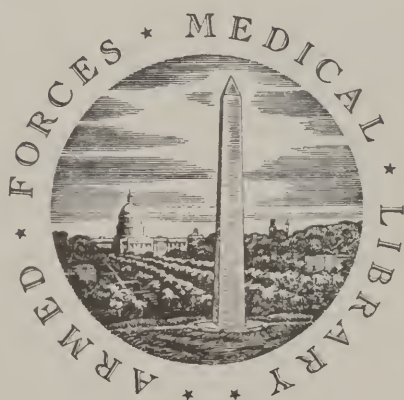


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INDEX-CATALOGUE
OF THE
LIBRARY OF THE
SURGEON GENERAL'S OFFICE
UNITED STATES ARMY
(ARMY MEDICAL LIBRARY)

AUTHORS AND SUBJECTS

FOURTH SERIES
VOL. VIII
IACAPRARO—JZIKOWITZ



UNITED STATES
GOVERNMENT PRINTING OFFICE
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LETTER OF TRANSMITTAL

WAR DEPARTMENT,
ARMY MEDICAL LIBRARY,
June 30, 1943.

Major General NORMAN T. KIRK,
The Surgeon General, United States Army.

GENERAL:

I have the honor to report the completion of the Eighth Volume of the Fourth Series of the Index-Catalogue of the Library of The Surgeon General's Office, the fifty-fifth volume of the entire series. The volume contains references to medical subjects classified under headings from *Iberis* to *Justarestiform Body*, and the books of authors whose names begin with I or J.

In addition to the regular text of the Catalogue, this volume also contains a few pages in continuation of the list of abbreviations used in the references. Wartime demands upon the Library and upon the Government Printing Office made impracticable the printing and publication of the other supplements which were to have been issued with this volume. However, the preparation of the Sixteenth Century Bio-Bibliography of Medical Authors by Dr Claudius F. Mayer, and the collection of further data on international and national congresses have been continued and both projects are far enough advanced so that supplemental fasciculi of substantial size can be published as soon as normal conditions return.

The Eighth Volume consists of 757 pages. The following table shows the number of titles in the Index-Catalogue, as far as published:

	Author titles	Subject titles	
		Books	Journal articles
First Series (v.1-16, 1880-95, edited by Dr Robert Fletcher)	176, 364	168, 537	511, 112
Second Series (v.1-17, 1896-1912, edited by Dr Robert Fletcher; v.18-21, 1913-16, edited by Dr Fielding H. Garrison)	169, 812	136, 405	645, 557
Third Series (v.1-2, 1918-20, edited by Dr Fielding H. Garrison; v.3-10, p. 1-784, 1922-32, edited by Dr Albert Allemann; v.10 from p. 785 on, edited by Dr Claudius F. Mayer)	88, 876	57, 034	603, 600
Fourth Series (v.1, 1936 on, edited by Dr Claudius F. Mayer):			
Volume One (A) 1936	2, 779	4, 454	71, 168
Volume Two (B) 1937	8, 892	3, 631	79, 874
Volume Three (C) 1938	4, 281	4, 302	77, 479
Volume Four (D) 1939	3, 798	4, 375	55, 950
Volume Five (E, F) 1940	5, 499	5, 630	88, 048
Volume Six (G) 1941	5, 836	3, 125	58, 871
Volume Seven (H) 1942	6, 443	6, 542	60, 502
Volume Eight (I, J) 1943	2, 928	3, 616	51, 319
Total to date	475, 508	397, 651	2, 696, 515

The Library now contains 430,954 volumes and 628,753 pamphlets of all sorts, including letters, broadsides and medical theses. During the last fiscal year 10,532 works have been purchased or received as gifts. The Library has also acquired many rolls of microfilms of medical and other scientific serials published abroad; thus, the integrity of the Index-Catalogue is guaranteed despite the disturbed conditions of the book markets.

Among the old books and rarities recently purchased, the following deserve special mention: HENRICUS DE SAXONIA: *Albertus Magnus de secretis mulierum et virorum, cum commento* (Leipzig, 1500); HUISMAN, R.: *Nonnulla opuscula* (Basel, 1518); MORE, T.: *De optimo reipublicae statu* (Basel, 1518); BOUCHET: *Les triumphes de la noble at amoureuse Dame* (Paris, 1536). The Library also increased its material in medical illustrations and portraits by the purchase of the Hunt Collection, consisting of more than 1,400 pieces. The illustrative material is catalogued and classified, and is becoming a part of the references published in the Index-Catalogue. In addition, the Library received a number of gifts including many engravings of portraits not in its Collection.

The Index-Catalogue is now distributed free to about 800 domestic and foreign scientific institutions, including the depository libraries of the United States Government. Unfortunately, 65 copies of Volume Six (G) shipped to the British Isles were lost by enemy action. To serve as temporary replacements of the original current volumes of the Index-Catalogue, microfilm copies have been made and shipped to foreign libraries where requested.

Very respectfully,

HAROLD W. JONES,
Colonel, Medical Corps, United States Army,
The Librarian, Army Medical Library.

SIXTH ADDITION TO THE LIST OF ABBREVIATIONS FOR SERIAL PUBLICATIONS

Published in the Second Volume, Fourth Series, of the Index-Catalogue

For explanations, see List of Abbreviations, 4. ser., v.2

- | | |
|---|---|
| <p>Accad. med., Genova</p> <p>Acción méd., La Paz</p> <p>Acta physicochim. URSS</p> <p>Actas Congr. panamer. endocr.</p> <p>Acta Univ. voroneg.</p> <p>Advance. Int. M., N. Y.</p> <p>Advance. Sc., Lond.</p> <p>A L A Bull.</p> <p>Am. Imago</p> <p>Am. M. Compend</p> <p>An. Ateneo pat. clín. méd. Hosp. Alvear, B. Air.</p> <p>An. brasil. gin.</p> <p>An. Cáted. pat. clín. tuberc., B. Air.</p> <p>An. Inst. neur., Montev.</p> <p>An. Inst. psicol., B. Air.</p> <p>Ann. mal. org. génitourin., Par.</p> <p>Annual Meet. Centr. Soc. Clin. Res.</p> <p>Annual Rep. Dep. Health Scotland</p> <p>An. Sala VIII Policlín. enf. infec., B. Air.</p> <p>Anuario cienc. méd., Madr.</p> <p>Appl. Anthropol.</p> <p>Arch. Biochem., N. Y.</p> <p>Arch. brasil. hyg. ment.</p> <p>Arch. gén. méd., Par.</p> <p>Arch. Hosp. israel., B. Air.</p> <p>Arch. Hosp. Rosales, S. Salvador</p> <p>Arch. Sanat. quir. Figueroa, Mérida</p> <p>Arch. Soc. biol. Montevideo</p> <p>Army Ordnance</p> <p>Arq. hig., Rio</p> <p>Arq. Inst. biol., S. Paulo</p> | <ol style="list-style-type: none"> 1. Accademia medica; organo ufficiale della Reale Accademia medica di Genova. Genova, v.53, No. 4, 1938- 2. Acción médica; organo oficial del Círculo médico. La Paz, Año 1, No. 1, 1942- 3. Acta physicochimica U.R.S.S. Moskva, v.1, No. 1, 1934- 4. Actas; Congreso panamericano de endocrinología. Montev., 1941. 5. Acta; Gosudarstvenny Universitet, Medicinskii Fakultet. Voronezh, v.4, 1927- 6. Advances in internal medicine. N. Y., v.1, 1942- 7. Advancement (The) of science; the report of the British Association for the Advancement of Science. London, No. 1, 1939- 8. A L A bulletin; pub. by the American Library Association. Chic., v.37, 1943- 9. American (The) imago; a psychoanalytic journal for the arts and sciences. Bost., 1942- 10. American medical compend. Toledo, v.11, 1895- 11. Anales; Ateneo de patología y clínica médica; Hospital T. de Alvear. B. Air., v.1, 1935- 12. Anais brasileiros de ginecologia; Sociedade brasileira de ginecologia. Rio, Año 7, v.14, No. 4, 1942. 13. Anales; Cátedra de patología y clínica de la tuberculosis; Universidad. B. Air., v.1, No. 1, 1939- 14. Anales; Instituto de neurología. Montev., v.2, 1939- 15. Anales; Instituto de psicología. Facultad de filosofía y letras de la Universidad de Buenos Aires. B. Air., v.1, 1935- 16. Annales des maladies des organes génito-urinaires. Par., v.1, 1882- 17. Annual meeting; Central Society for Clinical Research. Chic., 1936- 18. Annual report; Department of Health; Scotland. Edinb., 1937- 19. Anales; Policlínica de enfermedades infecciosas; Sala VIII. B. Air., No. 3, 1941- 20. Anuario de ciencias médicas. Madr., 2. ser., v.7, 1911- 21. Applied anthropology; published by the Society for Applied Anthropology. Bost., v.1, 1941- 22. Archives of biochemistry. N. Y., v.1, No. 1, 1942- 23. Archivos brasileiros de hygiene mental; órgão oficial da Liga brasileira de hygiene mental. Rio, v.2, No. 3, 1929- 24. Archives générales de médecine. Par., v.1, 1823. 25. Archivos del Hospital israelita Ezrah; Asociación médica. B. Air., No. 1, 1937- 26. Archivos del Hospital Rosales. San Salvador, v.3, No. 12, 1908- 27. Archivos; Sanatorio quirúrgico del Doctor Figueroa. Mérida, v.1, No. 1, 1926- 28. Archivos de la Sociedad de biología de Montevideo. Montev., v.1, No. 1, 1929- 29. Army ordnance; the journal of The Army Ordnance Association. Wash., v.24, No. 137, 1943- 30. Arquivos de higiene; Ministério da educação e saúde; Departamento nacional de saúde. Rio, v.11, No. 1, 1941- 31. Arquivos; Instituto biologico. S. Paulo, 1940- |
|---|---|

Atti Conv. lombard. igiene rurale
Australas. M. Gaz.

Ausz. Diss. Jurist. Fak., Giessen

Badger Pharmacist

Battle Creek Idea

Ber. Deut. chem. Ges.

Ber. Versamml. Internat. Fed. Eugen.
Org.

Bienn. Rep. Kansas Crippled Child.
Com.

Biodynamics

Bodleian Libr. Rec.

Bol. Acad. nac. farm., Rio

Bol. Centro antirreum. Fac. cienc.
méd., B. Air.

Bol. clín., Medellín

Bol. epidem. Dir. serv. saúde Angola

Bol. Inst. internac. amer. protec. inf.,
Montev.

Bol. Inst. investig. vet., Caracas

Bol. Lab. estud. méd., Méx.

Bol. museos, Guatemala

Bol. san., Luanda

Bol. Secr. san. benef., Trujillo

Bol. Soc. cir. Rosario

Bol. técn. Dir. gen. san., Madr.

Borden's Rev. Nutr. Res.

Britain, N. Y.

Bull. Adelphi Hosp., Brooklyn

Bull. Am. Heart Ass.

Bull. Bronx Co. M. Soc.

Bull. Chicago Ass. Heart Dis.

Bull. Chicago Heart Ass.

Bull. Creighton Univ. School M.

Bull. Czech. M. Ass. Gr. Britain

Bull. Linn Co. M. Soc.

Bull. M. Soc. Co. Erie

Bull. New York Pub. Libr.

Bull. Omaha Douglas Co. M. Soc.

Bull. Onondaga Co. M. Soc.

32. Atti; Convegno lombardo di igiene rurale. 1933-

33. Australasian medical gazette; the journal of the
Australasian branches of the British Medical Associa-
tion. Sydney, v.1, 1881.

34. Auszüge aus den Dissertationen; Juristische Fakultät;
Universität. Giessen, v.4, 1924-

35. Badger (The) pharmacist; pub. Wisconsin Chapter of
Rho Chi. Madison, No. 22-5, 1938-

36. Battle Creek (The) idea. Battle Creek, v.5, No. 17,
1912-

37. Berichte; Deutsche chemische Gesellschaft. Berl.,
v.71, No. 1, 1938-

38. Bericht; Versammlung der Internationalen Federation
eugenischer Organisationen.

39. Biennial report; Kansas State Crippled Children's
Temporary Commission. Topeka, 1933-

40. Bio-dynamics; published by the Bio-Dynamic Farming
and Gardening Association. Phoenixville, Pa., v.2, No.
1, 1942-

41. Bodleian (The) Library record. Lond., v.1, 1940-

42. Boletim; Academia nacional de farmácia. Rio, v.4,
1942-

43. Boletín; Centro antirreumático; Facultad de ciencias
médicas. B. Air., v.1, No. 3, 1937-

44. Boletín clínico; organo de la Facultad de medicina y
ciencias naturales de la Universidad de Antioquia.
Medellín, v.4, No. 3, 1937-

45. Boletim epidemiológico; Direção dos serviços de
saude e higiene. Luanda, 1941-

46. Boletín; Instituto internacional Americano de pro-
tección a la Infancia. Montev., v.16, No. 2, 1942-

47. Boletín; Instituto de investigaciones veterinarias.
Caracas, v.1, No. 2, 1942-

48. Boletín; Laboratorio de estudios médicos y biológicos.
México, D. F., 1942-

49. Boletín de museos y bibliotecas; publicaciones de la
Secretaría de educación pública. Guatemala, 1941-

50. Boletim sanitário; Direção dos serviços de saúde e
higiene, Angola. Luanda, v.3 (1940) 1941-

51. Boletín de la Secretaría de estado de sanidad y bene-
ficiencia. Ciudad Trujillo, v.1, No. 4, 1941-

52. Boletines; Sociedad de Cirugía de Rosario. Rosario,
v.9, No. 5, 1942-

53. Boletín técnico; Dirección general de sanidad.
Madr., v.3, No. 12, 1928-

54. Borden's review of nutrition research; summaries and
reviews of research information concerning the nutritive
values of milk and milk products. N. Y., v.4, No. 1,
1943-

55. Britain; pub. by the British Information Services.
N. Y., v.1, No. 1, 1942-

56. Bulletin; Adelphi Hospital. Brooklyn, v.1, No. 1,
1942-

57. Bulletin; American Heart Association. N. Y., v.15,
No. 1, 1940-

58. Bulletin; Bronx County Medical Society. N. Y.,
v.20, No. 6, 1942-

59. Bulletin; Chicago (The) Association for the Prevention
and Relief of Heart Disease. Chic., v.1, No. 10, 1924-

60. Bulletin; Chicago Heart Association. Chic., v.19,
No. 1-6, 1941-

61. Bulletin; Creighton University; School of Medicine.
Omaha, v.2, No. 3, 1942-

62. Bulletin; Czechoslovak Medical Association in Great
Britain. Lond., No. 5, 1943-

63. Bulletin; Linn County Medical Society [Cedar
Rapids] v.8, No. 1, 1939-

64. Bulletin; Medical Society; County of Erie and Buffalo
Academy of Medicine. Buffalo, v.7, 1930-

65. Bulletin; New York Public Library. N. Y., v.47, No.
3, 1943-

66. Bulletin; Omaha-Douglas County Medical Society.
Omaha, v.15, 1942-

67. Bulletin; Onondaga County Medical Society, Syra-
cuse, N. Y. Syracuse, v.1, No. 4, 1936-

- Bull. Orange Co. M. Ass.
- Bull. Polk Co. M. Soc.
- Bull. San Bernardino Co. M. Soc.
- Bull. San Diego Co. M. Soc.
- Bull. San Francisco Co. M. Soc.
- Bull. Sangamon Co. M. Soc.
- Bull. Spokane Co. M. Soc.
- Bull. Tulane M. Fac.
- Bull. Wayne Co. M. Soc.
- Case Rep. Child. Mem. Hosp., Chic.
- Centre méd. pharm., Gannat
- Cervantes, Habana
- Charité Ann.
- Chem. Rev., Balt.
- Chirurgie, Lausanne
- Circ. Letter Off. Surg. Gen. War Dep.
- Circ. M. Ser. U. S. Off. Civ. Defense
- Clarifier, Pierre
- Clin. Conf. Rep. Wills Hosp., Phila.
- Clinics
- Clin. mod., Pisa
- Clin. Proc., Cape Town
- Clin. Virginia Mason Hosp., Seattle
- Collect. Lect. Metrop. State Hosp., Waltham
- Collect. Papers Osaka Imp. Univ.
- College & Res. Libr.
- Congr. argent. oft.
- Courage, N. Y.
- C. rend. Acad. sc. URSS
- C. rend. Congr. internat. lymph.
- C. rend. Congr. internat. radiotellur.
- C. rend. Féd. dent. internat.
- Crippled Child Bull.
- Cuadern. Fac. med. Univ. Antioquia
- Current Mort. Anal.
68. Bulletin; Orange County Medical Association. Santa Ana, v.14, No. 5, 1943-
69. Bulletin; Polk County Medical Society [Des Moines] v.11, No. 8, 1940-
70. Bulletin; San Bernardino County Medical Society. San Bernardino, v.9, No. 7, 1943-
71. Bulletin; San Diego County Medical Society. v.34, No. 6, 1943-
72. Bulletin; San Francisco County Medical Society. San Francisco, v.1, No. 1, 1928-
73. Bulletin; Sangamon County Medical Society. Springfield, v.6, No. 6, 1941-
74. Bulletin; Spokane County Medical Society. Spokane, v.9, No. 8, 1937-
75. Bulletin; Tulane University of Louisiana; Medical School; Faculty. N. Orl., v.1, No. 2, 1942-
76. Bulletin; Wayne County Medical Society. Chic., v.24, No. 17, 1932-
77. Case reports; Children's Memorial Hospital. Chic., v.1, No. 12, 1942-
78. Centre (Le) médical et pharmaceutique; organe officiel de la Société des sciences médicales de Gannat. Gannat, v.8, 1902-
79. Cervantes; revista mensual ilustrada. Habana, v.11, 1936-
80. Charité-Annalen; herausgegeben von der Direction des königlichen Charité-Krankenhauses zu Berlin. Berl., v.1, 1874-
81. Chemical reviews; owned and controlled by the American Chemical Society. Balt., v.1, No. 1, 1924-
82. Chirurgie; revue internationale de chirurgie et de neurochirurgie. Lausanne, n. ser., v.4, No. 2, 1942-
83. Circular letter; Office of the Surgeon General; War Department. Wash., 1943-
84. Circular, medical series; United States; Office of Civilian Defense. Wash., No. 19, 1942-
85. Clarifier (The). Pierre, S. D., v.5, No. 1 & 2, 1940-
86. Clinical conference reports; Wills Hospital. Phila., v.2, No. 1, 1940-
87. Clinics. Phila., v.1, No. 2, 1942-
88. Clinica (La) moderna. Pisa, v.1, 1895-
89. Clinical Proceedings; journal of the Cape Town Post-Graduate Medical Association. Cape Town, v.1, No. 5, 1942-
90. Clinics of the Virginia Mason Hospital. Seattle, v.15, No. 2, 1936-
91. Collected lectures of the seminars in neurology and psychiatry; Metropolitan State Hospital. Waltham, 1941-
92. Collected papers from the Faculty of Medicine, Osaka Imperial University. Osaka (1938) 1939-
93. College and research libraries; pub. by the Association of College and Reference Libraries. Menasha, v.1, No. 1, 1939-
94. Congreso argentino de oftalmología [Actas] B. Air., 1937-38.
95. Courage; pub. by National Foundation for Infantile Paralysis. N. Y., v.4, No. 1, 1943-
96. Comptes rendus; Académie des sciences de l'URSS. Moskva, n. ser., v.31, No. 9, 1941-
97. Comptes-rendus et communications; Congrès international du lymphatisme. Par. [1934]-
98. Compte-rendu; Congrès international de radiotelluristes et sourciers. Par., 1932-
99. Comptes rendus; Fédération dentaire internationale. Par., 1903-
100. Crippled (The) child bulletin; pub. by The National Society for Crippled Children of the United States of America. Elyria, v.5, No. 5, 1943-
101. Cuadernos de la facultad; Facultad de medicina y ciencias naturales; ediciones de la Revista C Y M. Medellín, v.11, No. 10, 1942-
102. Current mortality analysis; pub. by Bureau of the Census. Wash., v.1, No. 1, 1943-

C Y M, Medellín

Cyprus Pub. Health

Dauphin M. Acad.

Davis Nurs. Survey

Dent. Health, Wash.

Dent. Outlook, N. Y.

Deut. Arch. klin. Med.

Diet. & Hyg. Gaz., N. Y.

Doctor, Santiago (Chile)

Doctor & Law

Doctor & Od Q., S. Louis

Domest. Engin.

Druggist Circ., N. Y.

Drug Topics, N. Y.

Dutchess Co. Caduceus

Ejército, Madr.

ENE, Caracas

Engin. News Rec.

Estadíst. chilena

Exp. M. & S.

Eye Health & Safety News

Family Physician, Los Ang.

Fed. Proc., Balt.

Field M. Bull. U. S. Army, N. Delhi

First Aid J.

Fol. clin. biol., S. Paulo

Fol. urol., Lpz.

Food Materials, N. Y.

Foundation Facts, Pittsb.

Gac. hosp., Ponce

Gastroenterology

Gillette Clin. Q., Toledo

Glasnik, Beogr.

Harrogate Spa M. J.

Heilkunde, Wien

103. C Y M; revista de ciencia y medicina; Facultad de medicina, Universidad de Antioquia. Medellín, v.11, No. 17, 1942-
104. Cyprus public health; organ of the Cyprus Anti-Tuberculosis League. Nicosia, No. 16, 1937-
105. Dauphin (The) medical academician; official journal of the Dauphin County Medical Society. Harrisburg, v.26, No. 4, 1937-
106. Davis' nursing survey; a publication devoted to the educational problems of the nursing profession. Phila., v.4, No. 3, 1940-
107. Dental health; journal of the National Dental Hygiene Association. Wash., v.1, 1942-
108. Dental (The) outlook; official journal of the Allied Dental Council of Greater New York. N. Y., v.6, No. 1, 1919-
109. Deutsches Archiv für klinische Medizin. Lpz., v.1, 1865-
110. Dietetic and hygienic gazette; a monthly journal of physiological medicine. N. Y., v.22, 1906-
111. El doctor; veterinaria, ganaderia y avicultura. Santiago de Chile, v.1, No. 1, 1938-
112. Doctor (The) and the Law. Wheaton, Ill., v.5, No. 4, [1938]-
113. Doctor (The) and Od quarterly; pub. by Od Peacock Sultan Co. S. Louis, v.46, No. 4, 1936-
114. Domestic engineering. Chic., v.159, No. 2, 1942-
115. Druggists (The) circular; a practical journal of pharmacy and general business organ for druggists. N. Y., v.67, No. 2, 1923-
116. Drug topics. N. Y., v.28, No. 1, 1913-
117. Dutchess (The) County caduceus; official organ of the Dutchess County Medical Society. Poughkeepsie, v.8, No. 7, 1942-
118. Ejército; revista ilustrada de las Armas y Servicios, Ministerio del Ejército. Madr., No. 23, 1941-
119. ENE; órgano de la Escuela nacional de enfermeras. Caracas, v.1, No. 7, 1942-
120. Engineering news-record. Albany, N. Y., v.126, No. 25, 1941-
121. Estadística chilena. Santiago de Chile, 1942-
122. Experimental medicine and surgery; a quarterly devoted to experimental investigations of clinical problems. Brooklyn, v.1, No. 1, 1943-
123. Eye health and safety news; pub. by National Society for the Prevention of Blindness. N. Y., v.1, No. 1, 1943-
124. Family (The) physician. Los Ang., v.5, No. 10, 1943-
125. Federation proceedings; published quarterly by the Federation of American Societies for Experimental Biology. Balt., v.1, No. 1, 1942-
126. Field medical bulletin; pub. by United States Army Forces in China, Burma, India. New Delhi, 1942-
127. First aid journal. N. Y., v.1, No. 1, 1941-
128. Folia clinica et biologica. S. Paulo, v.12, No. 6, 1940-
129. Folia urologica; internationales Archiv für die Krankheiten der Harnorgane. Lpz., v.1, 1907-
130. Food materials and equipment. N. Y., 1942-
131. Foundation facts; pub. by Industrial Hygiene Foundation. Pittsb., v.3, No. 12, 1941-
132. Gaceta del hospital; revista de medicina y cirugía. Ponce, v.3, 1939-
133. Gastroenterology; pub. by American Gastroenterological Association. Balt., v.1, No. 1, 1943-
134. Gillette Clinic quarterly; a bulletin published by the staff of the Gillette Clinic. Toledo, v.1, No. 3, 1943-
135. Glasnik. Beograd, 1919-
136. Harrogate (The) Spa medical journal; devoted to spa research and treatment. Harrogate, v.2, No. 1, 1939-
137. Heilkunde (Die); Monatsschrift für praktische Medizin. Wien, v.2, 1897-

- Hosp. Bull. Univ. Maryland
Hosp. Counc. Bull.
Hormone, Glendale
Indust. Hyg. Digest
Inform. Inst. técn. sal. rural, Habana
Internat. J. Sex Econom.
Internat. Zschr. Psychoanal., Lond.
Interne, N. Y.
Jackson Clin. Bull., Madison
J. Agr. Univ. Puerto Rico
J. Am. Water Works Ass.
J. Animal Sc.
J. Ass. M. Students, N. Y.
J. Bowman Gray School M.
J. District of Columbia Dent. Soc.
J. Electron. M.
J. farm., Lisb.
J. Minnesota M. Ass.
J. Nat. Malaria Soc.
J. Oral Surg.
J. Parapsychol.
J. Sc. Labour, Kurasiki
J. Tennessee Acad. Sc.
J. Tennessee Dent. Ass.
Jubil. Vol. Anthropol. Soc. Bombay
J. Urusvati Himalay. Res. Inst., Calc.
Lab. Clin. Stud. Mem. Hosp. Cancer, N. Y.
Libro de actas Congr. internac. prensa méd.
Libr. Q., Chic.
Machletter, Springdale
McNeilogram, Phila.
Maine Health Welf. Bull.
Maryland M. J.
Massachusetts M. J.
138. Hospital (The) bulletin; pub. monthly by the University of Maryland. Balt., v.3, No. 1, 1907-
139. Hospital Council bulletin; pub. by Chicago Hospital Council. Chic., v.5, No. 9, 1942-
140. Hormone (The); pub. by the Harrower Laboratory. Glendale, Cal., v.19, No. 1, 1943-
141. Industrial hygiene digest; pub. by Industrial Hygiene Foundation. Pittsb., v.7, No. 1, 1943-
142. Informes; Instituto técnico de salubridad rural. La Habana, 1940-
143. International journal of sex-economy and orgone-research; official organ of the International Institute for Sex-Economy and Orgone-Research. N. Y., v.1, No. 1, 1942-
144. Internationale Zeitschrift für Psychoanalyse und Imago. Lond., v.25, 1940-
145. Interne; journal of the Association of Internes and Medical Students. N. Y., v.6, No. 2, 1940-
146. Jackson Clinic bulletin. Madison, v.3, No. 1, 1941-
147. Journal of agriculture; Puerto Rico University. P. Rico, v.24, No. 1, 1940-
148. Journal; American Water Works Association. Balt., v.33, No. 1, 1941-
149. Journal of animal science. Menasha, Wis., v.2, No. 1, 1943-
150. Journal; Association of Medical Students. N. Y., v.3, No. 6, 1939-
151. Journal; Bowman Gray School of Medicine. Wake Forest, v.1, No. 2, 1943-
152. Journal of the District of Columbia Dental Society. Wash., v.15, No. 3, 1941-
153. Journal of electronic medicine. S. Franc., v.27, No. 1, 1943-
154. Jornal dos farmacêuticos; órgão do Sindicato nacional dos farmacêuticos. Lisb., ser. 2, v.1, Nos. 1-2, 1940-
155. Journal (The) of the Minnesota State Medical Association and The Northwestern Lancet. Minneap., 1906.
156. Journal (The) of the National Malaria Society. Tallahassee, Fla., v.1, 1942-
157. Journal of oral surgery; pub. by American Dental Association. Chic., v.1, No. 1, 1943-
158. Journal (The) of parapsychology; a scientific quarterly dealing with extra-sensory perception and related topics. Durham, v.7, No. 1, 1943-
159. Journal of science of labour; biological studies on social and industrial problems. Kurasiki, v.5, No. 2, 1928-
Formerly: Studo (La) por la ciencia de laboro.
160. Journal; Tennessee Academy of Science. Nashville, 1930-
161. Journal; Tennessee State Dental Association. Memphis, v.23, No. 2, 1943-
162. Jubilee volume; Anthropological Society of Bombay. Bombay, 1938.
163. Journal; Urusvati Himalayan Research Institute. Naggar, Punjab, v.2, 1932-
164. Laboratory and clinical studies from the Memorial Hospital for the Treatment of Cancer and Allied Diseases. N. Y., v.22, 1941-
165. Libro de actas; Congreso internacional de la prensa médica.
166. The library quarterly; a journal of investigation and discussion in the field of library science. Chic., v.13, No. 1, 1943-
167. Machletter (The) pub. by Machlett Laboratories. Springdale, Conn., v.2, No. 1, 1941-
168. McNeil-O-Gram; abstracts of therapeutic articles in current medical and pharmaceutical literature; pub. by McNeil Laboratories. Phila., v.17, No. 1, 1943-
169. Maine health and welfare bulletin; pub. by Maine State Department of Health and Welfare. Bath, Me., v.1, No. 1-2, 1939
170. Maryland medical journal. Balt., v.1, 1877-
171. Massachusetts medical journal. Bost., v.26, No. 1, 1906-

- Mber. Urol.
 Mead's M. Sports Rev.
 Med. biul., Irkutsk
 Med. Bull. Brownsville East N. York Hosp.
 Med. Bull. Univ. Iowa
 Med. Div. Mem. U. S. Off. Civ. Defense
 Med. Electr. Radiol.
 Med. Fortnightly, S. Louis
 Médica, Matanzas
 Med. J. Abstr.
 Med. mod., Valparaíso
 Med. News, N. Y.
 Med. Pocket Q.
 Med. Sketches, N. Y.
 Med. Soldier
 Med. Today, Richmond
 Med. Woche
 Mem. Congr. farm. Centr. América
 Mens. Buen samarit., Guanajuato
 Ment. Health Sentinel, Bost.
 Ment. Hyg. News, Alb.
 Mhefte prakt. Derm.
 Mil. Engineer
 Milwaukee M. Times
 Mitt. Ges. inn. Med. Wien
 Mod. Dent., Brooklyn
 Mod. Pharm., Detr.
 Month. Bull. Emerg. Pub. Health Lab. Serv., Lond.
 Month. Bull. Maryland Dep. Health
 Month. Cycl. & M. Bull., Phila.
 Month. J. Foreign Med.
 Nassau M. News
 Nat. Found. News, N. Y.
 New Mexico Anthropologist
 News Letter Am. Ass. Psychiat. Social Work.
 News Letter Kansas Bd Health
 Newsletter Massachusetts Dep. Pub. Health
 172. Monatsberichte für Urologie. Berl., v.6, 1901-
 173. Mead's medical sports review; pub. by Mead Johnson & Co. Evansville, Ind., v.1, No. 1, 1936-
 174. Medicinskii biulleten; organ Irkutskovo medicinskovo instituta. Irkutsk, No. 1, 1939-
 175. Medical bulletin; Brownsville and East New York Hospital. Brooklyn, N. Y., v.1, No. 1, 1931-
 176. Medical bulletin; University of Iowa. Iowa City, n. ser., No. 1068, 1939-
 177. Medical division memorandum; United States. Office of Civilian Defense. Wash., 1941-
 178. Medical electrology and radiology; with which is incorporated The journal of physical therapeutics. Lond., v.4, 1903-
 179. Medical (The) fortnightly. S. Louis, v.27, No. 1, 1905-
 180. Médica; órgano oficial de la Sociedad de medicina y cirugía de Matanzas. Matanzas, Cuba, v.1, No. 5, 1942-
 181. Medical journal abstracts. N. Y., v.1, No. 1, 1942-
 182. Medicina moderna; revista mensual de medicina. Valparaíso, v.11, No. 10, 1938-
 183. Medical (The) news; a weekly journal of medical science. N. Y., v.78, No. 1, 1901-
 184. Medical pocket quarterly. Jersey City, N. J., v.23, No. 3, 1942-
 185. Medical sketches; pub. by Lobica Incorporated. N. Y., v.2, No. 3 [after 1938]-
 186. Medical (The) soldier. Carlisle Barracks, Pa., 1942-
 187. Medicine today and tomorrow. Richmond, Engl., v.3, No. 5, 1942-
 188. Medicinische (Die) Woche. Berl., v.1, 1900-
 189. Memoria; Congreso farmacéutico de Centro-América y Panamá. Guatemala, 1937.
 190. Mensajero de Buen samaritano; periódico popular. Guanajuato, Méx., No. 1, 1908-
 191. Mental health sentinel; pub. by The Massachusetts Society for Mental Hygiene. Bost., v.1, No. 1, 1940-
 192. Mental hygiene news; pub. by New York State Department of Mental Hygiene. Albany, N. Y., v.1, No. 1, 1930/31-
 193. Monatshefte für praktische Dermatologie. Hamburg, v.7, 1888-
 194. Military (The) engineer; journal of the Society of American Military Engineers. Wash., D. C., v.33, No. 189, 1941-
 195. Milwaukee (The) medical times. Milwaukee, v.13, No. 2, 1940-
 196. Mitteilungen der Gesellschaft für innere Medizin und Kinderheilkunde in Wien. Wien, v.1, 1902-
 197. Modern dentistry. Brooklyn, v.10, No. 1, 1943-
 198. Modern Pharmacy; pub. by Parke, Davis & Co. Detroit, v.26, No. 2, 1942-
 199. Monthly bulletin; Emergency Public Health Laboratory Service. Lond., 1942-
 200. Monthly bulletin; Maryland State Department of Health. Balt., v.15, No. 2, 1943-
 201. Monthly cyclopaedia and medical bulletin. Phila., v.1, 1908-
 202. Monthly (The) journal of foreign medicine. Phila., v.1, 1928-
 203. Nassau medical news; pub. by the Nassau County Medical Society, Public Relations Committee. Mineola, N. Y., v.13, No. 11, 1939-
 204. National foundation news; pub. by National Foundation for Infantile Paralysis. N. Y., v.1, No. 2, 1942-
 205. New Mexico anthropologist; a quarterly published by Department of Anthropology, University of New Mexico. Albuquerque, N. M., v.5, No. 1, 1941-
 206. News letter of the American Association of Psychiatric Social Workers. N. Y., v.12, No. 2, 1942-
 207. News letter; Kansas State Board of Health [Topeka?] v.10, No. 1, 1942-
 208. Newsletter to boards of health; Massachusetts Department of Public Health. Bost., v.3, No. 2, 1938-

- News Massachusetts Gen. Hosp., Bost.
 News Nat. Inst. Indust. Psychol., Lond.
 North End Clin. Q., Detr.
 North Iowa M. News
 Northwest. Lancet
 Notic. Inst. internac. amer. protec. inf., Montev.
 Notulae naturae, Phila.
 Nuova riv. clin. ter.
 Nuovo racc. med.
 Nu Sigma Nu Bull.
 Nutrit. Obs., Pittsb.
 Nutrit. Rev.
 Obst. Gyn. Rep. Sloane Hosp. Women, N. Y.
 Occup. Hazards
 Occup. Psychol., Lond.
 Old Dominion J. M. & S.
 Operat. Letter U. S. Off. Civ. Defense
 Opthalmos, Belo Horizonte
 Opth. iber. amer., B. Air.
 Optic. Index
 Oregon Health Bull.
 Pennsylvania Hosp. Bull.
 Ph, Montev.
 Pilot, Evanston
 Policia secr. nac., Habana
 Popul. Index, Princet.
 Praci Ukrain. inst. klin. med.
 Prelim. Rep. World Congr. Univ. Docum.
 Press Bull. Maryland Dep. Health
 Press Bull. N. Dakota State Dep. Health
 Proc. Am. Soc. Clin. Path.
 Proc. Annual Conf. Milbank Mem. Fund
 Proc. Annual Meet. Indust. Hyg. Found. America
 Proc. Ass. Am. Univ.
 Proc. Balyeat Clin., Oklahoma
 Proc. Centr. Soc. Clin. Res.
 Proc. Med. Surg. Sect. Am. Railw. Ass.
 Proc. Pacific Sc. Congr.
 209. News (The) Massachusetts General Hospital. Bost., 1942-
 210. News; pub. monthly by the National Institute of Industrial Psychology. Lond., 1943-
 211. North End Clinic quarterly. Detroit, v.2, No. 4, 1941-
 212. North (The) Iowa medical news; pub. by The Cerro Gordo County Medical Society. Mason City, Ia., v.6, No. 8, 1940-
 213. Northwestern lancet. S. Paul, v.1, 1881-
 214. Noticiario; Instituto internacional Americano de protección á la infancia. Montev., No. 1, 1942-
 215. Notulae naturae of The Academy of Natural Sciences of Philadelphia. Phila., No. 95, 1942-
 216. Nuova rivista clinico-terapeutica. Nap., v.1, 1898-
 217. Nuovo raccoglitore medico. Imola, v.1, 1902-
 218. Nu Sigma Nu; Bulletin. [n. p.] v.30, 1941-
 219. Nutritional observatory; ed. by Heinz Nutritional Research Division in Mellon Institute. Pittsb., v.4, No. 1, 1943-
 220. Nutrition reviews; pub. monthly by The Nutrition Foundation. N. Y., v.1, No. 1, 1942-
 221. Obstetrical and gynecological reports; Sloane Hospital for Women. N. Y., v.1, 1913-
 222. Occupational hazards. Pittsb., v.5, No. 2, 1942-
 223. Occupational psychology; pub. by the National Institute of Industrial Psychology. Lond., v.17, No. 2, 1943-
 224. Old (The) dominion journal of medicine and surgery. Richmond, v.1, 1902-
 225. Operations letter; United States; Office of Civilian Defense. Wash., No. 101, 1942-
 226. Opthalmos; órgão da Sociedade de oftalmologia de Minas Gerais. Belo Horizonte, v.3, No. 1, 1942-
 227. Ophthalmología ibero-americana. B. Air., v.4, No. 2, 1942-
 228. Optical (The) index; a monthly publication devoted to the optical industry. Chic., v.15, No. 1, 1940-
 229. Oregon health bulletin; pub. by Oregon State Board of Health. Portland, v.21, No. 6, 1943-
 230. Pennsylvania Hospital; Bulletin. Phila., v.1, No. 1, 1943-
 231. Ph; revista de la Asociación de estudiantes de farmacia. Montev., v.3, No. 30, 1913-
 232. Pilot (The) pub. by the Evanston Hospital Association. Evanston, v.4, No. 1, 1939-
 233. Policia secreta nacional; organo oficial. La Habana, v.6, No. 4, 1940-
 234. Population index; continuing Population Literature; published quarterly by the School of Public Affairs, Princeton University, and the Population Association of America. Princeton, N. J., v.3, 1937-
 235. Praci; Ukrainsky institut klinichnoi medicini. Kiev, 1940-
 236. Preliminary reports; World congress of universal documentation. Par., 1937.
 237. Press bulletin; Maryland Department of Health. Balt., 1941-
 238. Press bulletin; North Dakota State Department of Health. Bismarck, 1942-
 239. Proceedings; American Society of Clinical Pathologists. Clevel., 1941-
 240. Proceedings of the annual conference; Milbank Memorial Fund. N. Y., No. 13, 1935-
 241. Proceedings of the annual meeting; Industrial Hygiene Foundation of America. Pittsb., No. 7, 1942-
 242. [Journal of] proceedings and addresses; Association of American Universities. Chic., 1932-
 243. Proceedings of the staff meetings; Balyeat Hay Fever and Asthma Clinic. Oklahoma City, v.1, No. 5, 1932-
 244. [Program of the] proceedings; Central Society for Clinical Research. Chic., 1942-
 245. Proceedings; American Railway Association; Medical and Surgical Section. N. Y., 1921-
 246. Proceedings; Pacific Science Congress.

- Proc. Postcolleg. Clin. Assemb. Coll. M. Ohio Univ.
- Proc. R. Med. Chir. Soc. London
- Proctology
- Providence M. J.
- Providence M. News
- Psychiat. Q. Suppl.
- Pub. Centro tisiol., B. Air.
- Pub. Safety
- Pub. Philadelphia Anthropol. Soc.
- Pub. Welf. News, Raleigh
- Pub. Works, N. Y.
- Punjab M. J.
- Q. Balyeat Clin., Oklahoma
- Q. Bull. Hackensack Hosp.
- Q. Bull. Indiana Univ. M. Center
- Q. Chicago M. School
- Q. Rev. Passavant Mem. Hosp., Chic.
- Radiología, B. Air.
- Rad. Ther., Seattle
- Ramazzini
- Rec. Columbia M. Soc. Richland Co.
- Rec. d. trav. sc. méd. Congo
- Rep. Internat. Dairy Congr.
- Rep. Kansas Crippled Child. Com.
- Res. gen. Congr. cient. panamer.
- Rev. As. méd. Cuenca
- Rev. Circ. odont. Córdoba
- Rev. Circ. odont. Rosario
- Rev. Clin. Marini, B. Air.
- Rev. colomb. pediat.
- Rev. españ. derm. sif.
- Rev. Hosp. Obrero, Caracas
- Rev. Inst. Adolfo Lutz, S. Paulo
- Rev. méd. Córdoba
247. Proceedings; Post-Collegiate Clinical Assembly; Ohio State University; College of Medicine. Columbus, 1940-
248. Proceedings; Royal Medical and Chirurgical Society of London. Lond., v.5, 1893-
249. Proctology and allied subjects; a summary of the world's work in colon and rectal disease. Chic., v.7, No. 1, 1942-
250. Providence medical journal; pub. by the Providence Medical Association. Providence, v.1, 1900-
251. Providence medical news; pub. by Providence Medical Association. Providence, v.2, No. 9, 1941-
252. Psychiatric quarterly supplement; pub. by New York (State) Department of Mental Hygiene. Utica, N. Y., v.1, No. 4, 1927-
253. Publicaciones; Centro de investigaciones tisiológicas. B. Air., v.3, 1941-
254. Public safety; pub. by National Safety Council. Chic., v.21, No. 1, 1942-
255. Publications; Philadelphia Anthropological Society. Phila., v.1, 1937-
256. Public welfare news; pub. by North Carolina State Board of Charities and Public Welfare. Raleigh, v.3, No. 4, 1941-
257. Public works; pub. monthly by Public Works Journal Corporation. N. Y., v.72, No. 12, 1941-
258. Punjab medical journal. Banga, v.4, No. 1, 1939-
259. Quarterly; Balyeat Hay Fever and Asthma Clinic. Oklahoma City, v.8, No. 1, 1939-
260. Quarterly bulletin; Hackensack Hospital. Hackensack, v.14, No. 1, 1941-
261. Quarterly bulletin; Indiana University; Medical Center. Indianap., v.3, No. 1, 1941-
262. Quarterly; Chicago Medical School. Chic., v.3, No. 3, 1943-
263. Quarterly review; Passavant Memorial Hospital. Chic., v.2, No. 3, 1940-
264. Radiología; organo oficial de la Sociedad Argentina de radiología y de difusión de la radiología sudamericana. B. Air., v.5, No. 2, 1942-
265. Radiation therapy; a supplement to the staff journal of the Swedish Hospital, Seattle, Washington, from the Tumor Institute. Seattle, Wash., No. 1, 1940-
266. Ramazzini; giornale italiano di medicina sociale. Firenze, v.1, 1907-
267. Recorder (The); Columbia Medical Society of Richland County, S. C. State Park, v.5, No. 7, 1941-
268. Recueil de travaux de sciences médicales au Congo Belge; pub. by Direction du service de l'hygiène. Léopoldville, No. 1, 1942-
269. Report; International Dairy Congress.
270. Report; Kansas State Crippled Children's Temporary Commission. Topeka, 1931-
271. Reseña general; Pan American scientific congress. Santiago, 1915.
272. Revista; Asociación médica de Cuenca. Cuenca, v.3, No. 7-9, 1942-
273. Revista del Círculo odontológico de Córdoba. Córdoba, v.6, No. 77-78, 1942-
274. Revista; Círculo odontológico. Rosario, Argent., v.13, No. 2, 1941-
275. Revista Clínica Marini; Instituto de clínica médica, quirúrgica y especialidades. B. Air., v.7, 1941-
276. Revista colombiana de pediatría y puericultura; pub. by Sociedad colombiana de pediatría. Bogotá, v.2, No. 2, 1942-
277. Revista española de dermatología y sifiliografía. Madr., v.1, 1899-
278. Revista; Hospital Obrero. Caracas, v.2, No. 8-9, 1940-
279. Revista; Instituto Adolfo Lutz. S. Paulo, v.1, No. 2, 1941-
280. Revista médica de Córdoba; organo oficial del Círculo médico y sus filiales. Córdoba, v.30, No. 12, 1942-

- Rev. méd. Costa Rica
- Rev. med. fluminense
- Rev. med. forense, Habana
- Rev. méd. Hosp. españ., B. Air.
- Rev. méd. Hosp. ital., B. Air.
- Rev. méd. quir. Oriente, Santiago
- Rev. méd. Sevilla
- Rev. mex. pediatri.
- Rev. M. Progr. Postcolleg. Clin. Assemb. Coll. M. Ohio Univ.
- Rev. neur. psiquiat., Lima
- Rev. paul. med.
- Rev. prat. mal. org. génitourin., Lille
- Rev. san. mil., Caracas
- Rev. sc. méd. Afrique fr., Brazzaville
- Rev. Soc. argent. proct.
- Rev. syniatr., Rio
- Rev. urol., Caracas
- Richmond J. Pract.
- Rorschach Res. Exch.
- Russk. vrach
- San. & benef. mun., Habana
- Sborn. nauch. trud. Bashkir. gosud. med. inst.
- Science Bull.
- Scope, Kalamazoo
- Select. Papers R. Cancer Hosp., Lond.
- S. E. M., Caracas
- Sem. gyn., Par.
- Sewage Works Engin.
- Sewage Works J.
- Sezd ross. khir.
- S. Joseph Valley M. News
- Soc. med. pregl., Beograd
- South Afr. Digest War M.
- South. Slav Bull., Lond.
- Southwest Water Works J.
281. Revista médica de Costa Rica. S. José, v.5, 1942—
Formerly called Rev. méd., S. José.
282. Revista medica fluminense; publicada pela Academia Imperial de Medicina do Rio de Janeiro. Rio, v.4, No. 10, 1839—
283. Revista de medicina forense y criminalística. La Habana, Cuba, v.1, 1941—
284. Revista médica del Hospital Español; organo de la Sociedad médica del Hospital Español. B. Air., 1940—
285. Revista médica del Hospital Italiano. B. Air., v.2, 1941—
286. Revista médico-quirúrgica de Oriente; Colegio médico de Santiago de Cuba. Santiago de Cuba, v.3, No. 3, 1942—
287. Revista médica de Sevilla. Sevilla, v.1, 1882.
288. Revista mexicana de pediatria; pub. by Sociedad mexicana de pediatria. Méx., v.12, No. 7, 1942—
289. Review of medical progress; Post-Collegiate Clinical Assembly; Ohio State University. College of Medicine. Columbus, v.4, 1937—
290. Revista de neuro-psiquiatria. Lima, v.3, No. 3, 1940—
291. Revista paulista de medicina; Associação paulista de medicina. S. Paulo, v.17, No. 5, 1940—
292. Revue pratique des maladies des organes génito-urinaires. Lille, v.1, 1904.
293. Revista de la sanidad militar. Caracas, v.1, No. 1, 1942—
294. Revue des sciences médicales pharmaceutiques et vétérinaires de l'Afrique française libre. Brazzaville, Afr., v.1, 1942—
295. Revista; Sociedad Argentina de proctología. B. Air., v.1, No. 1, 1942—
296. Revista syniátrica; publicação de propaganda da organização Orlando Rangel. Rio, v.34, 1941—
297. Revista de urología; órgano de la Sociedad Venezolana de urología. Caracas, v.1, No. 1, 1941—
298. Richmond journal of practice; a monthly journal of medicine and surgery. Richmond, v.17, No. 10, 1903.
299. Rorschach research exchange; pub. by the Rorschach Institute, Inc. N. Y., v.1, 1936—
300. Russkii vrach. S. Petersburg, v.1, 1902.
301. Sanidad y beneficencia municipal. La Habana, v.1, No. 1, 1941—
302. Sbornik nauchnykh trudov; Bashkirsky gosudarstvenny medicinsky institut. Ufa, v.1, 1938—
303. Science bulletin; a quarterly devoted to the cause of freedom of publication in science. N. Y., v.1, No. 1, 1943—
304. Scope. Kalamazoo, Mich., 1942—
305. Selected papers from the Royal Cancer Hospital (Free) and the Chester Beatty Research Institute. Lond., v.1, 1939—
306. S. E. M.; órgano del Consejo de estudiantes de medicina de la F. E. V. Caracas, v.8, Nos. 85-86, 1942—
307. Semaine (La) gynécologique. Par., v.1, 1896.
308. Sewage works engineering and Municipal sanitation. N. Y., v.13, 1942—
309. Sewage works journal; official publication of the Federation of Sewage Works Association. Lancaster, Pa., v.14, No. 3, 1942—
310. Syezd rossiiskikh khirurgov. Moskva, No. 6, 1907.
311. S. Joseph Valley medical news; pub. by S. Joseph County Medical Society. South Bend, Ind., v.1, No. 2, 1940—
312. Socijalno-medicinski pregled; izveštaji i saopštenja o radu sanitetskih ustanova Kraljevine Jugoslavije. Beograd, v.2, No. 5, 1931—
313. South African digest of war medicine; published monthly by The National War Supplies Committee of the South African Red Cross Society. Johannesburg, v.2, No. 1, 1942—
314. Southern (The) Slav bulletin; published on behalf of the Yugoslav Committee. Lond., No. 36, 1918—
315. Southwest water works journal. Temple, Tex., v.24, 1942—

- S. Paul M. J.
Spec. Libr., Newark
- S. Petersb. med. Wschr.
- Stanford M. Bull.
- Stud. sc. laboro, Kurasiki
- Summary Proc. Am. Red Cross
- S. Vincent Hosp. Bull., Toledo
- Toulouse méd.
- Tr. Ass. Surgeons South. Railw. Syst.
- Tr. Azov. Kraev. nauch. inst. okhr. mater.
- Tr. Bibliogr. Soc., Lond.
- Tr. Gosud. inst. med. znani, Leningr.
- Tr. Gosud. rentg. inst., Leningr.
- Tribuna méd., Habana
- Tr. Inst. Bunge, Anvers
- Tr. Inst. Gannushkina, Moskva
- Tr. Inst. théér. Univ. libre Bruxelles
- Tr. Konf. probl. genez. star.
- Tr. Lab. Exp. Biol. Zoo Moscow
- Tr. Leningrad. med. inst.
- Tr. M. Ass. Southwest
- Tr. Physiol. Inst. Leningrad Univ.
- Tr. Sibirsk. vet. inst., Omsk
- Tr. Soc. Plast. Surg.
- Tr. Stalingrad. gosud. med. inst.
- Tr. Tomsky gosud. med. inst.
- Tr. Voronezh. med. inst.
- Tr. Vost. Sibir. med. inst.
- Tr. West. Liter. Inst., Cincin.
- Univ. Colorado Stud.
- Vermont M. Month.
- Versl. Tuberc. Com. Ned. centr. vereen. tuberc.
- Vest. endokr.
- Victor News, Chic.
- Visual Digest
316. Saint Paul medical journal. S. Paul, v.9, 1907.
317. Special libraries; official journal of the Special Libraries Association. Newark, v.34, No. 1, 1943-
318. S. Petersburger medicinische Wochenschrift. S. Petersb., v.6, 1889.
319. Stanford medical bulletin; published quarterly by the Stanford Medical Alumni Association. S. Franc., 1942-
320. La studo por la scienco de laboro; studoj medicinaj kaj psikologiaj pri la problemo sociala; Instituto por la scienco de laboro. Kurasiki, v.1, No. 1, 1924-
321. Summary of proceedings; American Red Cross; National Convention. Wash., 1941-
322. Bulletin; St Vincent's Hospital. Toledo, v.1, No. 2, 1942-
323. Toulouse médical; organe officiel de la Société anatomo-clinique de Toulouse. Toulouse, 1905.
324. Transactions; Association of Surgeons; Southern Railway System. Wash., D. C., 1942-
325. Trudy; Azovo-Chernomorsky Kracvy nauchno-issledovatel'sky institut okhrany materinstva i mladenchestva. Rostov on the Don, 1937-
326. Transactions; Bibliographical Society. Lond., v.1, 1893-
327. Trudy; Gosudarstvennyi institut medicinskih znani. Leningr., v.1, 1927-
328. Trudy; Gosudarstvennyi rentgenologicheskii, radiologicheskii i rakovyi institut. Leningr., 1936-
329. Tribuna (La) médica; órgano de la Federación médica de Cuba. La Habana, v.14, No. 262, 1941-
330. Transactions; Institute of Bunge. Anvers, v.2, No. 5, 1938-
331. Trudy Instituta i. m. Gannushkina. Moskva, v.5, 1940-
332. Travaux; Institut de thérapeutique; Université Libre. Brux., v.19, 1927-
333. [Starost] trudy; Konferencia po probleme geneza starosti i profilaktiki prezhddevremennovo starenia organizma. Kiev, 1939.
334. Transactions of the Laboratory of Experimental Biology of the Zoopark of Moscow. Moskva, v.1, 1926-
335. Trudy; Leningradsky (II) medicinsky institut. Leningr., v.6, 1935.
336. Transactions; Medical Association of the Southwest, United States. Oklahoma City, 1919-
337. Transactions; Leningrad State University of A. S. Boubnoff; Physiological Institute. Leningr., No. 16, 1936-
338. Trudy; Sibirsky veterinarny institut. Omsk, 1927-
339. Transactions; Society (The) of Plastic and Reconstructive Surgery. Chic., 1940-
340. Trudy; Stalingradsky gosudarstvennyi medicinsky institut. Stalingr., v.1, 1939-
341. Trudy; Tomsky gosudarstvennyi medicinsky institut. Tomsk, v.6, 1938-
342. Trudy; Voronezhsky gosudarstvennyi medicinsky institut. Voronezh, 1932-
343. Trudy; Vostochno-Sibirsky medicinsky institut. Moskva, No. 2, 1935-
344. Transactions; Western Literary Institute, and College of Professional Teachers. Cincinnati, 1835.
345. Studies; Colorado University. Boulder, ser. A, v.27, No. 1, 1942-
346. Vermont medical monthly; official organ of the Vermont State Medical Society. Burlington, v.13, No. 1, 1907.
347. Verslagen; Tuberculose-Studie-Commissie; Nederlandsche centrale vereeniging tot bestrijding der tuberculose. 's-Gravenhage, v.7, 1933-
348. Vestnik endokrinologii. Moskva, v.5, No. 1/3, 1935-
349. Victor news. Chic., 1942-
350. Visual digest; published quarterly by the American Optometric Association. S. Joseph, Mo., v.4, No. 1, 1940-

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- | | |
|---|---|
| Visual Rev. | 351. Visual review; pub. annually by the Society for Visual Education. Chic., 1943- |
| Vitamin News, Milwaukee | 352. Vitamin news; pub. by Vitamin Products co. Milwaukee, v.2, 1943- |
| War Doctor | 353. War (The) doctor. N. Y., v.1, No. 8, 1943- |
| Water Works Engin. | 354. Water works engineering; the journal of the water works profession. N. Y., v.95, 1942- |
| Week. Bull. Oregon Bd Health | 355. Weekly bulletin; Oregon Board of Health. Portland, v.20, No. 1, 1942- |
| Westchester M. Bull. | 356. Westchester medical bulletin; pub. by Westchester County Medical Society. White Plains, N. Y., v.7, No. 1, 1939- |
| West. Pennsylvania Retail Druggist | 357. Western Pennsylvania retail druggist. Pittsb., Pa., Jan. 1915- |
| Women Only, Kansas City | 358. [Dr Richardson's for] women only magazine. Kansas City, 1935- |
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| Your Health, Salt Lake City | 360. Your health; pub. by the Utah State Department of Health. Salt Lake City, v.1, No. 1, 1942- |
| Zbl. Biblioth. | 361. Zentralblatt für Bibliothekswesen. Lpz., v.1, 1884- |
| Zbl. Krebskr. | 362. Zentralblatt der Krebskrankheiten. Lpz., v.6, 1910. |
| Zschr. Bücherfreunde | 363. Zeitschrift für Bücherfreunde. Lpz., 1898- |

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ALABAMA.

- Auburn.—Alabama polytechnic institute; Library (*)
- Birmingham.—Public library (*; also 1, 2, 3, 4)
- Montgomery.—Department of archives and history; Library (*)
- Spring Hill.—Spring Hill college; Thomas Byrne memorial library (*)
- Tuskegee.—Tuskegee institute; Hollis Burke Frissell library (*)
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- Coral Gables.—University of Miami; Law library (*)
 De Land.—John B. Stetson university; Sampson library (*)
 Gainesville.—University of Florida; Library (*)
 Jacksonville.—Public library (*)
 Jacksonville.—State board of health (3, 4)
 Tallahassee.—Florida state library (*)

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 Emory University.—Emory University; Asa Griggs Candler library (*)
 Emory University.—Emory University; A. W. Calhoun medical library (4)
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IDAHO.

- Moscow.—University of Idaho; Library (*)
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- Bloomington.—Illinois Wesleyan university; Buck memorial library (*)
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 Chicago.—University of Illinois; Medical department; Quine library (1, 2, 3, 4)
 Evanston.—Northwestern university; Library (*)
 Hines.—Veterans administration (3, 4)
 Lisle.—St Procopius college; Library (*)
 Rockford.—Public library (*)
 Springfield.—Illinois state library (*)
 Urbana.—University of Illinois; Library (*)
 Wheaton.—Wheaton college library (*)

INDIANA.

- Bloomington.—Indiana university; Library (*)
 Crawfordsville.—Wabash college library (*)
 Fort Wayne.—Public library (*)
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 Indianapolis.—Indianapolis public library; Medical department (1, 2, 3, 4)
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 La Fayette.—Purdue university; Library (*)
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 Notre Dame.—University of Notre Dame; Library (*)
 South Bend.—Public library; Medical department (1, 2, 3, 4)
 Terre Haute.—Indiana state teachers college; Library (*)

IOWA.

- Ames.—Iowa state college; Library (*)
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KANSAS.

Baldwin City.—Baker university; Library (*)
 Emporia.—Kansas state teachers college; Kellogg library (*)
 Fort Leavenworth.—Station hospital; Command and general staff school (1, 2, 3, 4)
 Hays.—Fort Hays Kansas state college; Forsyth library (*)
 Kansas City, Kan.—University of Kansas; School of medicine; Library (2, 3, 4)
 Lawrence.—University of Kansas; Library (*)
 Manhattan.—Kansas state college of agriculture and applied sciences; Library (*)
 Pittsburg.—Pittsburg public library (*)
 Topeka.—Kansas state library (*)
 Wichita.—University of Wichita (*)

KENTUCKY.

Lexington.—Transylvania university (4)
 Lexington.—University of Kentucky; Library (*)
 Louisville.—Louisville free public library (*)
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 Louisville.—University of Louisville; Library (*)
 Louisville.—University of Louisville; Medical department; Library (1, 2, 3, 4)

LOUISIANA.

Carville.—U. S. Marine hospital No. 66 (2, 3, 4)
 Lake Charles.—John McNeese junior college; Library (*)
 New Orleans.—Louisiana state museum; Library (*)
 New Orleans.—Louisiana state university; Medical center; Agramonte memorial library (3, 4)
 New Orleans.—Loyola university; Library (*)
 New Orleans.—New Orleans public library (*)
 New Orleans.—Orleans parish medical society; Library (1, 2, 3, 4)
 New Orleans.—State board of health of Louisiana (1, 2, 3, 4)
 New Orleans.—Tulane university; Howard-Tilton memorial library (*)
 New Orleans.—Tulane university; School of medicine; Rudolph Matas medical library (1, 2, 3, 4)
 New Orleans.—U. S. Marine hospital (2, 3, 4)
 Ruston.—Louisiana polytechnic institute; Library (*)
 Shreveport.—Shreve memorial library (*)
 University Station.—Louisiana state university; Library (*)

MAINE.

Augusta.—Maine state library (*)
 Bangor.—Bangor public library (*)
 Brunswick.—Bowdoin college library (*)
 Lewiston.—Bates college library (*)
 Orono.—University of Maine; Library (*)
 Waterville.—Colby college; Library (*)

MARYLAND.

Baltimore.—Enoch Pratt free library (*)
 Baltimore.—Dr Harry Friedenwald (3, 4)
 Baltimore.—Johns Hopkins hospital; Medical clinic (4)
 Baltimore.—Johns Hopkins university; Library (*; also 1, 2, 3, 4)
 Baltimore.—Medical and chirurgical faculty of Maryland; Library (1, 2, 3, 4)
 Baltimore.—Peabody institute; Library (*)
 Baltimore.—State department of health (1, 2, 3, 4)
 Baltimore.—U. S. Marine hospital (1, 2, 3, 4)

Baltimore.—University of Maryland; School of medicine; Library (1, 2, 3, 4)
 Baltimore.—Welch medical library (3, 4)
 Beltsville.—U. S. Department of agriculture; Zoological division; Index-Catalogue of medical and veterinary zoology (1, 2, 3, 4)
 Bethesda.—U. S. Naval medical center; Naval medical school (1, 2, 3, 4)
 Bethesda.—U. S. Public health service (1, 2, 3, 4)
 Bethesda.—U. S. Public health service; Division of mental hygiene (4)
 Bethesda.—U. S. Public health service; National institute of health (1, 2, 3, 4)
 Chestertown.—Washington college; George Avery Bunting library (*)
 College Park.—University of Maryland; Library (*)
 Towson.—Sheppard and Enoch Pratt hospital (1, 2, 3, 4)
 Westminster.—Western Maryland college; Library (*)

MASSACHUSETTS.

Amherst.—Amherst college; Converse memorial library (*)
 Boston.—Boston Athenaeum library (*)
 Boston.—Boston City hospital; Medical library (1, 2, 3, 4)
 Boston.—Boston medical library (1, 2, 3, 4 in dupl.)
 Boston.—Boston public library (*)
 Boston.—Boston university; School of medicine; Library (2, 3, 4)
 Boston.—Harvard university; Dental school (2, 3, 4)
 Boston.—Harvard university; Museum of comparative zoology (1, 2, 3, 4)
 Boston.—Harvard university; School of medicine and public health; Library (1, 2, 3, 4 in tripl.)
 Boston.—Massachusetts college of pharmacy; Sheppard library (1, 2, 3, 4)
 Boston.—State library of Massachusetts (*)
 Boston.—Treadwell library; Massachusetts general hospital (1, 2, 3, 4)
 Boston.—U. S. Marine hospital (1, 2, 3, 4)
 Cambridge.—Harvard university; Littauer center; Library (*)
 Cambridge.—Massachusetts institute of technology (4)
 Hathorne.—Danvers state hospital; MacDonald medical library (1, 2, 3, 4)
 Northampton.—Forbes library (1, 2, 3, 4)
 Springfield.—City library association (1, 2, 3, 4)
 Taunton.—Taunton state hospital; Library (4)
 Tufts College.—Tufts college; Library (*)
 Waverley.—Walter E. Fernald state school (4)
 Wellesley.—Wellesley college; Library (1, 2, 3, 4)
 Williamstown.—Williams college; Library (*)
 Woods Hole.—Marine biological laboratory; Library (1, 2, 3, 4)
 Worcester.—American antiquarian society; Library (*)
 Worcester.—Free public library (*)
 Worcester.—Holy Cross college; Library (2, 3, 4)
 Worcester.—Worcester medical library (1, 2, 3, 4)

MICHIGAN.

Ann Arbor.—University of Michigan; General library (*; also 1, 2, 3, 4)
 Battle Creek.—Battle Creek public school; Library (*)
 Detroit.—Detroit public library; Medical science department (3, 4)
 Detroit.—Detroit public library; Reference department (*)
 Detroit.—U. S. Marine hospital (1, 2, 3, 4)
 Detroit.—University of Detroit; Library (*)
 Detroit.—Wayne University; Library(*)
 East Lansing.—Michigan state college of agriculture and applied science; Library (*)
 Lansing.—Michigan state library (*)
 Muskegon.—Baekley public library (*)
 Saginaw.—Hoyt public library (*)

MINNESOTA.

Duluth.—Duluth public library (*)
 Duluth.—S. Louis County medical society (1, 2, 3, 4)
 Minneapolis.—Hennepin County medical society; Library (1, 2, 3, 4)
 Minneapolis.—Public library (*)

- Minneapolis.—University of Minnesota; Library (*)
 Minneapolis.—University of Minnesota; Medical library (1, 2, 3, 4)
 Minneapolis.—Veterans administration (3, 4)
 Northfield.—S. Olaf college; Library (*)
 Rochester.—Mayo Clinic; Library (1, 2, 3, 4)
 S. Paul.—Minnesota state library (*)
 S. Paul.—Ramsey County medical society; Library (1, 2, 3, 4)
 S. Paul.—S. Paul public library (*)

MISSISSIPPI.

- Columbus.—Mississippi state college for women; J. C. Fant memorial library (*)
 Jackson.—Jackson infirmary (2, 3, 4)
 State College.—Mississippi state college; Library (*)
 University.—University of Mississippi; Library (*)

MISSOURI.

- Columbia.—University of Missouri; Library (*)
 Kansas City, Mo.—Jackson County medical society (1, 2, 3, 4)
 Kansas City, Mo.—Kansas City public library (*)
 Kansas City, Mo.—University of Kansas City; Library (*)
 Liberty.—William Jewell college; Library (*)
 S. Louis.—Missouri botanical garden (1, 2, 3, 4)
 S. Louis.—S. Louis medical society; Library (1, 2, 3, 4)
 S. Louis.—S. Louis municipal hospital (2, 3, 4)
 S. Louis.—S. Louis public library (*)
 S. Louis.—S. Louis university; School of medicine (1, 2, 3, 4)
 S. Louis.—Washington university; Library (*)
 S. Louis.—Washington university; Medical school (1, 2, 3, 4)
 Springfield.—Drury college; Library (*)

MONTANA.

- Billings.—Parmly Billings memorial library (1, 2, 3, 4)
 Bozeman.—Montana state college; Library (*)
 Helena.—Helena public library (*)
 Missoula.—State university of Montana; Library (*)

NEBRASKA.

- Lincoln.—Lancaster County medical society; Library (1, 2, 3, 4)
 Lincoln.—Nebraska state library (*)
 Lincoln.—University of Nebraska; Library (*)
 Omaha.—Municipal university of Omaha; Library (*)
 Omaha.—University of Nebraska; College of medicine; Library (1, 2, 3, 4)

NEVADA.

- Carson City.—Nevada state library (*)
 Reno.—University of Nevada; Library (3, 4)

NEW HAMPSHIRE.

- Concord.—New Hampshire state library (*)
 Durham.—University of New Hampshire; Hamilton Smith library (*)
 Hanover.—Dartmouth college; Library (*)
 Hanover.—Dartmouth medical college; Baker memorial library (2, 3, 4)
 Manchester.—City library (*)

NEW JERSEY.

- Bayonne.—Free public library (*)
 Jersey City.—Free public library (*)
 Madison.—Drew university; Rose memorial library (*)
 Morris Plains.—New Jersey state hospital (1, 2, 3, 4)
 Newark.—Academy of medicine of Northern New Jersey (3, 4)
 Newark.—Free public library (*; also 1, 2, 3, 4)
 Newark.—Prudential insurance company of America (1, 2, 3, 4)

New Brunswick.—Rutgers university; Library (*)
 Orange.—Orange memorial hospital; Library (1, 2, 3, 4)
 Princeton.—Princeton university; Library (*)
 Princeton.—Rockefeller institute for medical research; Department of animal and plant pathology (2, 3, 4)
 Trenton.—Free public library (*)
 Trenton.—New Jersey state library (*)

NEW MEXICO.

Albuquerque.—University of New Mexico; Library (*)
 Fort Stanton.—U. S. Marine hospital (1, 2, 3, 4)
 Santa Fe.—New Mexico state law library (*)

NEW YORK.

Albany.—New York state library (*)
 Albany.—New York state medical library (1, 2, 3, 4)
 Brooklyn.—Brooklyn college; Library (*)
 Brooklyn.—Brooklyn public library (*)
 Brooklyn.—Long Island college of medicine; Hoagland library (1, 2, 3, 4)
 Brooklyn.—Medical society of the County of Kings (1, 2, 3; 4 in dupl.)
 Brooklyn.—Pratt institute; Library (*)
 Brooklyn.—S. Johns university; Library (*)
 Brooklyn.—U. S. Naval hospital (3, 4)
 Buffalo.—Buffalo public library (*)
 Buffalo.—Grosvenor library (*)
 Buffalo.—State institute for the study of malignant diseases (1, 2, 3, 4)
 Buffalo.—University of Buffalo; Medical department; Library (1, 2, 3, 4)
 Canton.—S. Lawrence university; Library (*)
 Clifton Springs.—Clifton Springs sanitarium; Medical library (3, 4)
 Clinton.—Hamilton college; Library (1, 2, 3, 4)
 Cold Spring Harbor.—Carnegie institution of Washington; Department of genetics (3, 4)
 Cooperstown.—The Mary Imogene Bassett hospital; Medical library (3, 4)
 Ellis Island.—U. S. Marine hospital (2, 3, 4)
 Flushing.—Queens college; Library (*)
 Hamilton.—Colgate university; Library (*)
 Ithaca.—Cornell university; Library (*)
 Ithaca.—Cornell university; Medical college; Van Cleef memorial library (1, 2, 3, 4)
 Ithaca.—New York state veterinary college; Flower library (1, 2, 3, 4)
 Jamaica.—Queens Borough public library (*)
 Keuka Park.—Keuka college; Public library (*)
 Mount McGregor.—Metropolitan life insurance company; Sanatorium; Medical library (1, 2, 3, 4)
 New York.—American museum of natural history (1, 2, 3, 4)
 New York.—American social hygiene association (2, 3, 4)
 New York.—College of the City of New York; Library (*)
 New York.—Columbia university; Library (*; also 3, 4)
 New York.—Columbia university; College of physicians and surgeons; Library (1, 2, 3, 4)
 New York.—Cooper union; Library (*)
 New York.—Cornell university; Medical college (3, 4)
 New York.—Department of health; Bureau of laboratories (1, 2, 3, 4)
 New York.—Fordham university; Library (*)
 New York.—Lenox Hill hospital; Medical library (1, 2, 3, 4)
 New York.—Life extension institute (1, 2, 3, 4)
 New York.—Memorial hospital (2, 3, 4)
 New York.—Metropolitan life insurance company (4)
 New York.—Mount Sinai hospital; Pathological society; Library (1, 2, 3, 4)
 New York.—Municipal reference library; Public health division (1, 2, 3, 4)
 New York.—New York Academy of medicine (1, 2, 3; 4 in tripl.)
 New York.—New York hospital; Society (2, 3, 4)
 New York.—New York law institute; Library (*)
 New York.—New York medical college and Flower hospital; Prentiss library (1, 2, 3, 4)

New York.—New York postgraduate medical school and hospital (1, 2, 3, 4)
 New York.—New York public library (*; also 1, 2, 3, 4)
 New York.—New York state psychiatric institute and hospital (1, 2, 3, 4)
 New York.—New York university; College of medicine; Egbert Le Fevre memorial library (3, 4)
 New York.—Rockefeller institute for medical research (2, 3, 4)
 Poughkeepsie.—Medical society of the County of Dutchess; Library (1, 2, 3, 4)
 Rochester.—Academy of medicine; Library (1, 2, 3, 4)
 Rochester.—University of Rochester; Rush Rhees library (*)
 S. Bonaventure.—S. Bonaventure college; Library (*)
 Saranac Lake.—Saranac Lake laboratory for the study of tuberculosis; Library (1, 2, 3, 4)
 Schenectady.—Union college; Library (*)
 Sonyea.—Craig colony for epileptics (1, 2, 3, 4)
 Stapleton.—U. S. Marine hospital (2, 3, 4)
 Syracuse.—Syracuse university; Library (*)
 Syracuse.—Syracuse university; College of medicine; Library (1, 2, 3, 4)
 Troy.—Troy public library (*)
 Utica.—Utica academy of medicine (3, 4)
 Utica.—Utica public library (*)
 Willard.—Willard state hospital; Medical library (1, 2, 3, 4)

NORTH CAROLINA.

Asheville.—Pack memorial public library (1, 2, 3, 4)
 Chapel Hill.—University of North Carolina; Library (*)
 Charlotte.—Charlotte medical library (3, 4)
 Durham.—Duke university; Library (*)
 Durham.—Duke university; Medical school; Hospital library (1, 2, 3, 4)
 Greensboro.—Agricultural and technical college; Library (*)
 Morganton.—State hospital (1, 2, 3, 4)
 Raleigh.—North Carolina state college; Library (*)
 Wake Forest.—Wake Forest college; Library (*)
 Winston-Salem.—Salem college; Library (*)

NORTH DAKOTA.

Bismarck.—State historical library (*)
 Grand Forks.—Grand Forks public library (1, 2, 3, 4)
 Grand Forks.—University of North Dakota; Library (*)

OHIO.

Akron.—City hospital; Library (3, 4)
 Alliance.—Mt Union college; Library (*)
 Athens.—Ohio university; Edwin Watts Chubb library (*)
 Bowling Green.—Bowling Green state college; Library (*)
 Bucyrus.—Bucyrus public library (*)
 Cincinnati.—Cincinnati general hospital; Library (1, 2, 3, 4)
 Cincinnati.—Public library (*; also 1, 2, 3, 4)
 Cincinnati.—University of Cincinnati; Library (*)
 Cincinnati.—University of Cincinnati; College of medicine; Dandridge memorial library (1, 2, 3, 4)
 Cleveland.—Cleveland medical library association (1, 2, 3, 4)
 Cleveland.—Cleveland public library (*)
 Cleveland.—Lakeside hospital; Department of medicine; Library (1, 2, 3, 4)
 Cleveland.—Lakeside hospital; Department of surgery; Library (1, 2, 3, 4)
 Cleveland.—U. S. Marine hospital (2, 3, 4)
 Cleveland.—Western Reserve university; Adelbert college; Library (*)
 Columbus.—Ohio state department of health; Library (1, 2, 3, 4)
 Columbus.—Ohio state library (*)
 Columbus.—Ohio state university; Library (*)
 Columbus.—Ohio state university; College of medicine (1, 2, 3, 4)
 Dayton.—Dayton public library (*)
 Delaware.—Ohio Wesleyan university; Charles Slocum library (*)
 Gambier.—Kenyon college; Library (*)

Granville.—Denison university; Library (*)
 Marietta.—Marietta college; Library (*)
 Oberlin.—Oberlin college; Library (*)
 Oxford.—Miami university; Library (*)
 Springfield.—Warder public library (*)
 Toledo.—Toledo hospital; Medical library (1, 2, 3, 4)
 Toledo.—Toledo public library (*)
 Van Wert.—Brumback library of Van Wert County (*)

OKLAHOMA.

Durant.—Southeastern teachers college; Library (*)
 Edmond.—Central state teachers college; Library (*)
 Langston.—Langston university; Library (*)
 Norman.—University of Oklahoma; Library (*)
 Oklahoma City.—Oklahoma County medical association (1, 2, 3, 4)
 Oklahoma City.—Oklahoma state library (*)
 Oklahoma City.—University of Oklahoma; School of medicine; Dean's office (2, 3, 4)
 Stillwater.—Agriculture and mechanics college; Library (*)
 Tahlequah.—Northeastern state teachers college; Library (*)

OREGON.

Corvallis.—Oregon agricultural college; Library (*)
 Eugene.—University of Oregon; Library (*)
 Forest Grove.—Pacific university; Library (*)
 Portland.—Library association of Portland (*)
 Portland.—Reed college; Library (*)
 Portland.—University of Oregon; Medical school; Library (1, 2, 3, 4)
 Salem.—Oregon state library (*)

PANAMA CANAL ZONE.

Ancon.—Army medical research board (3, 4)
 Ancon.—Gorgas hospital (1, 2, 3, 4)

PENNSYLVANIA.

Allentown.—Muhlenberg college; Library (*)
 Altoona.—Public library (1, 2, 3, 4)
 Bethlehem.—Lehigh university; Library (*)
 Carlisle.—J. Herman Bosler memorial library (*)
 Carlisle Barracks.—Medical field service school (1, 2, 3, 4)
 Danville.—George F. Geisinger memorial hospital; Medical library (3, 4)
 Harrisburg.—Harrisburg academy of medicine; Library (1, 2, 3, 4)
 Harrisburg.—Pennsylvania state library (*)
 Haverford.—Haverford college; Library (*)
 Huntingdon.—Juniata college; Library (*)
 Lancaster.—Franklin and Marshall college; Watts De Reyster library (*)
 Meadville.—Allegheny college; Library (*)
 Philadelphia.—Academy of natural sciences of Philadelphia; Library (1, 2, 3, 4)
 Philadelphia.—American philosophical society (1, 2, 3, 4)
 Philadelphia.—College of physicians of Philadelphia (1, 2, 3; 4 in dupl.)
 Philadelphia.—Department of public health (2, 3, 4)
 Philadelphia.—Drexel institute of technology; Library (1, 2, 3, 4)
 Philadelphia.—Franklin institute (1, 2, 3, 4)
 Philadelphia.—Free library of Philadelphia (*)
 Philadelphia.—Hahnemann medical college and hospital; Library (1, 2, 3, 4)
 Philadelphia.—Jefferson medical college; Daniel Baugh institute of anatomy and biology
 (1, 2, 3, 4)
 Philadelphia.—Jefferson medical college; Library (1, 2, 3, 4)
 Philadelphia.—Lankenau hospital; Library (1, 2, 3, 4)
 Philadelphia.—Pennsylvania hospital; Library (1, 2, 3, 4)
 Philadelphia.—Philadelphia college of pharmacy and science (1, 2, 3, 4)
 Philadelphia.—Philadelphia County medical society (1, 2, 3, 4)

Philadelphia.—University of Pennsylvania; Henry Phipps institute (1, 2, 3, 4)
 Philadelphia.—University of Pennsylvania; Hospital; Library (1, 2, 3, 4)
 Philadelphia.—University of Pennsylvania; Library (*)
 Philadelphia.—University of Pennsylvania; School of medicine; McManes laboratory of pathology (1, 2, 3, 4)
 Philadelphia.—Woman's medical college of Pennsylvania; Library (1, 2, 3, 4)
 Pittsburgh.—Allegheny general hospital; William H. Singer memorial research laboratory (1, 2, 3, 4)
 Pittsburgh.—Carnegie library (*)
 Pittsburgh.—Pittsburgh academy of medicine; Library (3, 4)
 Pittsburgh.—Pittsburgh hospital association (3, 4)
 Pittsburgh.—University of Pittsburgh; Library (*)
 Pittsburgh.—University of Pittsburgh; School of medicine (1, 2, 3, 4)
 Pottsville.—Medical library association of Schuylkill County (1, 2, 3, 4)
 Reading.—Berks County medical society (1, 2, 3, 4)
 Reading.—Reading hospital; Medical library (4)
 Reading.—Reading public library (*)
 Scranton.—Scranton public library (*)
 State College.—Pennsylvania state college; Library (*)
 Swarthmore.—Swarthmore college; Library (*)
 Washington.—Washington and Jefferson college; Memorial library (*)
 Wilkes-Barre.—Luzerne County medical society; Library (1, 2, 3, 4)
 Williamsport.—Lycoming County medical society (3, 4)
 York.—York County medical society; Library (2, 3, 4)

PUERTO RICO.

Rio Piedras.—University of Puerto Rico; Library (*)
 San Juan.—University of Puerto Rico; School of tropical medicine and University hospital (1, 2, 3, 4)

RHODE ISLAND.

Kingston.—Rhode Island state college; Library (*)
 Newport.—Redwood library (1, 2, 3, 4)
 Providence.—Brown university; Library (*)
 Providence.—Rhode Island medical society; Library (1, 2, 3, 4)
 Providence.—Rhode Island state library (*)
 Providence.—State board of health of Rhode Island (1, 2, 3, 4)

SOUTH CAROLINA.

Charleston.—Medical college of the State of South Carolina (1, 2, 3, 4)
 Clemson College.—Clemson college; Library (*)
 Columbia.—University of South Carolina; Library (*)
 Rockhill.—Winthrop college; Carnegie library (*)
 Seneca.—South Carolina medical association (1, 2, 3, 4)

SOUTH DAKOTA.

Brookings.—South Dakota state college; Lincoln memorial library (*; also 3, 4)
 Vermilion.—University of South Dakota; Library (*)

TENNESSEE.

Chattanooga.—Chattanooga public library (*)
 Knoxville.—University of Tennessee; Library (*)
 Memphis.—Army school of roentgenology (3, 4)
 Memphis.—Cossitt library (*)
 Memphis.—University of Tennessee; Colleges of medicine, dentistry and pharmacy; Library (1, 2; 3, 4 in dupl.)
 Nashville.—Carnegie library (*)
 Nashville.—Joint university libraries (*)
 Sewanee.—University of the South; Library (*)

TEXAS.

- Austin.—Texas state library (*)
 Austin.—University of Texas; Documents acquisition (*)
 Canyon.—West Texas state teachers college; Library (*)
 College Station.—Agriculture and mechanics college of Texas; Library (*)
 Dallas.—Baylor university; College of medicine; Library (3, 4)
 Dallas.—Dallas public library (*)
 Denton.—Texas state college for women; College of industrial arts; Library (*)
 El Paso.—El Paso County medical society; Library (1, 2, 3, 4)
 Fort Bliss.—William Beaumont general hospital (1, 2, 3, 4)
 Fort Sam Houston.—Station hospital (2, 3, 4)
 Fort Worth.—Fort Worth library (*)
 Fort Worth.—State medical association of Texas (4)
 Galveston.—Rosenberg library (*)
 Galveston.—U. S. Marine hospital (1, 2, 3, 4)
 Galveston.—University of Texas; Medical department; Library (1, 2, 3, 4)
 Houston.—Houston academy of medicine (1, 2, 3, 4)
 Houston.—Houston public library (*)
 Lubbock.—Texas technological college; Library (*)
 Randolph Field.—School of aviation medicine (3, 4)
 San Antonio.—Bexar County medical society; Library (1, 2, 3, 4)
 San Antonio.—Carnegie library (*)
 Waco.—Baylor university; Library (*)

UTAH.

- Logan.—Utah state agricultural college; Library (*)
 Provo.—Brigham Young university; Library (*)
 Salt Lake City.—University of Utah; Library (*)

VERMONT.

- Burlington.—University of Vermont; Billings library (*)
 Middlebury.—Middlebury college; Library (*)
 Montpelier.—Vermont state library (*)
 Waterbury.—Vermont state hospital for the insane (1, 2, 3, 4)

VIRGINIA.

- Blacksburg.—Virginia polytechnic institute; Library (*)
 Fredericksburg.—Mary Washington college; Library (*)
 Hampden Sidney.—Hampden Sidney college; Library (*)
 Norfolk.—Norfolk County medical library (1, 2, 3, 4)
 Norfolk.—U. S. Marine hospital (1, 2, 3, 4)
 Richmond.—Medical college of Virginia; Library (1, 2, 3, 4)
 Richmond.—University of Richmond; Library (*)
 Richmond.—Virginia state library (*)
 University.—University of Virginia; Library (*)
 University.—University of Virginia; Medical library (1, 2, 3, 4)
 Williamsburg.—College of William and Mary; Library (*)

WASHINGTON.

- Fort Lewis.—Corps area laboratory (4)
 Olympia.—Washington state library (*)
 Pullman.—State college of Washington; Library (*)
 Seattle.—Seattle medical library (1, 2, 3, 4)
 Seattle.—Seattle public library (*)
 Seattle.—U. S. Marine hospital (1, 2, 3, 4)
 Seattle.—University of Washington; Library (*)
 Spokane.—Spokane medical and dental library (2, 3, 4)
 Spokane.—Spokane public library (*)
 Tacoma.—Tacoma public library (*)
 Walla Walla.—Whitman college; Library (*)

WEST VIRGINIA.

- Athens.—Concord state normal; Library (*)
 Morgantown.—West Virginia university; Library (*)
 Wheeling.—Ohio Valley general hospital; Library (1, 2, 3, 4)

WISCONSIN.

- Appleton.—Lawrence college; Library (*)
 Beloit.—Beloit college; Library (*)
 Eau Claire.—Eau Claire public library (*)
 La Crosse.—La Crosse public library (*)
 Madison.—State board of health of Wisconsin (1, 2, 3, 4)
 Madison.—State historical society; Library (*)
 Madison.—University of Wisconsin; Library (*; also 1, 2, 3, 4)
 Milwaukee.—Law library of Milwaukee County (*)
 Milwaukee.—Milwaukee academy of medicine; Library (1, 2, 3, 4)
 Milwaukee.—Milwaukee public library (*)
 Statesan.—Wisconsin state sanatorium (2, 3, 4)
 Superior.—Superior state teachers college; Library (*)
 Waupun.—Central state hospital for the insane (1, 2, 3, 4)

WYOMING.

- Cheyenne.—Wyoming state library (*)
 Laramie.—University of Wyoming; Library (*)

ASIA**CHINA.**

- Peiping.—National library of Peiping (4)
 Peiping.—Peiping union medical college; Library (3, 4)
 Shanghai.—Chinese medical association (1, 2, 3, 4)

HAWAII.

- Honolulu.—Tripler general hospital (1, 2, 3, 4)

INDIA.

- Bombay.—Tata memorial hospital; Sir Ratan Tata library (3, 4)
 Bombay.—University of Bombay; Library (2, 3, 4)
 Kasauli.—Indian research fund association; Scientific advisory board (4)
 Madras.—Madras university; Library (2, 3, 4)

JAPAN.

- Kanazawa.—Kanazawa university of medicine (3, 4)
 Kyōtō.—Kyōtō imperial university; Surgical clinic (2, 3, 4)
 Sendai.—Tohoku imperial university; College of medicine; Library (3, 4)
 Tōkyō.—Government institute for the study of infectious diseases (2, 3, 4)
 Tōkyō.—Keio university; Kitasato memorial medical library (4)
 Tōkyō.—Keio university; Medical college (2, 3, 4)
 Tōkyō.—Tōkyō teikoku daigaku (2, 3, 4)

LEBANON.

- Beirut.—American university of Beirut; Medical library (2, 3, 4)

PHILIPPINE ISLANDS.

- Manila.—Department of agriculture and commerce; Library (*)
 Manila.—Bureau of science (1, 2, 3, 4)
 Manila.—National library (*)
 Manila.—Philippine army library (3, 4)
 Manila.—University of the Philippines; Library (*)
 Manila.—University of the Philippines; School of hygiene and public health (3, 4)

SIAM.

- Bangkok.—Siriraj hospital; Medical library (2, 3, 4)

AUSTRALIA AND NEW ZEALAND

AUSTRALIA (Commonwealth)

- Adelaide.—University of Adelaide; Barr Smith library (1, 2, 3, 4)
 Canberra.—Australian institute of anatomy (4)
 Melbourne.—Chief health officer for Victoria (1, 2, 3, 4)
 Melbourne.—University of Melbourne; Medical school; Library (1, 2, 3, 4)
 Sydney.—New South Wales Branch of British medical association (3, 4)

NEW ZEALAND (Dominion)

- Auckland.—Auckland university college (1, 2, 3, 4)
 Dunedin.—Medical school; Library (1, 2, 3, 4)
 Wellington.—New Zealand branch; British medical association (3, 4)
 Wellington.—General assembly library (4)

EUROPE

AUSTRIA.

- Graz.—Universitäts-Bibliothek (1, 2, 3, 4)
 Innsbruck.—Universitäts-Bibliothek (1, 2, 3, 4)
 Wien.—Allgemeines Krankenhaus; Aerztliches Lesezimmer (1, 2, 3, 4)
 Wien.—Gesellschaft der Aerzte in Wien; Bibliothek (1, 2, 3, 4)
 Wien.—Militärärztliche Bibliothek (1, 2, 3, 4)
 Wien.—Universitäts-Bibliothek (1, 2, 3, 4)
 Wien.—Universität; Neurologisches Institut (1, 2, 3, 4)

BELGIUM.

- Anvers.—Société de médecine d'Anvers (1, 2, 3, 4)
 Bruxelles.—Académie royale de médecine de Belgique (1, 2, 3, 4)
 Bruxelles.—Institut des hautes études de Belgique (1, 2, 3, 4)
 Bruxelles.—Service de santé de l'Armée belge; Inspecteur Général (1, 2, 3, 4)
 Bruxelles.—Université de Bruxelles; Faculté de médecine; Bibliothèque (1, 2, 3, 4)
 Gand.—Université de Gand; Bibliothèque (1, 2, 3, 4)
 Liège.—International Congress of military medicine and pharmacy; International committee (3, 4)

CZECHOSLOVAKIA.

- Praha.—Česka universita; Knihovna (3, 4)
 Praha.—Národní a univerzitní knihovna (1, 2, 3, 4)
 Praha.—Universität; Pathologisch-anatomisches Institut (1, 2, 3, 4)

DENMARK.

- København.—Universitets-Biblioteket (1, 2, 3, 4)

ENGLAND.

- Birmingham.—Birmingham medical institute (1, 2, 3, 4)
 Birmingham.—Birmingham public libraries (1, 2, 3, 4)
 Birmingham.—Medical school; Hospitals centre (1, 2, 3, 4)
 Bristol.—University of Bristol; Medical library (1, 2, 3, 4)
 Cambridge.—University of Cambridge; Library (1, 2, 3, 4)
 Cambridge.—University of Cambridge; Department of pathology; Library (1, 2, 3, 4)
 Leeds.—University of Leeds; School of medicine; Library (1, 2, 3, 4)
 Liverpool.—Liverpool medical institution (1, 2, 3, 4)
 Liverpool.—Liverpool school of tropical medicine (1, 2, 3, 4)
 Liverpool.—University of Liverpool; Faculty of medicine; Departmental library (1, 2, 3, 4)
 London.—British dental association (1, 2, 3, 4)
 London.—British medical association; Library (1, 2, 3, 4)
 London.—British museum (Natural history) (3, 4)
 London.—Galton laboratory (3, 4)
 London.—Great Britain; Admiralty; Royal naval medical service; Medical Director-General of the Navy (1, 2, 3, 4)
 London.—Great Britain; Patent office; Library (1, 2, 3, 4)
 London.—Great Britain; Ministry of health; Medical library (1, 2, 3, 4)

London.—Great Britain; War office; Royal army medical corps; Editor of the journal (1, 2, 3, 4)
 London.—Great Britain; War office; Army medical service; Director-General (1, 2, 3, 4)
 London.—Guy's hospital; The Wills library (1, 2, 3, 4)
 London.—Lancet; Editor (1, 2, 3, 4)
 London.—Lister institute of preventive medicine; Library (1, 2, 3, 4)
 London.—London hospital medical college (1, 2, 3, 4)
 London.—London school of hygiene and tropical medicine (3, 4)
 London.—London Royal free hospital; School of medicine for women; Library (1, 2, 3, 4)
 London.—National central library (1, 2, 3, 4)
 London.—National institute for medical research (3, 4)
 London.—Pharmaceutical society of Great Britain (1, 2, 3, 4)
 London.—Royal college of physicians (1, 2, 3, 4)
 London.—Royal college of surgeons of England (1, 2, 3, 4)
 London.—Royal college of veterinary surgeons (2, 3, 4)
 London.—Royal microscopical society (1, 2, 3, 4)
 London.—Royal sanitary institute (1, 2, 3, 4)
 London.—Royal society (1, 2, 3, 4)
 London.—Royal society of medicine (1, 2, 3; 4 in dupl.)
 London.—S. Bartholomew's hospital; Medical college; Library (1, 2, 3, 4)
 London.—S. Thomas's hospital; Medical school; Library (1, 2, 3, 4)
 London.—South Kensington science library (3, 4)
 London.—University college; Medical sciences library (1, 2, 3, 4)
 London.—University college; Hospital medical school; Library (1, 2, 3, 4)
 London.—University of London; Library (1, 2, 3, 4)
 London.—Wellcome historical medical museum (1, 2, 3, 4)
 Manchester.—The John Ryland library (1, 2, 3, 4)
 Manchester.—Manchester medical library (1, 2, 3, 4)
 Newcastle-upon-Tyne.—King's college; Library (1, 2, 3, 4)
 Norwich.—Norwich medico-chirurgical society (1, 2, 3, 4)
 Oxford.—Bodleian library (1, 2, 3, 4)
 Oxford.—Radcliffe library (1, 2, 3, 4)
 Reading.—University; Library (3, 4)
 Sheffield.—University; Library (1, 2, 3, 4)

ESTONIA.

Tartu.—Tartu ülikooli raamatukogu (4)

FINLAND.

Helsinki.—Universitets-Biblioteket (1, 2, 3, 4)

FRANCE.

Bordeaux.—Bibliothèque universitaire; Section de médecine (1, 2, 3, 4)
 Bordeaux.—Société de médecine et de chirurgie (1, 2, 3, 4)
 Clermont-Ferrand.—Bibliothèque municipale et universitaire (2, 3, 4)
 Lille.—Bibliothèque universitaire (1, 2, 3, 4)
 Lyon.—Faculté de médecine; Bibliothèque (1, 2, 3, 4)
 Marseilles.—Université d'Aix-Marseille; Faculté de médecine et pharmacie (1, 2, 3, 4)
 Montpellier.—Bibliothèque universitaire (1, 2, 3; 4 in dupl.)
 Nancy.—Université de Nancy; Faculté de médecine; Bibliothèque (1, 2, 3, 4)
 Paris.—Académie de médecine (1, 2, 3, 4)
 Paris.—Bibliothèque nationale (1, 2, 3, 4)
 Paris.—Bureau de la statistique municipale de Paris (1, 2, 3, 4)
 Paris.—Ecole supérieure de pharmacie de Paris; Faculté de pharmacie; Bibliothèque (1, 2, 3, 4)
 Paris.—France; Ministère de la guerre; Service de santé militaire; Bibliothèque centrale (1, 2, 3, 4)
 Paris.—France; Ministère de la marine; Service de santé de la marine; Inspecteur Général (1, 2, 3, 4)
 Paris.—Hôpital S. Louis; Bibliothèque médicale (1, 2, 3, 4)
 Paris.—Institut de bibliographie scientifique (1, 2, 3, 4)
 Paris.—League of Red Cross societies (3, 4)
 Paris.—Museum national d'histoire naturelle; Bibliothèque centrale (1, 2, 3, 4)

- Paris.—Société anatomique de Paris (1, 2, 3, 4)
 Paris.—Société médicale des hôpitaux de Paris (1, 2, 3, 4)
 Paris.—Société de médecine légale de France (1, 2, 3, 4)
 Paris.—Université de Paris; Bibliothèque (1, 2, 3, 4)
 Paris.—Université de Paris; Faculté de médecine de Paris (1, 2, 3; 4 in dupl.)
 Paris.—Université de Paris; Faculté de médecine; Laboratoire de parasitologie (3, 4)
 Rheims.—Société médicale de Rheims (1, 2, 3, 4)
 Toulouse.—Bibliothèque universitaire de Toulouse (1, 2, 3, 4)

GERMANY.

- Berlin.—Auskunftsbureau der deutschen Bibliotheken (1, 2, 3, 4)
 Berlin.—Berliner medizinische Gesellschaft; Bibliothek (1, 2, 3, 4)
 Berlin.—Deutsche Aerzte-Bücherei (1, 2, 3, 4)
 Berlin.—Germany; Armee; Generalstabsarzt (1, 2, 3, 4)
 Berlin.—Institut für Geschichte der Medizin und der Naturwissenschaften (3, 4)
 Berlin.—Preussische Staatsbibliothek (1, 2, 3, 4)
 Berlin.—Universitäts-Bibliothek (1, 2, 3, 4)
 Breslau.—Schlesische Gesellschaft für vaterländische Kultur; Bibliothek (1, 2, 3, 4)
 Dresden.—Gesellschaft für Natur- und Heilkunde; Bibliothek (1, 2, 3, 4)
 Erfurt.—Stadtbücherei (1, 2, 3, 4)
 Erlangen.—Physikalisch-medizinische Sozietät zu Erlangen (1, 2, 3, 4)
 Frankfurt a. M.—Senckenbergische Bibliothek (1, 2, 3, 4)
 Freiburg.—Universitäts-Bibliothek (1, 2, 3, 4)
 Giessen.—Universitäts-Bibliothek (1, 2, 3, 4)
 Göttingen.—Universitäts-Bibliothek (1, 2, 3, 4)
 Greifswald.—Universitäts-Bibliothek (1, 2, 3, 4)
 Halle a. S.—Universitäts-Bibliothek (1, 2, 3, 4)
 Hamburg.—Hygienisches Staatsinstitut (1, 2, 3, 4)
 Heidelberg.—Universitäts-Bibliothek (1, 2, 3, 4)
 Jena.—Universitäts-Bibliothek (1, 2, 3, 4)
 Karlsruhe.—Badische Landesbibliothek (1, 2, 3, 4)
 Kiel.—Universitäts-Bibliothek (1, 2, 3, 4)
 Königsberg.—Staats- und Universitäts-Bibliothek (1, 2, 3, 4)
 Leipzig.—Institut für Geschichte der Medizin (1, 2, 3, 4)
 Leipzig.—Universitäts-Bibliothek (1, 2, 3, 4)
 Marburg.—Universitäts-Bibliothek (1, 2, 3, 4)
 München.—Deutsche Forschungsanstalt für Psychiatrie (1, 2, 3, 4)
 München.—Universitäts-Bibliothek (1, 2, 3, 4)
 Münster.—Medizinische Klinik (1, 2, 3, 4)
 Rostock.—Universitäts-Bibliothek (1, 2, 3, 4)
 Strassburg.—Société de médecine du Bas-Rhin (1, 2, 3, 4)
 Tübingen.—Universitäts-Bibliothek (1, 2, 3, 4)
 Wiesbaden.—Nassauische Landesbibliothek (1, 2, 3, 4)
 Würzburg.—Universitäts-Bibliothek (1, 2, 3, 4)
 Würzburg.—Universität; Physiologisches Institut (1, 2, 3, 4)

HUNGARY.

- Budapest.—Budapesti királyi orvosegyesület (1, 2, 3, 4)
 Budapest.—Országos közegészségügyi intézet (2, 3, 4)
 Kolozsvár.—Egyetemi könyvtár (1, 2, 3, 4)

IRELAND.

- Dublin.—Registrar general of Ireland (1, 2, 3, 4)
 Dublin.—Royal college of physicians of Ireland (1, 2, 3, 4)
 Dublin.—Royal college of surgeons of Ireland (1, 2, 3, 4)

IRELAND (Northern)

- Belfast.—Queen's university; Library (1, 2, 3, 4)

ITALY.

- Bologna.—Istituto Rizzoli (3, 4)
 Bologna.—Università; Biblioteca universitaria (2, 3, 4)

Cagliari.—Biblioteca universitaria (1, 2, 3, 4)
 Firenze.—Reale istituto di studi superiori; Biblioteca medica (1, 2, 3, 4)
 Firenze.—Regia biblioteca nazionale centrale (1, 2, 3, 4)
 Modena.—Biblioteca Estense e universitaria (1, 2, 3, 4)
 Padova.—Università; Istituto di fisiologia (1, 2, 3, 4)
 Parma.—Biblioteca palatina (1, 2, 3, 4)
 Roma.—Athena; Redattore (4)
 Roma.—Giornale di medicina militare; Redattore (1, 2, 3, 4)
 Roma.—Italy; Consiglio nazionale delle ricerche (4)
 Roma.—Italy; Ministero dell'igiene; Direttore Generale di sanità pubblica (2, 3, 4)
 Roma.—Policlinico Umberto I; Biblioteca medica (3, 4)
 Torino.—Biblioteca nazionale di Torino (1, 2, 3, 4)
 Vatican City.—Biblioteca Apostolica Vaticana (1, 2, 3, 4)
 Venezia.—Biblioteca nazionale di S. Marco (1, 2, 3, 4)
 Venezia.—Istituto Veneto di scienze, lettere ed arti; Biblioteca (1, 2, 3, 4)
 Verona.—Biblioteca civica e antichi archivi di Verona (1, 2, 3, 4)

LATVIA.

Riga.—University of Riga (3, 4)

NETHERLANDS.

Amsterdam.—Koloniaal instituut (1, 2, 3, 4)
 Amsterdam.—Universiteit van Amsterdam; Bibliotheek (1, 2, 3, 4)
 Amsterdam.—Universiteit van Amsterdam; Pharmaceutical laboratory (1, 2, 3, 4)
 's-Gravenhage.—Koninklijke bibliotheek (1, 2, 3, 4)
 Groningen.—Universiteit-Bibliotheek (1, 2, 3, 4)
 Leiden.—Rijksuniversiteit te Leiden; Bibliotheek (1, 2, 3, 4)
 Utrecht.—Rijksuniversiteit te Utrecht; Bibliotheek (1, 2, 3, 4)

NORWAY.

Oslo.—Norske medicinske selskap; Biblioteket (1, 2, 3, 4)
 Oslo.—Universitets-Biblioteket (1, 2, 3, 4)

POLAND.

Kraków.—Biblioteka Jagiellońska (1, 2, 3, 4)
 Warszawa.—Biblioteka centrum wyszkolenia sanitarnego (1, 2, 3, 4)
 Warszawa.—Université de Varsovie; Bibliothèque (1, 2, 3, 4)

PORTUGAL.

Lisboa.—Faculdade de medicina; Biblioteca (4)

RUMANIA.

Cernauti.—Universitate Cernauti; Biblioteca (1, 2, 3, 4)
 Cluj.—See under HUNGARY: Kolozsvár.

RUSSIA.

Kiev.—Ukrainian academy of sciences; Library (4)
 Leningrad.—Académie des sciences (1, 2, 3, 4)
 Leningrad.—All-Union institute of experimental medicine (1, 2, 3, 4)
 Leningrad.—Voenno-medicinskaya akademiya (3, 4)
 Moskva.—U. S. S. R. Society for cultural relations with foreign countries (3, 4)

SCOTLAND.

Aberdeen.—Aberdeen medico-chirurgical society (1, 2, 3, 4)
 Aberdeen.—University; Library (1, 2, 3, 4)
 Dundee.—University college; Library (1, 2, 3, 4)
 Edinburgh.—Edinburgh public library (1, 2, 3, 4)
 Edinburgh.—Royal college of physicians of Edinburgh (1, 2, 3, 4)
 Edinburgh.—Royal college of surgeons of Edinburgh (1, 2, 3, 4)
 Edinburgh.—Royal society of Edinburgh (1, 2, 3, 4)
 Edinburgh.—Scotland; Registrar General's office (1, 2, 3, 4)
 Edinburgh.—University of Edinburgh; Library (1, 2, 3, 4)
 Glasgow.—Anderson's college; Medical school (1, 2, 3, 4)

Glasgow.—Mitchell library (3, 4)
 Glasgow.—Royal faculty of physicians and surgeons (1, 2, 3, 4)
 Glasgow.—University of Glasgow; Library (1, 2, 3, 4)
 S. Andrews.—University of S. Andrews; Library (1, 2, 3, 4)

SPAIN.

Madrid.—Academia de medicina; Biblioteca (1, 2, 3, 4)
 Madrid.—Universidad central (1, 2, 3, 4)

SWEDEN.

Göteborg.—Göteborgs stadsbiblioteket (1, 2, 3, 4)
 Lund.—Karolinska universitetet; Universitets-Biblioteket (1, 2, 3, 4)
 Stockholm.—Kungl. Karolinska mediko-kirurgiska institutet (1, 2, 3, 4)
 Uppsala.—Universitets-Biblioteket (1, 2, 3, 4)

SWITZERLAND.

Basel.—Korrespondenzblatt für schweizer Aerzte; Redakteur (1, 2, 3, 4)
 Basel.—Universität; Oeffentliche Bibliothek (1, 2, 3, 4)
 Bern.—Eidgenössisches Gesundheitsamt (1, 2, 3, 4)
 Bern.—Stadtbibliothek (1, 2, 3, 4)
 Genève.—Bibliothèque publique et universitaire de Genève (1, 2, 3, 4)
 Genève.—International labor organization; Library (3, 4)
 Lausanne.—Bibliothèque cantonale et universitaire (1, 2, 3, 4)
 Neuchâtel.—Bibliothèque publique (1, 2, 3, 4)
 Zürich.—Zentralbibliothek (3, 4)

TURKEY.

Istanbul.—Gülhane military hospital library (3, 4)

WALES.

Aberystwyth.—The National library of Wales (1, 2, 3, 4)

YUGOSLAVIA.

Beograd.—Faculty of medicine (1, 2, 3, 4)
 Zagreb.—University of Zagreb; Library (4)

CATALOGUE

IACAPRARO

IBACH

IACAPRARO, Guillermo. *Blenorragia y sulfamidas.* 567p. incl. illust. diag. col. pl. tab. (6 fold.) 26½cm. B. Air. [Impr. Ferrari Huos] 1941.

IACCHIA, Paolo. *Bronchiectasie con speciale riguardo ai rilievi in giovani.* 3 p. l. 151p. 8°. Bologna, L. Cappelli, 1931.

IACOBESCU, Bernard. 1905— *Contribution à l'étude de la bilatéralisation des lésions tuberculeuses au cours du pneumothorax [Paris] 64p. 8°. Kremlin-Bicêtre, M. Boivent, 1932.

IACONO, Igino.
See Boeri, Giovanni, & Iacono, Igino. *Micosi dell'apparato respiratorio.* 163p. 8°. Nap., 1932.

IAGELLO, Georges. 1915— *Un cas d'échec du traitement d'une néphrite chronique hypertensive par décapsulation et résection du ganglion aortico-rénal. 16p. 24cm. Par., A. Lapié, 1939.

IAKIMOV, Vasilii Larionovich. 1869–1940.
[Obituary] Priroda, Leningr., 1940, 29: 110, portr.

IAMPOLSKY, Samuil Moiseevich. 1875—
[Thirty-five years of scientific-pedagogic and social activity] Vrach. delo, 1939, 21: 75.

IANATCHKOVA, Mara. 1909— *Résultats de 128 épreuves du travail; observations de la clinique obstétricale années 1931 et 1932 [Lyon] 93p. 8°. Trévoux, G. Patissier, 1934.

IANCOVICI, Lazar. 1908— *Les causes les plus fréquentes des otites chez les enfants. 80p. 8°. Par., M. Vigné, 1935.

IANCOVICI, Maurice. 1908— *L'ostéomyélite aiguë du maxillaire supérieur chez l'enfant (état actuel de la question) 52p. 8°. Par., Jouve & cie, 1934.

IANCU, Lupu. *Recherches sur les causes d'erreur dans la titration de la vitamine C des urines. 54p. 22½cm. Genève, Impr. Commerce, 1937.

IANISZEWSKI Courbis, Enrique. 1898— *Gangrène et perforation du cæcum; leurs rapports avec la dysenterie amibienne chronique. 89p. 8°. Par., A. Legrand, 1927.

IANKELEVITCH, Jacques. L'agent et le mécanisme de la production du cancer. 211p. 8°. Par., Vigot frères [1935]

IANNI, Raffaële. Ricerche sperimentali sulla circolazione delle vie urinarie; innesti, plastiche, protesi delle vie urinarie. xi, 288p. 10 pl. roy. 4°. Tor., Unione Tipogr., 1910.

IASILLO, Winter O. *Litiasis submaxilar y sublingual. 45p. 26½cm. B. Air., D. Cerosimo, 1939.

IASON, Alfred Herbert. 1891— Hernia: in 3 sections: Historical evolution of hernial surgery; technical; medico-legal aspects. xv, 1325p. incl. illust. tab. diag. form. 27cm. Phila., Blakiston co. [1941]

Iavicoli, I.
See Spanio, A., & Iavicoli, I. *Diabete mellito.* 194p. 8°. Bologna [1932]

IBACH, Erich. 1908— *Die Bedeutung der permanenten Kraftwirkung in der zahnärztlichen

Orthopädie [Münster] 21p. 8°. Bottrop, W. Postberg, 1932.

'IBADI, Hunain ibn Ishâq. 809–873. *Isagogae in tegni Galeni.* 72 l. 4°. Leipzig, Wolfgang [Stöckel] of München, May 27, 1497.

— The book of the ten treatises on the eye, ascribed to Hunain ibn Ishâq (809–77 A. D.) the earliest existing systematic text-book of ophthalmology. The Arabic text edited from the only two known manuscripts, with an English translation and glossary by Max Meyerhof. liii p. l., 227p.; 1 l., 222p.; 3 l. pl. 8°. Cairo, Government press, 1928.

See also Berg-trässer, G. *Hunain ibn Ishâq.* 8° Lpz., 1925. — Neue Materialien zu Hunain ibn Ishâq's Galenbibliographie. 8° Lpz., 1932.

Also Gabrieli, G. *Hunain ibn Ishâq.* Isis, 1923, 6: 282–92. — Meyerhof M. New light on Hunain ibn Ishâq and his period. Ibid., 1926, 8: 685–724.

'IBADI, Ishâq ibn Hunain, —910.

رسالم الشافيه في ادوية النساء
[Risâlat us-šâfiya fi adwiyât un-nisyan] [Efficacious treatise on remedies of the forgetfulness] MS. 913 A. H.

IBANEZ, Joaquín. 1836–1922.
[Biografía] Rev. méd., Puebla, 1942, 15: No. 148, 29–36, portr.

IBANEZ, Pérez. El bromo en las harinas y en los trigos. 14p. 8°. S. Martin, Belgrano, 1936.

IBANEZ Benavente, Abelardo.
For portrait see Bol. Of. san. panamer., 1940, 19: 848, portr.

— & CALVO Vera, Alfredo. Cirugía reparadora de las lesiones de las articulaciones. 2 p. l. 115p. illust. 23cm. La Paz, Pub. Min. defensa nac., 1939.

IBANEZ Benavente, Abelardo, & GOMEZ, Valentín. Cirugía reparadora de las lesiones de los nervios periféricos. 126p. illust. tab. (part fold.) 23cm. [La Paz, Casa Ed. Renacimiento, 1936]

IBANEZ Q., Sergio. *Estudio de las lesiones óseas en las distrofias. 3 p. l. 72p. illust. 26cm. Santiago, Chile, Inst. Geogr. Mil., 1941.

IBBA, Ferruccio. Rapport sur des expériences avec la Smolarina Cremonese. 4p. 8°. Roma, Inst. ital. biol., 1925.

Reprint: Congr. internat. paludisme, 1. Congr.

IBBOTSON, William. 1878— Surgical operations. 3 pts. xxxv, 356p. paged consec. 8°. Lond., Faber & Gwyer, 1926.

IBEL, Alfred. 1912— *Experimentelle Beiträge zur Wirkung von Teilbädern auf die periphere Zirkulation [Würzburg] 16p. 8°. Ochsenfurt, Fritz & Rappert, 1937.

IBELS, Louise. Une journée à l'hôpital; règlement intérieur de l'hôpital auxiliaire. 20 lithogr. (incl. titlepage) 38cm x 50cm. [Par.] Chachoin, 1916.

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2. température
3. arrivée des infirmières

4. visite des docteurs
5. pansements
6. le vendredi: opérations
7. déjeuner des blessés
8. déjeuner des mirrîmes
- 9, 10, 11, jeudi et dimanches: visites
- 12, dimanche et fêtes: concerts
- 13, 14, 15, semaine: occupations diverses
- 16, goûter; relevé de la correspondance
- 17, température
- 18, dîner
- 19, distributions des tisanes; extinction des feux.

IBERIS.

Johnson, V. M. Iberis in cardiac conditions. *Homoeop. Rec.*, 1939, 54: No. 9, 35.

IBIAPINA, A. Pneumotorax bilateral ambulatorio. 228p. incl. illust. pl. 23cm. Rio, Gráfica Olímpica, 1939.

IBN Bāġġa [Avempace] -1138.

Bandelier, A. F. Avempace (Ibn Badsha, or Ibn Badja, called by the scholastics Aven-Pace and Avempace) Arabian philosopher, physician, astronomer, mathematician, and poet *Cath. Encycl.*, N. Y., 1913, 2: 150.

IBN Butlān, Abū'l-Ḥasan al-Muhtār ibn al-Ḥasan ibn 'Abdūn ibn Sa'dūn al-Aridā, -1068. *Liber de judiciis stellarum*. 152 l. fol. Venezia, Erhard Ratdolt, July 5, 1485.

— **مقاله في تدبير الأمراض**

[Maqālat fī tadbīr al-amrāq] [Treatise on management of diseases] MS. ca 1630 A. D.

See also Mahmoud Sedky Bey. Un banquet de médecins au temps de l'Emir Naṣr al-Dawla ibn Marwan (Daawāt ul Aṭibba d'Ibn Batlane) 55p. 8°. Le Caire, 1928.

IBN Ezra [Abraham Judeus]

See Abraham ben Meir ibn Ezra.

IBN Gānāh, Abū'l-Walīd Marwān, ca 985.

The book of Hebrew roots; now first edited, with an appendix, containing extracts from other Hebrew-Arabic dictionaries, by Ad. Neubauer. viii p. 808 columns (i. e. 404p.) 27cm. Oxf., Clarendon press, 1875.

Polyak, S. L. Ibn al-Haitham's description of the eye and of the visual pathway. In his *Retina*, Chic., 1941, 109-13.

IBN Gazla, Sarabbadīn Abū 'Alī Yaḥyā ibn 'Isā, -1100. **منهاج البيان** [Minhāj al-bayān] [Open road of the explanation] MS. ca 1750 A. D.

— **كتاب البيان** [Kitāb al-bayān]

[Explanation] MS. XVII. et.

Abridged version of the previous work.

See Mittwoch, E. P. de Konings Bearbeitung der Heilmittellehre von Ibn Gazla. *Quellen Gesch. Naturwiss. Med.*, 1932-33, 3: H. 4, 85-91.

IBN al-Haiṭam al-Baṣ-ī al-Miṣ-rī, 965-1039.

IBN Ḥārīt al-Coatī, Sulaimān, fl. ca 1159. *Libre de la figura del Uyl* [Text català traduït de l'Arab per Joan Jaume] Ed. Lluís Deztny. 245p. roy. 8°. Barcelona [privately print.] 1933.

IBN Hātimah.

TA HA DINANAH. *Ibn Hatimah; die Schrift von Abi Gā'far Ahmed ibn 'Alī ibn Mohammed ibn 'Alī ibn Hātimah aus Almeriah über die Pest. p. 27-81. 8°. [Lpz.] 1927.

Also *Arch. Gesch. Med.*, 1927, 19: 27-81.

IBN 'Isā 'Alī.

Seeoy, C. Ali Ibn Isa, Das Astrolab und sein Gebrauch. *Isis*, Bruges, 1927, 9: 236-54.

IBN J-hīq, Hunain.

See 'Ibādī.

IBN 'Iwād.

See Kirmānī.

IBN Kitābī, Abū 'Abdallāh Muḥammad ibn Ḥasan. **الوقاية من الأمراض الخطيرة** [Al-wiqāyat min al-amrāq il-ha'fratī] [Protection from important diseases] MS. XVIII. et.

IBN Maymūn, Abū 'Imrān Mūsā, 1135-1204. See Mosch ben Maimum.

IBN Miṭrān ad-Dimiṣqī, Muwaffaqaddīn Abū Naṣr As'ad ibn Abū'l-Faṭh Ilyās ibn Ġirġīs, -1191. **بستان الإطبة وروضة الألبان**

[Bustān al-aṭibbā wa-raudat ul-alubbā] [The garden of medicine] MS. 837 A. H.

IBN Nafīs.

See Quraṣī.

IBN Qifī, 1225-1307.

Seeby Bey, G. Ibn'l Kuff, an Arabian surgeon of the vii. century Alhigra. *J. Egypt. M. Ass.*, 1937, 20: 349-57.

IBN Rabban.

See Tabarī.

IBN Ruṣd, Abū'l-Walīd Muḥammad ibn

Aḥmad ibn Muḥammad, 1126-98. **شرح الألفية** [Sharḥ ul-alfiyatī] [Commentary on the poem of a 1000 distiches (of Ibn Sīna)] MS. 1005 A. H.

— The philosophy and theology of Averroes; tractate transl. from the Arabic by Mohammad Jamil-ur-Reham. 308p. 12°. [Lond., Luzac, 1922]

See also Aristotle. *Libri physici*. Pavia, 1520.

BERGH, S. VAN DEN. *Die Epitome der Metaphysik des Averroes*. 8°. Leiden, 1924.

Also Gabrieli, G. *Biografie e bibliografie di scienziati Arabi; Averroè* (1126-98). *Arch. stor. sc.*, 1924, 5: 156-62.

IBN al-Sā'ig.

See Ibn Bāġġa.

IBN Salām, Sālīh ibn Naṣr Allāh, -1687.

كتاب الطب الجريجوري السعدي [Kitāb ut-tibb ul-ġirġidī ul-kimāyī] [Book of the modern chemical medicine] MS. ca 1090 A. H.

— **غاية الإتقان في الطب** [Gāyat ul-itqān fī't-tibb]

[The extreme perfection in medicine] MS. 1162 A. H.

IBN Sīna al-Qānūnī, Abū 'Alī al-Ḥusain ibn 'Alī, 980-1037. **القانون في الطب** [Al-qānūn fī't-tibb] [The Qanon in medicine] MS. 1005 A. H.

— The same [Hebrew transl. by Josef Lorki and Rabbi Nathan Ham-Meatī] 5v. in 3. fol. Napoli, Azriel ben Josef, Nov. 9, 1491.

— The same. [Transl. by Gerard of Cremona] 632 l. 4°. Venezia, Simon Bevilacqua, July 20 & Nov. 21, 1500.

— The same [Transl. Gerard of Cremona] 454 l. 4°. Venezia, Heirs of Octavianus Scotus, 1505.

— *Liber canonis quartus de egritudinibus particularibus*. 142 l. fol. Venezia, Battista de Tortis, Jan. 24, 1490.

— Fen I lib. I. Canonis. 87 l. 32°. Vicentiae, Franc. Lenius, 1611.

— De anima. 52 l. 4°. Pavia, Antonius Carhanus [ca. 1485]

— **كتاب القولمة** [Kitāb al-qūlamg] [On the colics] MS. XVII. et.

— *Metaphysices compendium*; transl. from Arabian and annotated by Nematallah Caramé. lii, 271p. 8°. Roma, Inst. Orient. Stud., 1926.

— *De viribus cordis*; transl. by Arnoldus de Villa Nova. p.613a-632a. 4°. Venezia, 1500. In his Canon. Venezia, 1500.

— *Canticum de medicina*.

For translation into German by K. Opitz, see *Quellen Gesch. Naturwiss. Med.*, 1937-39, 7: 304-74.

See also Eklehen, F. E. W. *Die abendländischen Avicenna Kommentare. 24p. 8°. Lpz., 1921.

PARIENTE, M. *Avicenne (980-1037) 32p. 8°. Par., 1926.

See also Santa Sofia. *De febribus*. Lyon, 1507.

SOUBIRAN, A. *Avicenne, prince des médecins; contribution à l'étude de sa vie et de sa doctrine. 175p. 8° Par., 1935.

Ali, Z. Avicenna, der Fürst der Aerzte (980-1037) Münch. med. Wschr., 1938, 85: 453.—Dawson, J. B. Avicenna, the prince of physicians. Med. J. Australia, 1928, 2: 751-5.—Ducastel, G. Un médecin philosophe: Avicenne. Vie méd., 1929, 10: 911.—Gabrieli, G. Biografie e bibliografie di scienziati Arabi, Avicenna. Arch. stor. sc., 1923, 4: 258-70.—Giliberti, L. Avicenna. Gazz. med. nap., 1921, 1: 230.—Gruner, O. C. The interpretation of Avicenna. Ann. M. Hist., 1921, 3: 354-57.—Kraus, P. Eine arabische Biographie Avicennas. Klin. Wschr., 1932, 11: 1880-4.—Mayer, C. F. [Medical codices of the Budapest University Library: Cod. 76. Avicenna De viribus cordis] Orv. hetil., 1926, 70: 118-22, 3 pl.—Sayili, A. M. Was Ibn Sina an Iranian or a Turk? Isis, Bruges, 1939-40, 31: 8-24.—Zaki-Ali. Neuvième centenaire d'Avicenne, Prince des médecins. Bull. Soc. fr. hist. méd., 1938, 32: 215-21.

IBN Tibbon, ca. 1190.

Brav, A. A guide to the young physician by a practitioner of the 12. century, the ethical will of Judah Ibn Tibbon, Granada, Spain, 1190 A. D. J. Am. M. Ass., 1929, 113: 638

IBN Tilmid ibn Salâma, Amin ad-Dawla ad-Din Abû'l-Husain Hibatallâh ibn Sa'id,

-1165. الإقربابالين [Al-aqrâbâdîn] [The antidotary] MS. 902 A. H.

IBN Tûmart, -1001.

See Magribî.

IBN Wahshiya al-Kaldânî, Abû Bakr Aḥmad ibn 'Alî, fl. 912 A. D.

Darby, G. O. S. Ibn Wahshiya in mediaeval Spanish literature. Isis, Menasha 1941, 33: 433-8.

IBORG, Helga, 1914—*Spezifische und unspezifische Reaktionen bei Tuberkulose und Krebs [Münster] 16p. 8° Bottrop, W. Postberg, 1937.

IBOS, Pierre, 1900—*L'absence congénitale du fémur. 66p. 8° Par., Imp. Labor, 1927.

IBOTSON, Edward Cecil Brearey, 1873—Partnerships, combinations and antagonisms in disease. 348p. 9 portr. 8° Phila., F. A. Davis co., 1929.

IBRAHIM, Abdul Hay, 1891—*Sur un cas de luxation sous-cotyloïdienne du fémur. 18p. pl. 8° Genève, Impr. Commerce, 1920.

—*Les fractures associées du cou-de-pied et leur traitement. 76p. 8° Par., Jouve & cie, 1926.

IBRAHIM, Georges, 1913—*La réaction de Takata; sa valeur diagnostique et pronostique dans les maladies hépatiques. 87p. 25cm. Lyon, C. Berlioz, 1938.

IBRAHIM, Girgis. *Du curetage explorateur en gynécologie [Genève] 18p. 8° Annemasse, J. Rosnoblet, 1934.

IBRAHIM Hassan Khayat. *La doctrine de Clémébault ou l'automatisme mental. 38p. 20½cm. Lausanne, Jurassienne, 1938.

IBRAHIM-KHALIL, Mohamed, 1914—*Contribution à l'étude des fistules gastro-jéjuno-côliques par ulcère peptique après gastro-entéro-anastomose. 117p. 25cm. Lyon, C. Berlioz, 1938.

IBRAHIM Ramis Aly Bey, 1875-1928. Meyerhof, M. Nekrolog. Münch. med. Wschr., 1928, 75: 1171.

IBSEN, Henrik, 1828-1906.

Tausk, V. Ibsen the druggist. Psychoanal. Q., 1931, 3: 137-41.

ICE.

See also Cold; Freezing; Refrigeration; Temperature; Water.

Alexander, L. T., & Shaw, T. M. Determination of ice-water relationships by measurement of dielectric constant changes. J. Phys. Chem., 1937, 41: 955-60.—Balavoine, P. Observations sur la glace. Mitt. Lebensmitteluntersuch., Bern, 1929, 20: 77.—Beattie, J. A. The thermodynamic temperature of the ice point. In Temperature (Am. Inst. Physics)

N. Y., 1941, 74-88.—Bragg, W. Ice. Proc. R. Inst. Gr. Britain, 1938-39, 30: 283-301, 9 pl.—Burton, E. F., & Oliver, W. F. The crystal structure of ice at low temperatures. Proc. R. Soc., Lond., 1935, ser. A, 153: 166-72, pl.—Cassel, E. J. Ultra-violet absorption of ice. Ibid., 154-41, pl.—Eucken, A., & Schäfer, K. Weitere Untersuchungen über die Anreicherung schweren Wassers im Gletschereis. Nachr. Ges. Wiss. Göttingen, math. phys. Kl., 1934-35, n. F., 1: Chem. &c., 137-46.—Guillien, R. The Cryogenic Laboratory at Leiden. Annual Rep. Smithson. Inst., 1936, 177-84, 5 pl.—Huggins, M. L. Hydrogen bridges in ice and liquid water. J. Phys. Chem., 1936, 40: 723-31.—No evidence of lasting harm due to drinking ice water. J. Missouri M. Ass., 1939, 36: 329.—Procédé de M. Carré pour l'obtention de la glace. J. chim. méd., Par., 1867, 5, s. r., 3: 33.—Qu'est-ce que l'expérience a prouvé incontestablement sur la formation de la glace au fond des rivières des Pays-Bas et ailleurs? Observ. sc. méd., 1823, 6: 206.—Schwarz. Conservation de petites quantités de glace. J. chim. méd., Par., 1865, 5, ser., 1: 535.—Thomas, J. L. Reproducibility of the ice point. In Temperature (Am. Inst. Physics) N. Y., 1941, 159-61.

— dry.

See Carbon dioxide, solid.

— Therapeutic use.

See also Cold, Therapeutic use.

Bunch, G. H. Ischemic necrosis from ice bag burn. Am. J. Surg., 1936, 32: 519-21.—Iess, H. Mechanische Wirkungen des Eises. Med. Klin., Berl., 1933, 23: 1647-9.—How to keep an ice bag in place. Am. J. Nurs., 1938, 38: 770.—Ice packing. Nurs. Times, Lond., 1938, 34: 1393.—Kraikov, V. A., & Mironov, E. I. [Effect of artificial ice] Sovet. vrach, gaz., 1934, 38: 645.

ICE cream.

AYRES, W. E. Homemade ice creams, ices, and sherbets. 15p. 8° Ithaca, N. Y., 1935.

DEFEW, H. F., & DYER, S. W. The manufacture of ice cream. 35p. 8° Durham, N. H., 1925.

TOBEY, J. A. The history of ice cream. [11]p. 8° [n. p.] 1936.

Bentley, L. S., & Watts, B. M. Use of stabilizers in unagitated ice creams. Food Res., 1939, 4: 101-11.—Corbett, W. J., & Tracy, P. H. Preparation of ice cream mixes for home consumption. Ibid., 1938, 3: 637-45.—Ice-cream in history. Nurs. J. China, 1940, 162.—Leighton, A., & Williams, O. E. The basic viscosity of ice-cream mixtures. J. Phys. Chem., 1927, 31: 596-600.—Palmer, L. S. Nutritive value of ice cream. Am. J. Pub. Health, 1929, 19: 601-4.—Tobey, J. A. Health in frozen form. Hygeia, Chic., 1927, 5: 175-7. Also reor.—Tracy, P. H., & Tuckey, S. L. A comparison of gelatin and sodium alginate as stabilizers in ice cream. Food Res., 1939, 4: 335-47.

— Contamination and infection.

LE COQ, A. *Contribution à l'étude des empoisonnements par les gâteaux à la crème. 127p. 8° Par., 1906.

STRAUB, K. *Die bakteriologische Untersuchung des Speiseeises in Tübingen. 13p. 8° Tüb., 1932.

URSCH, W. *Ueber eine nach Genuss von Speiseeis in Ehningen, O.A. Böblingen (Württemberg) und Umgebung entstandene Epidemie von Paratyphus B (Schottmüller) 32p. 8° Tüb., 1935.

Anselmino, K. I. Welche Gefahren bietet das in den Strassen verkaufte Speiseeis? Dent. Zschr. öff. Gesundheitsh., 1927, 3: 144-6.—Bacterial contamination of ice cream. Med. Off., Lond., 1936, 55: 249.—Bardley, D. A. The bacterial content of ice-cream in relation to manufacture, storage and standards of purity. J. Hyg., Lond., 1938, 38: 527-46.—[Case of poisoning with vanilla ice-cream] Ny pharm. tid., Kbh., 1872, 4: 186.—Chiu, Z. Erhebungs der bakteriologischen Untersuchungen der in der Stadt Taihoku käuflichen Eiscreme. Taiwan igakkai zasshi, 1934, 33: 50.—Clayson, D. H. F. Bacteria and ice cream. J. R. San. Inst., 1934, 55: 280-4.—Di Aichelburg, U., & Lorenzola, F. Su di un episodio di avvelenamento collettivo da gelati, a eziologia batterica e chimica. Igiene mod., 1935, 28: 201-4.—Fabian, F. W. Ice cream as a cause of epidemics. Am. J. Pub. Health, 1926, 16: 873-9.—Fay, A. C., & Olson, N. E. The effect of gelatin on the bacterial content of ice cream mix. J. Bact., Balt., 1927, 14: 363-76.—Food poisoning from ice cream on ships. J. Missouri M. Ass., 1936, 33: 14.—Geiger, J. C., Crowley, A. B., & Gray, J. P. Food poisoning from ice cream on ships. J. Am. M. Ass., 1935, 105: 1980.—Hall, I. W., & Needs, F. E. Loopholes for contamination during the making of ice creams. Med. Off., Lond., 1935, 53: 155-7.—Hernando, E., & Alomia, A. An outbreak of food infection due to ice

- cream. Month. Bull. Bur. Health, Manila, 1937, 17: 329-35. — **Kaumi, L.** Ueber Kopfschmerzen beim Genuss von Speiseeis. Mschr. Ohrenh., 1935, 69: 309-21. — **Kile, B. Z.** Should the bacterial count in ice cream be regulated by law? Am. Food J., 1927, 22: 231-3. — **Krog, A. J., & Dougherty, D. S.** Scoops as a source of contamination of ice cream in retail stores. Am. J. Pub. Health, 1937, 27: 1007-9. — **Listmanhof, K. U., Nikitin, A. D., & Krivosheeva, S. P.** [Outbreak of paratyphoid B caused by contaminated ice-cream] J. mikrob., Moskva, 1940, No. 12, 57-64. — **Masslakov, A. I.** [Cases of mass poisoning with ice cream] Gig. eideim., 1929, 8: 26-30. — **Oldenbusch, C., Frobisher, M., jr., & Shrader, J. H.** Thermal death points of pathogenic bacteria in cream and ice cream. Am. J. Pub. Health, 1930, 20: 615-8. — **Porini, V.** Ricerche batteriologiche sopra i gelati. Igene mod., 1929, 22: 144-8. — **Prucha, M. J., & Braunton, J. M.** Viability of Bacterium typhosum in ice cream. J. Bact., Balt., 1926, 11: 27-9. — **Rawlinson, E. G.** A note on the bacterial content of ice-cream. Lancet, Lond., 1926, 2: 1267. — **Roecke, K.** Eine Gruppenkrankung an Typhus durch Speiseeis. Zschr. Hyg., 1936-37, 119: 519-57. — **Rosario-Ramirez, T. V.** Results of the bacterial examination of ice-drops manufactured in Manila. Bull. Nat. Res. Com., Philippine Islands, 1937, No. 12, 123. — **Savage, W.** An ice-cream food poisoning outbreak due to B. dysenteriae Sonne. J. Hyg., Lond., 1938, 38: 331-7. — **Schaeede.** Ueber bakteriologische Speiseeis-Untersuchungen. Med. Welt, 1931, 5: 768. — **Thompson, R.** The isolation of Brucella abortus from ice cream. Canad. M. Ass. J., 1933, 29: 9. — **Typhoid infection from ice cream.** J. Am. M. Ass., 1937, 109: 1929. — **Wildenrath, Bach, F. W., & Sauer.** Speiseeis als Ursache einer Paratyphus-B-Epidemie. Veröff. Med. Verwalt., 1934-35, 41: 618-61. — **Yurakoff, B.** Infektionen und Vergiftungen durch Genuss von Speiseeis. Zschr. Hyg., 1938-39, 121: 438-46.

Examination.

- Braunsdorf, K.** Beitrag zur Untersuchung und Zusammensetzung von Krensch. Zschr. Unters., Lebensmitt., 1936, 71: 160-6. — **Brohm, K., & Frohwein, E.** Nachweis von durch Säuerung entfarbten künstlichen Eisfarbstoffen in Milchspeiseeis. Ibid., 1937, 73: 30-2. — **Buttenberg, P.** Beurteilung von Speiseeis, Rahmeis und deren Halbfabrikaten. Ibid., 1928, 56: 110-18. — **Chalke, H. D.** The chemical and bacteriological examination of ice cream samples. Med. Off. Lond., 1939, 61: 249-52. — **Cream, F. L.** fat deficiency. Brit. Food J., 1940, 42: 71-6. — **Fabian, F. W., Mielke, F. L.** [et al.] Analyzing frozen desserts and ingredients. Am. J. Pub. Health, 1939, 29: No. 2, Suppl., 34: 75-7. — **Fellenberg, T. von.** Zur Bestimmung von Gelatine in Rahmeis. Mitt. Lebensmitt. I. untersuch., Bern, 1934, 25: 246-9. — **Foltz, V. D., & Martin, W. H.** A study of homemade ice cream. Food Res., 1941, 6: 31-8. — **Gronover, A., & Lederle, P.** Vergleichende Versuche zur Bestimmung der Lecithinphosphorsäure in Speiseeis und deren Halbfabrikaten. Zschr. Unters., Lebensmitt., 1929, 58: 418-53. — **Gronover, A., & Tiemann, R.** Beurteilung von Speiseeis, Rahmeis und deren Halbfabrikaten. Ibid., 1927, 54: 183-6. — **Grumbine, C. R., & Halliday, E. G.** Chemical and bacteriological studies on ice cream. Food Res., 1938, 3: 653-8. — **Gundel, M.** Untersuchungen zur Hygiene des täglichen Lebens, das Speiseeis. Deut. med. Wochr., 1937, 63: 1159-63. — **Linden, H.** Ueber Speiseeisuntersuchungen. Münch. med. Wochr., 1930, 77: 1186. — **Halverson, J. O.** The modified budbreak for fat in sweetened dairy products: ice cream. J. Indust. Engin. Chem., 1913, 5: 403-9. — **Kruspe, H.** Ueber Eiskrem. Zschr. Unters., Lebensmitt., 1927, 54: 191-200. — **Mielke, F. L., Gibbard, J.** [et al.] Analyzing frozen desserts and ingredients. Am. J. Pub. Health, 1938, 28: Suppl., 98-100. — **Shrader, J. H., Fabian, F. W.** [et al.] Analyzing frozen desserts and ingredients. Ibid., 1934, 49-51. — **Stoldt, W.** Speiseeisuntersuchungen. Zschr. Unters., Lebensmitt., 1937, 73: 329-37. — **Szanyi, L.** Zusammensetzung von Eispulvern. Ibid., 1935, 70: 204.

Sanitary control.

- Anderson, E. B.** Hygiene of ice-cream production and conservation: the bacteriological aspect of plant cleaning. J. R. San. Inst., 1934, 55: 285-95. — **Bacteriological standards for ice-cream.** Ibid., 1929, 50: 9. — **Bacteriological basis for the effective pasteurization of ice cream.** Am. J. Pub. Health, 1930, 20: 192-4. — **Denes, G., & Denes, R.** Vigilanza igienica sui gelati. Igene mod., 1932, 25: 1-7. — **Di Aichelburg, U., & Lorenzola, F.** Considerazioni igieniche sui gelati. Ibid., 1936, 29: 133-48. — **Fabian, F. W.** The sanitary control of ice cream. Am. J. Pub. Health, 1929, 19: 596-600. — **Ice cream sanitation and control.** Ibid., 1932, 22: 353-9. — **Eyler, H. M.** Cold facts about ice cream. Hygeia, Chic., 1940, 18: 540-2. — **Grim, G. W.** Sanitary requirements in the manufacture of ice cream. Annual Rep. Pennsylvania Ass. Dairy & Milk Inspectors, 1933, 9: 64-71. — **Heuser, G.** Ueber die Herstellung und den Verkehr mit Speiseeis im Strassenhandel. Zschr. Unters., Lebensmitt., 1928, 55: 393-7. — **Hoffmann & Reiske.** Ueber die Notwendigkeit einer gesundheitlichen Überwachung des Speiseeishandels. Zschr. Hyg., Infektkr., 1931, 112: 385-92. — **Ice cream, regulations and standards, manufacturing methods.** Am. J. Pub. Health, 1937, 27: Suppl., 53-62. — **Lampitt, L. H.** Bacteriological and other standards for ice-cream. J. R. San. Inst., 1934-35, 55: 587-91. — **Langevin, E.** Making ice cream safe. Canad. Pub. Health J., 1934, 25: 275-8. — **Maestre Ibanez, M.** La fabricación de cremas heladas y helados de leche. Siglo med., 1933, 92: 130-3. — **Polizeiverordnung des Reichskommissars über den Verkehr mit Speiseeis.** Reichsgesundhbl., 1938, 13: 362. — **Reid, W. H. E.** Ice cream, America's most excellent health food. J. Missouri M. Ass., 1931, 31: 317-9. — **Schaeede & Kappeler.** Missstände bei Herstellung und Vertrieb von Speiseeis durch Strassenhändler. Veröff. Med. Verwalt., 1932, 37: 821. — **School ice cream must pass rigid test.** Pennsylvania M. J., 1936-37, 40: 533. — **Speck, M. L., & Black, L. A.** Effectiveness of cotton-swab methods in bacteriological examination of paper ice cream containers. Food Res., 1937, 2: 559-66. — **Numbers and types of bacteria is listed from paper ice cream containers.** Ibid., 567-89. — **Speiseisverordnung (Zur) Reichsgesundhbl., 1935, 10: 316.** — **Stoldt, W.** Erfahrungen auf dem Gebiet der Speiseeiskontrolle. Off. Gesundh. Dienst, 1936-37, 2: A, 667-71. — **Thierens, V. T.** The need of further legal powers with respect to ice-cream. J. R. San. Inst., 1930, 51: 7-13. — **Thomas, A. T. G.** A note on ice cream. Med. Off. Lond., 1935, 54: 132. — **Verkehr mit Speiseeis.** Reichsgesundhbl., 1936, 11: 567.

Ice industry.

- [Artificial ice]** Ny pharm. tid., Kbh., 1878, 10: 248. — **Berry, A. E.** Ice supplies and associated health problems. Canad. Pub. Health J., 1934, 25: 312-5. — **Gazzi, V.** Sulla presenza dell'ammoniacca e dei nitrati nel ghiaccio artificiale. Ann. igiene, 1933, 43: 272-5. — **Industrie de la glace.** J. chim. méd., Par., 1869, 5. ser., 5: 447-9. — **Linke, F.** Aktiv-Eis, keimfreies Eis durch Elektro-Katadynisierung. Umschau, 1934, 38: 305. — **Marsch, E.** Ein neues Distributionsgerät. Zbl. Gewerbehyg., 1939, n. F., 16: 167. — **Walle, N. van der.** [Control of ice manufacture from water disinfected with caporin, according to directions given at the ice factory of Celebes] Geneskr. tschr. Ned. Indië, 1932, 72: 1759-69.

ICELAND. Bureau de Statistique de l'Islande. Mannfjöldaskýrslur; état et mouvement de la population. Reykjavik, 1911-15; 1926-30.

ICELAND. Hagstofu Islands. Manntal á Íslandi, 1. Desember 1920. 2 pts. 63p.; 2 p. l., 163p. incl. tab. 24½cm. Reykjavik, Gutenberg, 1926-28.

—— Manntal á Íslandi, 2. Desember 1930. 169p. incl. tab. 25cm. Reykjavik, Gutenberg, 1937.

ICELAND.

RIBBING, L. Quelques mesures anthropologiques prises sur 54 jeunes islandais. Sp. 4° Lund [1912]

Bachmann, S. Northern nurses meet in Iceland. Am. J. Nurs., 1939, 39: 1334-7. — **Hannesson, G.** [Condition of medicine in Iceland] Med. rev., Bergen, 1921, 38: 433-46. — **Health in Iceland.** Brit. M. J., 1941, 1: 325. — **Herd, L.** Rassenkundliche und rassenbiologische Zeugnisse im altislandischen Schrifttum. Arch. Rassenb., 1934, 28: 1-38. — **Kayser-Petersen, J. E.** Aerztliches aus Island. Münch. med. Wochr., 1937, 84: 1338. — **Kollath, W.** Island und seine Probleme; eine hygienische Studie über den Einfluss der Umwelt. Veröff. Volksgesundh. Dienst., 1937, 48: 147-267, 16 pl. — **Kvaran, E. S.** Schulleistung und Lebensleistung islandischer Akademiker. Zschr. menschl. Vererb., 1938-39, 22: 456-81. — **Larsen, H.** An old Icelandic medical manuscript. Ann. M. Hist., 1927, 9: 61-73. — **Mühl, A. M.** Medical progress in Iceland. Med. Rev. of Rev., 1930, 36: 717-24. — **Question** (On the medicines in Iceland) Pharm. tid., Kbh., 1864-65, 4: 86, 145. — **Tackmann, K.** [Iceland from a balneological point of view] Ugeskr. læger, 1937, 99: 461.

ICHARD, Louis Jean, 1905-* Les accidents de la vaccination antidiphthérique par l'anatoxine. 43p. 8° Par., L. Arnette, 1934.

ICHNEUMONIDAE.

See also Hymenoptera.

CUSHMAN, R. A. The ichneumon-flies of the genus Brachycyrtus Kreichbaumer. p.17-24. 8° Wash., 1936.

—— New genera and species of ichneumon-flies, with taxonomic notes. p.353-72. 8° Wash., 1940.

Girault, A. A. Records of Australian ichneumon-flies (Hymenoptera) Insulator, Wash., 1925, 13: 35-40. — **Hase, A.** Die Schlupfwespen als Giftträger; zur Kenntnis wirtschaftlich wichtiger Tierfermen. Biol. Zbl., 1924, 44: 209-43. — **Peck, O.** The male genitalia in the Ichneumonidae (Insecta) especially the family Ichneumonidae. Canad. J. Res., 1937, 15: Sec. D, 221-74.

ICHOK, Grégoire, 1892— *Sur la question des chambres d'allaitement. 68p. 8°. Par., N. Maloine, 1927.

ICHTHAMMOL.

See also Thiophen.

Hugo, H. J. Idiosyncrasy to ichthyol. S. Afr. M. J., 1938, 12: 763.—**Ingram, P. T.** Ichthammol tests. Bull. Nat. Formulary Com. U. S., 1938-39, 7: 326.—**M.** Ichthyol. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 7: 418-21.—**Powers, J. L.** Ichthammol; sulfur content requirement. Bull. Nat. Formulary Com. U. S., 1942, 10: 17.

Derivatives.

Filippov, A. N. [Ichthalbin in treatment of eczema, furunculosis and lymphadenitis in children] Klin. med., Moskva, 1930, 8: 1143-50.—**Gralka, R.** Ueber eine neue zweckmässige Ichthyolkombination. Fortsch. Ther., 1927, 3: 546.—**Mertin, L.** Sauroil ein schweizerisches Ichthyol. Korb. Schweiz. Aerzte, 1916, 46: 1614; 1933.—**Niccolai, P., & Donini, A.** Ricerche farmacologiche su un derivato dell'ittio. Rass. fisiopat., 1939, 11: 673-90.—**Ritter, H., & Karrenberg, C. L.** Ueber Ichtoxy. Münch. med. Wschr., 1930, 77: 221-3.—**Samberger, F.** Ichtoxy. Derm. Wschr., 1928, 87: 1445-59.—**Saudek, I.** Ichtoxy. Samberger. Ibid., 1929, 88: 130.—**Schmidt, K.** Ueber die Verwendung von Eutisol-Präparaten in der ambulanten Unfallpraxis. Med. Klin., Berl., 1930, 26: 741-3.—**Wilms, E.** Nicht färbende Schieferölbehandlung mit Eutisol. Med. Welt, 1929, 3: 1153.—**Zlámalová, H.** [Effect of ichthoterpan] Cas. lek. česk., 1931, 70: 1751-4.

Pharmacology.

Fischetti, L. Sulle alterazioni vaginali istologiche da ittio. Gaz. internaz. med. chir., 1932, 40: 310-2.—**Fogliani, U.** Sugli effetti della ingestione di catrame e di ittio. Ibid., 1933, 41: 123-36.—**Mencarelli, L.** Iperplasia epiteliale cutanea da ittio. Arch. sc. med., Tor., 1930, 54: 542-50.—**Merrill, E. C., Whitney, H. A. K., & Powers, J. L.** Revision of the formula for ichthammol ointment. Bull. National Formulary Com. U. S., 1940-41, 9: 315.—**Pincussen, L.** Untersuchungen zum Mechanismus der Ichthyolwirkung. Derm. Zschr., 1931, 62: 258-68.—**Rogers, E. K.** The value of ichthyol in skin diseases. Vet. Bull., Wash., 1924, 14: Suppl., 166.—**Schmitz, E.** Ueber die blutzuckersenkende Wirkung des Ichthyols. Klin. Wschr., 1929, 8: 2371-7.—**Severi, A.** Sulle alterazioni istologiche sperimentali da ittio. Sperimentale, 1930, 84: 457-87.—**Stewart, C. D., Goldman, M., & Obermayer, M. E.** Histologic evaluation of the effects of ichthammol. Arch. Derm. Syph., Chic., 1942, 45: 933-40.—**Urfer, F.** Ueber die hypoglykämische Wirkung des Ichthyols beziehungsweise des ichthyolhaltigen Ichtoterpans. Ausz. Inaugur. Diss. Med. Fak. Univ. Bern, 1933-35, No. 89, 1.—**Wernicke, E. A.** Beitrag zum Mechanismus der Ichthyol-Wirkung. Derm. Wschr., 1933, 107: 1245-55.

Therapeutic use.

See also Dermatology, Therapeutics; Eczema; Furunculosis; Rheumatism; Tuberculosis, etc.

ICHTHYOL; its uses in skin diseases and in minor surgery. 91p. 8°. N. Y. [1924]

Blaisdell, H. J. Is ichthyol useless? the result of a questionnaire answered by 169 dermatologists. Boston M. & S. J., 1926, 195: 155-60.—**Bosch, E.** Die Verwendung des Ichthyols in der Wundbehandlung. Schweiz. med. Wschr., 1937, 67: 138.—**Bühler, H. V.** Das Ichthyol und seine Anwendung in der Chirurgie. Med. Welt, 1941, 15: 12.—**Fauvet, E.** Zur Anwendung von Ichthyol und Eutisol in der Gynäkologie. Med. Klin., Berl., 1931, 27: 251.—**Gerinstein, J. M.** [Parenteral ichthyol therapy of inflammatory diseases of the sexual organs in women] Kazan. med. J., 1940, 36: No. 4, 76.—**Gille, M.** Lichtyotherapie. Rev. prat. biol. appl., Par., 1938, 31: 236-41.—**Gore, R. N.** Ichthyol as a treatment for guinea-worm. Ind. M. Gaz., 1938, 73: 139.—**Kolacova, E. T.** [Ichthyol-ionogalvanization in chronic gynecologic affections] Akush. gin., 1938, No. 3, 36-8.—**Kolosowski, S.** [Intramuscular injections of ichthyol in inflammations of certain organs of the abdomen] Polska gaz. lek., 1932, 11: 714.—**Kovanic, K. H.** [Treatment of angioneurotic dermatitis with Ichtoxy] Cesk. dermat., 1929, 10: 185-92.—**Kushelevsky, B. P.** [Parenteral therapy with ichthyol] Vrach. gaz., 1926, 30: 1172-6.—**Meinichenko, Z. F.** [Parenteral use of ichthyol in some neuropathological conditions] Vrach. delo, 1931, 14: 963.—**Oppenheim, Die interne Behandlung von Hautkrankheiten mit Ichthyol.** Med. Klin., Berl., 1927, 23: 1300.—**Pahl, J.** Behandlungserfolge in der konservativen Gynäkologie mit hellen Ichthyolpräparaten. Deut. med. Wschr., 1936, 62: 1054-6.—**Sézary, A., & Ducourtoux, M.** Tatouage de la joue consécutif à l'application d'une pommade à base d'ichthyol sur une plaie superficielle. Bull. Soc. fr. derm. syph., 1934, 41: 413.—**Sirazyński, A.** Ueber intramuskuläre Ichthyolinjektionen bei der Behandlung von Haut- und Geschlechtskrankheiten. Derm. Wschr., 1926, 82: 818-21.—**Torger, A. O.** Anwendung des Ichthyols und seiner Kombinationen in der Allgemeinpraxis. Fortsch. Med., 1928, 46: 385.

white [Albichthol; Leukichthol]

WIDMER, E. [A. B.] *Therapeutische Versuche mit Leukichthol, einem hellen Ichthyol-Präparat in der Kleintierpraxis. 55p. 21cm. Lpz., 1937.

Parisova, N. M. [Treatment of gynecological diseases by injections of albichthol] Kazan. med. J., 1939, 35: No. 4, 57-9.—**Fraendorfer, R.** Das neue Ichthyol-hell (Leukichthol) in der kleinen Chirurgie. Wien. med. Wschr., 1936, 86: 869-71.—**Giliarevsky, S. A., & Pospelov, S. A.** [Place of albichthol in treatment of internal diseases] Tr. Moskov. gosud. med. inst., 1936, No. 5, 154-60.—**Liebermann, S. L., Kedrov, S. I.** [et al.] [Clinical observations on the therapeutic value of albichthol in dermatology] Sovet. vrach. J., 1936, 1: 496-9.—**Martin, F.** Erfahrungen mit Rheumichthol. Münch. med. Wschr., 1937, 84: 170.—**Naumov, V. M.** [Toxicity of albichthol emulsion in intravenous injections] Farm. & toks., Moskva, 1939, 2: 26-32.—**Nieslony, F.** Helle Ichthyol-Präparate in der konservativen Gynäkologie. Med. Klin., Berl., 1937, 33: 873.—**Rupp, A.** Ichthyol-hell-Präparate in der Gynäkologie. Wien. med. Wschr., 1936, 86: 900-2.—**Samberger, F.** Leukichthol. Derm. Wschr., 1935, 101: 967-9.—**Schwarze, K.** Neuzeitliche Anwendung von Ichthyol-hell als Rheumichthol in der Sportmedizin und beim Rheumatismus. Med. Welt, 1937, 11: 1528-39.—**Skravomyslov, V.** Albichthol et son emploi en gynécologie. Gyn. obst., Par., 1935, 32: 435-49.—**Die parenterale Anwendung von Albichthol (in Verbindung mit Schlammabidern)** Zbl. Gyn., 1935, 59: 880-8.—**Smirnov, G. I.** [Use of albichthol in pediatrics] Peditria, Moskva, 1937, No. 4, 122-5.—**Tietze, H.** Erfahrungen mit Leukichthol, einer weissen Ichthyolsalbe. Deut. med. Wschr., 1936, 62: 1599.—**Unna, P., jun.** Leukichthol. Derm. Wschr., 1935, 100: 54-9.

ICHTHYOBDELLIDAE.

See Rhynchobdellea.

ICHTHYOCEPHALUS.

Almeida, J. L. de. Nouveau nématode parasite de myriapodes du Brésil, Ichthycephalus artigasi, n. sp. C. rend. Soc. biol., 1933, 114: 1193-5.

ICHTHYOCOLLA.

See Isinglass.

ICHTHYOL.

See Ichthammol.

ICHTHYOLOGY.

See Fish.

ICHTHYOPHONUS.

See also Fish, Parasitology.

Daniel, G. E. Studies on Ichthyophonus hoferi, a parasitic fungus of the herring, Clupea herengus. Am. J. Hyg., 1933, 17: 262; 491.—**Ellis, M. F.** Ichthyophonus hoferi, Plehn and Mulsow, a flounder parasite new to North American waters. Proc. Nova Scotia Inst. Sc., 1928-29, 17: 185-92.

ICHTHYOPHTHIRIUS.

See under Ciliata.

ICHTHYOSAURUS.

See also Reptilia.

Merriam, J. C. The skull and dentition of a primitive ichthyosaur from the Middle Triassic. In his Pub. Papers, Wash., 1938, 1: 393-401, pl.

ICHTHYOSIS.

See also Dermatitis, hereditary; Epidermis, Disease; Erythroderma, ichthyosiform; Keratosis; Nevus.

FRESE, W. *Häufigkeit und Verbreitung der Ichthyosis. 26p. 8°. Berl., 1935.

Arreguin, A. Un caso de ictiosis. Medicina, Méx., 1934, 14: 190-4.—**Bangs, C. H.** Ichthyosis. Urol. Cut. Rev., 1930, 34: 613.—**Barron, H. T.** Ichthyosis. In Brit. Encycl. M. Pract. (Rolleston, H.) Lond., 1938, 7: 52-7.—**Blum, P.** Ichtyose. In Nouv. prat. derm. (Darier, Sabouraud, et al.) Par., 1936, 6: 333-51.—**Deitch, Y. E.** Ichthyosis. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 7: 421-5.—**Finnerud, C. W.** Ichthyosis (acquired) report of a case. Med. J. & Rec., 1928, 127: 314-6.—**Fornara, P.** Considerazioni sopra alcuni casi di ittiosi. Clin. pediat., MoL., 1926, 8: 173-86.—**Gougerot, O.** Quelques notions nouvelles de pratique sur l'ichthyose. Rev. gén. clin. théor., 1931, 45: 97-101.—**Guglielmin, T.** Ittiosi rivista

generale e contributo clinico. *Pediatr. prat.*, Mod., 1933, 10: 39-55. Ichthyosis. *Month. J. Foreign Med.*, 1828, 1: 366. **Mullen, L. M.** Ichthyosis. *Canad. Med. Ass. J.*, 1936, 34: 430.

Associated disease.

Frei, W. Kombination von atypischer Ichthyosis und systematisiertem hyperkeratotischen Naevus. *Arch. Derm. Syph.*, Berl., 1921, 134: Orig., 219-24. **Heller, O.** Ueber das Syndrom Ichthyosis und Kryptorchismus. *Med. Klin.*, Berl., 1937, 33: 271. **Marzollo, E.** Ichthyosis vulgaris und Alopecie. *Arch. Derm. Syph.*, Berl., 1936, 174: 171-6. **Olivieri, G.** Ichthyose et hématurie. *J. urol. méd.*, Par., 1927, 24: 150-3. **Simon, I. G., & Syrkis, S. A.** Lupus vulgaris bei einem mit salzloser Diät behandelten Ichthyosiskranken. *Derm. Wschr.*, 1936, 163: 1315-7. **Woodyatt, R. T.** Ichthyosis, fever and effort syndrome. *Tr. Ass. Am. Physicians*, 1935, 50: 105-10.

Clinical aspect.

Foster, P. D. A case for diagnosis; ichthyosis? *Arch. Derm. Syph.*, Chic., 1941, 44: 926. **Gianelli, C., & Mantero, M. F.** Ictiosis nigricans. *Arch. pediat. Uruguay*, 1936, 7: 478-82. **Gougerot & Hamburger.** Ichthyose progressive localisée, réticulée. *Bull. Soc. fr. derm. syph.*, 1935, 42: 1403. **Hartung, J.** Ueber atypische Ichthyosfälle. *Derm. Wschr.*, 1937, 104: 149-58. **Kurihara, Y.** Ichthyosis und ichthyosis-ähnliche Krankheiten; über zwei Fälle von Keratosis parvimaeculata disseminata. *Acta derm.*, Kyoto, 1935, 26: 104-8. **MacLeod, J. M. H.** Note on 2 cases of ichthyosis bullosa. *Brit. J. Derm.*, 1928, 40: 51-8. **Rueda, V. M. A.** Informe sobre el trabajo intitulado Algunas consideraciones sobre un caso de degeneración córnea del glande. *Repert. med. cir.*, Bogotá, 1925-26, 17: 558-63. **Siemens, H. W.** [Ichthyosis bullosa] *Ned. tschr. geneesk.*, 1937, 81: 4743. **Wigley, J. E. M.** Case for diagnosis: localized ichthyosis? *Proc. R. Soc. M., Lond.*, 1938-39, 32: Sect. Derm., 1028.

congenital (Keratosis universalis)

FRANKENHAUS, W. *Die Ichthyosis congenita; ein Beitrag zur Klinik und Kasuistik der Ichthyosis congenita [Berlin] 13p. 8° Lpz., 1926.

GÜCKEL, G. *Ein Beitrag zur Kasuistik der Ichthyosis congenita. 44p. 21cm. Erlangen, 1938.

Also *Arch. Kinderh.*, 1939, 117: 272-7.

SCHNICK, G. *Die elterliche Blutsverwandtschaft bei Ichthyosis congenita [München] 16p. 8° Bonn, 1929.

WAGNER, I. *Ueber Ichthyosis congenita. 28p. 8° Heidelberg, 1926.

WIMMEL, H. *Zur Kenntnis der Ichthyosis congenita. 36p. 8° Göt., 1929.

Astvasaturov, K. R. [Case of squamous lichen in a patient, affected by universal ichthyosis] *Vest. vener.*, 1939, No. 11, 59. **Ataev, A.** [Congenital ichthyosis] *J. akush.*, 1929, 40: 924-7. **Borokhovich, V.** Ein Fall von Ichthyosis congenita. *Zbl. Gyn.*, 1930, 54: 2019-21. **Buzzolo, C.** Un caso di ittiosi congenita. *Clin. pediat.*, Mod., 1932, 14: 737, pl., ch. **Caffier, P.** Zur Frage der Ichthyosis congenita. *Zbl. Gyn.*, 1929, 53: 1757-63. **Eccalle & Suzer.** Revêtement kératosique exfoliant chez un nouveau-né (ichthyose congénitale) *Bull. Soc. obst. gyn. Paris*, 1937, 26: 717. **FRANKENHAUS.** Die Ichthyosis congenita; ein Beitrag zur Klinik und Kasuistik der Ichthyosis congenita. *Mtschr. Kinderh.*, 1926, 33: 310-9. **Fretz, G. P.** [Case of generalized ichthyosis; heredity limited to males] *Genetica, Gravenh.*, 1928-29, 11: 451. **Frizzi, L.** Ittiosi fetale e distrofidismo. *Pathologica, Genova*, 1930, 22: 115-22. **Garzón, L.** Queratoma difuso congénito, ittiosi fetal. *Vida nueva, Habana*, 1940, 45: 206. **Giordano, A.** Studi sulla patologia del feto e del neonato; contributo allo studio morfologico e patogenetico dell'ittiosi fetale. *Gior. ital. derm. sif.*, 1938, 79: 765-89, 4 pl. **Heinrichsbauer, F.** Ueber Ichthyosis congenita (ein Beitrag zur Klinik und pathologischen Anatomie dieser Hauterkrankung) *Zschr. Geburtsh. Gyn.*, 1925-26, 89: 597-605. **Herry, A., & Esch, L.** Ichthyose foetale chez un chien. *Bull. Soc. fr. derm. syph.*, 1937, 44: 325-7. **Kahn, B. L., & Brown, M.** Generalized ichthyosis. *Arch. Derm. Syph.*, Chic., 1937, 35: 754. **Kehrer, E.** Drei Präparate von Ichthyosis congenita. *Klin. Wschr.*, 1927, 6: 283. **Kingery, L. B.** Ichthyosis congenita with unusual complications. *Arch. Derm. Syph.*, Chic., 1926, n. ser., 13: 90-105. **Krzyzowski, J.** [Case of congenital ichthyosis] *Polska gaz. lek.*, 1930, 9: 366. **Lanzenberg, P., & Silber, J.** Ichthyose généralisée; mort en 24 heures avec lésions de congestion des centres nerveux s'accompagnant d'acidose. *Bull. Soc. fr. derm. syph.*, 1931, 38: 288-91. **Mogilnicki, T.** Un cas d'hyperkératose diffuse congénitale (Ichthyosis congenita s. intrauterina s. foetalis) *Rev. fr. pédiat.*, 1926, 2: 350-2, pl. **Mussa, B.** Considerazioni su un caso di ittiosi congenita. *Clin. igiene inf.*, 1931, 6: 395-407. **Nádrai, A.** [Ichthyosis congenita familiaris] *Budapesti orv. ujs.*, 1940, 38: 73-6. **Nishigaki, T.** Four cases of congenital ichthyosis which appeared in family. *Orient. J. Dis. Inf.*, Kyoto, 1933, 14: 73. **Orel, H.** Die Vererbung der Ichthyosis congenita und der Ichthyosis vulgaris; kleine Beiträge zur Vererbungswissenschaft. *Zschr. Kinderh.*, 1929, 47: 312-40.

Pavia, M. Su un caso di ittiosi congenita. *Gior. ital. derm. sif.*, 1934, 75: Suppl., 241-6. **Peluffo, E., & Ferreira Bernutti, P.** Ittiosis congenita. *Arch. argent. pediat.*, 1912, 17: 396. Also *Arch. urug. med.*, 1912, 20: 77. **Roi, A. O. de, & Ipanucci, L.** Consideraciones sobre una observación de ittiosis familiar. *Rev. As. méd. argent.*, 1937, 50: 193-9. **Robinson, P. S.** Congenital ichthyosis; case report. *Southwest. M.*, 1937, 21: 11-1. **Seitz, R. P.** Congenital ichthyosis (collodion skin) California West. M., 1936, 44: 503-3. **Shields, J. J., & Bowman, J. E.** Keratosis diffusa foetalis, ichthyosis congenita; report of case. *Arch. Pediat.*, N. Y., 1910, 57: 756-61. **Siemens, H. W.** Die Ichthyosis congenita parvimaeculata. *Arch. Derm. Syph.*, Berl., 1932, 33, 167: 511-21. — Zur Differentialdiagnose und Prognose der überlebenden Fälle von Ichthyosis congenita. *Ibid.*, 1928, 158: 624-55. — Studien über Vererbung von Hautkrankheiten; Ichthyosis congenita. *Ibid.*, 1929, 158: 111-27. **Smith, S. W.** A case of ichthyosis congenita. *Brit. J. Derm. Syph.*, 1937, 49: 115. **Stewart, R. M.** Congenital ichthyosis, idiocy, infantilism and epilepsy; the syndrome of Rud. J. Ment. Sc., Lond., 1939, 85: 256-63. **Thibaut.** Revêtement kératosique (collodionné) exfoliant chez un nouveau-né. *Bull. Soc. fr. derm. syph.*, 1937, 44: 1840-4. **Trefzer, C.** Ueber einen eigenartigen Fall von Ichthyosis congenita mit Beginn als Exfoliation lamellosa, ohne Missbildungen. *Ann. paediat.*, Basel, 1942, 158: 120-7. **Usari, M.** Ueber einen Sektionsfall von Ichthyosis congenita gravis. *Tr. Soc. path. jap.*, 1940, 30: 501-5. **West, L. S.** Observations on a family manifesting congenital ichthyosis. *Eugen. News*, 1937, 22: 77-85. **Wiersema, M. U.** [Ichthyosis congenita] *Ned. tschr. geneesk.*, 1937, 81: 4761. **Williamson, G. R.** Congenital ichthyosis. *J. Pediat.*, S. Louis, 1931, 5: 484-90.

Etiology.

Boer, P. [Hereditary ichthyosis] *Ned. tschr. geneesk.*, 1932, 76: 1709. **Csász, K.** Rezessiv geschlechtsgebundene Vererbung bei Ichthyosis. *Mtschr. ungar. Med.*, 1928, 2: 180-7. **Forezara, P.** Sopra un caso di ittiosi familiare. *Arch. ital. derm. sif.*, 1925-26, 1: 535-48. **González-Alvarez, M.** Síndrome icético de origen lúctico. *Pediatr. españ.*, 1926, 15: 235-8. **Jauregui, M. A., & Barberousse, C. M.** Caractère héréditaire de la ittiosi familiale. *Arch. pediat. Uruguay*, 1939, 10: 119-3. **Kohari, B. M.** Heredity in ichthyosis. *Ind. M. Gaz.*, 1936, 71: 588. **Lefranc, M.** A propos de l'hérédité de l'ichthyose. *Médecine*, 1910, 4, sér., 44: 79. **Loewenthal, L. J. A.** Hereditary ichthyosis; sailor's skin; multiple rosette ulcers. *Liverpool Med. Clin. J.*, 1930, 38: 123-5, pl. **Navarro, A., Rodero, M., & Peiróti, M. J.** Ittiosis y glándulas endocrinas. *Seu. méd.*, B. Air., 1939, 46: pt 2, 1185-91. **Piscane, C.** Sull'ittiosi familiare. *Arch. ital. derm.*, 1935, 11: 527. **Sieben, H.** Ichthyosis als Folge endokriner Störung. *Derm. Wschr.*, 1932, 94: 710-2. Hypothyreose als Ursache der Ichthyosis. *Med. Klin.*, Berl., 1932, 28: 50. **Sparacio, B.** Sull'ittiosi familiare. *Riforma med.*, 1928, 44: 1037-9. **Spillmann, Weiz & Rosenthal.** Ichtyoses familiares. *Bull. Soc. fr. derm. syph.*, 1933, 40: 1246.

Pathology.

KANDEL, A. *Stoffwechseluntersuchungen bei Ichthyosis. 20p. 8° Münch., 1926.

Artom, M. Keratosis spinulosa ed ittiosi famigliare. *Rass. internaz. clin. ter.*, 1927, 8: 648-56. **Cavallucci, U.** Ittiosi e pseudo-ittiosi cornee; contributo anatomico-clinico e patogenetico. *Arch. ital. derm. sif.*, 1939-31, 6: 385-95. **Cotini, G. B.** Contributi alla patogenesi del sistema emolinfopoietico in malattie cutanee e veneree; comparazione di reperti clinici, ematologici ed istopatologici; manifestazioni ittiosiche. *Haematologia, Pavia*, 1938, 19: 393-407. **Laubenthal, F.** Nervensystem und Ichthyosis; erbologische-pathogenetische Studien an Ichthyosissippen. *Zschr. ges. Neur. Psychiat.*, 1940, 168: 722-67 (microfilm). **Levinski, R. J., & Kass, I. H.** Functional disturbances associated with ichthyosis; case reports. *J. Psychol. Provincet.*, 1942, 13: 173-7. **Porter, A.** Basal metabolism in ichthyosis. *Brit. J. Derm.*, 1926, 38: 475-91. **Sibolotny, S.** Eigenartige Einlagerungen in den Leukocyten bei drei an Ichthyose leidenden Schwestern. *Virchows Arch.*, 1930, 276: 63-76. **Sannicandro, G.** La questione delle ittiosi e dei loro rapporti coi nevi ittiosiformi. *Atti Soc. ital. derm. sif.*, 1933, 1: 1044.

Treatment.

Cedercreutz, A. [Internal and external use of magnesium usta in treatment of ichthyosis] *Fin. lak. säll. hand.*, 1933, 75: 179-81. Also *Münch. med. Wschr.*, 1933, 80: 149. **Gundel, H.** [Ichthyosis treated with metallosal] *Ugeskr. laeger*, 1926, 88: 489. **Kyllin, E.** [Case of advanced ichthyosis treated with pituitary grafting] *Sven. lik. tidn.*, 1938, 35: 1123. **Ljungström, C. E.** Eine einfache und wirksame Therapie bei Ichthyosis. *Acta med. scand.*, 1941, 108: 98-105 (microfilm). Also *Nord. med.*, 1941, 12: [Discussion] 3179 (microfilm). **Malitch, M., & Cousins, R. F.** Di-nitrophenol in treatment of ichthyosis. *Arch. Derm. Syph.*, Chic., 1935, 32: 466.

vulgaris.

KLUSSMANN, E. *Zur Frage der Vererbung bei der Ichthyosis vulgaris [Münster] 21p. 21 $\frac{1}{2}$ cm. Gütersloh, 1938.

Beres, D., & Messeloff, C. R. Ichthyosis vulgaris; report of a case illustrating sex-linked inheritance. J. Mount Sinai Hosp. N. York, 1934, 1: 181-3. —Burroni, U. Contributo clinico allo studio dell'ittiosi volgare dell'infanzia. Clin. igiene inf., 1929, 4: 201-17. —Davies, T., & McGregor, D. A case of hologynic inheritance of ichthyosis vulgaris. Brit. J. Derm. Syph., 1942, 54: 121. —Galeota, A. Su tre casi di ittiosi volgare. Pediatria (Riv.), 1938, 46: 159-70. —Gaté, J., Michel, P. J., & Dugois, P. Ichtyose blanche. Bull. Soc. fr. derm. syph., 1935, 42: 702-4. —Hoede, K. Zur Erbbiologie der Ichthyosis vulgaris. Derm. Wschr., 1937, 105: 1030-2. —Idelberger, K. Zur Erbbiologie der Ichthyosis vulgaris. Ibid., 1932. —Haberler, G. Kasuistische Beiträge zur Erbbiologie der Ichthyosis vulgaris. Ibid., 1944: 361-7. —Kuhlmann, F., & Wagner, D. Ueber Zusammenhänge zwischen Ichthyosis vulgaris und Darmstörungen. Arch. Derm. Syph., Berl., 1939, 179: 639-50. —Laubenthal, F. Ueber den Erbkreis der Ichthyosis vulgaris. Ibid., 675-84. —Lundborg, H. Geschlechtsgebundene Vererbung von Ichthyosis simplex (vulgaris) in einer schwedischen Bauernsippe. Hereditas, Lund, 1927, 9: 45-8. —Nüzawa, S. Ueber drei interessante Fälle von Ichthyosis vulgaris und die neue Behandlungsmethode. J. Orient. M., Dairen, 1937, 27: 29. —Sannicandro, G. La ittiosi volgare e la eritrodermia ittiosiforme congenita sono malattie legate ad una insufficienza delle paratiroidi? Minerva med., Tor., 1935, 26: pt 2, 46-50. —Spindler, A. Hereditary transmission of ichthyosis vulgaris. Urol. Cut. Rev., 1938, 42: 761-3. —Verrotti, G. In che modo si può intendere il rapporto della ittiosi volgare con la sifilide congenita. Rass. clin. sc., 1935, 13: 205-7. —Wojciechowski [Ichthyosis nitida with atypic localization] Przegl. derm., Warsz., 1935, 30: 181.

vulgaris: Hystrix type [Sauroderma]

See also Nevus.

Hadjitheodorou, T. Ueber Ichthyosis hystrix und Ichthyosis congenita gravis. Wien. klin. Wschr., 1938, 51: 783-5. —Houloussy Bedghet. Considérations concernant le problème si l'on doit ou non distinguer les ichthyoses hystrix des ichthyoses vulgaires. Bull. Soc. fr. derm. syph., 1934, 41: 710-6. —McFarland, J. Ichthyosis hystrix in a Chinese; review of the literature. Arch. Derm. Syph., Chic., 1930, 22: 307-17. —Scheer, M. Ichthyosis hystrix. Ibid., 1941, 44: 1127.

vulgaris: Serpentine type.

Bárd, R. [Ichthyosis familiaris serpentina] Bőrgyógy. urol. vener. szemle, 1940, 18: 66. —Child-snake (The) monstrosity which horrifies; sensational case [Edit.] Canad. J. M. & S., 1909, 25: 151. —Gimeno y Rodríguez-Jaén, V. Iconografía clínica de enfermedades de la piel, sífilis y venéreo; icetiosis serpentina. Progr. clín., Madri., 1917, 9: 82, 2 pl. —Skirvanelli N. Ichthyosis serpentina. Ann. paediat., Basel, 1941, 157: 245 (Abstr.) (microfilm) —Wojciechowski [Ichthyosis serpentina] Przegl. derm., Warsz., 1935, 30: 181.

ICHTHYOTOXISM.

See Botulism; Fish, poisonous; Food poisoning. —ICIGSON, Arthur. *Pankreaszysten im Röntgenbild [Basel] 42p. 22cm. Riga, Vards, 1936.

ICKISON, Anna. *Sprachuntersuchungen bei Gaumenspalten [Basel] 35p. 8°. Zür., Buchdr. Berichthaus, 1934.

Also Schweiz. Mschr. Zahnk., 1934, 44:

ICKEN, Ernst, 1904— *Untersuchungen über die vom Auge kontrollierten Leistungen stark schwachsichtiger Menschen [Rostock] 18p. 8°. Pritzwalk, A. Koch, 1934.

ICKERT, Franz, 1883— Staublunge und Staublungentuberkulose. 63p. 8°. Berl., J. Springer, 1928.

Forms Bd I, Tuberk. & ihre Grenzgeb. in Einzeldarst.

— Ueber exogene Reinfekte und die Superinfektion bei Tuberkulose. 67p. 8°. Lpz., J. A. Barth, 1939.

Forms No. 71, Tuberk. Bibl., Lpz.

— & BENZE, Hans. Stammbäume mit Tuberkulösen. 86p. 8°. Lpz., J. A. Barth, 1933.

Forms No. 55, Tuberk. Bibl., Lpz.

ICKERT, Franz, & WEICKSEL, Johannes. Grundriss der sozialen Medizin. ix, 384p. 21 illust. 102 tab. 8°. Lpz., J. A. Barth, 1932.

ICKES, Theodor, 1907— *Die Isolierung der Glycerinphosphorsäure aus fluoridvergifteter Muskulatur [Frankfurt] 11p. 8°. Darmstadt, C. W. Leske, 1933.

ICKOWICZ, Morduch. *Effets cytologiques d'un composé arsenical (arsylène) 48p. 8°. Genève, Impr. Journ. Genève, 1936.

— *Etude comparée des effets de diverses substances introduites dans l'organisme par injection et par ionophorèse [Genève] 27p. 24½cm. Liège, H. Vaillant-Carmanne, S. A., 1937.

I. (The) C. N. [International Council of Nurses] Genève, v.1-4, 1926-29.

Title changed to International nursing review.

ICONOGRAPHIC encyclopaedia of science, literature, and art; systematically arranged by J. G. Heck. Transl. from the German, with additions, and ed. by Spencer F. Baird. Text v.1-4, plates v.1-2. 6v. 26cm.; 24½ x 31½cm. (plates) N. Y., R. Garrigue, 1851-52.

ICONOGRAPHY.

See Graphic art; Illustration.

ICONOLAGNY (incl. Glyptophilia)

See also Autoerotism; Erotica; Fetishism; Infantilism.

Brachfeld, O. Ueber Glyptophilie. Zschr. Sexwiss., 1930, 17: 420-5. —Hoffmann, W. Schundliteratur und Schundfilm. Zschr. pädag. Psychol., 1927, 28: 284-95. —Martens, K. Psychorathie und strafrechtliche Bedeutung unzuchtiger Abbildungen. Zschr. Sexwiss., 1931-32, 18: 17-23.

ICORAL.

PAFFENHÖFER, A. *Untersuchungen über die Wirkung des Icoral bei chirurgischen Eingriffen [Giessen] 31p. 8°. Würzb., 1936.

Action (The) of icoral after spinal anaesthesia. Practitioner, Lond., 1938, 141: 347. —Bremer, H. Icoral, ein neues kombiniertes Kreislauf- und Atemanaleptikum. Zbl. Chir., 1933, 60: 1394-7. —Ercklentz, B. W. Erfahrungen mit Icoral, dem neuer kombinierten Kreislauf- und Atemanaleptikum. Münch. med. Wschr., 1933, 80: 814. —Frank, H. Icoral, ein neues kreislaufwirksames Mittel mit spezifischer Wirkung auf das Atmungszentrum. Dent. med. Wschr., 1933, 59: 764-6. —Kilian, H. Icoral. Klin. Wschr., 1933, 12: 1368-71. —Kobayashi, K. Pharmakologische Untersuchung des Icorals. Jap. J. M. Sc., 1931-35, 8: H. 3. Pharm., 26-8. —Leiter, K. O icoral. Farm. brasil., 1937, 12: No. 46, 7. —Erfahrungen mit Icoral, besonders nach Laryotomien. Med. Welt, 1931, 8: 17. —Regenbogen, E. Klinische Erfahrungen mit Icoral, einem kombinierten Kreislauf- und Atemanaleptikum. Med. Klin., Berl., 1933, 29: 1214. —Schoen, R., & Lemmel, G. Klinische Erfahrungen mit dem neuen Analgetikum Icoral. Klin. Wschr., 1933, 12: 816-8. —Shockaert, R., & Lambillon, J. Quelques considérations complémentaires au sujet de l'action de l'Icoral après rachianesthésie. Bruxelles méd., 1937-38, 18: 1173. —Weese, H. Icoral ein neues Kreislauf- und Atemanaleptikum. Klin. Wschr., 1933, 12: 815.

ICTERIC index.

See Blood, Bile in; Bilirubin—in blood; Icterus.

ICTERO-ANEMIA.

See Icterus, subheadings (Hematology; hemolytic)

ICTERO-HEMOGLOBINURIA.

See also Hematuria—in animals; Hemoglobinuria—in animals; Icterus—in animals; Leptospirosis. For the human type of this syndrome see Hemoglobinuria, nocturnal.

Awrerow, A. A. Einige Ergebnisse der Erforschung der pathologischen Anatomie und Pathogenese des Ikterus infectiosus der Rinder. Zschr. Veterinärk., 1941, 53: 32-40. —Bendixen, H. C., & Carlström, B. Ein Fall von chronischem hämolytischen Ikterus mit intermittierender Hämoglobinurie beim Pferde. Berl. tierärztl. Wschr., 1929, 45: 605-11. —Goussseff, W. F. Zur Frage der Behandlung der infektiösen Gelbsucht der Rinder. Arch. wiss. prakt. Tierh., 1935, 70: 79; 1936, 71: 97. —Rossi, P., & Saunice, L. M. Les microbes anaérobies et notamment le vibrio septicum dans les entérotoxiémies ou icères toxiques graves du cheval. C. rend. Soc. biol., 1939, 130: 511. —Semskow, M. W. Die Aetiologie, klinische Formen und die Enzootologie des Ikterus infectiosus der Rinder. Zschr. Veterinärk., 1941, 53: 7-23. —Sinev, A. V., & Rastegaeva, A. M. [Ictero-hemoglobinuria of the horse] Sovet. vet., 1939, 16: No. 8, 36-8. —Tersikh, V. I. [Etiology of infectious jaundice of cattle] Ibid., 1940, 17: No. 6, 21.

Also J. mikrob. Moskva, 1940, No. 8, 66-9. — **Zemskov, M. V.** [Material of the etiology of infectious jaundice of cattle] Sovet. vet., 1940, 17: No. 6, 22, No. 8, 32.

ICTEROHEPATITIS.

See under Liver.

ICTEROIDES bacillus.

See Bacillus, icteroïdes; Yellow fever.

ICTERUS.

See also Bile, Metabolism; Bile acids, Metabolism; Biliousness; Bilirubin—in blood; Hyperbilirubinemia; Carotinemias; Xanthosis; also in 3. ser. Jaundice.

CARREGA CASAFLOUTIN, C. F. Estudio analítico de las ictericias. 147p. 26½cm. B. Air., 1940.

CARRIÉ, P. A. Les syndromes ictériques. 448p. 8°. Par., 1930.

LUGER, A. P. Gelbsucht; zur Symptomatologie, Differentialdiagnose und Therapie mit Gelbsucht einhergehender Erkrankungen. 93p. 8°. Berl., 1928.

SCHWARZ, E. *Ueber Icterus [Bonn] 27p. 8°. Grevenbroich, 1926.

Agins, J. Jaundice. Rep. Wayne Co. M. Soc., 1933-34, 4: 32-7. — **Ballinger, W. M.** Jaundice. Med. Ann. District of Columbia, 1936, 5: 64-71. — **Farlett, R. F.** The jaundice symptom. Texas J. M., 1937-38, 23: 549-51. — **Black, D. R.** Jaundice. J. Missouri M. Ass., 1933, 30: 366-70. — **Dockus, H. L., & Turner, H. J.** Jaundice. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 8: 168-95. — **Brooks, H.** Jaundice. Proc. Internat. Postgrad. M. Ass. N. America, 1933, 7-11. — **Carr, J. G.** Jaundice. In Rev. Med. (Foshes, B.) Chic., 4. ed., 1940, 117-9. — **Collins, A. J.** Jaundice. Med. J. Australia, 1941, 2: 497-501. — **Fitch, W. F.** Jaundice. Med. J. & Rec., 1933, 137: 204; 228. — **Friedrich, L.** Icterus. Med. Welt, 1928, 2: 211; 254. — **Gauss, J. H. P.** Jaundice. J. Indiana M. Ass., 1936, 29: 316-9. — **Harman, F.** Jaundice. N. Orleans M. Practitioner, Lond., 1934, 133: 584-96. — — — Jaundice in adults. Ibid., 1938, 140: 691-704. — **Haukohl, R. S.** Jaundice. Marquette M. Rev., 1939-40, 3: 154-74. — **Held, I. W., & Goldblum, A. A.** Jaundice. Internat. Clin., 1940, n. ser., 2: 61-85. — **Peyd, C. G.** Jaundice. N. York State J. M., 1937, 37: 841-6. — **Jacchi, H. G.** Jaundice. Ibid., 1940, 40: 1218-27. — **Jaundice.** Clin. Rev. Pittsburgh, 1931-32, 1: Suppl., No. 1, 1-11. — **Fruse, F. H.** Jaundice. Southwest M., 1932, 16: 52-61. Also Pacific Coast M., 1940, 7: No. 2, 3-9. — **Lanberry, H. G.** Jaundice. Med. Times, Lond., 1937, 65: 36. — **Laudau, A., & Held, J.** [Jaundice] In Prace klin. Oddz. chor. wewn. Szpit. Wolski, Warsz., 1932, 75-89. — **McGuire, D. P.** Jaundice. Internat. J. M. & S., 1931, 44: 226. — **McNee, J. W.** Jaundice. In Brit. Encycl. M. Pract. (Folleston, H.) Lond., 1938, 7: 261-77. — **Magner, W.** Jaundice. S. Michael's Hosp. M. Bull., Toronto, 1925-26, 2: 42-7. — **Martin, L.** Jaundice. Internat. Clin., 1934, 44. ser., 1: 19-38. — **Melton, O. C.** Jaundice. J. Arkansas M. Soc., 1926-27, 23: 129-32. — **Mogers, H. G.** Ictericia. Siglo méd., 1934, 93: 430-5. — **Pearson, L. R.** Jaundice. J. Indiana M. Ass., 1935, 28: 489. — **Roberts, S. R.** Jaundice. N. Orleans M. & S. J., 1929-30, 82: 664-71. — **Shuman, J. W.** Jaundice. Med. J. & Rec., 1929, 129: 218. — **Turnen, H. J.** Jaundice. In Cyclop. Med. (Piersol-Bortz) Phila., 1937. Ser. Vol. 94 103. — **Vanc'er Donckt, J.** De l'ictère. Presse méd. belge, 1864-5, 17: 189; 216; 222.

— acholuric familial.

See under Icterus, hemolytic, familial.

— ascitic.

See also Ascites. Causes; Icterus, Pathology; Liver, Cirrhosis; Liver, Hepatitis etc.

ARMAIGNAC, Q. *Syndrome ictéro-ascitique post-traumatique au cours d'un cirrhose hypertrophique. 32p. 8°. Par., 1935.

Braun, I. I. Jaundice with ascites, due to intravenous atophanyl injections. J. M. Ass. S. Africa, 1929, 3: 157. — **Buimer, E.** Toxic jaundice with ascites. Brit. M. J., 1929, 2: 144. — **Cabot, R. C.** Nine months' jaundice; 3 weeks' ascites. Boston M. & S. J., 1927, 116: 916-9. — — — Jaundice and ascites in a boy of 18. Southwest M., 1930, 14: 592-5. — **Cavanagh, J. R.** Jaundice and ascites with recovery; report of a case. Med. Ann. District of Columbia, 1935, 4: 322-4. — **Cherney, W. F.** Jaundice with ascites; a clinical study in differential diagnosis. Am. J. Digest. Dis., 1934-35, 1: 113. — **Cicene, C. H.** Considerations in the management of

jaundice and ascites. J. Missouri M. Ass., 1924, 26: 211-20. — **McCabe, J., & Hart, J. F.** Recovery following jaundice with ascites; report of 2 cases. J. Am. M. Ass., 1935, 105: 859-62. — **Meyer, J., & Learner, A.** Ascites occurring during jaundice, with recovery; report of a case. Ibid., 104: 114-6. — **Pavel, I., & Runcen, I.** De la difficulté du diagnostic pathogénique dans les icteres; curieuse histoire d'un ictere et d'une ascite. Paris méd., 1936, 99: 432-4. — **Ramond, L.** Syndrome ictéro-ascitique. Presse méd., 1937, 45: 339. — **Romano, N.** Síndrome ictero-ascítico en una hepatitis infecciosa. Acción méd., B. Air., 1940, 10: 637-11. Also In his Lec. clín. méd., B. Air., 1940, 4: 5-17.

— Associated syndromes.

Badra, P. Ictericia, glomerulo nefrite a raquitismo tardio em uma criança com inversão visceral total. An. Soc. med. cir. Rio, 1941, 54: No. 4, 75-84. — **Hultqvist, G.** [Thrombosis and jaundice] Hygien. Stockh., 1936, 98: 483-94. — **Snell, A. M.** The differential diagnosis of diseases associated with jaundice. Tr. Kansas City Acad. M., 1933-35, 13-24.

— Bile.

See also Bile subheadings (Chemistry, pathology; Metabolism; Secretion; Disorders) also Icterus subheadings (Bile pigment; Cholesterol)

MATHIVAT, P. A. *La fonction biliaire chez les icteriques. 147p. 25½cm. Par., 1939.

Blavet, M., & Mathieu, J. Relation entre cholestérine et bilirubine dans les icteres. C. rend. Soc. biol., 1930, 103: 878. — **Dun itresco-Mante, Dulivrea, S., & Ionescu-Craiova.** Nouvelles recherches sur l'élimination biliaire, au cours des syndromes ictériques. Arch. mal. app. digest., Par., 1931, 21: 686-702. — **Mathieu, J.** Relation entre la cholestérine et la bilirubine dans les icteres. C. rend. Soc. biol., 1930, 105: 180.

— Bile acids.

See also Bile acids, Metabolism.

Birch, C. A. The treatment of cholemia. Med. Press & Circ., Lond., 1942, 207: 310-2. — **Hejda, E.** [Retention of bile acids in the blood in jaundice and its diagnostic significance] Cas. lék. česk., 1936, 75: 1119-21. — **Josephson, B., & Kaunitz, H.** Ueber die Resorption der Gallensäuren bei experimentellem Icterus. Zschr. ges. exp. Med., 1937-38, 102: 195-201. — **Merengo, G., & Galigani, D.** Metabolismo dei sali biliari negli icteri. Arch. sc. med., Tor., 1936, 61: 677-700. — **Zanetti, L.** Colemia e ipertermia passiva; ricerche sperimentali. Med. sper., Tor., 1940, 6: 183-98.

— Bile pigment (incl. Bilirubin)

See also Bile pigment; Bilirubin, Estimation; Bilirubin—in blood; Hyperbilirubinemia.

BALÁZS UNGAR, O. *El valor de la bilirubinemia, por el método de Chabrol, en los sindromas subictéricos e ictericos [Chile] 32p. 26½cm. Santiago, 1940.

EHRlich [M.] G. *Vergleichende Untersuchungen über die Höhe des Bilirubinspiegels in Blut und Harn bei verschiedenen Formen der Gelbsucht. 36p. 8°. Lpz., 1926.

FRANCÈS, E. *L'élimination de la bilirubine au cours des différents icteres. 67p. 8°. Par., 1934.

HAUSDÖRFFER, H. *Vergleichende Acetonkörper- und Bilirubinbestimmungen im Blut bei Icterus-Kranken. 21p. 8°. Bresl., 1930.

Aschoff, L. Ueber die Bildung des Farbstoffs im Blute bei der Gelbsucht. Arch. Inst. biol., S. Paulo, 1940, 11: 21. — **Beutel, A., & Heiermann, J.** Ueber die Beeinflussung des Bilirubinspiegels im Blute bei Icteruskranken durch Änderungen der Blutkonzentration. Zschr. klin. Med., 1928, 107: 693-9. — **De Castro, U.** Il valore semeiologico dell'iperbilirubinemia in negli statii icterici. Riv. clin. med., 1930, 31: 65-104. — **Esculier, C., Esculier, J., & Morassi, A.** Un nuevo caso de bilirrubina cetero-extrañe en el suero de un icterico. Arch. Soc. biol. Montevideo, 1937-38, 8: 77. — **Faltis, Lek, J.** Ueber die Beziehungen zwischen Gallenfarbstoffgehalt des Blutes und Harns bei den verschiedenen Icterusformen. Mitt. Ges. inn. Med. Wien, 1935, 34: 101. — **Fleissinger, N., & Castérán.** La réaction directe au diazonium comme élément de classification des icteres. C. rend. Soc. biol., 1925, 92: 71-3. — **File, E.** [Circulation of biliary pigments in jaundice] Cas. lék. česk., 1934, 73: 1451-4. — **Franko, K.** Klinische und lebendige mikroskopische Untersuchungen der gestörten Leberfunktion; Gallenfarbstoffuntersuchungen bei Lebererkrankungen mit Icterus. Zschr. klin. Med., 1936, 130: 193-221. — **Heilbrun, N., & Hubbard, R. S.** The measurement of the chloroform-soluble fraction of bilirubin in persons with jaundice and its significance. J. Lab. Clin. M., 1940-41, 26: 576-81. — **Hijmans van den Bergh, A. A., Muller, P., & Verbeek, A. G. M.** Ueber die sogenannte Hau-Reaktion beim Icterus. Deut. med.

Wschr., 1930, 56: 1693-5. — **Hollés, L.** [Bilirubin icterus] Orv. hetil., 1929, 73: 766-8. — **Ritossa, P.** Contributo alla diagnosi differenziale degli itteri mediante il dosaggio separato delle due bilirubine. Baglivi, 1936, 2: 133-51. — **Salvio Mendonça.** Perturbações no metabolismo da bilirubina, etiopatogenia das ictericias. Prasil med., 1934, 48: 679-84. — **Stein, H. B.** The Van den Bergh reaction with particular reference to obstructive and hepato-cellular jaundice. S. Afr. J. M. Sc., 1941, 6: 104-15. — **Taborda Martín, E.** La reacción de Van den Bergh en las ictericias. Guatemala méd., 1941, 6: No. 11, 13-5. — **Varela-Fuentes, B., Apolo, E., & Viara, C.** Résultats obtenus avec la nouvelle méthode pour le dosage séparé des bilirubines directe et indirecte dans les sérums icteriques. C. rend. Soc. biol., 1931, 108: 1014-6. — **Varela-Fuentes, B., & Canzari, R.** La diazo-reacción jauna anormal de algunos sérums ictericos. Sang. Par., 1939, 13: 101-6. Also in Libro de oro M. R. Castex, B. Air., 1939, 3: 1427-43. — — & **Viara, C.** Sobre una forma anormal de la diazo-reacción en el suero de ictericos queéricos graves. Relat. Congr. argent. cir., 1937, 9. Congr., 306-13. — **Varela-Fuentes, B., & Recarte, P.** Nouvelle technique simplifiée pour le dosage séparé des 2 bilirubines, directe et indirecte, des sérums icteriques. C. rend. Soc. biol., 1934, 116: 1193-6. — — & **Feculies, J.** A éthode simplifiée pour la séparation et le dosage isolé des 2 bilirubines, directe et indirecte, du sérum sanguin dans les icterés. Ibid., 1931, 108: 1009-13. — **Varela-Fuentes, B., & Viara, C.** De la nature de la bilirubine éthéro-extractible de quelques sérums icteriques. Ibid., 1933, 114: 789-92. — — — — — Résultat du dosage isolé des 2 bilirubines, directe et indirecte, du sérum, dans les icterés aigus à évolution froide (ictères catarrhaux, icterés néoplasiques, cholestécho-lithiasis, sans infection) Ibid., 1934, 115: 1657-61. — — — — — Les bilirubines, directe et indirecte, du sérum dans les icterés aigus fébriles et dans les icterés chroniques; valeurs données par leur dosage séparé. Ibid., 116: 1187-92. — — — — — & **Rubino, M. C.** Della natura della bilirubina etero-extractibile di alcuni sieri icterici. Eichem. ter. sper., 1935, 22: 213-9. — **Vodinsky, M. A.** [Hymans van den Bergh's color reaction in differential diagnosis of jaundice in autopsies]. Klin. med., Moskva, 1929, 7: 35-40. — **Weltmann, O.** Das Ikterisproblem unter besonderer Berücksichtigung des Verhaltens des Bilirubins. Wien. klin. Wschr., 1929, 42: 811-3.

— Blood.

See also other subheadings (Hematology; Metabolism)

GÜRSCHING, J. *Ueber eine photodynamische Reaktion im ikterischen Serum [München] 24p. 8°. Berl., 1928.

SCHULER, B. *Spektrophotometrische Untersuchungen am Blut von Kranken mit Ikterus und Infektionskrankheiten [München] 31p. 8°. Borna-Lpz., 1929.

Achard, C., Lévy, J., & Georgiakhakis, N. Tension superficielle des sérums icteriques. C. rend. Soc. biol., 1933, 113: 805-7. — **Anderson, R. G.** The plasma phosphatase in jaundice. S. Parth. Hosp. Rep., Lond., 1935, 68: 221-8. — **Angeleri, C., & Pescarmona, M.** La fosfatasi del siero di sangue nell'ittero. Minerva med., Tor., 1939, 30: 425-30. — **Armstrong, A. R., & King, E. J.** Serum phosphatase in toxic and haemolytic jaundice. Canad. M. Ass. J., 1935, 32: 379-83. — **Bodansky, A., & Jaffe, H. L.** Serum phosphatase, bilirubin, and cholesterol in experimental jaundice. J. Biol. Chem., 1935, 109: p. x. — **Cantarow, A.** The influence of icteric sera with high phosphatase activity on the phosphatase activity of normal sera. Am. J. Clin. Path., 1940, 10: 858-63. — — & **Nelson, J.** Serum phosphatase in jaundice. Arch. Int. M., 1937, 59: 1045-50. — **Cantarow, A., Stewart, H. L., & McCool, S. C.** Serum phosphatase in cats with total bile stasis. Proc. Soc. Exp. Biol., N. Y., 1936, 35: 87-9. — **Coppo, M.** Sulla tensione superficiale del siero nell'ittero per ritenzione. Bull. Accad. med. Roma, 1936, 62: 111-3. — **Freeman, S., Yen Ping Chen, & Ivy, A. C.** On the cause of the elevation of serum phosphatase in jaundice. J. Biol. Chem., 1938, 124: 79-87. — **Greene, C. H., Shattuck, H. F., & Kaplowitz, L.** The phosphatase content of the blood serum in jaundice. J. Clin. Invest., 1934, 13: 1079-87. — **Herbert, F. K.** The plasma phosphatase in the various types of jaundice. Brit. J. Exp. Path., 1935, 16: 365-75. — **McArdle, B.** The serum choline esterase in jaundice and diseases of the liver. Q. J. Med., Oxf., 1940, 9: 107-27. — **Payne, W. W.** The plasma phosphatase in jaundice in children. Proc. R. Soc. M., Lond., 1938-39, 32: Sect. Ther. Pharm., 1265-7. — **Varela-Fuentes, B., Munilla, A., & Duomarcio, J.** Modificación du ghratation du sang et du foie dans les icterés. C. rend. Soc. biol., 1932, 111: 553. — **Varela-Fuentes, B., Apolo, E., & Escuties, J.** Glutacón de la sangre en el curso de las ictericias humanas. Arch. Soc. biol. Montevideo, 1930-32, Suppl., 1068-72.

— cardiac.

See also Heart failure; Icterus, hepatic; Liver cirrhosis.

Armentano, L., & Fentsáth, A. [Jaundice in heart failure] Orv. hetil., 1935, 79: 870-2. — **Boia, B.** La génesis de la ictericia clínica en las cardiopatías. Rev. argent. card., 1934-35, 1:

292-7. — **Ernstene, A. C.** Jaundice in heart disease. Med. Clin. N. America, 1932, 15: 1005-13. — **Meakins, J.** Distribution of jaundice in circulatory failure. J. Clin. Invest., 1927-28, 4: 135-48, pl. — **Menne, F. R., & Mason, D.** Jaundice following cardiovascular disease. Northwest M., 1937, 36: 277-82. — **Otterberg, R.** Jaundice in heart failure. In Contr. Med. Sc. (E. Libman) N. Y., 1932, 3: 917-23. — **Stebbins, H. D.** Congestive heart failure with rapid onset of severe jaundice and later death. N. England J. M., 1933, 209: 251-4.

— Cardiovascular system.

See also Bile acids, Effects, cardiovascular; Heart rate, Bradycardia.

Dumitresco-Mante, Dulugea & Ionesco-Craiova. Bradycardie icterique avec hypertassiémie. C. rend. Soc. biol., 1931, 106: 116. — **Geill, T.** [Studies on jaundice; occurrence of bradycardia and hypotension] Hospitalstidende, 1930, 73: 749; 761. — **Hayasaka, E., & Inawashiro, T.** Ueber den Gasto-wechsel und die dynamische Funktion des Herzens bei Ikterus. Tohoku J. Exp. M., 1932-33, 20: 583-90. — **Kirkegaard, C.** [Etiology of bradycardia in jaundice] Hospitalstidende, 1930, 73: 767-71. — **Langeron, L.** Auricular flutter au cours d'un ictere grave. C. rend. Soc. biol., 1928, 99: 229. — **Meakins, J. C.** Jaundice and blood pressure. Med. Clin. N. America, 1932, 16: 715-29. — **Meier, M. S.** Elektrokardiogrammveränderungen beim Ikterus. Schweiz. med. Wschr., 1941, 71: 679-82.

— Casuistics.

Berr, D. P. Cases of jaundice. Proc. Interst. Postgrad. M. Ass. N. America (1930) 1931, 6: 476-81. — **Covall, W. E.** Case of jaundice. Q. Bull. Indiana Univ. M. Center, 1941, 3: 30-2. — **Fredbärj, T.** An unusual case of jaundice for diagnosis Acta paediat., Ups., 1932-33, 14: 205-7. — **Hamman, L., & Rich, A. R.** Clinical pathological conference; two instances of jaundice. Internat. Clin., 1933, 43, ser., 3: 230-52. — **Jaundice** associated with chills, fever, dyspnea, and precordial pain. Tufts M. J., 1941-42, 8: 105-7. — **Jump, H. D.** Jaundice; with histories of 9 typical cases. Med. Clin. N. America, 1928-29, 12: 987-1000. — **Starlinger, F.** Lehren aus dem Krankheitsablaufe von 75 Gelbsuchtsfällen. Wien. med. Wschr., 1939, 89: 83-5. — **Wilkinson, S. A.** Report of 3 unusual cases of jaundice. Surg. Clin. N. America, 1932, 12: 599-609.

— catarrhal.

See Icterus, infectious, common.

— Cholesterol.

See also Blood cholesterol; Cholesterol.

Alessandri, H., & Ducci Claro, H. El colesterol sanguíneo y sus esterios en el diagnóstico diferencial de las ictericias. Rev. méd. Chile, 1941, 69: 236-9. [Discussion] 27. — **Ghose, A. C.** The cholesterol content of blood in Indians and its significance in jaundice. Ind. J. M. Res., 1933, 20: 883-8. — **Melnotte, P.** Ictères et cholestérolémie. Paris méd., 1937, 105: 329-37. — **Petunin, I. A.** [Peculiarities in the development of cholesterinemia in experimental and mechanical jaundices; cerebral origin of cholesterinemia] Bull. eksp. biol. med., 1940, 9: 377-9. Also Bull. biol. méd. exp. URSS, 1940, 9: 463-5. — **Radvan, I., & David, P.** Les aspects du cholesterol sanguin dans les icterés bénins. Rev. st. méd., Bucur., 1938, 27: 724-40. — **Velasco Suárez, C., & Etcheverry, M.** Resistencia globular y coesterinemia en las ictericias. Prensa méd. argent., 1930-31, 17: 823-6. — **Wilkinson, S. A.** Cholesterol metabolism in jaundice. Tr. Am. Gastroenter. Ass., 1936, 39, meet., 2-6. Also Am. J. Digest. Dis., 1936-37, 3: 618-22.

— chronic.

See also other subheadings (hemolytic; hepatic, chronic)

Brulé, S. Sur le diagnostic des icterés chroniques. Rev. prat. mal. pays chauds, 1927, 7: 149-70. — **Denk, W.** Erfolge der chirurgischen Behandlung des chronischen Ikterus. Wien. klin. Wschr., 1931, 47: 1153-6. — **Monod, R. C.** Un cas d'ictère chronique traité par cholestérostomie: exploration lipidolée de la voie principale. Bull. Soc. nat. chir., Par., 1929, 55: 533-41. — **Okineze, J., & Parturier, G.** Deux observations d'ictère chronique. Rev. méd. chir. mal. foie, 1933, 8: 185-95. — **Teciz, R. M.** A propos d'ictères chroniques. Helvet. med. acta, 1938, 5: 671-4. — **Trémolières.** Diagnostic des icterés chroniques. Rev. méd., Par., 1929, 46: 305-22. — **Urrutia, L.** Ictericas crónicas: diagnóstico y tratamiento. Arch. med. Madr., 1925, 20: 385-400.

— Classification.

See also subheadings (Diagnosis; Pathogenesis)

KAPS, M. *Ueber atypische Ikterusfälle. 28p. 8°. Würzb., 1935.

Bruggsch, T. Entstehung und Formen des Ikterus. Med. Klin., Berl., 1932, 28: 463-6. — **Corsonello, P.** La classifica degli itteri. Fol. med., Nap., 1926, 12: 144-8. — **D'Hondt, H.** Analyse des icterés. Rev. méd. Louvain, 1919, 145-56. —

Dominici, G. Sistemazione clinica degli itteri. *Riforma med.*, 1935, 51: 1629. — **Forley, R.** Jaundice, a classification and digest of treatment. *Tufts M. J.*, 1939, 40, 6: 58-60. — **González Carneiro, E.** Ictericas raras. *Rev. As. méd. argent.*, 1937, 51: 303-6. — **González Olacoea, M.** Clasificación clínica de las icterias. *Crón. méd.*, Lima, 1930, 47: 102-12. Also *Rev. sudamer. méd. chir.*, Par., 1930, 1: 163-73. — **Held, I. W., & Goldblum, A. A.** Jaundice: classification, differential diagnosis, and treatment. Beth Israel and Metropolitan Hospital, Internat. Clin., 1940, n. ser. (3) 1: 53-114, pl. — **Hortolomei, N., & Pavel, L.** Document pour une nouvelle classification des icteres avec une contribution aux indications opératoires. *Presse med.*, 1933, 41: 421. — **Kasmanayan, E.** [Pathogenesis and classification of jaundice] *Archi. delo*, 1926, 9: 122-5. — **Kremer, M.** The classification of jaundice with details of some of the causes of this condition. *Postgrad. M. J.*, Lond., 1940, 16: 11-7. — **Lambin, P.** Classification et traitement des icteres. *Rev. méd. Louvain*, 1932, 1-8. — **McNee, J. W.** The classification of jaundice. *Proc. R. Soc. M.*, Lond., 1933, 26: 577. — **Mandelstamm, M. E.** [Peculiar form of constitutional jaundice] *Ter. arkh.*, 1935, 13: 27-10. — **Micheli, F., Dominici, G., & Alodi, A.** Sistemazione clinica e diagnosi degli itteri. *Ann. med. nav.*, Roma, 1936, 42: 39-42. Also *Studium*, Nap., 1936, 26: 16. — **Otomo, T.** Die klinischen Studien über die akute Hepatopathie: pathogenetische Klassifikation der Patienten des Icterus. *J. Orient. M.*, Dairen, 1939, 31: 115. — **Poulin, J. E., jr.** Different forms of jaundice and their significance. *Proc. Interst. Postgrad. M. Ass. N. America*, 1932, 7: 331-4. — **Solé, R.** Ictericas: clasificación y tratamiento. *Sem. méd. B. Air.*, 1936, 43: 1197-219. — **Triger, V. A., & Levin, R. I.** [Difficulties in classification of jaundice] *Klin. med.*, Moskva, 1927, 5: 309-2. — **Tripoli, C. J., & Fader, D. F.** The differential diagnosis of liver disease and the classification of jaundice. *N. Orleans M. & S. J.*, 1940-41, 93: 13-8.

Clinical aspect.

See also other subheadings (Gynecological aspect; Surgical aspect)

Barr, D. P. Significance of jaundice. *Proc. Interst. Postgrad. M. Ass. N. America* (1930) 1931, 6: 555-9. — **Bauer, R.** [Ikterusproblem in der Klinik] *Wien. klin. Wschr.*, 1926, 39: 1467; 1927, 40: 11, 4, Sonderb., 1-16. — **Beretta, A.** La itterizia considerate nella pratica. *Pensiero med.*, 1934, 23: 145-57. — **Blankenhorn, M. A.** The clinical significance of jaundice. *Ann. Int. M.*, 1927, 1: 74-9. Also *J. Am. M. Ass.*, 1930, 95: 1066-8. — **Blankenship, R. C.** Medical aspects of jaundice. *West Virginia M. J.*, 1931, 27: 385-91. Also *Wisconsin M. J.*, 1931, 30: 619-24. — **Boyer, S. H.** Jaundice problems. *Minnesota M.*, 1930, 13: 169-71. — **Brown, A. E.** Clinical aspects of jaundice. *Southwest M.*, 1936, 20: 421-6. — **Christian, H. A.** The significance of jaundice. *Proc. Interst. Postgrad. M. Ass. N. America*, 1931, 211: 1938, 13. — **Cohn, I.** The jaundiced patient. *Am. J. Surg.*, 1935, 30: 266-76. — **Collier, C.** Clinical aspects of jaundice. *J. Tennessee M. Ass.*, 1928, 29, 21: 86-9. — **Crevel, S. van** [Jaundice in children, especially in infants] *Geneesk. gids*, 1941, 19: 40; 60. — **Deaver, J. B., & Burden, V. G.** The significance of jaundice. *Proc. Interst. Postgrad. M. Ass. N. America* (1927) 1928, 3: 464-8. — **Gorman, J. J.** Jaundice, a symptom of significance. *Southwest M.*, 1938, 22: 318-22. — **Hampson, A. C.** Jaundice in childhood. *Brit. M. J.*, 1931, 2: 932-6. — **Held, I. W., & Kramer, M.** Clinical interpretation of jaundice based on physiologic principles. *Ann. Int. M.*, 1932, 6: 207. — **Jaundiced (The) patient.** *Physician's Bull.*, 1941, 6: 131-4. — **Keefer, C. S.** Jaundice; its clinical significance. *Med. Clin. N. America*, 1932, 15: 929-50. — **Lins, F.** As icterias na clinica. *Fol. med.*, Rio, 1928, 9: 77. — **Lor bardi, S. L.** A consideration of jaundice. *Hahnemann. Month.*, 1939, 74: 198-217. — **McIntosh, R.** Jaundice as a paediatrician sees it. *Canad. M. Ass. J.*, 1941, 45: 488-95. — **McVicar, S. C., & Fitts, W. T.** Clinical aspects of jaundice. *J. Am. M. Ass.*, 1927, 89: 2018-21. — **Martin, W. B.** The clinical aspects of jaundice. *Virginia M. Month.*, 1940, 67: 742-8. — **Melson, O. C.** Jaundice as a symptom. *South. M. J.*, 1935, 28: 271. — **Miano, A.** Le insidie prognostiche dell'ittero benigno. *Riforma med.*, 1933, 49: 1075. — **Monés, G.** El problema de las icterias. *Dia méd.*, B. Air., 1932-33, 51: 599. — **Mullin, H.** Clinical significance of jaundice. *Elect.*, M. J., 1937, 97: 51-8. — **Ravdin, I. S.** The problem of the jaundiced patient. *Med. Today*, 1938, 1: 5. — **Riesman, D.** Clinical causes and diagnostic and prognostic significance of jaundice. *Tr. Am. Gastroenter. Ass.* (1926) 1927, 29: 189-202. Also *Am. J. M. Sc.*, 1927, 173: 668-82. — **Sanders, R. L.** Jaundice: diagnosis, treatment, and prognosis. *South. Surgeon*, 1936, 5: 50-9. — **Schiff, L.** The clinical significance of jaundice. *Ohio M. J.*, 1936, 32: 401-5. — **Schöndube, W.** Ikterusprobleme. *Med. Welt*, 1937, 11: 601-3. — **Sheldon, L. B.** Jaundice, its clinical significance and management. *Texas J. M.*, 1934-35, 30: 627-31. — **Snell, A. M.** The clinical application of recent studies on jaundice. *Surg. Gyn. Obst.*, 1926, 42: 528-35. — **Snelling, C. E.** Jaundice in children. *Bull. Acad. M. Toronto*, 1936, 9: Nov. 4, 93-9. — **Steen, R. E.** Jaundice in infants. *Practitioner*, Lond., 1938, 140: 705-12. — **Weiss, S.** Medical and surgical jaundice with a consideration of liver deaths. *Internat. Clin.*, 1938, n. ser., 1: 96-114. — **Wiseman, B. K.** The clinical interpretation of jaundice. *Proc. Postcoll. Clin. Assnib. Coll. M. Ohio Univ.*, 1937, 4: 11-3.

common.

See Icterus, infectious, common.

congenital.

See Icterus, neonatal.

Differential.

See also Bile-duct, common; Obstruction; Bile-ducts, Diseases; Diagnosis; Gallbladder, Disease; Diagnosis; Liver, Disease; Diagnosis.

Brugsch, T. Zur Analyse des Ikterus. *Deut. med. Wschr.*, 1929, 55: 687. — **Cobb, D. H.** Jaundice. *South. M. & S.*, 1927, 89: 18-22. — **Diagnóstico de las icterias.** *Dia méd.*, B. Air., 1935, 7: 1597. — **Elton, N. W.** The pathologic physiology of icterus; the detection of jaundice. *Rev. Gastroenter.*, 1935, 2: 331-4. — **Emrys-Roberts, R. M.** A note on Courvoisier's Law. *S. Thomas Hosp. Gaz.*, Lond., 1942, 40: 88. — **Eusterman, G. B.** Errors in the diagnosis of diseases associated with jaundice; observations based on 533 cases verified by operation or necropsy. *Ann. Int. M.*, 1932, 6: 608-21. — **Fredbärj, T.** [Diagnosis of an unusual case of jaundice] *Hygien. Stockh.*, 1932, 94: 568. — **Gamma, C.** Sintesi di diagnostica medica. *Minerva med.*, Tor., 1933, 24: 336-42. — **Glass, J.** [Diagnosis of jaundice] *Polsk. arch. med. wewn.*, 1936, 14: 340-99. — **Gould, E. P.** This puzzling jaundice. *Middlesex Hosp. J.*, 1937, 37: 9-12. — **Hollés, L.** [Importance of diagnosis in jaundice] *Budapesti orv. ujs.*, 1938, 1009: 14. — **Ivanishevich, O., & Martiarena, L. H.** Semiología práctica; diagnóstico de las icterias. *Bol. Inst. clín. quir.*, B. Air., 1937-38, 13: 334-8. Also *Sem. méd.*, B. Air., 1937, 44: pt 2, 361-4. — **Ivanishevich, O., & Tantiuri, C. A.** Standardización del estudio de los ictericos. *Rev. As. méd. argent.*, 1935, 49: 302-7. — **Maciel Crespo, F. A., Vanni, E., & Amioti, E.** Dificultades diagnósticas en un caso clínico. *Ibid.*, 1940, 54: 717-9. — **Marcus, I. H.** Jaundice laboratory sheet; a convenient form for tabulating data. *Med. Rec.*, N. Y., 1941, 153: 269. — **Martin, L.** Jaundice; methods of diagnosis and treatment of its causes. *Bull. Johns Hopkins Hosp.*, 1936, 59: 78-98. Also *Vida nueva*, Habana, 1937, 40: 124-42. — **Mayerhofer, E.** Meine Regel der fraktionierten Absättigung im Verhältnis zum Hautikterus. *Wien. klin. Wschr.*, 1929, 42: 573-5. — **Micheli, F.** La diagnosi degli itteri. *Fol. med. Nap.*, 1935, 21: 1224-7. Also *Riforma med.*, 1935, 51: 1624-9. Also *Rass. internaz. clin. ter.*, 1935, 16: 1147-56. — **Moffatt, H. B.** The investigation of the jaundiced patient. *Canad. M. Ass. J.*, 1939, 40: 454-7. — **Nadler, W. H.** Clinical problems in the diagnosis and treatment of jaundice. *Southwest M.*, 1942, 26: 74-82. — **Newman, C.** The clinical problems of jaundice; the preliminary diagnosis; the final diagnosis. *Med. Press & Circ.*, Lond., 1940, 204: 37; 51. — **Ottenberg, R., & Colp, R.** Diagnosis of surgical jaundice. *N. York State J. M.*, 1937, 27: 1011-7. — **Weir, J. F.** The diagnosis of jaundice; value of clinical and laboratory data. *Am. J. Surg.*, 1932, n. ser., 15: 494-503.

Differential.

See also other subheadings (hepatic; mechanical)

LEMMEL, H. *Zur feineren Diagnostik des nicht mechanisch bedingten Ikterus. 39p. 8°. Lpz., 1927.

Brulé, M. Diagnostic différentiel des icteres par hépatite et des icteres par obstruction cholédoecienne. *Bull. Soc. méd. Paris*, 1939, 195-200. — **Burrus, S.** Jaundice; its differential diagnosis and treatment. *Memphis M. J.*, 1927, 4: 206-9. Also *J. Tennessee M. Ass.*, 1927-28, 20: 126-9. — **Fine, B.** Differential diagnosis of jaundice. *Med. Bull. N. Y.*, 1939-40, 5: 145-8. — **Flood, C. A., Segal, D., & Loeb, R. F.** The differential diagnosis of jaundice; a study of 235 cases of nonhemolytic jaundice due to carcinoma, calculus in the common bile duct and liver degeneration. *Am. J. M. Sc.*, 1933, 185: 358-65. — **Graham, D.** The differential diagnosis of clinical conditions accompanied by jaundice. *Canad. M. Ass. J.*, 1929, 21: 380-3. Also *Univ. Toronto M. J.*, 1929-30, 7: 34-8. — **Hanger, F. M., jr.** The differential diagnosis of jaundice. *Virginia M. Month.*, 1940, 67: 1-7. — **Hartsock, C. L.** Differential diagnosis of jaundice. *Cleveland Clin. Q.*, 1938, 5: 102-7. — **Helmreich, E.** Die Differentialdiagnose des Ikterus im Säuglingsalter. *Wien. klin. Wschr.*, 1934, 47: 1266-8. Also *Aerzt. Prax.*, Wien, 1935, 9: 106-8. — **Herman, K.** Klinische Beobachtungen über Ikterus (Beiträge zur Differentialdiagnose des Ikterus) *Med. Klin.*, Berl., 1929, 25: 675-7. — **Heyd, C. G.** The diagnostic interpretation of jaundice. *Nebraska M. J.*, 1937, 22: 445-9. Also *N. England J. M.*, 1937, 217: 161-4. — **Holbrook, A. A.** The differentiation of surgical and medical groups of jaundice. *Am. J. Digest. Dis.*, 1936-37, 3: 315-9. — **Horsters, H.** Differentialdiagnose des Ikterus nach färberischen Merkmalen. *Erg. inn. Med. Kinderh.*, 1939, 56: 575-613. — **Hultén, O.** [Differential diagnosis between hepatic and obstructive jaundice] *Nord. med.*, 1940, 6: 974. — **Jacoby, H.** Zur Differentialdiagnostik der Ikteruskrankheit. *Deut. med.*

Wschr., 1928, 54: 1513-5.—**Johnson, L. W., & Dickens, P. F.** Differential diagnosis of surgical from nonsurgical jaundice by laboratory methods. *Am. J. M. Sc.*, 1928, 176: 690-700.—**Johnson, W. R.** The differential diagnosis of cases of jaundice without pain. *Med. Clin. N. America*, 1932, 15: 1513-27. Also *South. M. J.*, 1937, 30: 1174-81.—**Kaunitz, H.** The differential diagnosis of jaundice. *J. Philippine M. Ass.*, 1940, 20: 709-20.—**Killiar, J. A.** Interpretation of chemical analyses of blood and urine of cases exhibiting jaundice and disturbances of liver function. *Surg. Clin. N. America*, 1932, 12: 463-74.—**Knapp, V.** Clinical interpretation of jaundice. *J. M. Soc. N. Jersey*, 1936, 33: 202-4.—**Kress, H. von.** Differentialdiagnose zwischen Icterus simplex und mechanisch bedingtem Icterus. *Zschr. ärztl. Fortbild.*, 1937, 34: 128-32.—**Lauda, E.** Differentialdiagnose und Therapie ikterischer Zustände. *Wien. klin. Wschr.*, 1932, 45: 526-30. Also *Aerzt. Prax.*, Wien, 1933, 7: 79-83.—**Lenormand, J.** Diagnostic des icteres néoplasiques. *J. méd. fr.*, 1930, 19: 291-5.—**Maclean, B.** The differential diagnosis of jaundice. *Brit. M. J.*, 1927, 1: 1032.—**McQuiston, J. S.** Differential diagnosis of jaundice. *J. Iowa M. Soc.*, 1942, 32: 360-4.—**Matthews, M. W.** The differential diagnosis of jaundice. *Tristate M. J.*, 1940-41, 13: 2790-5.—**Olvin, J. H.** Differentiation of surgical jaundice from severe damage of liver, subacute yellow atrophy, clinically simulating it. *Arch. Surg.*, 1941, 43: 633-44.—**Peery, T. M.** Jaundice: its differential diagnosis. *J. S. Carolina M. A. s.*, 1935, 31: 187-9.—**Puestow, C. B.** Differential diagnosis and surgical care of jaundiced patients. *Ann. Surg.*, 1941, 113: 1067.—**Rusch, Z.** [Differential diagnosis of jaundice] *Orv. hetil.*, 1932, 76: [incl.] 11.—**Simon, S. D.** Some introductory remarks on the differential diagnosis of jaundice. *J. Med. Cincin.*, 1941-42, 22: 26.—**Snell, A. M.** The diagnosis of common causes of jaundice. *Canad. M. Ass. J.*, 1937, 37: 319-27.—**Turen, H. J.** Differential diagnosis and treatment of jaundice. *Northwest M.*, 1941, 40: 437-45.—**Walters, W.** Jaundice; differential diagnosis and treatment. *J. Michigan M. Soc.*, 1940, 39: 747-54.—**Weltmann, O.** Die Differentialdiagnose des Icterus. *Prakt. Arzt.*, 1928, n. F., 13: 216; 243.—**White, F. W.** A study of diagnostic errors in jaundice. *Tr. Ass. Am. Physicians*, 1939, 54: 259-63.—**Winslow, K.** Differential diagnosis of jaundice. *Northwest M.*, 1929, 28: 254-60.—**Wood, R. H., & Agnor, E. B.** The differential diagnosis of jaundice and carotipemia; report of case. *J. M. Ass. Georgia*, 1941, 30: 239-41.—**Yater, W. M.** General considerations and differential diagnosis of jaundice depicted by cryptograms. *Med. Ann. District of Columbia*, 1939, 8: 253-61.—Differential diagnosis of jaundice. *Proc. Interst. Postgrad. M. Ass. N. America* (1941) 1942, 375-9.

— Diagnosis, radiological.

See also **Bile-ducts, Roentgenography; Gall-bladder, Radiology; Icterus, mechanical.**

Baker, H. L., & Bacon, C. M. Lipiodol visualization of the bile tracts in lesions with jaundice. *Surg. Gyn. Obst.*, 1937, 65: 220-7.—**Delp, M. H.** Cholecystography in the presence of jaundice. *J. Kansas M. Soc.*, 1941, 42: 434-6.—**Ottenberg, R.** Excretion of foreign substances by the liver and the question of visualization of the gallbladder in the presence of jaundice. *Am. J. Roentg.*, 1937, 38: 859-62.—**Rudisill, H., Jr.** Gallbladder visualization in jaundiced patients. *J. Am. M. Ass.*, 1930, 95: 1425.

— Diagnosis: Tests.

See also **Bilirubin, Estimation; Icterus, Blood.**
ARANIBAR URQUIDI, E. *Actividad fosfatásica del plasma en el diagnóstico diferencial de las ictericias [Chile] 32p. 26½cm. [Santiago] 1940.

Adler, A. Neuere funktionelle Icterusdiagnostik. *Klin. Wschr.*, 1929, 8: 700-4.—**Alessandri, H., Ducci Claro, H., & Aranibar, E.** La actividad fosfatásica del plasma en el diagnóstico diferencial de las ictericias. *Rev. méd. Chile*, 1941, 69: 181-3.—**Blood phosphatase in diagnosis of jaundice.** *J. Am. M. Ass.*, 1936, 107: 1804.—**Carlberg, U.** [Water test as diagnostic and prognostic method in jaundice] *Nord. med.*, 1939, 2: 1454-7.—**Fischer, E. I.** [Significance of the estimation of amino-acids in the urine in differentiation of jaundices] *Klin. med.*, Moskva, 1940, 18: No. 6, 81-6.—**G., A. E.** Newer laboratory tests in the differential diagnosis of jaundice. *Med. Rec.*, Houston, 1938, 32: 811.—**Glenzmann, E.** Zur Frage der grünen Benzaldehydreaktion. *Schweiz. med. Wschr.*, 1931, 61: 644.—**Gutman, A. B., & Hanger, F. M., Jr.** Differential diagnosis of jaundice by combined serum phosphatase determination and cephalin flocculation test. *Med. Clin. N. America*, 1941, 25: 837-48.—**Haley, T. J.** Two valuable laboratory aids in the differentiation of obstructive from hepatogenous jaundice. *Hesp. News, Wash.*, 1940, 7: No. 23, 15-21.—**Hanger, F. M.** Serological differentiation of obstructive from hepatogenous jaundice by flocculation of cephalincholesterol emulsions. *J. Clin. Invest.*, 1939, 18: 261-9.—**Hershberg, A. L.** [Differential diagnosis of purpura hymatous and mechanical jaundice by Prof. Niasnikov's method] *Klin. med.*, Moskva, 1941, 19: No. 6, 126-30.—**Hynes, K. E., & Jensen, C. R.** The differential diagnosis of jaundice, laboratory tests useful in the distinction between surgical and nonsurgical conditions. *West. J. Surg.*, 1938, 46: 371-8.—**Kent, C. F.** Laboratory aids in

the differential diagnosis of jaundice. *J. Missouri M. Ass.*, 1940, 37: 100-3.—**Lehpherr, E. R.** The value of icteric indices and plasma lipids in the diagnosis of jaundice. *N. England J. M.*, 1934, 211: 487-92.—**Lelie, A.** A simplified bedside test for latent jaundice. *J. Lab. Clin. M.*, 1942-43, 28: 6.—**Lord, J. W., Jr., & Andrus, W. DeW.** Differentiation of intrahepatic and extrahepatic jaundice; response of the plasma prothrombin to intramuscular injection of menadiolone, 2-methyl-1,4-naphthoquinone, as a diagnostic aid. *Arch. Int. M.*, 1941, 68: 199-210.—**Love, J., & Leake, A. R.** A simple test for jaundice. *U. S. Nav. M. Bull.*, 1942, 40: 430-2.—**Malamud, T.** La prueba del agua o de la dilución en la ictericia. *Prensa méd. argent.*, 1937, 24: 1469-78.—**Mastranzoli, J.** Diagnostico biologico das ictericias. *Brasil med.*, 1935, 49: 443-7.—**Morhardt, P. E.** Une nouvelle méthode de diagnostic des icteres. *Vie méd.*, 1929, 10: 779.—**Murphy, W. P.** An easy method of estimating the amount of jaundice by means of the blood serum. *Boston M. & S. J.*, 1926, 191: 297-9.—**Nadler, S. B., & Butler, M. F.** The cephalin-cholesterol flocculation test in the jaundiced patient. *Surgery*, 1942, 11: 732-8.—**Rabinowitch, I. M.** Jaundice and the application of the Van den Bergh and urobilinogen tests. *Canad. M. Ass. J.*, 1931, 25: 255-65.—**Roberts, W. M.** Blood phosphatase and the Van den Bergh reaction in the differentiation of the several types of jaundice. *Brit. M. J.*, 1933, 1: 734-5.—**Rothman, M. M., Merrize, D. R., & Meranze, T.** Blood phosphatase as an aid in the differential diagnosis of jaundice. *Am. J. M. Sc.*, 1936, 192: 526-35.—**Sainz, P. A.** Evoluciones de la reacción de Takata-Ara en las ictericias. *Rev. med. cir. Habana*, 1939, 44: 465-73.—**Saleun, G., & Ceccaldi, J.** Affections icterigènes suspectes et épreuves de s'ro-protection de Max-Thellier. *Bull. Soc. path. exot. Par.*, 1936, 29: 661-7.—**Sanford, H. N., & Ashby, J. S.** A differentiation of hepatic and anhepatic jaundice by bile salt hemolysis. *J. Lab. Clin. M.*, 1927-28, 13: 807-71.—**Scherer, J. H.** Laboratory procedures in the differential diagnosis of jaundice. *Virginia M. Month.*, 1941, 68: 151-4.—**Shay, H., & Fieman, P.** The value of a combined study of the newer laboratory test in the differential diagnosis of toxic and obstructive jaundice including blood phosphatase, cholesterol partition, galactose tolerance and glucose tolerance. *Tr. Am. Gastroenter. Ass.*, 1938, 41, meet., 119-28.—The value of a combined study of the newer laboratory test in the differential diagnosis of toxic and obstructive jaundice including blood phosphatase, cholesterol partition, galactose tolerance and glucose tolerance. *Am. J. Digest. Dis.*, 1938-39, 5: 507-606.—**Sommer, J.** Unsere Erfahrungen mit der Takata-Reaktion an 585 Fällen von Gelbsucht. *Münch. med. Wschr.*, 1937, 84: 1979-84.—**Stein, H. B.** The distinction between surgical and medical jaundice by the effect of 2-methyl-1,4-naphthoquinone, kapulin, on the plasma prothrombin. *S. Afr. M. J.*, 1942, 16: 12-6.—**Tepper, P. A.** [Graphic sketch and clinico-laboratory differentiation of jaundices] *Sovet. vrach. J.*, 1936, 1: 355-62.

— Diagnosis: Tests, cutaneous.

BENNEWITZ DECHER, L. *La reacción de Brugsch y su importancia clínica [Chile] 93p. 8°. Santiago, 1930.

KOHL, A. *Mundstatus beim Icterus sowie Betrachtungen über die differentialdiagnostische Verwertung des Verfahrens von Brugsch; zur Analyse des Icterus. 23p. 8°. Freib. i. B. [1927]

MONESTIER, J. H. *L'intradermoréaction au ferriyankure de potassium dans les icteres. 40p. 8°. Par., 1930.

NICOLAI, M. *Die Brugsche Intrakutanreaktion mit 1% Ferriyankali und ihre Bedeutung zur Differenzierung der Icterusformen. 31p. 8°. Bresl., 1931.

Also *Zschr. ges. exp. Med.*, 1932, 81: 245-55.

Barbaro-Forleo, G. Il ponfo giallo da istamina negli stati icterici; valore semeiologico e meccanismo di formazione. *Polielinico, Roma*, 1933, 40: sez. med., 247-72.—**Basabe, H.** La reacción de Brugsch. *Rev. méd. lat. amer.*, B. Air., 1933-34, 19: 699-716, 2 pl.—**Bjoraby, H.** [Brugsch's test in functional and hepatic jaundice] *Sven. læk. tidn.*, 1932, 29: [Sven. fören. inv. med. forh.] 9-13.—**Brugsch, T.** Die Intrakutanreaktion mit Ferriyankali beim Icterus. *Dent. med. Wschr.*, 1929, 55: 1332-4.—**Dietrich, S.** Zur Analyse der intrakutanen Ferriyankaliumreaktion nach Brugsch. *Ibid.*, 1248.—**Enomoto, M.** Brugsch'sche intracutane Reaktion bei Icterus. *J. Chosen M. Ass.*, 1934, 24: 1327-31.—**Ferrari, G.** Sopra il valore della reazione di Brugsch. *Clin. med. ital.*, 1933, 64: 792-800.—**Fiessinger, N., & Decourt, P.** La classification des icteres et la réaction au ferriyankure de potassium. *Bull. Soc. méd. hôp. Paris*, 1930, 3, ser., 46: 1405-11.—**Goldberger, J.** La classification des icteres basée sur l'épreuve au ferriyankure de potassium de Brugsch. *Rev. gén. clin. théor.*, 1930, 44: 358-60.—**Liesch, E.** Il ponfo giallo da istamina negli stati icterici; manifesti o latenti, e sue relazioni con le varie forme di bilirubina. *Riv. clin. med.*, 1935, 36: 667-79.—**Marengo, G., & Massimello, F.** Ricerche sull'impiego di prove cutanee utilizzabili per la diagnosi di ittero. *Gior. Accad. med. Torino*, 1934,

97: 217-53. — Reazioni cutanee utilizzabili per la diagnosi degli itteri; la reazione di Brugsch al ferricianuro potassico. Arch. sc. med., Tor., 1935, 60: 677-700. — Reazioni cutanee utilizzabili per la diagnosi degli itteri; la reazione di Klein all'istamina. Ibid., 701-20. — Parenti, P. Sopra il valore della reazione di Brugsch. Riv. clin. med., 1932, 33: 722-8. — Pavel, I., Milcu, M., & Covaci-Ulmeanu, P. [Brugsch reaction and classification of jaundice] Rev. st. med., Bucur., 1931, 20: 311-7. — La réaction de Brugsch ne peut pas différencier les icterès par hépatite de ceux dus à la rétention par obstacle. C. rend. Congr. fr. méd. (1930) 1931, 21. sess., 359-62.

Diagnosis: Tests: Liver function.

See also **Icterus, Liver; Liver, Functional tests.**

THIÉBAUT, F. *L'exploration fonctionnelle du foie dans les icterès. 190p. 8° Par., 1931.

Basset, A. M., Althausen, T. L., & Coltrin, G. A new intravenous galactose clearance test for differentiation of obstruction from parenchymatous jaundice. Proc. Soc. Exp. Biol., N. Y., 1940, 45: 405-7. Also Am. J. Digest. Dis., 1941, 8: 432-7. — Bensley, E. H. The galactose tolerance test as an aid to diagnosis in jaundice. Canad. M. Ass. J., 1935, 33: 360-3. — Blomström, H. [Bromide sulfalene retention in jaundice] Sven. läk. tidn., 1933, 30: 270-2. — Bonduel, A. A. La prueba del ácido hipúrico en las ictericias infantiles. Dña méd., B. Air., 1939, 11: 484-8. — Bonorino Udaondo, C., & Sanguinetti, L. V., & Puccio, L. La curva de hiperglucemia provocada en las ictericias. Bol. Acad. nac. med. B. Aires, 1938, 71-81. Also Prensa méd. argent., 1938, 25: 1263-9. — La curva de tolerancia galactosica en las ictericias. Dña méd., B. Air., 1938, 10: 464. — Chabrol, E., Charonnat, R., & Blanchard, J. Le diagnostic biologique des icterès par la réaction sulfo-phospho-vanillique. Presse méd., 1940, 48: 177. — Chiray, M., & Albot, G. L'épreuve des concentrations galactosuriques dans le diagnostic des icterès cholestatiques. Ibid., 1936, 44: 1577-80. — Foged, J. [Diasatase test in differential diagnosis of various forms of jaundice] Hygiea, Stockh., 1932, 94: 517. — Ivy, A. C. An outline of liver functions and jaundice. J. Michigan M. Soc., 1938, 37: 121-9. — Jacobi, H. G. Glucose tolerance as a diagnostic aid in jaundice; further differentiation of cases showing an obstructive type of curve. Surg. Gyn. Obst., 1936, 63: 293; 1937, 64: 995. — LaSage, J. Contrôle des icterès par des tests hépatiques répétés. Union méd. Canada, 1936, 65: 649-57. — Miasnikova, A. L. [New method of differentiation of hepato-cellular and mechanical jaundice and functional examination of the liver] Ter. arkh., 1937, 15: 841-7. — Owen, K. A. The use of galactose in the differential diagnosis of jaundice. J. Lab. Clin. M., 1934, 19: 1311-9. — Rosenberg, D. H. The galactose and urobilinogen tests in the differential diagnosis of obstructive and intrahepatic jaundice. Ann. Int. M., 1934, 8: 60-71. — Sainz, P. A. Estudio de la función hepática en las ictericias utilizando la glucorregulación. Rev. med. cir. Habana, 1941, 46: 66-74. — Schiff, L., & Senior, F. A. A study of 100 cases of jaundice, with particular reference to galactose tolerance. J. Am. M. Ass., 1934, 103: 1924-30. — Shay, H., & Fieman, P. The galactose tolerance test in jaundice; a consideration of the evidence permitting the measurement of galactose utilization by urinary excretion; some sources for error in its interpretation; and an addition in routine technique. Ann. Int. M., 1936-37, 10: 1297-303. — Shay, H., & Schloss, E. M. Liver function tests in the differential diagnosis of jaundice; with special reference to the galactose tolerance test. Med. Clin. N. America, 1930-31, 14: 955-66. — Painless jaundice, its differential diagnosis by the galactose tolerance test. J. Am. M. Ass., 1932, 98: 1433-6. — & Rodis, I. The galactose tolerance test in the differential diagnosis of jaundice. Arch. Int. M., 1931, 47: 650-9. — Tsunoo, S., Munchisa, K. [et al.] Untersuchungen über die Pathogenese des Icterus; Leberfunktionsprüfungen bei verschiedenen ikterischen Zuständen. Jap. J. M. Sc., 1938-39, 5: Proc. Int. Med., 268. — Tumen, H. J., & Piersel, G. M. The value of alimentary galactosuria in the diagnosis of jaundice. Ann. Int. M., 1933, 7: 311-29. — Upham, R., & Chaikin, N. W. The evaluation of some liver function tests in intra- and extrahepatic jaundice. Rev. Gastroenter., 1940, 7: 263-9. — White, F. W. The galactose-tolerance and urobilinogen tests in the differential diagnosis of painless jaundice. Tr. Ass. Am. Physicians, 1935, 50: 111-7. Also N. England J. M., 1937, 216: 1017-23. Also Am. J. Digest. Dis., 1937-38, 4: 315-25.

dissociated.

Brulé, M., & Cottet, J. Etude clinique et pathogénique des icterès dissociés. Presse méd., 1939, 47: 1609-11. — Dumitresco-Mante, Dulugea & Ionesco-Craiova. Nouveaux cas de bradycardie avec hypercholinémie au cours des icterès dissociés pigmentaires. Bull. Soc. méd. hôp. Paris, 1931, 3. ser., 47: 212-7. — Hikosaka, R., & Nakashima, K. The dissociated jaundice with a proposal for a newer clinical classification of liver diseases; hepatopathia. Acta Scholae med. Univ. Kioto, 1926-27, 9: 367-76. — Jacoby, H. Zur Frage des dissoziierten Icterus. Arch. Verdauungskr., 1928, 43: 219-24. — McVicar, C. S., & Weir, J. F. Dissociated jaundice. Med. Clin. N. America, 1926, 10: 499-508. — Piticiariu, I. [Case of icterus with bilirubin dissociation] Rev. st. med., Bucur., 1926, 15: 573-82.

emotional.

See also **Bile-duct, common; Sphincter; Dis-eases.**

FREUS, J. *Icterus e emotione. 26p. 8° Lpz., 1932.

LAUGEL, R. *Les icterès émotifs en médecine légale. 43p. 24 $\frac{1}{2}$ cm. [Strash.] 1937.

Berardinelli, W. Les icterès de la lune de miel. Paris méd., 1938, 109: 105. — Catsas, G. Sur un cas d'ictère émotif. Ann. méd. lég., 1938, 18: 287-9. — Chavigny & Moniatte. Ictère émotif et médecine légale. Ibid., 1937, 17: 1031-3. — Escudero, P. Ictericia funcional. Dña méd., B. Air., 1935, 7: 1059-62. — Guricé, A. [Emotional jaundice] Cas. lek. česk., 1928, 67: 1193. — Lavitola, G. Contributo allo studio degli itteri emotivi. Gior. med. mil., 1939, 87: 928-40. — Marchiafava, E. L'ittero letale ex emotione. Policlinico, 1931, 28: sez. prat., 1771-6. — Pavel, I. Les icterès par obstacle fonctionnel (spasme réflexe du sphincter d'Oddi) Bruxelles méd., 1935-36, 16: 1781-91. Also J. Am. M. Ass., 1938, 110: 566-8. — Schachter & Nedler, D. Contribution à l'étude de l'ictère émotionnel. Paris méd., 1933, 89: 141-4. — Virgilio, S. Sopra un caso di ittero letale ex emotione. Med. ital., 1935, 16: 395-402.

enzootic.

See also **Icterus—in animals.**

Albiston, H. E., Bull, L. B. [et al.] A preliminary note on the aetiology of enzootic jaundice, toxæmic jaundice, or yellows, of sheep in Australia. Vet. Bull., Lond., 1942, 12: 42 (Abstr.). — Edgar, G., Hindmarsh, W. L. [et al.] The distribution and incidence of enzootic or toxæmic jaundice in south-eastern Australia with special reference to New South Wales. Austral. Vet. J., 1941, 17: 120-30. Also Vet. Bull., Lond., 1942, 12: 42 (Abstr.).

erythroblastic.

See under **Icterus, hemolytic, familial; also Icterus, neonatal, grave.**

Etiology.

See also subheading **Pathogenesis; also names of primary diseases as Anemia, hemolytic; Bile-ducts, intrahepatic; Diseases; Leptospirosis; Liver, Cirrhosis; Syphilis, etc.**

ITZEN, S. *Ueber die Ursachen des Icterus. 16p. 21cm. Gött., 1937.

Davis, D., & Sidel, N. The Wassermann reaction in jaundice. Boston M. & S. J., 1928, 197: 1516. — Diel, K. Ueber Icterus als zweite Krankheit im Kindesalter. Wien. klin. Wochr., 1934, 47: 272. — Halsted, J. A., & Bauer, W. Jaundice in coronary occlusion. Med. Clin. N. America, 1933, 16: 951-60. — Hariman, H. R. A study of the cause of jaundice in 400 cases. Ibid., 1927-28, 11: 1383-8. — Lakin, C. E. Aetiology and diagnosis of jaundice. Lancet, Lond., 1937, 1: 511. — Long, C. F. Jaundice; its cause and cure. Kentucky M. J., 1931, 32: 362-5. — Salah, M. Vitamin A deficiency in jaundice. J. Egypt. M. Ass., 1940, 23: 153-61. — Schiff, E. Icterus als führendes Symptom bei Erkrankungen des Kindesalters. Fortsch. Med., 1926, 44: 969-72. — Watkins, C. H. Four clinical types of jaundice arising from atypical blood dyscrasia. Med. Clin. N. America, 1935, 19: 545-50.

familial, grave (of the newborn)

See **Icterus, neonatal, familial.**

familial, hemolytic.

See **Icterus, hemolytic, familial.**

familial, non-hemolytic.

Bischoff, H., & Brühl, R. In der Pubertät entstandener familiärer Icterus mit Lebercirrhose. Zschr. Kinderh., 1925-26, 40: 702-15. — Carithers, H. A., jr. Nonhemolytic familial jaundice. J. Pediat., St. Louis, 1941, 19: 817-22. — Curry, J. J., Greenwalt, T. J., & Tat, R. J. Familial nonhemolytic jaundice; report of a case with liver biopsy. N. England J. M., 1942, 226: 909-12. — Dameshek, W., & Singer, K. Familial nonhemolytic jaundice; constitutional hepatic dysfunction with indirect Van den Bergh reaction. Arch. Int. M., 1941, 67: 259-85. — Quiroga, M. I. Ictero-dermatopatia familiar de origen hídrico. Sem. méd., B. Air., 1932, 39: pt 2, 1728-34. — Schijveschuurder, W. [On familial jaundice] Geneesk. tsehr. Ned. Ind. 1938, 78: 1411-23. — Tecron, R. M. Les hyperbilirubinémies héréditaires; la cholestémie familiale et l'ictère hémolytique. Arch. mal. app. digest., Par., 1938, 28: 567-89.

Gastrointestinal tract.

GUNDEL, W. *Säurebildung, Entleerungszeit und Sekretion des Magens bei Icterus. 16p. 22 $\frac{1}{2}$ cm. Greifswald, 1937.

Getzeit & Kuhlbaum. Ueber die Darmmotilität beim Ikterus. Münch. med. Wschr., 1934, 81: 1095-8.—Schroeder, H. Ein experimenteller Beitrag zur Erklärung der Passagehemmung im Magendarmkanal bei Ikterus. Klin. Wschr., 1934, 13: 485-7.

Geography.

See also subheading **Ikterus, infectious, common, epidemic.**

Ashkar, M. F. Investigations on an outbreak of jaundice in Tala, Menoufia province. J. Egypt. M. Ass., 1938, 21: 131-7.—Babiet, J. Sur les affections ictériques suspectées du Moyen-Condro. Bull. Soc. path. exct., Par., 1936, 29: 733-5.—Beetweke, H., Walcott, A. M., & Kemm, H. W. An obscure epidemic disease associated with jaundice, observed in Nigeria. West Africa. Tr. R. Soc. Trop. M. Hyg., Lond., 1930-31, 29: 429-51.—Dedichen, H. G. [Holla-disease: epidemic manifestations of anemic crises in hemolytic jaundice] Norsk. mag. lægevid., 1937, 98: 279-95.—Fairley, N. H. Obstructive and haemolytic jaundice in the tropics. Proc. R. Soc. M., Lond., 1933, 26: 578-83.—Hudson, N. P. Histopathology of an epidemic disease associated with jaundice, occurring in Nigeria. West Africa. Tr. R. Soc. Trop. M. Hyg., Lond., 1930-31, 24: 453-60, 2 pl.—Ieffkowitz, M. Der endemische Ikterus in Palästina. Harefuah, Tel Aviv, 1937, 12: No. 3, p. v.—Molner, J. G., & Kasper, J. A. An outbreak of jaundice in Detroit; preliminary report. J. Am. M. Ass., 1938, 110: 2069.—Molner, J. G., & Meyer, K. F. Jaundice in Detroit. Am. J. Pub. Health, 1940, 30: 509-15.—Murskani, S. Miki, Y., & Abe, T. About the epidemic of a kind of febrile jaundice occurring in some parts of Okayama City during the late summer 1935. Okayama igakkai zasshi, 1937, 49: 635.—Mwazi, E. M. K., Trowell, H. C., & Hennessey, R. S. F. Liver diseases and jaundice in natives of Uganda. East Afr. M. J., 1942-43, 19: 40-66.—Oitomo, T. Die klinischen Studien über die akute Hepatopathie; über die Patienten des Ikterus, der von einigen Arten von Frankheiten verursacht wird und den man relativ häufig in der Mandschurei findet. J. Orient. M., Dairen, 1939, 31: 70.—Smith, E. C. Heratic findings excluding yellow fever in 14 cases of jaundice in West Africa. Ann. Trop. M. Parasit., Liverpool, 1942-43, 36: 38-46, 5 pl.—Tanon, L., & Neveu, P. Les syndromes ictéro-hémorragiques en pathologie tropicale. Gaz. hôp., 1931, 104: 929-31.

grave.

See also other subheadings (infectious, hemorrhagic; neonatal, grave, etc.); also **Liver, Atrophy; Liver, Insufficiency**; also names of specific diseases with icterus as **Leptospirosis; Yellow fever**, etc.

Acuña, M., & de Filippi, F. Sobre un caso de ictericia grave en una niña de 10 años. Sem. méd., B. Air., 1927, 34: 65-73.—Antic, D. Ikterus gravis (atrophica flava hepatis acuta) Arch. Verdauungskr., 1928, 42: 20-49.—Arntzenius, A. K. W. [Ikterus gravis] Ned. tsehr. geneesk., 1935, 79: 1658.—Parkhash, P. A. [Analysis of grave jaundice (Ikterus gravis)] Vrach. delo, 1931, 14: 115-21. Also Arch. Verdauungskr., 1933, 53: 9-20.—Bernhard, F. Die Cholezystostomie zur chirurgischen Behandlung des schweren Ikterus. Zbl. Chir., 1935, 62: 3011-4.—Cain, A., & Catten, R. L'ictère grave primitif non ictérohépatique. Bull. méd., Par., 1935, 49: 837-9.—Carréa Casafourth, C. F. Icteria graves. Dia méd., B. Air., 1930-31, 3: 441.—Casaubon, A., & Monserrat, J. L. Icteria grave, mortal, en una niña de la segunda infancia. Arch. argent. pediat., 1939, 12: 369-75.—Chabrol, E. La conception actuelle des ictères graves avec atrophie jaune aiguë du foie. Paris méd., 1932, 83: 440-6.—Chiray, M., Albet, G., & Pouvrain, Y. L'ictère grave prolongé cirrhotique par atrophie subaiguë du foie. Bull. Soc. méd. hôp. Paris, 1937, 3. ser., 53: 86-96.—Ciminata, A. Sulla terapia chirurgica dell'ittero grave intraepatico (epatogeno) Policlinico, 1933, sez. prat., 40: 363-72.—Gorter, E. [On icterus gravis] Geneesk. tsehr. Ned. Indië, 1937, 77: 1379-85.—Haberer, H. von. Chirurgische Therapie unklarer Fälle von schwerem Ikterus. Med. Klin., Berl., 1932, 28: 425-30.—Hannema, L. S. [Cases of acute jaundice ending in death] Ned. tsehr. geneesk., 1930, 74: 1307-15.—Henderson, J. L. Splenectomy in icterus gravis. Lancet, Lond., 1941, 2: 411.—Hess, L. Ikterus gravis (akute gelbe Atrophie) Oligurie, Lungenödem. Wien. klin. Wschr., 1930, 43: 257; 294; 324.—Kusni, K. Ein ausgeheilter Fall von schwerem Ikterus mit hochgradigem Oedem. Klin. Wschr., 1941, 20: 103-5.—Lohse, E. Ueber einen Fall von Ikterus gravis mit Eklampsie bei einem Kinde im ersten Lebensjahre. Jahrb. Kinderh., 1936, 3. F., 97: 40-4.—Müller, H. Ueber schweren Ikterus. Münch. med. Wschr., 1934, 81: 1533.—Mülim H. Gür. [Grave case of jaundice] Askeri sibilhi mecmuas, 1938, 67: 14-7.—Rosenlet, V., & Vasilescu, M. [Insulin treatment in severe cases of icterus] Spitalul, 1929, 49: 105.—Zanardini, G. Ictero infettivo; atrofia gialla acuta del fegato e cirrosi biliare ipertrofica. Gazz. osp., 1905, 25: 361-7.—Zeulzer, W. W., & Bigler, J. A. Disturbances of hepatic function in icterus gravis; report of 2 cases. Am. J. Dis. Child., 1940, 60: 873-90.

Gynecological aspect.

See also **Ikterus, pregnancy.**

Cabot, R. C. Five weeks' jaundice with loss of weight in an elderly woman. N. England J. M., 1932, 207: 1212-5. — Pain, jaundice and an upper abdominal mass in a woman of 54. Ibid., 1933, 208: 206-9. — Painless jaundice in a woman of 57. Ibid., 1010.—Reinhart, H. L. Case record presenting clinical problems; jaundice of 4 months' duration with epigastric distress in a woman aged 45. Ohio M. J., 1937, 33: 542.

Hematology and serology.

See also **Anemia, hemolytic; Ikterus, Hemorrhagic diathesis.**

Archì, A. Sul significato delle variazioni dei diametri globulari negli itteri da assorbimento. Minerva med., Tor., 1936, 27: 321-5.—Czoniczor, G., & Molnár, I. [Erythrocytes in jaundice] Orv. hetil., 1930, 74: 599-601. — Ikterus und Erythrocytenzahl. Zsehr. ges. exp. Med., 1930, 72: 539-44.—Garretton Silva, A., Bitran, E., & Ducach, G. Modificaciones hematológicas en algunos síndromes ictericos. Rev. méd. Chile, 1941, 69: 442-7.—Jakab, M. Adrenalinreaktion der weissen Blutzellen und ihre Verwertung bei Ikterus. Dent. Arch. klin. Med., 1931, 171: 1-9. Also Orv. hetil., 1932, 76: 136-9.—Jerdan, F. M. Anemia in jaundice. Proc. Mayo Clin., 1928, 3: 306-8. — & McVicar, C. S. Anemia in jaundice; a clinical study of cases in which jaundice was of obstructive or intrahematic types. Am. J. M. Sc., 1930, 179: 654-9.—Katz, G., & Radt, P. Blutkörperchenenkung beim Ikterus. Med. Klin., Berl., 1927, 23: 760.—Klein, M. [Qualitative changes of blood picture in jaundice] Orv. hetil., 1932, 76: 1081-7. — & Szentmihályi, S. Die Veränderungen des qualitativen Blutbildes bei der Gelbsucht. Zsehr. klin. Med., 1933, 124: 497-505.—Lerman, J. A comparison of arphenamin and catarrhal jaundice with special reference to the blood picture. Am. J. M. Sc., 1929, 178: 54-62.—Medvei, C. V., & Björk, S. Ungewöhnliche Kombinationen verschiedener Anämien mit Ikterus. Wien. Arch. inn. Med., 1937, 31: 287; 301.—Osajima, S. Ueber das Säurebasengleichgewicht und den Durchmesser der Erythrocyten bei verschiedenen experimentellen Ikterusarten. Acta med. nagasaki, 1939, 1: Suppl., 124-7.—Radosavljevic, A., & Sekulic, M. La sédimentation des hématies dans les ictères. Progr. méd., Par., 1932, 1750. Also C. rend. Congr. internat. lith. biliaire, 1932, 1. Congr., 2: 282-4.—Rosenthal, N., & Blowstein, M. I. The sedimentation time of blood in jaundice. J. Lab. Clin. M., 1928-29, 14: 464-72.—Saito, A. The influence of outbreak of icterus upon the component of blood. Orient. J. Dis. Inf., Kyoto, 1940, 27: 1. — The influence of the lowering of the reticulo-endothelial system function upon the blood components of the animal with icterus. Ibid., 3.—Schalm, L. [Measurement of the mean average of erythrocytes and their value in affections of the liver and jaundice] Ned. tsehr. geneesk., 1937, 81: 5788-94. — The average red blood cell diameter in liver disease and jaundice. Acta med. scand., 1937-38, 93: 512-25. — Le diamètre moyen des globules rouges comme élément de diagnostic dans la différenciation des ictères. Presse méd., 1940, 48: 312-5.—Scherer, J. H. Reticulocytosis in jaundice. Bull. M. Coll. Virginia, 1938, 35: 3-7.—Schernhardt, J. Ikterus und Blutkörperchenzahl. Klin. Wschr., 1937, 16: 920.—Schött, E. D. Détermination des groupes sanguins sur des échantillons de sang ictériques, hémolytiques ou anciens. Acta med. scand., 1932, 79: Suppl. 50, 389; 394.—Trönberg, G. [Investigations on sedimentation reaction in jaundice] Nord. med., 1939, 2: 1987-93.

hemolytic.

See also **Anemia, erythroblastic; Anemia, hemolytic; Hemolysis, Pathological aspect; Reticulo-endothelial system, Disease; Splenomegaly.**

GOLDENSTEIN, S. *Ueber hämolytischen Ikterus. 24p. 24cm. Lausanne, 1937.

HOTOP, L. *Drei Fälle von hämolytischem Ikterus [Würzburg] 22p. 8° Dillingen, 1931.

PICARD, G. *Ueber hämolytischen Ikterus [Heidelberg] 31p. 8° Walldorf, 1928.

TEITELBAUM, M. *Ueber hämolytischen Ikterus [Giessen] 23p. 8° Grünberg (Hessen) 1930.

TOPIC, J. R. *Hemolytic jaundice. 31p. 4° S. Franc., 1938.

Adler, A. Ueber anämisch-hämolytische Splenomegalie, ein dem hämolytischen Ikterus ähnliches Symptomenbild. Münch. med. Wschr., 1927, 74: 2167-71.—Babonneix, L., Lévy, M., & Golé, L. Ictère hémolytique chez un garçon de 10 ans. Bull. Soc. pédiat. Paris, 1934, 32: 281-4.—Battaglioli, S., & Blasi, B. Contributo clinico sull'ittero emolitico. Gior. clin. med., 1931, 12: 109-23.—Brenizer, A. G. Hemolytic jaundice. South. M. & S., 1939, 101: 199-206.—Campbell, J. M. H. Early accounts of acholic jaundice and the subsequent history of Wilson's patients. Q. J. Med., Oxf., 1925-26, 19: 323-32.—

- Carrara, N. Su di un caso di ittero emolitico. *Clin. pediat.*, Mod. 1938, 10: 499. Cervini, P. R., & Grecco, A. Consideración al margen de una observación de ictericia hemolítica. *Arch. argent. pediat.*, 1932, 3: 9-16. Couto, M. As ictericias originadas no sangue. In his *Clin. med.*, Rio, 1935, 2: 153-7.
- Cowen, S. O. Haemolytic jaundice. *Brit. M. J.*, 1935, 2: 853. Del Rio, A. Ictericia hemolítica. *Med. ibera*, 1933, 27: 229-31. Dessylla, C. In tema di ittero emolitico; considerazioni critiche ed osservazioni personali nell'infanzia. *Clin. igiene inf.*, 1931, 6: 261-310. Dreiling, B. J., Brody, J. G., & Randall, A. Hemolytic jaundice; report of an unusual case. *Ohio M. J.*, 1936, 32: 34-6. Ferrannini, L. Ittero emolitico. *Minerva med.*, Tor., 1935, 26: 250-6. Fiessinger, N. Les icterus hémolytiques. *Rev. gén. clin. théor.*, 1938, 52: 529-35.
- Merklen, F. P., & Brucet, G. Splénomégale hépatolytique et icterigène. *Bull. Soc. méd. hôp. Paris*, 1934, 3. ser., 50: 91-7. Fortenelle, V. Ictericia hemolytica. *Fol. med.*, Rio, 1933, 14: 432-8. Galán, J. C. Ictericia hemolítica. *Dia méd.*, B. Air., 1930, 31, 3: 981. Graziano, F. Sull'ittero emolitico. *Cult. med. mod.*, Pal., 1929, 8: 1-9. Hadfield, G., & Hewer, T. F. Observations on a case of acholuric icterus. *Lancet*, Lond., 1926, 2: 121. Hadley, H. G. Hemolytic jaundice. *J. Med.*, Cincinnati, 1940, 41, 21: 496-8. Hansen. Ueber den hämolytischen Icterus. *Zbl. inn. Med.*, 1934, 55: 451.
- Heilmeyer, L. Der konstitutionelle und erworbene hämolytische Icterus. *Med. Klin.*, Berl., 1939, 35: 201-3. Hendricks, W. C. Hemolytic jaundice with report of a case. *Pennsylvania M. J.*, 1938-39, 42: 61. Hernandez, T. Ictericas hemolíticas. *Siglo med.*, 1931, 93: 369. — & Pittaluga. Ictericas hemolíticas. *Ibid.*, 252. Hess. Ueber Icterus hemolyticus. *Zbl. inn. Med.*, 1927, 48: 947. Holler, G. Ueber Icterus haemolyticus. *Wien. klin. Wschr.*, 1937, 50: 300-3. Jelles, J. M. [Case of hemolytic jaundice] *Meschr. kinderzengesck.*, 1931-32, 1: 219-27. Kennedy, A. M. Acholuric jaundice. *Clin. J.*, Lond., 1934, 63: 59-62. Kremer, M., & Mason, W. H. Acholuric jaundice in the adult. *Lancet*, Lond., 1936, 2: 849-52. Kucikówna, Z. [Hemolytic icterus] *Polska gaz. lek.*, 1934, 13: 312-7. Kutiev, M. [Case history of chronic hemolytic jaundice] *Vrach. delo*, 1928, 11: 731. La Fleur-Birch, C., & Jaffe, R. H. Chronic hemolytic icterus in adolescence. *Med. Clin. N. America*, 1928, 12: 255-69. Lepchne, G. Die Erkrankungen der Leber und Gallenwege, die hämolytischen Icterusformen. *Münch. med. Wschr.*, 1929, 76: 716-8.
- Lewis, G. V. Hemolytic jaundice. *South. M. J.*, 1935, 28: 521-7. Makhalova, O. K. [Clinical aspect of hemolytic jaundice] *Kazan. med. J.*, 1939, 35: No. 7, 17-21. Meinertz, J. Der hämolytische Icterus. *Med. Klin.*, Berl., 1933, 29: 73-7. Meyer, H. Ueber hämolytischen Icterus. *Klin. Wschr.*, 1927, 6: 1277-80. Murray-Lyon, R. M. Acholuric jaundice. *Med. Press & Circ.*, Lond., 1938, 196: 113-5.
- Pángaro, J. A. Ictericia hemolítica crónica. *Dia méd.*, B. Air., 1938, 10: 93-5. Pantolini, M. I. Ictericia hemolítica. *Ibid.*, 1940, 12: 137-9. Plavinski, J. V., & Kutlova [Hemolytic jaundice] *Soviet klin.*, 1933, 19: 330-4. Roskott, L. [Hemolytic jaundice] *Genesck. tschr. Ned. Indij.*, 1936, 76: 172-4. Schoendube. Zwei Fälle von hämolytischem Icterus. *Med. Klin.*, Berl., 1926, 22: 1545. Also *Münch. med. Wschr.*, 1926, 73: 1383. Schwartz, N. V. [Hemolytic jaundice] *Soviet. vrach. gaz.*, 1933, 37: 100-94. Scott, W. M. Hemolytic jaundice. *Tristate M. J.*, 1940-41, 13: 2782. Serio, F. Ricerche fisiopatologiche su di un caso di splenomegalia emolitica. *Riforma med.*, 1936, 52: 775-8. Shallard, B. T. Acholuric jaundice, with the report of a case. *Med. J. Australia*, 1940, 1: 12-5. Sharpe, J. C. Hemolytic jaundice. *Internat. Clin.*, 1937, 47, ser., 2: 146-67. Stewart-Wallace, A. M. Splenomegaly with jaundice. *Proc. R. Soc. M.*, Lond., 1935-36, 29: 1212. Sutherland, D. M. Haemolytic jaundice: an atypical case. *Lancet*, Lond., 1933, 2: 864. Tenconi, J., & Franco, V. A. Ictericia hemolítica. *Rev. sudamer. endocr.*, B. Air., 1934, 17: 34-66. Thompson, W. P. Hemolytic jaundice. *Bull. N. York Acad. M.*, 1939, 15: 177-87. Urrutia, L. Ictericia hemolítica. *Arch. med.*, Madr., 1925, 18: 289-304.
- studio degli itteri emolitici secondarii. *Ibid.*, 1932, 63: 432-90. Cook, J. E., & Kotner, L. M. Acquired hemolytic jaundice: report of a case. *J. Missouri M. Ass.*, 1941, 38: 354-7.
- Dalla Volta, A. Sugli itteri emolitici secondarii. *Arch. pat.*, Bologna, 1926, 5: 488-520. Dimitriu, C. C., & Gincold, N. Ictère hémolytique constitutionnel acquis, guéri par la splénectomie. *Bull. Soc. méd. hôp. Bucarest*, 1939, 21: 244-10.
- Duthie, E. S. Acquired haemolytic jaundice, with unusual features. *Lancet*, Lond., 1937, 1: 1167-9. Fowler, W. M. Acquired hemolytic icterus. *Ann. Int. M.*, 1940-41, 14: 1838-48. Fredbärj, T. Ein Fall von hämolytisch an, nicht hereditärem Icterus. *Acta paediat.*, Ups., 1939, 10: 158-66.
- Gennes, L. de, Salles, P., & Willot, R. Sur un cas d'ictère hémolytique acquis. *Bull. Soc. méd. hôp. Paris*, 1937, 3. ser., 53: 394-8. Hanna, J. A. Acquired hemolytic icterus, or atypical hemolytic anemia; case report. *Memphis M. J.*, 1938, 13: 9. Heilmeyer, L. Die hämolytische Hypersplenie; Beitrag zur Frage des erworbenen hämolytischen Icterus. *Beitrag zur Frage des erworbenen hämolytischen Icterus*. *Deut. Arch. klin. Med.*, 1935, 178: 89-102. Imrie, Acquired acholuric jaundice. *Tr. R. Med. Chir. Soc. Glasg. & W.*, 55. Kämmerling, H. Ein Beitrag zur Diagnose und Therapie des symptomatischen hämolytischen Icterus. *Med. Welt*, 1941, 15: 188-90. Lynch, J. H. Acquired hemolytic icterus, with report of a case. *Nebraska M. J.*, 1932, 17: 71-5.
- Meinertz, J. Zur Frage des erworbenen hämolytischen Icterus. *Med. Klin.*, Berl., 1933, 29: 539. Ottenberg, R. Secun lary acquired hemolytic icterus. *J. Mount Sinai Hosp.*, N. York, 1934, 1: 154-7. Paschik, K. Ueber den Iktus haemolyticus (gibt es einen erworbenen hämolytischen Icterus?). *Wien. klin. Wschr.*, 1930, 43: 166-8. Preidl, H. Icterus haemolyticus als Unfallfolge. *Münch. med. Wschr.*, 1931, 75: 1298-300.
- Fastetter, J. W., & Murphy, F. D. Acquired hemolytic jaundice. *Am. J. Digest. Dis.*, 1937-38, 4: 875-16. Reynolds, G. P. A case of acquired hemolytic jaundice with unusual features and improved by splenectomy. *Am. J. M. Sc.*, 1930, 179: 549-53. Röpke. Die hämolytische Hypersplenie; zur Frage des erworbenen hämolytischen Icterus. *Zbl. Chir.*, 1936, 63: 1607. — Zur Frage des erworbenen hämolytischen Icterus. *Ibid.*, 973-5. Salah, M. Studies on lytic icterus. *Ibid.*, 973-5. Salah, M. Egypt. M. Ass., 1936, 19: 205-28. Swan, W. G. A. A case of chronic acquired haemolytic anemia treated by splenectomy. *Newcastle M. J.*, 1938, 18: 173-80. Thomson, A. P. Acholuric jaundice with increased fragility of the red blood corpuscles appearing after splenectomy. *Lancet*, Lond., 1933, 2: 1139-41. Warner, E. C. Acquired acholuric jaundice, with acquired fragility of red cells. *Proc. R. Soc. M.*, Lond., 1933, 26: Sect. Child., 1375. Waugh, T. R. Acquired hemolytic jaundice in a woman: previously splenectomized for essential thrombocytoemia. *Fol. haemat.*, Lpz., 1932, 48: 248-60. Weber, F. P. Case described as acquired acholuric (haemolytic) jaundice in 1909. *Proc. R. Soc. M.*, Lond., 1937-38, 31: 555. Wippert, R. Beitrag zur operativen Behandlung bei einem Fall von erworbenem hämolytischen Icterus. *Münch. med. Wschr.*, 1936, 83: 928.

— hemolytic, acquired: Acute type.

See also Anemia, hemolytic, acute (Lederer type)

Castellanos, A., & Montero, R. Anemia hemolítica aguda de Lederer por el bacilo de Eberth; presentación de un caso clínico. *Arch. med. int.*, Habana, 1940, 6: 232-46. Dameshek, W., & Schwartz, S. O. Acute hemolytic anemia (acquired hemolytic icterus, acute type) *Medicine*, Balt., 1940, 19: 231-327. Spangenberg, J. J., & Rossi Belgrano, C. Ictericia hemolítica adquirida; consideraciones sobre un caso agudo. *Dia méd.*, B. Air., 1932-33, 5: 253.

— hemolytic: Complication.

Brändli, S. Hämolytischer Icterus (hämolytische Konstitution) und Magenveränderungen. *Schweiz. med. Wschr.*, 1939, 69: 149. — Curcchmann, H. Ueber funikuläre Myelose bei hämolytischem Icterus. *Deut. Zschr. Nervenhe.*, 1931, 122: 119-25. — Delheke, R., & Van Bogaert, L. Les myélites funiculaires en dehors de l'anémie pernecieuse; une paraplégie à type de compression au cours d'un ictere hémolytique. *An. méd.*, Par., 1933, 34: 382-97. — Dumas, A. Troubles fonctionnels cardiaques au cours d'un ictere hémolytique. *Lyon méd.*, 1934, 154: 96-8. — Eppinger, H. Ulcera graves difficiliter curabiles en la ictericia hemolitica. *Dia méd.*, B. Air., 1929-30, 2: 812. — Ueber schwer heilbare Fussgeschwüre bei hämolytischem Icterus. *Klin. Wschr.*, 1930, 9: 10-2.

Froment, R., & Bornet, H. Gros cœur et insuffisance cardiaque dans un cas d'ictère hémolytique évoluant depuis plus de 30 ans. *Lyon méd.*, 1934, 153: 740-4. — Gottron. Ulcera cruris bei hämolytischem Icterus. *Zbl. Haut Geschlkr.*, 1939, 62: 257. Harris, K. E. Acholuric jaundice, a sociated with purpura. *Proc. P. Soc. M.*, Lond., 1933, 26: 369. — Jansen [Eczema in a patient with hemolytic jaundice] *Ned. tschr. g. nec k.*, 1934, 78: 4914. — Laux, F. J. Unterschenkelgeschwür bei hämolytischem Icterus. *Klin. Wschr.*, 1931, 10: 403. — McGovern, J. J. Hemolytic jaundice with ulceration of the skin. *Arch. Derm. Syph.*, Chic., 1940, 41: 408. — Marinello, A. Probabile dermatofito seguito da grave ittero di doppia natura emolitica. *Prat. pediat.*, Milano, 1935, 13: 61-5. — Marncelli, P. Sulle sindromi miste di ittero emolitico e di anemia perniciosa; contributo anatomico-clinico in soggetto lieitico. *Poli-clinico*, 1940, 47: sez. med., 108-25. — Sannicciola, G. Sin-

— hemolytic, acquired (Hayem-Widal type)

See also subgroups of Icterus, hemolytic (infectious; toxic) also Icterus, pregnancy; also Spleen, Injury.

JACOBI, T. *Ein Beitrag zur Kenntnis der erworbenen haemolytischen Icterus [Basel] 34p. 22cm. Münch., 1937.

OTTO, C. *Zur Frage des erworbenen haemolytischen Icterus [Berlin] 29p. 8. Charlottenb., 1932.

WITTRIN, E. *Haemolytischer Icterus nach Milztrauma. 23p. 8. Königsb., 1925.

Adler, A. Ein Beitrag zur Frage des erworbenen hämolytischen Icterus. *Münch. med. Wschr.*, 1929, 76: 454. — Antonelli, G. A proposito della forma da me per il primo descritta e dimostrata, 1912-13, di ittero emolitico acquisito con anemia a tipo pernecioso e del successo terapeutico, in essa, della splenectomia. *Poli-clinico*, 1939, 46: sez. prat., 1100-4. — Bruni, G. Caso d'ittero emolitico acquisito efficientemente curato mercè opoterapia epatica; raffronto con casi di anemia perneciosa progressiva sottoposti allo stesso trattamento. *Clin. med. ital.*, 1929, 60: 416-30. — Collina, G. Contributo allo

drome di Schamberg su base ittero-anemica emolitica. Gior. ital. dermat., 1932, 73: 1570-94. pl.—**Seelig, S., & Jaffé, K.** Unterschenkelgeschwüre bei hämolytischem Ikterus. Klin. Wschr., 1930, 9: 840.—**Snelling, C. E., & Brown, A.** A case of hemolytic jaundice with bone changes. J. Pediat., S. Louis, 1936, 8: 330-7.

— hemolytic: Complication: Gänsslen syndrome.

See also Osteoporosis; Oxycephaly; Skeleton, Abnormity.

Acuña, M. Alteraciones radiológicas del esqueleto en la ictericia hemolítica congénita. Prensa méd. argent., 1937, 24: 1878-83. — **Debré, R.** Altérations radiologiques du squelette dans l'ictère hémolytique congénital. Bull. Soc. méd. hôp. Paris, 1937, 3. ser., 53: 1528-35.—**Caffey, J.** The skeletal changes in the chronic hemolytic anemias (erythroblastic anemia, sickle cell anemia and chronic hemolytic icterus) Am. J. Roentg., 1937, 37: 293-324.—**Cathala, J., Ducas, P., & Abaza.** Anémie splénique hémolytique et dystrophie crânienne; syndrome de Gänsslen. Bull. Soc. méd. hôp. Paris, 1935, 3. ser., 51: 1655-61.—**Cooper, E. L.** Familial acholuric jaundice associated with bone changes. Ann. Int. M., 1941-42, 15: 858-68.—**Friedman, L. J.** Osseous changes in hemolytic icterus. Am. J. Roentg., 1928, n. ser., 20: 440-4.—**Mikulowski, W.** [Case of conical skull and hemolytic jaundice] Polska gaz. lek., 1927, 6: 403-6. Also Arch. méd. enf., 1928, 31: 31-6.—**Noordenbos, W.** [Occurrence of congenital hemolytic jaundice combined with mongolism, tower-shaped skull and other skeletal abnormalities in a child of 6] Ned. tschr. geneesk., 1929, 73: 1012-7, pl.

— hemolytic, congenital.

See Ikterus, neonatal, hemolytic.

— hemolytic: Diagnosis and symptoms.

CAYLA, A. E. V. *L'épreuve du choc au froid dans les icteres hémolytiques. 63p. 8° Par., 1927.

ROSENBERG, J. *Schwierigkeiten der klinischen und anatomischen Diagnose des hämolytischen Ikterus [Berlin] p.288-326. 8° Münch. 1926.

Also Frankf. Zschr. Path., 1926, 34:

Buus Hansen, A. [Adrenalin reaction in hemolytic jaundice and other forms of anemia] Ugeskr. laeger, 1936, 98: 739-45.—**Grob, M.** Beiträge zur Symptomatologie und Therapie des hämolytischen Ikterus im Kindesalter (Fieberkrisen, abdominelle und hämolytische Krisen, hämorrhagische Diathese) Jahrb. Kinderh., 1934, 3. F., 92: 163-86.—**Johns, F. M.** The differential diagnosis of hemolytic jaundice. N. Orleans M. & S. J., 1927-28, 80: 375-89.—**Sarty, P., & Enselme, J.** La réaction d'Hymans van den Bergh dans les icteres hémolytiques. Lyon méd., 1934, 153: 537-43.—**Scherk, G.** Zur Diagnose des hämolytischen Ikterus. Deut. med. Wschr., 1931, 57: 1146-8.—**Sharpe, J. C.** The diagnosis and treatment of anemia; hemolytic anemia. Nebraska M. J., 1936, 21: 179-81.

— hemolytic, familial.

See also Splenomegaly.

BAUDRY, C. *Contribution à l'étude de l'ictère hémolytique familial. 45p. 8° Par., 1926.

BAUMGARTEN, P. S. *Hämolytischer Ikterus bei einem zweieiigen Zwilling und seinem Vater. 14p. 8° Münch., 1925.

GRIPWALL, E. Zur Klinik und Pathologie des hereditären hämolytischen Ikterus. 290p. 8° Upps., 1938.

Forms Suppl. 96, Acta med. scand.

LLOYD, T. W. On the aetiology of acholuric family jaundice. 51p. 26cm. [Smethwick, Engl.] 1940.

MOHR, A. *Die Vererbung des hämolytischen Ikterus mit Berücksichtigung des Gesetzes zur Verhütung erbkranken Nachwuchses. 29p. 21cm. [Münster] 1937.

RAMADIER, F. *Splenomégalie hémolytique familiale. 104p. 8° Par., 1933.

Abrahams, A. Two cases of familial acholuric jaundice in brothers. Proc. R. Soc. M., Lond., 1927-28, 21: Sect. Clin., 106.—**Andersen, O.** [Case of familial hemolytic anemia in an infant] Ugeskr. laeger, 1939, 101: 615.—**Ashby, H. T.** Congenital acholuric jaundice in an infant and mother. Brit. M. J., 1940, 1: 690.—**Barber, H.** Familial acholuric jaundice; a family with 4 members affected. Guy's Hosp. Rep., Lond.,

1934, 84: 37-40.—**Bettoni, I.** Ikterio emolitico familiare con aumento della resistenza osmotica dei globuli rossi. Minerva med., Tor., 1935, 26: 278-83.—**Campbell, J. M. H., & Warner, E. C.** Heredity in acholuric jaundice. Q. J. Med., Oxf., 1925-26, 19: 333-55.—**Carrière, G.** Sur un cas d'ictère hémolytique congénital et héréditaire. In Libro de oro M. R. Castex, B. Air., 1938, 2: 207-22.—**Cowen, S. O.** Familial acholuric jaundice. Med. J. Australia, 1935, 2: 448.—**Dacie, J. V.** Observations on autohaemolysis in familial acholuric jaundice. J. Path. Bact., Lond., 1941, 52: 331-40.—**Dameshek, W.** Familial hemolytic crisis: report of 3 cases occurring within 10 days. N. England J. M., 1941, 224: 52-6.—**Debler, K.** Familiäre hämolytische Anämie. Zschr. Kinderh., 1939, 61: 198-205.—**Debré, R., Lamy, M., & Baudry, C.** Sur une famille de sujets atteints d'ictère hémolytique congénital. Bull. Soc. méd. hôp. Paris, 1926, 3. ser., 50: 1023-33.—**Debré, R., Lamy, M.** [et al.] La maladie hémolytique familiale. Ibid., 1936, 3. ser., 52: 797-810. — Congenital and familial hemolytic disease in children. Am. J. Dis. Child., 1938, 56: 1189-214.—**Doll, Ueber familiären hämolytischen Ikterus (familiäre hämolytische Anämie) Mitt. Grenzgeb. Med. Chir., 1926, 40: 12-33.—Else, J. E.** Familial hemolytic icterus. Surg. Clin. N. America, 1933, 13: 19-24.—**Evans, C.** Familial acholuric jaundice. S. Barth. Hosp. J., Lond., 1930-31, 38: 25-8.—**Falconer, E. H.** Familial hemolytic icterus associated with endocrine dysfunction. Endocrinology, 1936, 20: 174-9.—**Fellendorf, S.** Hereditär-hämolytischer Ikterus, kompliziert durch erworbenen Ikterus. Misch. Kinderh., 1927, 36: 377-80.—**Fiessinger, N., Olivier, H. R., & Ramadier, F.** La splénomégalie hémolytique familiale. Bull. Soc. méd. hôp. Paris, 1933, 3. ser., 49: 1189-93.—**Fröhlich, A.** [Case of familial hemolytic icterus] Lijet. vjes., 1940, 62: 459.—**Greppi, E.** Ikterio emolitico familiare con aumento della resistenza dei globuli. Minerva med., Tor., 1928, 8: pt. 2, 1-11.—**Gunn, C. H.** Hereditary acholuric jaundice in a new mutant strain of rats. J. Hered., 1938, 29: 137-9.—**Hannay, J. W.** Acholuric familial jaundice in the third (fourth) generation of manifestation of the disease. Proc. R. Soc. M., Lond., 1936-37, 30: 1073. Also Brit. J. Child. Dis., 1941, 38: 65.—**Hawkesley, J. C.** The significance of the changes in diameter of the erythrocytes in familial acholuric jaundice. J. Path. Bact., Lond., 1936, 43: 565-73.—**Hill, J. M.** Dimensions of the red cells in familial hemolytic anemia with particular reference to atypical cases. J. Am. M. Ass., 1938, 111: 2179-83.—**Hittmair, A., & Auhuber, M.** Ikterus haemolyticus beziehungsweise familiäre hämolytische Anämie mit besonderer Berücksichtigung der Blutgruppenvererbung. Fol. haemat., Lipz., 1930, 42: 80-90.—**Ibrahim, M., Ghalioungui, P., & El Moslimani, A.** Familial acholuric jaundice. J. Egypt. M. Ass., 1936, 19: 140-4.—**Joyce, J. L., & Mills, J.** Three cases of familial acholuric jaundice. Proc. R. Soc. M., Lond., 1933, 26: 366-8.—**Kaufman, J. F.** Familial hemolytic jaundice. J. M. Soc. N. Jersey, 1936, 33: 150-2.—**Kiveliovich, M. S., & Charno, T. V.** [Clinical genetic examination of familial hemolytic jaundice] Ter. arkh., 1941, 19: 160-6.—**Koenen, O.** Ein Familienstammbaum von hämolytischem Ikterus. Zschr. klin. Med., 1938-39, 135: 115-22.—**Laederich, L., Mamou, H., & Beauchesne, H.** Ictère hémolytique congénital et familial. Paris méd., 1934, 93: 277-81.—**Lemieux, R.** Un cas d'ictère hémolytique congénital familial. Bull. Soc. méd. hôp. Québec, 1933, 120-4.—**Lesné, E., Leunay, C., & Hurez, J.** Maladie hémolytique familiale. Bull. Soc. pédiat. Paris, 1935, 33: 445-54.—**Lichtenstein, A.** A case of haemolytic jaundice with grave anaemia in a brother and sister. Acta paediat., Upps., 1933-34, 15: 100. — [Hemolytic jaundice with grave anaemia in sisters] Hygiea, Stockh., 1934, 96: 184.—**Lirper, M.** Hemolytic icterus, familial type. Kentucky M. J., 1935, 33: 143-5.—**Manson, J. S.** Hereditary icterus or familial acholuric jaundice. Brit. M. J., 1928, 1: 131.—**Michelszki, A. M.** Anemia emolitica familiare con sintomatologia nervosa. Rass. fisiopat., 1940, 12: 145-62.—**Micheli, F., & Dorinici, G.** Recherches sur une forme d'ictère hémolytique congénital et familial avec bilirubinémie atypique. Sang. Pur., 1932, 6: 953-61.—**Montgomery, L. C.** A case of familial haemolytic icterus. Canad. M. Ass. J., 1941, 45: 264-6.—**Noel, R.** De quelques modifications subies par les éléments du réticulum splénique dans l'ictère hémolytique familial. Bull. histol. appl., Lyon, 1939, 16: 113-7.—**Nowak, H.** Ein Stammbaum von erblichem hämolytischem Ikterus. Deut. med. Wschr., 1934, 60: 553.—**Nussbrecher, A. M.** Two cases of acholuric jaundice (with a note on the effect of adrenalin before and after splenectomy) Middlesex Hosp. J., 1936, 36: 139-41.—**Porta, V.** Contributo clinico alla conoscenza dell'ittero splenomegalico familiare. Clin. med. ital., 1933, 64: 107-30.—**Race, R. R., Taylor, G. L., & Vaughan, J. M.** A genetic investigation of acholuric jaundice. Proc. Internat. Genet. Congr. (1939) 1941, 7. Congr., 244.—**Rassieur, L.** A clinical study of congenital and familial hemolytic icterus. Tr. West. Surg. Ass., 1937, 47: 107-20.—**Sansone, L.** Splenomegalia emolitica costituzionale con microcitosi vera ipocromica ed aumento della resistenza osmotica (massina). Arch. sc. med., Tor., 1938, 65: 1-20.—**Scott, A. M.** Acholuric jaundice; the serial onset of acute blood crises in an entire family. Lancet, Lond., 1935, 2: 872-4.—**Searls, H. H.** A family with hemolytic icterus. West. J. Surg., 1941, 49: 294-8.—**Sjövall, E., & Ivarsson, G.** [Changes in spleen in familial hemolytic jaundice] Fin. läk. säll. handl., 1929, 71: 886-904.—**Tage-Hansen, C.** [Familial hemolytic icterus] Hospitalstidende, 1926, 69: [Jydske med. Selsk. Forh.] 166-9.—**Van Dijk, C. G. L., & Pijper, A.** A case of familial hemolytic ikterio-anemia. Lancet, Lond., 1929, 1: 182.—**Van Roy, M., &**

Verschraegen, T. Etude d'une famille atteinte d'ictère hémolytique congénital. Bruxelles méd., 1936-37, 17: 1617-26. — **Watson, C. J.** Concerning the naturally occurring porphyrins; the isolation of a hitherto undescribed porphyrin occurring with an increased amount of coproporphyrin I in the feces of a case of familial hemolytic jaundice. J. Clin. Invest., 1935, 14: 119-5. — **Waech, T. R., & Lamortagne, H.** Some observations upon a case of hereditary hemolytic jaundice. Am. J. M. Sc., 1940, 139: 172-81. — **Weber, F. P.** A hemolytic jaundice family. Internat. Clin., 1931, 41. ser., 3: 148-56. Also in Barker Festschrift, 1932, 148-56. — **Westrienen, A., & Ruzette, E.** [Familial hemolytic jaundice in a newly born] Mschr. kindergeneesk., 1935, 4: 112-9. — **Zamfir, D., Tomecu, I., & Iancu, I.** Ictère hémolytique congénital familial avec résistance globulaire accrue. Bull. Soc. méd. hôp. Bucarest, 1939, 21: 258-64.

— hemolytic, familial: Constitutional type (Minkowski-Chauffard)

See also Anemia, hemolytic; Anemia, sickle cell; Erythroblastosis; Icterus, neonatal, familial; Splenomegaly, familial.

BAMATTER, F. *Recherches anatomo-cliniques sur l'ictère hémolytique constitutionnel familial; contribution à l'étude des formations myéloïdes [Genève] 62p. 8° Par., 1932.

Also Sang, Par., 1932, 6: 1-56.

HIRLEMANN, A. *Sur l'ictère hémolytique constitutionnel et la splénectomie. 39p. 8° Genève, 1933.

Also Schweiz. med. Wschr., 1933, 63: 1309; 1334.

JESTÄDT, A. E. *Chronischer hereditärer hämolytischer Icterus mit tödlichem Ausgang. 38p. 8° Würzb., 1926.

MEULENGRACHT, E. Der chronische hereditäre hämolytische Icterus (konstitutionelle Hyper-splenie) eine nosographische Studie. 226p. 8° Lpz., 1922.

WERTHEMANN, H. *Ein Beitrag zur Kenntnis des konstitutionellen hämolytischen Icterus [Basel] 27p. 8° Laupen b. Bern, 1927.

Angelini, G. Forma sporadica di ittero emolitico costituzionale. Clin. med. ital., 1936, 67: 5-39. — **Cherney, W. F., & Cheney, G.** Chronic hereditary hemolytic jaundice, with a report of 8 cases and notes on measurement of the size of erythrocytes. Am. J. M. Sc., 1934, 187: 191-213. — **Copello, O.** La ictericia hemolitica constitucional; la esplenectomia como tratamiento de la misma; su experiencia en la Argentina. Sem. méd., B. Air., 1933, 40; pt 2, 1225-32. — **Deleonardi, S.** Sulle discordanze fra emolisi in vitro ed emodistruzione in vivo nell'ittero emolitico costituzionale (a proposito di un caso a tendenza poliglobulica) Riforma med., 1935, 51: 547-50. — **Dominici, G.** Osservazioni sugli effetti clinici, ematologici e biologici recenti e lontani al seguito della splenectomia e sei casi di ittero emolitico costituzionale. Haematologica, Pavia, 1936, 17: 185-249. — **Dutton, W. F.** Chronic hereditary and familial hemolytic jaundice with splenomegaly and hepatomegaly; observations on 5 cases under study. Med. J. & Rec., 1926, 124: 530-4. — **Edlmeier, E.** [Constitutional hemolytic anemia: hemolytic jaundice, familial acholuric jaundice] Askeri silhhiye mecmuasi, 1940, 69: 59-65. — **Ferro, A.** Su di un caso di ittero emolitico splenomegalico costituzionale. Clin. pediat., Mod., 1930, 12: 591-8. — **Gänsslen, M.** Der hämolytische Icterus und die hämolytische Konstitution. Klin. Wschr., 1927, 6: 929-33. — **Die hämolytische Konstitution (Konstitutioneller hämolytischer Icterus, hämolytische Anämie, Kugelfellenkrankheit)** Klin. Fortbild., 1936-37, 4: 697-52. — **Konstitutionelle hämolytische Anämien.** Klin. Wschr., 1940, 19: 670 (microfilm). Also Med. Klin., Berl., 1940, 36: 723 (microfilm). — **Gasbarrini, A.** Splenomegalia emolitica costituzionale con cirrosi epatica atrofica ascitica e trombosi della vena splenica. Policlinico, 1937, 44: sez. prat., 1101-8. — **Greppi, E.** L'iperglobulia microcitica (microcitosi vera) con aumento della resistenza osmotica massima come varietà ematologica nel quadro dell'ittero emolitico primitivo. Minerva med., Tor., 1931, 22: 189. — **Scott-Douglas, R.** La valutazione quantitativa della resistenza globulare in vitro nei limiti della massa sanguigna individuale; sul vario contegno della resistenza nell'ittero emolitico costituzionale. Policlinico, 1931, 38: sez. med., 533-56. — **Ingrassia, G.** Iperemolisi costituzionale con microcitosi ed aumento della resistenza globulare. Clinica, Bologna, 1938, 4: 185-93. — **Jacarelli, E.** Contributo allo studio dell'ittero emolitico; ittero emolitico costituzionale sporadico con sindrome discrinica pluriadolare guarita con la splenectomia. Policlinico, 1933, 40: sez. med., 632-48. — **Jacobsen, A. T. B.** [Chronic hereditary hemolytic icterus with crisis] Hospitalstidende, 1926, 69: [Lysk med. selsk. forh.] 164-6. — **Löwinger, S.** Das Bild des Knochenmarkes bei der Konstitutionellen hämolytischen Anämie (Icterus haemolyticus). Fol. haemat., Lpz., 1935-36, 54: 27-32. — **Lucchi, G., & Mucci, D.** Contributo allo

studio dell'ittero emolitico costituzionale; ereditarietà e splenectomia. Minerva med., Tor., 1930, 21: pt 2, 46-51. — **Meulengracht, E.** Chronic hereditary hemolytic jaundice. In Handb. Hemat. (Downey, H.) N. Y., 1938, 3: 2283-327. — **Momigliano Levi, G.** Studi sulla resistenza globulare osmotica; valutazione dei dati statistici delle curve di emolisi osmotica in casi di ittero emolitico costituzionale. Arch. sc. med., Tor., 1935, 69: 873-84.

Modificazioni della resistenza osmotica di globuli trasfusi prima e dopo la splenectomia in un caso di ittero emolitico costituzionale. Haematologica, Pavia, 1935, 16: 1001-19. — **& Burati, A.** Conseguenze immediate e remote della splenectomia sulle curve eritrocitometriche, reticulocitometriche e di resistenza osmotica dei globuli rossi in casi di ittero emolitico costituzionale. Arch. sc. med., Tor., 1935, 59: 717-40. — **Navarro, R. J., & Cruz, I. R.** Hematologic findings in chronic hemolytic anemia, familial jaundice. J. Philippine M. Ass., 1940, 20: 567-70, tab. — **Semah, F.** L'ittero emolitico costituzionale. Riv. clin. pediat., 1937, 36: 97-106. — **Sharpe, J. C.** Hemolytic jaundice; a clinical analysis of 28 cases. Ann. Int. M., 1940, 41, 14: 953-9. — **Smith, G. O.** Chronic hereditary hemolytic jaundice. J. Am. M. Ass., 1935, 105: 1187. — **Usseglio, G., Massobrio, E., & De Mattia, P.** Appunti e considerazioni a proposito dell'ipereemolisi costituzionale con eritromerocitosi ipocromica. Minerva med., Tor., 1935, 26: 449-57. — **Vignolo, U., & Semah, F.** Sopra un caso di ittero emolitico costituzionale. Riv. clin. pediat., 1937, 36: 385-96.

— Hemolytic, familial: Constitutional type, erythroblastic.

Acuña, M., & Bonduel, A. A. Alteraciones hepáticas en el curso de las anemias eritroblásticas: ictericias eritroblásticas. Prensa med. argent., 1938, 25: pt 2, 2411-53. — **Della Volta, A.** Splenomegalia emolitica familiare eritromica (sindrome di Cooley) Arch. pat., Bologna, 1935-36, 15: 34-74. — **Danti, G.** Anemia splenomegalica emolitica con eritroblastosi, tipo Cooley. Oss. maggiore Novara, 1934, 12: 626-63. — **Ferraro, F.** Contributo casistico alla sindrome di Cooley; anemia splenomegalica emolitica familiare con eritroblastosi e alterazioni scheletriche osteoporotiche. Riforma med., 1937, 53: 1622-6. — **Ferri, U.** Ictero emolitico con eritroblastosi in un lattante. Policlinico (Riv.) 1923, 36: 93-5. — **Fansali, G.** Mieloblastosi familiare e diatesi emolitica nei consanguinei di una inferma affetta da ittero emolitico familiare. Arch. Ist. biolchim. ital., 1931, 3: 283-394, pl. — **Fantos, C. M., Vislitta, V. O., & Celler, R. A.** Dos nuevos casos de ictericia eritroblástica. Arch. argent. med., 1941, 16: 412; 1942, 17: 165-74. — **Froisier, J., & Cattani, R.** Ictère hémolytique avec leuco-erythroblastose; splénectomie; guérison datant de 6 ans. Bull. Soc. méd. hôp. Paris, 1933, 3. ser., 54: 1641-4. — **Varz, C., & Khoo, F.** Hemolytic anemia with erythroblastemia; a report of 3 cases seen in Chinese infants. Chin. M. J., 1940, 8: 177-92, 2 pl.

— hemolytic, familial: Constitutional type, macrocytic.

Lambie, C. G. Macrocytosis in hereditary haemolytic anaemia, acholuric jaundice, with report of a case. Med. J. Australia, 1938, 2: 285-7.

— hemolytic, familial: Constitutional type, sphaerocytic.

Branch, C. D. Congenital hemolytic jaundice, spherocytic jaundice. Illinois M. J., 1941, 89: 235-8. — **Iatrozzi, P.** Anemia ipocromica splenomegalica con ovalocitosi (ellipticitosi) poichilocitosi ed aumento della resistenza osmotica dei globuli rossi; splenectomia. Haematologica, Pavia, 1935, 16: 525-79. — **Israels, M. C. G., & Wilkinson, J. F.** Haemolytic (spherocytic) jaundice in the adult. Q. J. Med., Oxf., 1938, ser. 7, 25: 137-50, 2 pl. — **Weber, F. P.** A member of an acholuric (spherocytic) jaundice family described in 1910. Proc. R. Soc. M., Lond., 1937-33, 31: 551; 917.

— hemolytic, familial: Treatment.

BERNSTEIN, L. *L'ictère hémolytique familial chez l'enfant et son traitement par la splénectomie. 43p. 8° Par., 1935.

KÜHNE, H. J. *Ein Beitrag zur Frage der Milzexstirpation bei familiärem hämolytischen Icterus, nach eigenen Beobachtungen bei einer hämolytischer Familie und zwei Splenektomien [Berlin] 23p. 8° Angermünde, 1935.

SCHLEISS, K. [J. E.] *Erfahrungen über Unterbindung der Milzarterie beim chronischen hereditären hämolytischen Icterus. 20p. 8° [Berl.] 1931.

Beckman, T. M., & Jaderholm, K. B. Contribution to the knowledge of familial hemolytic icterus in Sweden with particular reference to results of operation. Acta chir. scand., 1931-32, 69: 353-77. — **Carosini, G.** Ictero emolitico cronico acholurico splenomegalico; splenectomia; guarigione. Riforma med., 1938, 54: 919-7. — **Cowen, S. O.** Treatment of familial acholuric jaundice. Brit. M. J., 1936, 1: 699-2. Also Med. J.,

Australia, 1936, 1: 265-8.—**Di Gianni, E.** Splenectomy per itero emolitico splenomegalico costituzionale in fanciullo. Gazz. internaz. med. chir., 1932, 40: 102-10.—**Dudley, G. S.** Familial hemolytic jaundice; splenectomy: 2 cases. Surg. Clin. N. America, 1936, 16: 830-42.—**East, T.** Haemolytic acholuric jaundice with splenomegaly and normal erythrocyte fragility treated by splenectomy. Proc. R. Soc. M., Lond., 1934, 27: clin. sec., 643.—**Glover, D. M., & Fargo, W. C.** Familial hemolytic jaundice; clinical study of a case before and after splenectomy. Ohio M. J., 1933, 29: 428-32.—**Hawksley, J. C., & Bailey, U. M.** The mean diameter of the erythrocytes in acholuric family jaundice and the effects of splenectomy. Lancet, Lond., 1934, 2: 1329-31.—**Loop, F. A.** Splenectomy in mother and daughter for familial haemolytic jaundice. Ann. Surg., 1934, 100: 518-22.—**Familial haemolytic jaundice; splenectomy in mother and daughter.** J. Indiana M. Ass., 1935, 28: 77-9.—**McLaughlin, C. W.** Familial hemolytic jaundice; a study of the results of surgical therapy. Surgery, 1942, 12: 419-25.—**Makar, N.** Results of splenectomy in a family with acholuric jaundice. J. Egypt. M. Ass., 1938, 21: 13-22.—**Paxton, W. T. W.** Four cases of familial acholuric jaundice: the effect of splenectomy on red cell morphology. Arch. Dis. Childh., Lond., 1935, 10: 421-8.—**Wise, W. D.** Hemolytic jaundice; report of 5 splenectomies in one family. Tr. South. Surg. Ass., 1933, 45: 494-508. Also Am. J. Surg., 1933, 20: 722-36.

— hemolytic, hematinic.

Schmidt, H. Beitrag zum Hämatinikerus. Münch. med. Wschr., 1929, 76: 1129.

— hemolytic, hemoglobinuric (Marchiafava-Micheli)

See Hemoglobinuria, nocturnal.

— hemolytic, hemolysin (Chauffard-Troisier)

See also Hemolysin; Hemolysis, Pathological aspect.

Dameshek, W., Schwartz, S. O., & Gross, S. Hemolysins as the cause of clinical and experimental hemolytic anemias with particular reference to the nature of spherocytosis and increased fragility. Am. J. M. Sc., 1938, 196: 769-92.—**Farrar, G. E., Jr., Burnett, W. E., & Steigman, A. J.** Hemolysin anemia and hepatic degeneration cured by splenectomy. Ibid., 1940, 200: 164-72; pl.—**Le Calvé, J.** Ictère hémolytique par choc anaphylactique. Presse méd., 1926, 34: 1395-7.—**Mosquera-Ferres, V.** Ictericas hemolíticas. An. Soc. méd. quir. Guayas, 1936, 27: 325; 357.—**Reisner, E. H., Jr., & Kaikstein, M.** Auto-hemolysin anemia with auto-agglutination; improvement after splenectomy. Am. J. M. Sc., 1942, 203: 313-22.

— hemolytic, infectious.

See also Icterus, hemolytic, acquired; also names of primary diseases and infectious agents as Clostridium, welchii; Endocarditis, ulcerativa; Malaria; Undulant fever, etc.

Beker, J. C. [Hemolytic jaundice in abortions] Geneesk. tschr. Ned. Indië, 1937, 77: 7-12.—**Brulé.** Deux cas d'ictère hémolytique à trichocéphales. Bull. Soc. méd. hôp. Paris, 1931, 3. ser., 47: 960-5.—**Cathala, J., Armingat, M., & Gouven, E.** Ictère hémolytique et bronchiectasie; splénectomie. Bull. Soc. pédiat. Paris, 1934, 32: 123-9.—**Lyon, R. M. M.** Acholuric jaundice complicated by Bacillus coli septicaemia. Edinburgh M. J., 1931, n. ser., 38: 266-73.—**McGovern, B. E.** Hemolytic jaundice apparently caused by Bacillus welchii. Colorado M. J., 1929, 26: 46.—**Petteruti, G.** Sulla dottrina dell'itterizia ematogena a proposito di alcuni casi d'itterizia comitante le febbri palustri; nefrite parenchimale acuta consecutiva alle stesse. Bull. Ass. natur. med., Nap., 1871, 2: 64-80.

— hemolytic: Pathogenesis.

MORALI, A. *Contribution à l'étude des ictères hémolytiques. 320p. 24cm. Alger, 1934.

Arcangeli, U. Etiologia dell'ittero emolitico e forme morbose affini. Boll. Accad. med. Roma, 1937, 63: 227-9.—**Chauffard & Minkovsky** [Pathogenesis of hemolytic jaundice] Geneesk. tschr. Ned. Indië, 1940, 80: 427-34.—**Dawson of Penn.** The Hume lectures on haemolytic icterus. Brit. M. J., 1931, 1: 921; 963, 2 pl.—**Doan, C. A., Wiseman, B. K., & Erf, L. A.** Studies in hemolytic jaundice. Ohio M. J., 1934, 30: 493-504.—**Faure-Beaulieu.** Existe-t-il un ictère hémolytique authentique? Rev. crit. path., Paris, 1930, 1: 101.—**Frontali, G.** Icterus haemolyticus mit erhöhter Erythrocytenresistenz. Mschr. Kinderh., 1937, 68: 217-9.—**Rasi, F.** Icteri emolitici con aumentate e con ridotte resistenze eritrocitarie. Minerva med., Tor., 1937, 28: pt 2, 349-56.—**Heilmeyer, L.** Neuere Forschungsergebnisse über die Pathogenese des hämolytischen Icterus. Klin. Wschr., 1939, 18: 661-5.—**Holten, C.** [Observations on hemolytic jaundice] Ugeskr. læger, 1936, 98: 415-8.—**Janovsky, D. N.** [Pathogenesis of hemolytic jaundice] J. méd., Kiev, 1935, 5: 207-12.—**Landau, A., &**

Held, J. [Experimental hemolytic icterus in man and therapeutic value of phenylhydrazin] Polska gaz. lek., 1926, 5: 281-4.—**Lepel, G.** Zur Frage der Pathogenese des hämolytischen Icterus. Deut. Arch. klin. Med., 1937, 180: 245; 1938-39, 183: 552.—**Miassnikov, A. I., & Samarin, G. A.** Ueber die Genese der Gelbsucht bei gesteigertem Erythrocytenzerfall. Zschr. ges. exp. Med., 1930, 71: 40-8.—**Micheli, F., & Dominici, G.** Ricerche sulla forma itterica dell'ittero emolitico. Minerva med., Tor., 1932, 23: pt 2, 33-43.—**Mino, P.** Osservazioni sull'ittero emolitico. Arch. sc. med., Tor., 1931, 55: 663-85.—**Mirsky, I. D.** [Experimental hemolytic jaundice and Eppinger's biliary thrombus] Russ. klin., 1930, 13: 561-7.—**Müller, H. K., & Rintelen, F.** Bestehen Beziehungen zwischen dem hämolytischen Icterus und dem Vorkommen von Pupillarmembranresten? Klin. Mbl. Augenh., 1935, 95: 609-13.—**Netousek, M.** A propos des ictères soi-disant hémolytiques. Presse méd., 1938, 46: 675.—**Neuburger, J.** Beitrag zur Frage des hämolytischen Icterus. Med. Klin., Berl., 1926, 22: 1453.—**Ohno, Y.** Gibt es eine echte hämolytische Gelbsucht? Klin. Wschr., 1929, 8: 2188-91.—**Zur Frage über den hämolytischen Icterus.** Tr. Jap. Path. Soc., 1929, 19: 392-6.—**Payne, R. L.** Relation of the spleen to jaundice. J. Am. M. Ass., 1930, 95: 1064-6.—**Riotti, F.** Les ictères hémolytiques avec augmentation de la résistance globulaire. Ann. méd., Par., 1937, 41: 405-16.—**Salomonsen, L.** Des crises hémolytiques dans l'ictère hémolytique. Acta paediat., Upps., 1926, 5: 309-18.—**Thompson, W. P.** The splenic lesion in hemolytic jaundice. Bull. Johns Hopkins Hosp., 1932, 51: 365-70, pl.—**Varela, M. E.** Sobre la patogenia de los síndromes iteroanémicos por hiperhemólisis. Sem. méd., B. Air., 1935, 42: 321-7.—**Varela Fuentes, B., Canzani, R., & Buño, W.** Ictero hemolitico adiccionado, con diazo-reacción amarilla en el suero durante una crisis de hiperhemólisis. Ibid., 1939, 46: 1177-81.—**Wiseman, B. K.** Fundamental differences between congenital and acquired hemolytic jaundice relating to the hemolytic phenomena. Proc. Centr. Soc. Clin. Res., 1941, 14: 55 (Abstr.).—**Wolff-Eisner, A.** Ueber die Wechselbeziehungen zwischen spezifischer Hämolyse und Resistenzverminderung der Erythrozyten in ihrer klinischen Bedeutung speziell beim hämolytischen Icterus. Münch. med. Wschr., 1926, 73: 1316.

— hemolytic: Pathology.

BONNARD, R. *Les lipoides et en particulier le cholestérol dans les ictères hémolytiques. 129p. 8°. Par., 1933.

GERBER, B. A. *Ueber den Cholesteringehalt der roten Blutkörperchen beim hämolytischen Icterus. 28p. 8°. Weende-Gött., 1935.

Avellone, L. Comportamento delle sierolipasi nell'ittero emolitico. Riv. pat. spec., 1927, 2: 353-8.—**Barlato, P. M.** Sindrome hemolitica; icterias y anemias hemolíticas (esplenomegalias hemolíticas) Prensa méd. argent., 1927, 14: 86; 133.—**Boros, J.** Ueber Grösse, Volumen und Form der menschlichen Erythrozyten und deren Zusammenhang; die Mikrozytose beim hämolytischen Icterus. Wien. Arch. inn. Med., 1926, 12: 255-72.—**Brock, A., & Joffe, A.** Zur Biochemie des hämolytischen Icterus. Klin. Wschr., 1931, 10: 1990.—**Cabot, R. C.** A case of marked anemia with jaundice and splenomegaly; surgical and medical departments; presentation of case. N. England J. M., 1933, 208: 596-8.—**Chabrol, E., Klotz, B., & Sallet, J.** Les frontières de l'ictère hémolytique avec grosse rate; ses formes lymphomateuses. Bull. Soc. méd. hôp. Paris, 1933, 3. ser., 51: 1410-20.—**De Weerd, W.** L'aspect de la moelle osseuse dans l'ictère hémolytique. Sang, Par., 1938, 12: 738-44.—**Elliott, C. A.** Hemolytic jaundice; malignant lymphoma. Proc. Interst. Postgrad. M. Ass. N. America, 1932, 275-8.—**Escudero, P., & Varela, M. E.** La biopsia medular en la ictericia hemolitica. Rev. Soc. argent. biol., 1926, 2: 548-57. Also C. rend. Soc. biol., 1927, 96: 898.—**Gallie, W. E., & Janes, R. M.** Hemolytic jaundice associated with splenomegaly. Canad. M. Ass. J., 1926, 16: 379-83.—**Greppi, E.** Sugli icteri emolitici con aumento della resistenza globulare, e sui microciti massimoresistenti come figura ematologica sui generis. Minerva med., Tor., 1935, 26: 499-15.—**Grunke, W.** Vorübergehende Hemmung der Erythropoesis bei einem hämolytischen Icterus. Fol. haemat., Lpz., 1939, 63: 213-6.—**Harifall, S. J., & Stewart, M. J.** Massive paravertebral heterotopia of bone-marrow in a case of acholuric jaundice. J. Path. Bact., Camb., 1933, 37: 455-9, 2 pl.—**Heilbrun, N.** Marked macrocytic anemia in hemolytic jaundice with findings in the sternal bone marrow and spleen. Arch. Path., Chic., 1937, 24: 406.—**Manini, L.** Contributo anatomo-clinico allo studio degli icteri emolitici. Gior. clin. med., 1927, 8: 41-61.—**Marcussen, P. V.** Damage to the liver on increased destruction of blood. Acta path. microb. scand., 1938, Suppl. 38, 171-3.—**Meyers, F. M.** [The liver in hemolytic jaundice] Ned. tschr. geneesk., 1932, 76: pt 4, 4930-5.—**Morris, R. S.** The similarity and contrast of acholuric jaundice and pernicious anemia. J. Med., Cincin., 1933, 14: 252-4.—**Paschke, K.** Ueber den Urobilinstoffwechsel; Beiträge zur Kenntnis und Wertung der Bluterstörung beim hämolytischen Icterus. Zschr. klin. Med., 1931, 116: 680-6.—**Pizzini, B. R., & Fanelli, Z. F.** Contributo allo studio del riambio nell'ittero emolitico. Riforma med., 1931, 47: 1439-41.—**Salaris, C.** Ictero emolitico perniciosiforme. Gior. clin. med., 1937, 18: 1424-38.—**Santy, P., & Enselme, J.** Etude d'un cas d'ictère hémolytique

recherches sur les pigments d'origine splénique. Lyon méd., 1934, 154: 114-8.—**Specie, R.** Considerazioni a proposito di un caso di ittero emolitico con resistenza globulare aumentata. Minerva med., Tor., 1941, 32: pt 1, 504-8 (microfilm).—**Thompson, W. P.** Pathology of hemolytic jaundice. Arch. Path., Chic., 1932, 14: 428.—**Tötterman, G.** Das Knochenmark bei hämolytischem Ikterus mit einem Beitrag zur Frage nach der Natur der Megaloblasten. Acta med. scand., 1936, 90: 527-42. Also Fin. läk. säll. hand., 1936, 79: 689-701.—**Varela-Fuentes, B., & Canzani, R.** La bilirubinemia en las ictericias hemolíticas; la ictericia adicionada y la diazo-reacción amarilla. Arch. urug. med., 1939, 15: 453-60, tab. Also Sang. Par., 1939, 13: 912-20.—**Vaughan, J. M.** Red cell characteristics in acholuric jaundice. J. Path. Bact., Lond., 1937, 45: 561-77.—**Watson, C. J.** Hemolytic jaundice and macrocytic hemolytic anemia; certain observations in a series of 35 cases. Ann. Int. M., 1938-39, 12: 1782-96.

— hemolytic, simple.

See also Anemia; Hemorrhage.

Arneth. Ueber die anämisch-hämolytische Reaktion mit Ikterus und Milzschwellung (hämolytischer Ikterus) Fol. haemat., Lpz., 1928, 36: 395-7.—**Newman, C. E.** Jaundice caused by large extravasations of blood. Brit. M. J., 1928, 2: 52.—**Pepper, O. H. P., & Wise, H. M.** The diagnosis of hemolytic icteric-anemia in an aplastic phase. Med. Clin. N. America, 1933, 17: 571-80.

— hemolytic: Surgery.

Acuña, M. La esplenotomía en la ictericia hemolítica del niño. An. Fac. med., Montev., 1933, 18: 109-30.—**Alessandri, L.** La ligature de l'artère splénique dans l'ictère hémolytique. P. verb. Congr. fr. chir., 1932, 41: 502.—**Alessandri, R.** Due casi di legatura dell'arteria splenica nell'ictero emolitico. Bull. Accad. med. Roma, 1929, 55: 160-8. Also Rev. cir., B. Air., 1930, 9: 8-15.—**Babonneix, L.** De la splénectomie dans le traitement de l'ictère hémolytique infantile. Gaz. hôp., 1935, 108: 722-4.—**Journal, L.** Ictère hémolytique traité par la splénectomie. Bull. Soc. pédiat. Paris, 1935, 33: 24-8.—**Bell, L. P.** Hemolytic icterus and the technique of splenectomy. Surg. Gyn. Obst., 1930, 50: 606-10.—**Perezov, E. L., & Beloglazova, T. I.** [Thirty years of splenectomy in hemolytic jaundice] Nov. khir. arkh., 1941, 49: 195-203.—**Biello, J. A.** Surgery of the spleen with report of 2 cases of hemolytic jaundice treated by splenectomy. U. S. Nav. M. Bull., 1934, 32: 449-63, pl.—**Bjelke, H.** [Blood count and estimation of cholesterol before and after splenectomy in a 5-year old boy with hemolytic jaundice] Norsk mag. lægevid., 1930, 91: 1087-106.—**Borjaert, R., & Van Damme, J.** A propos d'un cas d'ictère hémolytique; résultats de la splénectomie. Sang. Par., 1940, 14: 236-44.—**Brachetto-Brian, D.** A propósito de las ictericias hemolíticas esplenomegálicas. Bol. Soc. cir. B. Aires, 1932, 16: 260-9.—**Brenizer, A. G.** Hemolytic jaundice. Tr. South. Surg. Ass. (1939) 1940, 52: 332-43. Also Ann. Surg., 1940, 111: 998-1009.—**Brunson, C. W.** Hemolytic jaundice; report of 2 unusual cases with results following splenectomy. U. S. Nav. M. Bull., 1934, 32: 441-9.—**Capecchi, E.** Splenectomy per ittero emolitico. Policlinico, 1933, 40: sez. prat., 414-8.—**Chalier, A.** Splénectomie pour ictère hémolytique. Lyon chir., 1933, 30: 105-7.—**Delez, L.** Deux observations d'ictère hémolytique traité par la splénectomie. Liège méd., 1928, 21: 1555-62.—**Dobos, F., & Erdély, G.** [Hemolytic jaundice treated with splenectomy] Orv. hetil., 1936, 80: 922. Also Zbl. Chir., 1936, 63: 2619-23.—**Durante, L.** Risultati del trattamento dell'ictero emolitico colla legatura dell'arteria splenica e colla splenectomia. Minerva med., Tor., 1931, 22: 504-7.—**Escudero, P., & Varela, M. E.** Estado de la médula ósea en la ictericia hemolítica, antes y después de la esplenectomia. Rev. méd. lat. amer., B. Air., 1928-29, 1011-8, pl.—**Etienne, G., & Hamant, A.** Ictère hémolytique; splénectomie; guérison. Rev. méd. est., 1928, 56: 540-7.—**Falk, R.** Erfolge der Milzextirpation bei hämolytischem Ikterus und essentieller Thrombopenie. Fol. haemat., Lpz., 1939, 63: 185-200.—**Ferro, A.** Il risultato della splenectomia in un caso singolare di ittero emolitico. Clin. pediat., Mod., 1931, 13: 483-91.—**Freund, M.** Hemolytic jaundice not influenced by splenectomy. Am. J. Dis. Child., 1932, 43: 645-54.—**Frieddorf, C.** Milzextirpation bei hämolytischem Ikterus. Mitt. Grenzgeb. Med. Chir., 1928, 40: 127-30.—**Gelderden, van.** Eine neue Anzeige zur Cholezystotomie, beim hämolytischen Ikterus. Med. Klin., Berl., 1940, 35: 634 (Abstr.) (microfilm).—**Gennes, L. de, & Laudat.** Résultats éloignés d'une splénectomie pour ictère hémolytique; évolution de la lipidémie. Bull. Soc. méd. hôp. Paris, 1932, 3, ser., 48: 1417-21.—**Glücksberg, E. S.** [Hemolytic jaundice and splenectomy] Ter. arkh., 1933, 11: 296-308.—**Gordon, A. K., & Maingot, R.** A case of splenectomy for acholuric jaundice presenting certain interesting features. Med. Press & Circ., Lond., 1926, n. ser., 122: 52-4.—**Grégoire, R.** La splénectomie dans l'ictère hémolytique. Bull. gén. clin. thér., 1934, 185: 362-9. — Le traitement chirurgical de l'ictère hémolytique et ses résultats. Presse méd., 1936, 44: 1953-5. — La splénectomie dans l'ictère hémolytique. Schweiz. med. Wschr., 1936, 66: 889. Also Internat. med. W. Schweiz (1936) 1937, 2, Congr., 467-72. — De l'indication opératoire dans l'ictère hémolytique. Arch. ital. chir., 1938, 52: 496-500. Also Paris méd., 1938, 107: 449-51.—**Haden, R. L.** Splenectomy in hemolytic jaundice. Surg. Clin. N.

America, 1941, 21: 1453-64.—**Hannema, L. S.** Two cases of hemolytic icterus treated by extirpation of the spleen. Lancet, Lond., 1926, 1: 18.—**Jacobi & Naegeli, T.** Ueber erfolgreiche Milzextirpation bei Ikterus haemolyticus. Mitt. Grenzgeb. Med. Chir., 1926, 39: 270-5.—**Jayasuriya, J. H. F.** A case of acholuric jaundice (haemolytic icterus) treated by splenectomy. J. Ceylon Br. M. Ass., 1932, 29: 8-14.—**Joss, C. E., Gerardo, M., & Brian, R. M.** Hemolytic jaundice with case presentation and results of splenectomy. J. Kansas M. Soc., 1935, 36: 328-32.—**Joyce, T. M.** Hemolytic icterus. Surg. Clin. N. America, 1933, 13: 77-84.—**Kahn, B. L.** Hemolytic jaundice with recovery by splenectomy. Arch. Pediat., N. Y., 1926, 43: 610-6.—**Kida, P.** Ein Fall von hämolytischem Ikterus, behandelt durch Milzextirpation. Acta paediat. jap., 1937, 43: 46 (Abstr.).—**Kohen, A. L.** [Two cases of splenectomy in hemolytic jaundice] Vest. khir., 1936, 47: 229-32.—**Kozaki, M.** Ein Fall von hämolytischem Ikterus, behandelt durch Milzextirpation. Orient. J. Dis. Inf., Kyoto, 1939, 26: 11.—**Kucharski, T.** [Clinical research on pathogenesis of 2 cases of hemolytic icterus before and after splenectomy] In Opus. clin. int. praefect. scholae san. tuendae, Warszawa, 1927, 80-90.—**Lambert, G., & Secretan, W. B.** A case of acholuric jaundice; splenectomy; recovery. Roy. Berkshire Hosp. Rep., 1933, 158-60.—**Mabille, P., & Lafond.** Splénectomie pour ictère hémolytique. Bull. Soc. méd. Paris, 1931, 590.—**MacErlean, D. A.** A case of acholuric jaundice treated by splenectomy and adrenal injections. Irish J. M. Sc., 1926, 6, ser., 35-7.—**Mikhaileanu, G., Mateescu, V. G., & Sighet, P.** [Two cases of hemolytic jaundice in relation to 2 cases of splenectomy] Cluj. med., 1935, 16: 576-80.—**Minin, N. I.** [Operative treatment of hemolytic jaundice] Sovet. med., 1937, No. 4, 10-4.—**Momigliano-Levi, G., & Bairati, A.** Distribution of the erythrocyte population in regard to diameters and osmotic resistance in splenectomized cases of hemolytic icterus. Am. J. M. Sc., 1935, 190: 610-7.—**Netousek, M.** Postsplenektomische Hyperglobulie bei hämolytischem Ikterus. Klin. Wschr., 1933, 12: 1529-31. — [Hyperglobulia after splenectomy in hemolytic jaundice] Bratisl. lek. listy, 1933, 13: 399-403.—**Patrassi, G.** Su di alcuni aspetti anatomico-clinici degli stati splenopriivi di antica data; il quadro anatomico istologico degli splenectomizzati con riferimento ad un caso di ittero emolitico. Riv. clin. med., 1937, 38: 325-46.—**Pfaff, R.** Durch Milzextirpation geheilter Fall von hämolytischem Ikterus. Zbl. Chir., 1937, 64: 560-3.—**Pittoni, M.** Considerazioni cliniche su alcuni casi di ittero emolitico curati chirurgicamente. Riv. osp., 1940, 30: 103-28.—**Puppe, E.** [Hemolytic jaundice accompanied by ulcer of the lower extremities, treated by splenectomy] Norsk. mag. lægevid., 1934, 95: 705-10.—**Roth, O.** Wiederauftreten von hämolytischen Anfallen bei einem splenektomierten Fall von hämolytischem Ikterus. Fol. haemat., Lpz., 1927-28, 35: 1-6, pl.—**Santy, P.** L'ictère hémolytique. J. chir., Par., 1932, 40: 546-71.—**Secretan, W. B.** Two cases of acholuric jaundice; splenectomy. Roy. Berkshire Hosp. Rep., 1932, 51-6.—**Sharpe, J. C.** A study of 22 cases of hemolytic jaundice and the effect of splenectomy. Nebraska M. J., 1939, 24: 10-5.—**McLaughlin, C. W. Jr., & Cunningham, R.** Hemolytic jaundice; immediate and delayed changes in the blood after splenectomy. Arch. Int. M., 1939, 64: 268-79.—**Silberberg, M.** Ueber die Dauerresultate der Splenektomie bei hämolytischem Ikterus. Arch. klin. Chir., 1932, 171: 568.—**Sierman, I.** [Hemolytic jaundice, cured by splenectomy] Beloruss. med. misl. 1924, 1: 1, 82-4.—**Stincer, E.** Ictero hemolitico; esplenectomia. Rev. med. cir. Habana, 1934, 39: 773-9.—**Stoia & Adamcescu, C.** [Splenectomy in a case of hemolytic jaundice] Spitalul, 1930, 50: 325-8.—**Sultan, G.** Zur Therapie des hämolytischen Ikterus. Fortsch. Ther., 1930, 6: 625-7.—**Valdoni, P.** La cura dell'ictero emolitico mediante la legatura della arteria splenica: le indicazioni, la medicina operatoria, i risultati sperimentali dell'intervento. Policlinico, 1929, 36: sez. chir., 136-72.—**Van Ravenswaay, A. C., & Van Ravenswaay, A.** Hemolytic jaundice unimproved by splenectomy with ultimate remission following liver therapy; report of a case. J. Missouri M. Ass., 1934, 31: 198-201.—**West-Watson, W. N., & Young, C. J.** Failed splenectomy in acholuric jaundice, and the relation of toxemia to the haemolytic crises. Brit. M. J., 1938, 1: 1305-9.—**Widal, P., de Gennes, L., & Laudat.** Etude clinique et physiopathologique d'un cas d'ictère hémolytique traité par la splénectomie. Presse méd., 1929, 37: 513-6.—**Zaffagnini, A.** Il trattamento chirurgico delle splenomegalie primitive con particolare riguardo all'ictero emolitico. Ann. ital. chir., 1932, 11: 709.

— hemolytic, toxic and allergic.

See also names of poisons and venoms as Arachnidism, Venom; Beans, Poisoning; Lead, Poisoning; Snake venom; Sulfanilamide; Toluol, etc.

Alcobé, S. Studien über den Phenylhydrazinikterus beim Hunde. Beitr. path. Anat., 1929-30, 83: 313-8.—**Brulé, M., & May, E.** La résistance globulaire dans la veine et l'artère splénique au cours de l'ictère par toluylène-diamine. C. rend. Soc. biol., 1919, 82: 784-7.—**Del Zoppo, R.** La prova del rosso Congo nell'ictero emolitico da toluylendiamina. Fol. med. Nap., 1935, 21: 33-42.—**Hiyeda, K.** Ueber die Entstehung des Toluylendiaminikterus. Tr. Jap. Path. Soc., 1927, 17: 206-12. — Experimentelle Studien über die Pathogenese des Ikterus; über die Entstehung des Toluylen-

diaminikterus. Beitr. path. Anat., 1927, 78: 389-407.—**Isibasi, M., Okada, T.** [et al.] Ueber die Pathogenese des Toluylendiaminikterus. Tr. Soc. path. jap., 1935, 25: 437-45.—**McGowan, J. M., Bollman, J. L., & Mann, F. C.** The bile acids in icterus produced by toluylendiamine. J. Pharm. Exp. Ther., 1936, 58: 305-11.—**Migliore, M.** Il glutatone del sangue nell'ittero emolitico da toluilediamina. Morgagni, 1931, 73: 1812-8.—**Wolff, H. J.** The physiologic action of toluylendiamin and its relation to experimental jaundice. J. Pharm. Exp. Ther., 1934, 50: 407-19.

hemolytic: Treatment.

See also **Icterus, hemolytic, familial: Treatment.**

LEWIN, S. [M.] *Icterus haemolyticus im Kindesalter und seine Behandlung [Breslau] 57p. 8° Münch., 1935.

PERKUL, R. *Zur Kenntnis der Symptomatologie und Therapie des haemolytischen Icterus. 18p. 8° Königsb., 1929.

Acuña, M., & Gambirassi, A. C. Ictericia hemolítica; estado actual de su tratamiento. Arch. argent. pediat., 1935, 6: 3-14.—**Brulé, M., Cottet, J., & Hamburger, J.** Sur un type clinique d'ictère prolongé avec hépatomégalie et splénomégalie curable par tubages du duodénum. Presse méd., 1934, 42: 1713-6.—**Dondi, G.** Considerazioni sulla röntgenterapia splénica nell'ittero emolitico. Pediat. med. prat., Tor., 1933, 8: 63-9.—**Enríques, E.** Azione di sostanze clinico-opoterapiche sull'indice emolitico. Gazz. med. lombarda, 1933, 92: No. 5, 9-11.—**Giannini, G.** L'ittero emolitico ed una sua possibilità terapeutica. Terapia, 1929, 19: 63-73.—**Hurxthal, L. M.** Hemolytic jaundice; considerations in diagnosis and treatment. Surg. Clin. N. America, 1935, 15: 1475-80.—**Jedlička, V., & Váradí, S.** Die Lebertherapie und chronischer hämolytischer Icterus. Zschr. klin. Med., 1931, 118: 286-96.—**Knauer, H.** Studien über die Lebensfähigkeit transfundierter Erythrozyten bei einem Fall von hämolytischem Icterus. Jahrb. Kinderh., 1926, 3 F., 114, 285-300.—**Landau, A., & Held, J.** Remarques sur l'ictère hémolytique transitoire, produit expérimentalement chez l'homme et sur la valeur médicamenteuse de la phénylhydrazine. Arch. mal. app. digest., Par., 1927, 17: 384-93. Also In *Prace klin. Oddz. chor. wewn. Szpit. Wolski, Warsz., 1932, 1064-70.*

[Transitory hemolytic jaundice in man, caused experimentally and the therapeutic value of phenylhydrazine] Ibid., 206-12.—**Lucherini, T.** Tentativo di cura dell'ittero emolitico a mezzo del biondo colloidale di thorio (thorotrast) Policlinico, 1934, 41: sez. prat., 1318-21.—**Neuburger, J.** Das Versagen der Lebertherapie beim hämolytischen Icterus. Deut. med. Wschr., 1931, 57: 969-71. Die Behandlung des Icterus haemolyticus. Zschr. ärztl. Fortbild., 1931, 28: 697.—**Reifenstein, E. C., & Allen, E. G.** The treatment of chronic hemolytic jaundice with liver extract. J. Am. M. Ass., 1934, 103: 1668-71.—**Ronzini, M.** L'opoterapia epatica nell'ittero emolitico sperimentale. Ann. ital. chir., 1929, 8: 915-32.—**Rosenberg, W.** Lebertherapie des durch Lungentuberkulose komplizierten hämolytischen Icterus. Med. Klin., Berl., 1931, 27: 93.—**Seyderhelm.** Klinische Abhandlungen über Blutkrankheiten; Diagnostik und Therapie des hämolytischen Icterus. Deut. med. Wschr., 1924, 50: 1362-4.—**Sharpe, J. C., & Davis, H. H.** Severe reactions following transfusion in hemolytic jaundice; report of 2 cases. J. Am. M. Ass., 1938, 110: 2053-6.—**Thompson, W. P.** Hemolytic jaundice, its diagnosis, behavior and treatment: a review of 45 cases. Ibid., 1936, 107: 1776-81.—**Wijsenbeek.** [Hemolytic jaundice; blood transfusion; recovery] Ned. tscr. verlosk., 1925-29 33: 204-8.

Hemorrhagic diathesis.

See also **Hemorrhagic diathesis, Prothrombin deficiency, cholemic; Icterus, infectious, hemorrhagic.**

MARKENDORF, R. *Verzögerung der Blutgerinnung bei Operationen nach Icterus; 16 Fälle aus der Chirurgischen Universitätsklinik in Leipzig. 34p. 8° Lpz., 1936.

SAUER, W. [H. O.] *Ueber die Beziehungen des Komplementgehalts zur Gerinnungszeit des Blutes und ihr Verhalten bei experimentellen Icterusformen. 34p. 8° Bresl., 1927.

Bell, J. V. The relation of hemorrhage to jaundice; the role of vitamin K. Kansas City M. J., 1941, 17: No. 4, 16-9.—**Boland, E. W.** The hemorrhagic diathesis in patients with jaundice; the relationship of physiological mechanisms to morbid anatomical changes. West. J. Surg., 1939, 47: 459-61.—**Boyce, F. F., & McFetridge, E. M.** A serum volume test for the hemorrhagic diathesis in jaundice. J. Lab. Clin. M., 1937-38, 23: 202-12.—**Burke, C. F., & Weir, J. F.** The hemorrhagic tendency in jaundice; a study of the blood fibrin, sedimentation rate, coagulation time, and other blood factors. Ibid., 1933, 18: 657-68.—**Bustos, F. M.** Relaciones entre

coagulación sanguínea e ictericia. Arch. argent. enferm. ap digest., 1937-38, 13: 187-95.—**Colbeck, J. C.** Haemorrhage in jaundiced patients. Guy's Hosp. Gaz., Lond., 1932, 46: 138: 157.—**Falkenhäusen, M., von, & Sauer, W.** Untersuchungen über die Gerinnungszeit bei experimentellen Icterusformen und ihre Beziehung zum Komplementgehalt des Blutes. Zschr. ges. exp. Med., 1927, 57: 398-403.—**Ferguson, I. K., Calder, D. G., jr., & Reinhold, J. G.** The Ivy bleeding time, serum volume index and prothrombin content of blood in estimating bleeding tendency in jaundice. Surg. Gyn. Obst., 1940, 71: 603-5.—**Gray, J. S., & Ivy, A. C.** The role of serum-calcium fractions in the effect of viosterol on the bleeding tendency in jaundice. Am. J. Digest. Dis., 1935-36, 2: 368-72.—**Illingworth, C. F. W.** Haemorrhage in jaundice. Lancet, Lond., 1939, 1: 1031-5.—**Inada, T., & Nara, Y.** Ueber die Wirkung von Icterus und Ermüdung auf die Gerinnbarkeit des Blutes. Jap. J. M. Sc., 1936-38, 4: Proc. Biophysics, 73.—**Ivy, A. C., Shapiro, P. F., & Melnick, P.** The bleeding tendency in jaundice. Surg. Gyn. Obst., 1935, 60: 781-4.—**Kasuya, Y.** Ueber die Beziehung zwischen Icterus und Blutkoagulation. Okayama igakkai zasshi, 1930, 42: 1942.—**Koller, F.** Die Behebung der hämorrhagischen Diathese bei Verschlussikterus durch Vitamin K. Zbl. Chir., 1939, 66: 1949-51.—**McVicar, C. S., & Weiss, J. F.** Hemorrhagic tendency in jaundice. Med. Clin. N. America, 1928-29, 12: 1530.—**Nygaard, K. K.** Coagulability of blood plasma: a method of determining hemorrhagic tendency of jaundiced patients. Proc. Mayo Clin., 1932, 7: 691-6.—**Prothrombin deficiency in jaundiced patients.** J. Am. M. Ass., 1937, 108: 2043-5.—**Quick, A. J.** The nature of the bleeding in jaundice. Ibid., 1938, 110: 1658-62.—**Reinhart, H. L.** The hemorrhagic diathesis in cases of jaundice. Proc. Postcolleg. Clin. Assemb. Coll. M. Ohio Univ., 1939, 6: 115-8.—**Shabanov, A. N.** [Significance of acholia in the development of profuse hemorrhages] Khirurgia, Moskva, 1938, No. 2, 39-44.—**Snell, A. M.** The hemorrhagic tendency in jaundice with special reference to treatment with vitamin K. Tr. West. Surg. Ass. (1938) 1939, 48: 136-55.—**Butt, H. R., & Osterberg, A. E.** Treatment of the hemorrhagic tendency in jaundice; with special reference to vitamin K. Am. J. Digest. Dis., 1938-39, 5: 590-6. Also Tr. Am. Gastroenter. Ass., 1938, 41, meet., 112-8.—**Stevens, R. J.** Newer views on the hemorrhagic tendency in jaundice and on vitamin K. J. Med., Cincin., 1940-41, 21: 387-93.

hepatic.

See also **Bile-ducts, intrahepatic: Diseases; Icterus, infectious; Liver, Disease.**

BRUGSCH, H. [T.] *Hepatischer Icterus [Halle-Wittenberg] p.435-63. 8° Berl., 1931. Also Zschr. klin. Med., 1931, 118:

ROLLESTON, H. Diseases of the liver: jaundice. p.303-31. 8° [Oxf., 1933]

Buinewitsch, K. Einige Fälle von Lebererkrankungen mit Icterus. Wien. klin. Wschr., 1939, 52: 905-9.—**Coen, V.** Il drenaggio chirurgico esterno nella cura degli itteri epatogeni. Clinica. Bologna, 1937, 3: 536-45.—**Fenster, E.** Zur chirurgischen Behandlung des schweren hepatogenen Icterus. Zbl. Chir. 1941, 68: 496-502.—**Frangenheim, P.** Der intrahepatische (hepatogene) Icterus und seine Behandlung. Ibid., 1929, 56: 854-8.—**Gosset, A.** Du traitement chirurgical de certains gros foies avec angiocholite et ictere, sans lithiase. Rev. méd. fr., 1937, 18: 475.—**Haberer, H. von.** Hepatogener Icterus vom Standpunkt des Chirurgen gesehen. Chiruzg, 1938, 10: 529-38. Also Karlsbad. ärztl. Vortr. (1937) 1939, 16: 43-67.—**Kirsten, I., & Papenkort, E.** Blutbild und Blutzusammensetzung bei hepatischem Icterus. Med. Klin., Berl., 1930, 26: 1855-7.—**La Torre, A. de.** Ictericia, insuficiencia hepática y hepatopatías. Arch. Fac. cienc. méd., Quito, 1933, 2: 149-204.—**Marzewski, S., & Rosnowski, M.** [Statistical data on the clinical aspect of hepatic jaundice] Lek. wojsk., 1934, 23: 638-58.—**Meyers, S. G., Brines, O. A., & Juliar, B.** The acutely ill, jaundiced patient: a report of 21 instances of hepatic icterus, 7 of whom had high blood nitrogen. Am. J. Digest. Dis., 1935-36, 2: 346-50.—**Snell, A. M.** Clinical varieties of intrahepatic jaundice. Proc. Mayo Clin., 1932, 7: 731-3. Also Proc. Interst. Postgrad. M. Ass. N. America, 1932, 39-41.—**Jordan, F. M.** Intrahepatic jaundice. Northwest M., 1930, 29: 295-303.—**Stahnke, E.** Beitrag zur Genese des hepatogenen Icterus. Zbl. Chir., 1941, 68: 999-1002.—**Tooke, T. B., jr.** Intrahepatic jaundice. Tristate M. J., 1940-41, 13: 2783-5.—**Virechow & Vander Donckt, J.** De criterium de l'ictère hépatogène et surtout de l'ictère catarrhal. Presse méd. belge, 1864-65, 17: 261.—**Weir, J. F., & Jordan, F. M.** Clinical consideration of some types of intrahepatic jaundice. Med. Clin. N. America, 1930, 13: 1439-50.—**Winternitz, L.** Contributo alla conoscenza dell'ittero epatico. Policlinico, 1934, 41: sez. prat., 1399-406.

hepatic, parenchymatous.

See also **Liver, Disease; Liver, Hepatitis.**

HERFURTH, H. *Ueber Gallenwegsdrainage bei schweren hepatocellulärem Icterus [Berlin] 18p. 8° Heidelb., 1938.

Vidal Vargas, O. *Quinismo y motilidad gástrica en las ictericias por hepatitis aguda (Chile) 27p. 8°. Santiago, 1934.

Asikin, R. D. [Jaundice, with special reference to parenchymatous jaundice] Genesck. tschr. Ned. Indië, 1935, 74: 4-15.—Bockus, H. L. Diagnosis and management of hepatocellular jaundice. Proc. Internat. Postgrad. M. Ass. N. America (1940) 1941, 185-90.—Bright. Osservazioni intorno all'itterizia e specialmente intorno a quella forma che s'associa all'inflamazione diffusa del fegato. Ann. clin. Osp. incurab. Nap., 1839, 5: 239; 1840, 6: 58.—Brüll, Z. Der Wasserversuch bei Parenchym-Ikterus. Med. Klin., Berl., 1934, 30: 1493.—Bürger, M. Ueber den parenchymatösen Ikterus. Deut. med. Wschr., 1941, 67: 427-33.—Castillo, P. A. Los icteros hepatocelulares. Arch. med. int., Habana, 1936, 2: 147-52.—Cernich, R., Palazón, J. M., & de Lellis, J. D. Hepatitis icterígena con edema. Sem. méd., B. Air., 1936, 43: pt 2, 1008-10.—Cullinan, E. R. Idiopathic jaundice (often recurrent) associated with subacute necrosis of the liver. S. Barth. Hosp. Rep., Lond., 1936, 69: 55-142, 17 pl.—Debré, R. Familial hepatitis and chronic jaundice. Proc. R. Soc. M., Lond., 1938-39, 32: Sect. Stud. Dis. (Child., 1173-84.—Eisenfarb, J. Anémie hyperchrome au cours d'un ictere grave; contribution à l'étude de l'anémie hyperchrome et de l'oedème au cours des affections parenchymateuses aiguës du foie. Rev. méd. chir. mal. foie, 1938, 13: 271-81.—Fiessinger, N. L'ictère par effraction. Rev. gén. clin. théor., 1930, 44: 738-43.—& Toupet, R. Ictère de 4 mois par hépatite aiguë sans lésions des voies biliaires; cholécystomie; guérison. Bull. Soc. méd. hôp. Paris, 1928, 3. ser., 52: 1654-61.—Firdman, A. [Treatment of parenchymatous jaundice] Vrach. delo, 1940, 22: 179-84.—Garkina, L. L. [Treatment of parenchymatous jaundice] Ter. arkh., 1935, 13: 41-58.—Geill, T. [Studies on jaundice; etiology of acute hepatitis; clinical aspect] Hospitalstidende, 1932, 75: 877; 921.—Gros, W., & Siede, W. Zur Frage der chirurgischen Behandlung des hepatocellulären Ikterus. Klin. Wschr., 1940, 19: 420-3 (microfilm).—Hess, L. Ueber Ikterus als zweite Krankheit (haematoerene Hepatose) Wien. klin. Wschr., 1932, 45: 231-33.—Hynes, K. E., & Jensen, C. R. The differential diagnosis of jaundice; symptomatology and diagnosis of hepatocellular jaundice as an aid in its distinction from surgical conditions. West. J. Surg., 1938, 46: 435-9.—Kogan, D. A. [Differential diagnosis of acute icteric cholangitis and acute icteric hepatitis] Sovet. vrach. J., 1936, 1: 13-7.—La Manna. Beitrag zur Kenntnis der Beziehungen zwischen Ikterose und Gelbsucht. Virehows Arch., 1937, 300: 398-428.—Landau, A., Held, J., & Feigin, M. [Role of hemolytic agent in the genesis of parenchymal icterus] Polska gaz. lek., 1928, 7: 153-8. Also In Prace klin. Oddz. chor. wewn. Szpit. Wolski, Warsz., 1932, 361; 1108.—Newman, C. E. A note on jaundice from focal necrosis of the liver. Lancet, Lond., 1928, 1: 1012.—Nordmann, O. Die chirurgische Behandlung des hepatocellulären Ikterus. Med. Klin., Berl., 1938, 34: 1391-3.—Olmer, J., & Vague, J. Remarques sur une hépatite subaiguë hypoglycémique avec ictere et son traitement par l'extrait thyroïdien. Progr. méd., Par., 1939, pt 1, 227.—Péit-Dutaillis, D. A propos de 2 cas d'hépatite icterigène traités chirurgicalement. Rev. méd. chir. mal. foie, 1931, 6: 401-13.—Pismarev, M. M. [Chronic enterocolitis and jaundices in gastrogenous hepatitis] Ter. arkh., 1941, 19: 167-9.—& Kiveliovich, M. S. [Jaundice originating from gastrogenous hepatitis] Vrach. delo, 1940, 22: 183-6.—Raab, W., & Strauber, S. Zuckerstoffwechsel der Leber beim Diabetes und beim Parenchymikterus (Doppelbelastungen mit Adrenalin und mit Dextrose) Zschr. klin. Med., 1936, 130: 114-34.—Strohe, F. Zur Cholesterinämie bei Lebercirrhose und hepatocellulärem Ikterus. Klin. Wschr., 1932, 11: 636-9.—Vyshegorodtseva, V. D. [Pathogenesis and treatment of parenchymatous jaundice] Tr. Acad. mil. méd. Kiroff, 1935, 2: 51-2.—Wessel, C. Recherches sur l'hépatite à propos de quelques cas d'ictère opérés. Acta chir. scand., 1925, 58: 533-50.

— hepatic, parenchymatous: Chronic type.

See also Icterus, ascitic; Icterus, mixed; Liver, Cirrhosis.

Calado, P. J., jr. *Da cirrose hypertrophica do figado com ictericia chronica. 43p. 12°. Lisb., 1876.

Siguer, F. *Modalités cliniques et évolutives de l'ictère chez les cirrhotiques. 211p. 24½cm. Par., 1938.

Abrahams, A. Hanot's unilobular cirrhosis of liver, chronic jaundice, pigmentation of skin. Proc. R. Soc. M., Lond., 1940 41, 34: 322.—Acuña, A., Casaubón, A., & De Filippi, F. Cirrosis icterígena, tipo Hanot, con fibroadenia. Arch. lat. amer. pediat., B. Air., 1929, 3. ser., 23: 504-13. Also Prensa méd. argent., 1929-30, 16: 110-6.—Beretervide, J. J., & Masoch, T. J. Síndrome ictero-hidropico por insuficiencia hepática, hepatitis esclerosa. In An. Clin. (Beretervide, J. J.) 1938, 2. ser., 15-27.—& Barrios, D. Síndrome ictero-aséptico post-traumático en el curso de una cirrosis latente. Prensa méd. argent., 1938, 25: 228-32.—Cabot, R. C. Jaundice and biliary colic with enlarged liver. N. England J. M., 1933, 209: 602.—Canzani, R., & Baldomir, J. Diazo reacción amarilla en una hepto-esplenomegalia terminada con una ictericia grave.

Arch. urug. med., 1938, 13: 187-91.—Cary, W. Cirrhosis of the liver with jaundice. J. Iowa M. Soc., 1936, 26: 575-8.—Chabrol, E. Les icteres des cirrhotiques. Progr. méd., Par., 1937, 1022-32.—Chand, A. Chronic jaundice in 3 brothers with hypertrophic cirrhosis of the liver and infantilism. Brit. J. Child. Dis., 1936, 33: 31-9.—Chevallier, P. Hépatosplenomegalies avec ictere franc; maladie de Hanot. Sem. hôp. Paris, 1930, 6: 15; 53; 77.—Evans, P. R. Cirrhosis with jaundice: cholecystogastrostomy. Proc. R. Soc. M., Lond., 1936-37, 30: 878-80.—Fiessinger, N. Ictère franc avec décoloration des matières au cours des cirrroses biveineuses du foie. Arch. gén. méd., Par., 1906, 2: 1857-68.—Les icteres dans les cirrroses. Rev. gén. clin. théor., 1934, 48: 401-7.—& Merklen, F. P. La cirrhose ictero-pigmentaire xanthomatuse. Paris méd., 1939, 111: 419-26.—Gilbert, A., & Lereboullet, P. Des cirrroses alcooliques avec ictere. Arch. mal. app. digest., Par., 1908, 2: 445-52. Also C. rend. Soc. biol., 1908, 64: 992-5.—Hess, L. Ueber den Ikterus bei atrophischer Lebercirrhose. Klin. Wschr., 1934, 13: 1238-42.—Jewsbury, R. C. Jaundice and ? hepatic cirrhosis. Proc. R. Soc. M., Lond., 1935-36, 29: 737.—Kirikov, N. N. K voprosu o patogeneze t. naz. hipertroficheskikh zheltstshnikh tsirrozov pecheni. Russ. vrach., 1904, 3: 4-7.—Kretz, R. Ueber die Abgrenzung der Hanotschen Krankheit gegen die Lebercirrhose mit Ikterus. Verh. Deut. path. Ges. (1905) 1906, 260-3.—Lo Passo, G. Un raro caso di cirrosi epato-splenomegalia di Eppinger ovvero cirrosi epatica icterogena tipo Hanot. Prat. pediat., Milano, 1933, 11: 227-33.—Lupu, N. G., & Dimitriu, C. C. [A case of cirrhosis with ictero-hepatitis] Rev. st. med., Bucur., 1925, 14: 442-7.—Perrin, M. Cirrhose de Lacunne; ictere grave hypothermique. C. rend. Soc. méd. Nancy, 1904-5, 6-8. Also Rev. méd. est, 1905, 37: 27-9.—Pinard, M. A propos de la présentation de malades de MM. R. Debré et Ph. Serigne; cirrhose hépatique familiale avec ictere; l'origine syphilitique de certaines cirrroses infantiles. Bull. Soc. méd. hôp. Paris, 1938, 3. ser., 54: pt 2, 1228-30.—Rojas, C. M. de, & Fernández Conde, A. Sobre una cirrosis alcoholica con ictero. Med. d. hoy, Habana, 1939, 4: 126-31.—Schlossberg, B. R. Adenopatias del hilio hepático en algunas cirrosis hipertroficas icterigenas; cirrosis hepato-ganglionar. Rev. sudamer. endocr., B. Air., 1939, 22: 3: 112; 139; 236; 309; 339.—Shapiro, P. Atrophic cirrhosis of the liver with severe jaundice. In Path. Conf. (Jaffé, R. H.) Chic., 1940, 119-21.—Sheldon, W., & Edwards, H. Cirrhosis with jaundice; cholecystgastrostomy. Brit. J. Child. Dis., 1941, 38: 24.—Thibaudon, R., & Langlois, M. Ictère avec hépatomégalie chez un enfant de 4 ans. Laval méd., 1939, 4: 241-5.—Thiodet, Zamith & Destin. Ictère chronique, cirrhose terminale. Algérie méd., 1937, 4. ser., 41: 662-5.—Weber, F. P. Hypertrophic cirrhosis of the liver (probably of syphilitic origin) with chronic jaundice and xanthoma. Tr. Clin. Soc. London, 1902-3, 31: 234.—Weir, J. F., & Snell, A. M. Chronic hepatitis with jaundice (biliary cirrhosis) Tr. Am. Gastroenter. Ass., 1936, 39. meet., 13-23.

— hepatic, toxic.

See also Icterus, paratherapeutic; also names of poisonous substances as Chloroform; Lead; Phosphorus, etc.

Astros, L. d'. Ictère grave alcoolique à forme cardiaque; insuffisance rénale avec diminution de la toxicité urinaire; guérison. Rec. Com. méd. Bouches du Rhône, 1887-88, 26: 83-91, ch.—d'Amato, L., & Leaccio, R. Sulla patogenesi dell'ittero nelle epatiti tossiche sperimentali. Arch. pat., Bologna, 1938-39, 18: 340-59.—Jacobi, H. G. Glucose tolerance as a diagnostic aid in jaundice; toxic hepatitis. Am. J. Digest. Dis., 1937-38, 4: 162-70.

— History of research.

Brim, C. J. The biliary system; liver, gallbladder, and jaundice; Biblical and Talmudic data. Rev. Gastroenter., 1941, 8: 255-9.—Stein, J. [Progress in the theories on the formation of biliary pigment and the origin of jaundice] Warsz. czas. lek., 1935, 12: 878; passim.

— infectious.

See also Icterus, hepatic; also specific names of infections as Leptospirosis; Yellow fever, etc.

Fiessinger, N. Traitement des icteres infectieux. 49p. 8°. Par., 1936.

Martinet, H. *L'hyposulfite de soude dans le traitement des icteres infectieux. 57p. 8°. Par., 1934.

Troisier, J., & Clément, R. Les icteres infectieux; étude clinique et étiologique. 152p. 12°. Par., 1930.

Baranowska, M. [Case of infectious jaundice] Polska gaz. lek., 1938, 17: 1064.—Barber, H. Infective hepatic jaundice. Brit. M. J., 1937, 1: 67.—& Osborn, G. R. The morbid anatomy of a sporadic case of infective hepatic jaundice. J. Path. Bact., Lond., 1939, 49: 581-5, pl.—Bates, R. Non-spirochaetal infectious jaundice. Brit. M. J., 1936, 1: 521-4.—Bénard, H. Estudio de las ictericias tóxicas infecciosas. Día méd., B. Air., 1933-34, 6: 571.—Bérard, L., & Mallet-Guy, P. Sur

les données de la cholécystostomie dans les icères infectieux. Presse méd., 1932, 40: 1920.—Blanton, W. B. Infectious jaundice. Virginia M. Month., 1927-28, 54: 210-4.—Brudnicki, E. [On infectious jaundice in children] Pediat. polska, 1935, 15: 245-7.—Cefaly, A. Terapia degli itteri infettivi. Rinasce. med., 1936, 13: 169.—Chabrol, E., Brocq, P., & Porin, J. Les enseignements de la cholécystostomie dans les icères infectieux. Presse méd., 1932, 40: 1053-6.—Chabrol, E., & Cottet, J. A propos d'un cas d'ictère infectieux avec atrophie sub-chronique du foie. Bull. Soc. méd. hôp. Paris, 1932, 3. ser., 48: 784-91.—Chabrol, E., Sallet, J., & Parrot, J. L. Le cholestérol dans les icères infectieux. Paris méd., 1937, 103: 434-7.—Chiarotti, C. Considerazioni e ricerche sull'etiologia dell'ittero infettivo della seconda infanzia. Osp. maggiore Novara, 1939, 16: 109-12.—Comroe, B. I. Toxic and infectious jaundice. Med. Clin. N. America, 1938, 22: 1761-79.—Dahr, P. Neuere Erkenntnisse über die Aetiologie und Epidemiologie des Icterus infectiosus. Med. Welt, 1939, 13: 42-5.—Davis, N. S. Chronic infectious jaundice. Med. Clin. N. America, 1927, 11: 221-3.—Geodakian, M. B. [Infectious jaundice in children] Sovet. med., 1940, 4: No. 19, 19.—Gerlach, L. Ueber die Inkubationszeit des Icterus infectiosus. Zschr. Kinderh., 1934, 56: 282.—Halita, M. [Icterus toxi-infectiosus cu hidropizie] Cluj. med., 1927, 8: No. 3-4, 80-5.—Hegler, Icterus infectiosus. Med. Klin., Berl., 1940, 36: (Abstr.) (microfilm)—Isaev, N. S. [Significance of the cardio-vascular system in the origin of infectious jaundice] Tr. Acad. mil. méd. Kiroff, 1935, 2: 13-18.—Jones, C. M., & Mallory, T. B. Evolution and course of chronic infectious jaundice. Tr. Ass. Am. Physicians, 1933, 48: 311.—Jüngling, Ueber einen seltenen Infektionsmodus von infektiösem Icterus. Med. Klin., Berl., 1940, 36: 634 (Abstr.) (microfilm)—Kostrzewski, J. [Infectious jaundice] Polska gaz. lek., 1936, 15: 181.—Kritschewski, J. L., & Dwolaitskaja-Baryschewa, K. M. Zur Kritik der phagocytaeren Doktrin; über die Abwehrapparate im Organismus bei infektiösem Icterus. Gior. batt. immun., 1934, 12: 209-24.—Lainer, F. Zur Frage des infektiösen Icterus. Klin. Wschr., 1940, 19: 215 (microfilm) Also Wien. klin. Wschr., 1940, 53: 601-4. Also Wien. med. Wschr., 1940, 90: 198.—Lundgren, C. [Observations on infectious jaundice] Sven. lak. tidn., 1931, 28: 758-60.—Lyon, G. Ictères infectieux. Bull. méd., Par., 1935, 49: Suppl., 1-3.—Manlio, P. Sul discusso insoluto problema etiologico del ittero infettivo nell'età infantile. Clin. pediat., Mod., 1937, 19: 700-18.—Meyer, S. C. [Infectious jaundice, followed by cirrhosis of the liver] Mschr. kindergeneesk., 1939, 8: 179-86.—Norton, J. A. Acute infectious jaundice. J. Am. M. Ass., 1939, 113: 916.—Pershina, M. A. [Bacteriological examination in infectious jaundice] Klin. med., Moskva, 1938, 16: 1202-8.—Shapiro, P. Infectious jaundice. In Path. Conf. (Jaffé, R. H.) Chic., 1940, 121.—Steinberg, L. D. [Atypical forms of the course of infectious jaundice in children] Vrach. delo, 1929, 12: 21-5.—Toomey, N. Clinical aspects of sporadic hepatitis; nonleptospiroid, nonenteroid, infectious jaundice. Med. J. & Rec., 1932, 135: 313-6.—Tratamiento de las icterias infecciosas. Día méd., B. Air., 1930-31, 3: 249; 1937, 9: 245.—Troisier, J. L'ictère infectieux expérimental. Rev. crit. path., Par., 1930, 1: 405-11.—& Clément, R. A propos de la classification des icères infectieux. Bull. méd., Par., 1930, 44: 594. Also Gaz. hôp., 1930, 103: 545-7.—Tschirikower, R. S., & Rubinstein, P. L. Ueber die Bedeutung des retikulo-endothelialen Apparates bei Infektionskrankheiten; das retikuloendotheliale System bei infektiösem Icterus. Zbl. Bakt., 1. Abt., 1929, 114: 65-8.

infectious, benign febrile.

Fiessinger, N. Les icères infectieux bénins. Rev. gén. clin. théor., 1929, 43: 721; 1935, 49: 177.—Marino, E. L'ittero infettivo benigno nell'infanzia. Gazz. osp., 1935, 56: 141-3.—Meersseman, F. Le traitement des icères infectieux bénins par les extraits hépatiques injectables. J. méd. Lyon, 1939, 20: 539-42.—Olmer, D., Olmer, J. [et al.] Sur quelques cas d'icères infectieux bénins observés simultanément. Marseille méd., 1936, 73: 233-9.—Ramond, L. Ictères infectieux bénins. Rev. méd. chir. mal. foie, 1927, 2: 209-32.

infectious, common (Catarrhal jaundice)

DUPUY, R. *Les icères catarrhaux. 136p. 24cm. Par., 1939.

GROSSMANN, I. *Hepatitis infectiosa (katarhalischer Icterus) [Halle-Wittenberg] 42p. 21cm. Bleicherode a. Harz, 1938.

MIZRAHI, A. *L'anasarque au cours de l'ictère catarrhal. 43p. 8° Par., 1936.

SICARD, J. R. *Contribution à l'étude de l'ictère catarrhal; l'épreuve de la galactosurie après injection d'histamine. 50p. 25 $\frac{1}{2}$ cm. Par., 1939.

STOOPEN, E. *De l'ictère sérique à l'ictère catarrhal; étude de certains prodromes de l'ictère catarrhal et de leur signification physiopathologique. 93p. 8° Par., 1937.

Berland, A. S., & Lirzman, R. I. [Catarrhal jaundice and serous inflammation of the liver] Vrach. delo, 1940, 22: 177-80.

—Brailovsky, S. A., & Genkin, A. M. [Glycogen, sugar and lactic acid in the blood of children; contents of glycogen, sugar and lactic acid in catarrhal jaundice (acute epithelial hepatitis)] Sovet. pediat., 1936, No. 12, 14-7. — [Glycogen, sugar and lactic acid in the blood of children; large doses of saccharose for children affected with acute epithelial hepatitis] Pediatra, Moskva, 1938, No. 2, 3-7.—Breese, B. B., & McCoord, A. B. Vitamin A absorption in catarrhal jaundice. J. Pediat., S. Louis, 1940, 16: 139-45.—Brouwer, D. [On the allergic etiology of the so-called icterus catarrhalis in relation to certain cases] Ceneesk. tsehr. Ned. Indië, 1939, 79: 1636-46.—Brulé, M., Sassier, R., & Cottet, J. Le métabolisme du sodium au cours de l'ictère commun. Ann. méd., Par., 1938, 43: 380-8.—Caroli, J. L'ictère bénin; intolérance et icère catarrhal. Ibid., 344-59.—Chabrol, E. Le traitement de l'ictère catarrhal par les cholagogues. Ibid., 398-414. — Les confins de l'ictère catarrhal. In Année méd. prat., Par., 1939, 18: 223-7.—Chiray, Maschas, H., & Dupuy, R. L'atteinte des voies biliaires au cours de l'ictère catarrhal. Arch. mal. app. digest., Par., 1939-40, 29: 937-50.—Corelli, F. Proposta di una terapia di desensibilizzazione nell'ictero catarrale considerato come epatite allergica. Policlinico, 1939, 46: sez. prat., 1131-9.—Dumitresco-Mante, M. La bradycardie et le syndrome humoral au cours des icères du type catarrhal. J. physiol. path. gén., 1937, 35: 114; 416.—Fabrizio, A. La forma idropica dell'ictero catarrale. Rinasce. med., 1936, 13: 475.—Faltischek, J. Zur Pathogenese des Icterus catarrhalis. Mitt. Ges. inn. Med. Wien, 1934, 33: 98-102.—Fiessinger, N. L'ictère bénin; introduction. Ann. méd., Par., 1938, 43: 333-7. Also J. prat., Par., 1938, 52: 833-5. — & Phocas, E. Etude du pouvoir lipasique et tryptique du suc pancréatique au cours des icères catarrhaux. Paris méd., 1933, 87: 436-41.—Hagieseu, D., & Vasiliu, C. [Pleuro-peritoneal symptoms in benign jaundice (hepatic insufficiency)] Spitalul, 1929, 49: 391-3.—Hampson, L. M. Acute catarrhal jaundice. Univ. Toronto M. J., 1939-40, 17: 184-6.—Hofešl, J. [Catarrhal jaundice, syndrome of hepatic insufficiency] Šhorn. lek., 1939, 41: 65-276.—Hurst, A. F., & Simpson, C. K. Catarrhal jaundice and mild hepatic necrosis; their pathology and diagnosis. Guy's Hosp. Rep., Lond., 1934, 84: 173-85.—Kornberg, A. Latent liver disease in persons recovered from catarrhal jaundice and in otherwise normal medical students as revealed by the bilirubin excretion test. J. Clin. Invest., 1942, 21: 299-308.—Lainer, F. Frage der infektiösen Aetiologie des Icterus catarrhalis. Med. Klin., Berl., 1940, 36: 368 (microfilm)—Loeper, M., & Soulié, P. La participation du pancréas au syndrome d'ictère catarrhal. Nutrition, Par., 1936, 6: 271-84.—Mazzei, E. S. Icteric catarrhal. Día méd., B. Air., 1940, 12: 541-5. Also in Lecc. clin. méd. (Romano, N.) B. Air., 1940, 4: 67-85.—Meersseman, F., & Duran, P. De l'hypocholestérolémie au cours des icères dits catarrhaux. Bull. Soc. hôp. Paris, 1937, 3. ser., 53: 1448-50.—Miasnikov, A. L. [Etiology and pathogenesis of the so-called catarrhal jaundice] Sovet. med., 1937, No. 4, 3-7.—Milian, G. Ictère catarrhal et syphilis. Paris méd., 1937, 105: 42. Also Rev. fr. derm. vénér., 1938, 14: 387.—Newman, J. L. Common infective hepatic jaundice. Med. Off., Lond., 1940, 64: 21-3.—Otomoto, T. Die klinischen Studien über die akute Hepatopathie; die klinische Symptome des Icterus catarrhalis. J. Orient. M., Dairen, 1940, 32: 4-7.—Paraf, J., Klotz, B., & Lewi, S. Etude sur l'ictère catarrhal; l'épreuve de la galactosurie provoquée avec injection d'histamine. Bull. Soc. méd. hôp. Paris, 1939, 3. ser., 55: 1087-98.—Perrault, M. Le traitement de l'ictère catarrhal. Progr. méd., Par., 1938, 973.—Pickles, W. N. Catarrhal jaundice. In Control Common Fevers (Lancet) Lond., 1942, 304-12.—Pocréan, E. Le choc protéique dans l'ictère infectieux de type catarrhal. Presse méd., 1928, 36: 101.—Raevaskaia, G. A. [Prognosis and working ability in catarrhal jaundice] Ter. arkh., 1940, 18: 612-21.—Ratner, N. A., & Kononichenko, V. A. [Pathogenesis of the so-called catarrhal jaundice] Ibid., 1939, 17: No. 6, 153-64.—Romano, N. Icteric catarrhal. In his Lecc. clin. méd., B. Air., 1936, 1: 161-8.—Rosendahl, C. Eterlater icterus catarrhalis, hepatitis acuta, ofte varig mén? Nord. med., 1941, 12: 3091-5 (microfilm)—Schoen, R. Beurteilung und Behandlung des Icterus catarrhalis. Med. Klin., Berl., 1941, 37: 397-400.—Schwartzman, J., & Maffia, A. Catarrhal icterus; report of 35 sporadic cases. Arch. Pediat., N. Y., 1940, 57: 181-6.—Segura, G. El mecanismo de las icterias catarrales. Sem. méd., B. Air., 1939, 46: 185-90.—Seyfarth, S. Beobachtung einer Uebertragung von Icterus catarrhalis. Mschr. Kinderh., 1932, 53: 398.—Szauder, B., & Ari, L. [Clinical data on simple jaundice] Orv. hetil., 1939, 83: 56-60.—Szerb, Z. [Diet of icterus catarrhalis] Gyógyászat, 1939, 79: 494.—Tareev, E. M., Nikulenko, N. M., & Usmanova, M. A. [Etiopathology of catarrhal jaundice: catarrhal jaundice; postinfectious hepatitis] Ter. arkh., 1935, 13: 65-72.—Troisier, J. Ictère commun et troisième icère. Médecine, Par., 1925-26, 7: 751-4. — L'ictère commun apyrétique. Rev. crit. path., Par., 1930, 1: 273-82. — L'ictère commun, sa nature infectieuse. Ann. méd., Par., 1938, 43: 338-43.—Tumen, H. J. Catarrhal jaundice. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 8: 195-205.—Usseglio, G., & Olivetti, R. L'ittero catarrale. Minerva med., Tor., 1937, 28: 239-45.—Vega Umpierre, T. Consideraciones modernas sobre la ictericia simple y algunos casos clínicos. Rev. san. mil., Habana, 1937, 1: No. 2, 84-7.—Varay, A. Traitement de l'ictère catarrhal. Presse méd., 1938, 46: 1772.—Villar Caso, J. La ictericia catarral en nuestra pasada guerra. Actual. méd., Granada, 1940, 16: 580-6.—Yamaguchi, K. Klinische Beobachtungen über den Icterus catarrhalis im Kindesalter in Mukden. J. Orient. M., Dairen, 1939, 31: 16,—

Ziegler, E. Erfahrungen aus der Praxis über den sogenannten Icterus catarrhalis und Beitrag zur Haematologie desselben. Ann. paediat., Basel, 1941, 157: 129-55 (microfilm). Also Schweiz. med. Wschr., 1942, 72: 426. Practical experiences on so-called catarrhal icterus and contribution to its hematology. J. Am. M. Ass., 1942, 118: 673 (Abstr.).

Zimányi, I. [Case of acholuric icterus catarrhalis in childhood] Gyógyászat, 1939, 79: 177-80. — Acholuric catarrhal jaundice in infancy, report of case. Arch. Pediat., N. Y., 1940, 57: 207-15.

— infectious, common, epidemic.

See also subheadings of **Icterus** (Geography; Military aspect) also **Liver**, **Hepatitis**.

Bloch, W. *Ueber epidemisches Auftreten des Icterus catarrhalis. 21p. tab. 22½cm. Basel, 1939.

Also Schweiz. med. Wschr., 1939, 69:

DEINES, H. *Hepatitis epidemica in Dossenheim bei Heidelberg [Heidelberg] p.526-38. Würzburg, 1938.

Also Zschr. Hyg., 1937-38, 120:

MORGAN, M. T., & BROWN, H. C. Epidemic catarrhal jaundice; some notes on the epidemiology of the disease and an account of an epidemic in the Midlands. 28p. 8°. Lond., 1927.

WALLGREN, A. Erfahrungen über epidemischen Icterus (sogenannten Icterus catarrhalis) 90p. 8° Upps., 1930.

Forms Suppl. 2, Acta paediatr., 1930.

Andersen, T. T. The etiology of hepatitis epidemica (epidemic jaundice) Acta med. scand., 1937, 93: 209-27.

Attinger, E. Akute epidemische Hepatitis. Praxis, Bern, 1942, 31: 55. — Bashford, H. H. Epidemic catarrhal jaundice; notes on a departmental outbreak. Lancet, Lond., 1934, 2: 1008.

Bettencourt, N. de, & Pereira da Silva, E. Ictère épidémique au Portugal. C. rend. Soc. biol., 1926, 94: 903. — Blaisdell, J. L. Epidemic jaundice. Med. J., Lond., 1939, 9: 43-9.

Bleyer, L. F., & Murphy, G. R. Infantile infectious hepatitis. Arch. Pediat., N. Y., 1936, 53: 43-51. — Bormann, F. von. Hepatitis epidemica und Weilsche Krankheit. Med. Klin., Berl., 1940, 36: 1279-81 (microfilm). Hepatitis epidemica. Erg. inn. Med. Kinderh., 1940, 58: 201-84 (microfilm). — The causation of epidemic hepatitis. Bull. Hyg., Lond., 1942, 17: 254 (Abstr.). — Bormann, F. von. Bader, R. E. [et al.] Die Hepatitis epidemica. Schweiz. med. Wschr., 1942, 72: 578 (Abstr.). — Brown, H. C. Epidemic jaundice in the Andaman Islands. Lancet, Lond., 1928, 1: 388. — Bush, C. E. Ictericia epidemica. Reforma méd., Lima, 1941, 27: 789. — Carmena, M., Garrido, A. [et al.] Epidemia de ictericia infecciosa. Rev. españ. med. cir. guerra, 1940, 4: 331-43. — Carrau, A. Ictericia epidemica. Arch. Hosp. Pereira Rossell, 1938, 1: 211-35. — Castenfors, J. Jaundice epidemic in the medical, provincial district of Vimmerby. Sven. läk. tidn., 1933, 30: 273-8. — Celentano, A. L'epatite infettiva nell'infanzia. Pediatria (Riv.), 1933, 41: 1211-4. — Chomet, B. Ueber epidemisches Auftreten von Gelbsucht bei Wiener Kindern. Med. Klin., Berl., 1934, 30: 1428-31. — Costa, S., Romary [et al.] Ictère bénin infectieux et bacilles paratyphiques atypiques. Bull. Acad. méd., Par., 1927, 3, ser., 97: 16-8. Also Rev. prat. mal. pays chauds, 1928, 8: 420-3. — Courmont, P. Epidémie d'ictère catarrhal dans la région lyonnaise. Lyon méd., 1934, 154: 264-70. — Cullinan, E. R. The epidemiology of jaundice. Proc. R. Soc. M., Lond., 1938-39, 32: Sect. Obst. Gyn., 933-50. Also Clin. J., Lond., 1939, 68: 437-44. — Davidson, I. Infective hepatitis. Brit. M. J., 1942, 1: 508. — Dietrich, S. Der sogenannte katarrhalische Icterus und die Hepatitis epidemica. Gastroenterologia, Basel, 1942, 67: 96 (Abstr.). Also Bull. War M., Lond., 1942-43, 3: 29 (Abstr.). Also Praxis, Bern, 1942, 31: 415 (Abstr.). — [Discussions on H. G. Dedichen's paper: Infectious diseases, epidemic appearance of anemic crises with hemolytic jaundice] Norsk. mag. laegevid., 1936, 97: Forh. Norsk. med. selsk., 23-7. — Dondi, G. Considerazioni cliniche e ricerche sperimentali sulla attuale epidemia di ittero infettivo semplice a Novara. Pediat. med. prat., Tor., 1933, 8: 717-24. — Ehrström, R. Icterus catarrhalis, akute gelbe Leberatrophie und chronische Hepatitis als Auserscheinungen derselben Krankheit. Hepatitis epidemica. Acta med. scand., 1926-27, 65: 573-81. Also Finska läk. säll. hand., 1927, 69: 275-83. — Engel, M. Ueber Hepatitis epidemica; epidemisches Auftreten von Icterus catarrhalis. Praxis, Bern, 1942, 31: 53-5. — Eriksson, Z. [Bilirubin content in epidemic jaundice] Fin. läk. säll. hand., 1927, 69: 937-45. — Evans, P. Comments on an epidemic of hepatitis. Brit. M. J., 1942, 2: 446-9. — Fernández, F. Consideraciones sobre una epidemia de ictericia en el fronte de Granada. Actual. méd., Granada, 1940, 16: 616-31. — Figueira, L. Estudo laboratorial da recente epidemia de ictericia em Lisboa. Lisboa méd., 1932, 9: 107-24. — Findlay, G. M. Infective hepatitis and catarrhal jaundice. Clin. J., Lond., 1940, 69: 178-83. Also J. R. Army M. Corps, 1940, 74: 72-9. — & Dunlop, J. L. A fatal case of acute necrosis of the liver associated with epi-

demie catarrhal jaundice. Brit. M. J., 1932, 1: 652-6, pl. & Brown, H. C. Observations on epidemic catarrhal jaundice. Tr. R. Soc. Trop. M. Hyg., Lond., 1931, 25: 7-28. — Findlay, G. M., MacCallum, F. O., & Murgatroyd, F. Observations bearing on the aetiology of infective hepatitis (so-called epidemic catarrhal jaundice) Ibid., 1938-39, 32: 575-86. — Flaum, A., Malmros, H., & Persson, E. Eine nosocomiale Icterus-Epidemie. Acta med. scand., 1926, Suppl. 16: 544-53. — Follows, A. B. Epidemic catarrhal jaundice. Med. Off., Lond., 1940, 63: 23. — Fraser, R. A study of epidemic catarrhal jaundice. Canad. Pub. Health J., 1931, 22: 396-411. — Frazer, E. M. R. Epidemic catarrhal jaundice amongst children. Brit. M. J., 1935, 1: 701. — Freudenberg, E. Hepatitis epidemica. Praxis, Bern, 1942, 31: 263-7. — Fuchs, Hepatitis epidemica. Ibid., 339. — Gaskell, J. F. The changes in the liver in a fatal case of epidemic catarrhal jaundice. J. Path. Bact., Camb., 1933, 36: 257-62, 2 pl. — Gioselli, M. Episodio epidemico di ittero infettivo benigno. Riforma med., 1939, 55: 1749. — Glover, J. A., & Wilson, J. An extensive epidemic of catarrhal jaundice. Lancet, Lond., 1931, 1: 722-5. — Golovine, S. Observations sur la pathogénèse de l'ictère épidémique dans la région de Béchar Oya (1936) Bull. Soc. path. exot., Par., 1936, 29: 975-9. — Gram, H. C. [Epidemic hepatitis] Ugeskr. læger, 1931, 93: 1171-4. — Gram, N. J. [Three cases of infectious hepatitis with symptoms of the central nervous system] Ibid., 1934, 96: 1109-19. — Hartog, C. den [Epidemic of catarrhal jaundice] Ned. tscr. geneesk., 1937, 81: 4363-5. — Hoesslin, von. Zum Vorkommen der epidemischen Hepatitis. Praxis, Bern, 1942, 31: 414 (Abstr.). — Holm, K. Die Gelbsucht in den Wilhelmsburger Zinnwerken: eine Hepatitis epidemica. Arbeitsschutz, 1938, 257. — Hepatitis epidemica. Deut. Militärarzt, 1941, 6: 234-6. — Honig, P. J. J. [An epidemic of benign jaundice in Zunderdorp] Ned. tscr. geneesk., 1926, 70: 23-47. — Hunt, H. F., Johnston, C. L., & Moser, G. P. Jaundice; observations of a recent epidemic in Roaring Creek Valley, Pennsylvania M. J., 1934, 37: 900-2. — Hurst, A. Epidemic jaundice. In his Med. Dis. War, 2, ed., Lond., 1941, 237-54, pl. — Izard, L. M. J. A. Les icteres épidémiques. Arch. méd. pharm. mil., 1927, 86: 393-454. — Mazières & Pond. Hépatite subaiguë épidémique avec éosinophilie. Paris méd., 1933, 89: 233-41. — Jorge, R. Des icteres épidémiques. Bull. Off. internat. hyg. pub., Par., 1926, 18: 1283-94. — Une épidémie, à Lisbonne, d'ictère hémorragique d'origine hydrique contracté per os; nosologie, bactériologie et épidémiologie. Ibid., 1932, 24: 88-117, pl. — Learn, B. G. A clinical report of an epidemic of acute infectious jaundice. Pennsylvania M. J., 1940-41, 44: 18-29. — Lindquist, N. Beitrag zur Kenntnis der Inkubationszeit bei der akuten, epidemischen Hepatitis. Acta paediat., Upps., 1932-33, 14: 166-71. — Linskins, D. [Etiopathogenesis of epidemic hepatitis] Medicina, Kaunas, 1941, 22: 382-95. — Lisney, A. A. Epidemic catarrhal jaundice in school children. Brit. M. J., 1937, 1: 703-6. — López Fondal, M. Epidémies d'ictère infectieux. Nourrisson, 1935, 23: 17-24. — McFarlan, A. M. A village outbreak of common infective jaundice. Pub. Health, Lond., 1941-42, 55: 56-9. — Manfrini, P. Su di una epidemia di ittero infantile. Med. ital., 1938, 19: 585-96. — Martland, E. M., & Winner, A. L. Epidemic jaundice; a hospital outbreak. Lancet, Lond., 1939, 1: 161-3. — Mehn-Andersen, O. Icterus catarrhalis epidemicus. Med. rev., Bergen, 1926, 43: 97-117. — Montford, T. M. Epidemic jaundice in North Leicestershire. Brit. M. J., 1934, 1: 330. — Morgan, M. T. Sur une récente poussée d'ictère catarrhal épidémique en Angleterre. Bull. Off. internat. hyg. pub., Par., 1926, 18: 1399-403. — & Brown, H. C. Epidemic catarrhal jaundice; some notes on the epidemiology of the disease and an account of an epidemic in the Midlands. Rep. Pub. Health, Lond., 1927, 1-27. — Moore, M. A. Epidemic jaundice in children. West Virginia M. J., 1935, 31: 198-201. — Muller, F. Hepatitis. Brit. M. J., 1942, 2: 557. — Musser, J. H., & Miangolarra, C. J. A mild epidemic of jaundice in Louisiana. N. Orleans M. & S. J., 1926-27, 79: 114-8. — Néhis, P., & Van den Branden, F. Au sujet d'une épidémie de jaunisse catarrhale. Bull. Off. internat. hyg. pub., Par., 1936, 28: 514-20. — Newman, J. L. Infective hepatitis; the history of an outbreak in the Lavant Valley. Brit. M. J., 1942, 1: 61-5. — Nicol, C. G. Epidemic catarrhal jaundice. Ibid., 466. — Epidemic hepatitis. Ibid., 2: 618. — Pandit, C. G., & Rao, R. An epidemic of jaundice in the Alipur jail, Bellary (South India) Ind. M. Gaz., 1932, 67: 77-81. — Pickles, W. N. Epidemic catarrhal jaundice; an outbreak in Yorkshire. Brit. M. J., 1930, 1: 944-6. — Epidemic catarrhal jaundice; with special reference to its epidemiology. Brit. J. Child. Dis., 1936, 33: 192-201. — Epidemic catarrhal jaundice. Lancet, Lond., 1939, 1: 893-5. — Plantenga, B. P. B. [Hepatitis epidemica; icterus catarrhalis] Geneesk. gids, 1940, 18: 872-9. — Popovici-Lupa & Iliesco, E. Sur une épidémie d'ictère infectieux bénin infantile. Rev. fr. pédiat., 1933, 9: 380-3. — Popovici-Lupa & Petrescu-Coman, V. Epidemischer benigner Icterus bei Kindern. Mschr. Kinderh., 1937, 70: 57-63. — Probert, S. A. Infective hepatitis. Brit. M. J., 1942, 1: 197. — Ramage, G. Epidemic jaundice in school children. Publ. Health, Lond., 1934-35, 48: 391-5. — Robinson, H. L. Some observations made during an outbreak of epidemic jaundice, Lintings, Shantung, 1928. China M. J., 1928, 43: 118-22. — Roholm, K., & Iversen, P. Changes in the liver in acute epidemic hepatitis (catarrhal jaundice) based on 38 aspiration biopsies. Acta path. microb. scand., 1939, 16: 427-42, 10 pl. Also Verh. Deut. Ges. inn. Med., 1939, 51. Kongr., 350-61. — Ross, E. A. A note on the pathology of epidemic catarrhal

jaundice. *Lancet*, Lond., 1928, 1: 599.—Sáinz de los Terreros, C. Ictericia (hepatitis) epidémica. *Arch. españ. pediat.*, 1933, 17: 16-25.—Selander, P. Erythrocyte sedimentation reaction in hepatitis epidémica. *Acta med. scand.*, 1936, 89: 361-70.

Sektionsfall von epidemischem Icterus (Hepatitis epidémica) *Acta paediat.*, Upps., 1939, 26: 450-9.—Sergeant, B. Epidemic catarrhal jaundice in school children. *Brit. M. J.*, 1937, 2: 703.—Sergiev, P. G., Tareev, E. M. [et al.] [Virus jaundice; epidemic hepatitis in relation to immunization with human serum] *Ter. arkh.*, 1940, 18: 595-611.—Shafar, J. Infective hepatitis. *Prit. M. J.*, 1942, 1: 307.—Siede, W., & Meding, G. Zur Aetiologie der Hepatitis epidémica. *Praxis*, Bern, 1942, 31: 416 (Abstr.).—Sim, T. Infective hepatitis. *Brit. M. J.*, 1942, 1: 237.—Snell, A. M., & Butt, H. R. Acute epidemic or infectious jaundice. In *Modern Med. Ther.* (Barr, D. P.) Balt., 1940, 2: 2376-9.—Steinmann, J. Observation d'une épidémie d'ictère catarrhal; transmissibilité, formule sanguine. *Rev. méd. chir. mal. foie*, 1938, 13: 359-65.—Sylvest, E. [Incubation time of epidemic hepatitis (catarrhal jaundice)] *Ugeskr. læger*, 1930, 92: 936.—Taki, S. Icterus epidemicus. *Acta paediat. jap.*, 1938, 44: 35 (Abstr.).—Taranssoff, S. L'éclosion d'une épidémie d'ictère infectieux dans la région industrielle d'Ivanovo, en automne 1933. *Bull. Off. internat. hyg. pub.*, Par., 1935, 27: 690-6.—Tersikh, V. I. [Classification of epidemic jaundice] *Klin. med.*, Moskva, 1933, 11: 310-3.—Thisted, A. [Frequency of catarrhal jaundice (hepatitis epidémica) and acute yellow atrophy of the liver in advanced age] *Ugeskr. læger*, 1926, 88: 823-6.—Thomas, W. S. R. Note on an outbreak suggesting epidemic jaundice. *Lancet*, Lond., 1928, 2: 701.—Thune Andersen, T., & Tulinius, S. The etiology of hepatitis epidémica (epidemic jaundice) *Acta med. scand.*, 1938, 95: 497-509.—Vas, J. J. [Contributions to the epidemiology of the hepatitis infectious] *Budapesti orv. ujs.*, 1931, 29: 1227-31.—Wallgren, A. An epidemic of catarrhal jaundice (epidemic hepatitis) *Acta med. scand.*, 1928, Suppl., H. 26, 118-23.—Wickström, J. [Epidemiology of epidemic hepatitis] *Fin. läk. säll. hand.*, 1936, 79: 499-540. Der Grad der Übertragbarkeit der Hepatitis epidémica. *Acta paediat.*, Upps., 1941, 28: 385-9.—Willett, J. G., Sigloff, E., & Pfau, C. L. An institutional outbreak of epidemic jaundice. *J. Am. M. Ass.*, 1936, 106: 1644-6.—Wollenberg, R. A. C. The status and relationships of infectious (epidemic) jaundice in the United States. *Ann. Clin. M.*, 1926-27, 5: 297-304.—Wolter, F. Die epidemische Gelbsucht (Hepatitis epidémica) *Kinderärztl. Prax.*, 1939, 10: 172; 228.—Yoshida, K., & Nagaoka, H. Ueber das Auftreten von toxisch-granulierten Leukocyten bei Hepatitis epidémica an Kindern. *Acta paediat. jap.*, 1939, 45: 12 (Abstr.).

infectious, common, grave.

Jawitz, H. *Icterus catarrhalis und akute Leberatrophie im Kindesalter; ein Beitrag zur Aetiologie beider Krankheiten. 39p. 21cm. Berl., 1936.

Hirschberger, C. Akute Leberatrophie und Icterus catarrhalis bei Geschwistern. *Acta paediat.*, Upps., 1935-36, 18: 482-90.—Mondon, H., & Provost, C. Syndrome confusionnel au cours d'un ictère catarrhal; rôle des polypeptides. *Bull. Soc. méd. hôp. Paris*, 1938, 3. ser., 54: 885-7.—Ramhult, A. [Cirrhosis of the liver following catarrhal jaundice] *Sven. läk. tidn.*, 1938, 35: 871-3.—Schendstok, J. D. [Severe pain in the so-called icterus catarrhalis] *Ned. tssch. geneesk.*, 1936, 80: 3841-4.—Snapper, I. Catarrhal jaundice and liver degeneration. In his *Chin. Lessons to West. Med.*, N. Y., 1941, 225-8.—Troisier, J., Albot, G., & Netter, A. Ictère commun mortel (hépatite ictérique maligne; atrophie jaune aiguë du foie) *Bull. Soc. méd. hôp. Paris*, 1938, 3. ser., 54: 88-97.

infectious, common, prolonged.

Chiche, R. *L'ictère catarrhal prolongé. 173p. 24½cm. Alger, 1934.

Bottaliga, M. Un'osservazione di ittero epidemico (così detto ittero catarrale) a decorso prolungato e con ascite; guarigione. *Policlinico*, 1934, 41: sez. prat., 2-4.—Cabot, R. C. Fifteen weeks' jaundice (mostly without pain) in an old man. *N. England J. M.*, 1933, 203: 1376-9.—Jaundice of 3 months' duration. *Ibid.*, 1935, 212: 520-2.—Cohen. Trois cas d'ictère prolongé chez l'enfant. *Bruxelles méd.*, 1937-38, 18: 684.—Doerfler, H. Die Aufgabe des Praktiklers bei lang dauerndem Icterus. *Münch. med. Wschr.*, 1935, 82: 1152-6. Also in his *Für d. Praxis*, Münch., 1938, 2: 245-53.—Hill, L. W. Jaundice of long duration in a 9-year-old girl. *Med. Clin. N. America*, 1929, 13: 187.—Lenègre, J., Albot, G., & Dupuy, B. Biopsie du foie au 63. jour d'un ictère catarrhal prolongé. *Ann. anat. path.*, Par., 1939, 16: 368-70. Ictère catarrhal prolongé guéri à la suite d'une cholécystostomie; données de la biopsie hépatique. *Bull. Soc. méd. hôp. Paris*, 1939, 3. ser., 55: 455-65.—Townsend, J. H., Mallory, T. B., & Stewart, J. D. Jaundice of a few weeks' duration. *N. England J. M.*, 1940, 223: 227-9.

infectious, hemorrhagic.

See also Hepato-renal syndrome; Icterus, Hemorrhagic diathesis; Liver, Acute yellow atrophy; also names of primary infectious dis-

eases as Leptospirosis; Recurrent fever; Syphilis; Yellow fever, etc.

Prunier, P. *Les syndromes ictéro-hémorragiques en pathologie tropicale. 84p. 8°. Par., 1932.

Ayer, D. Renal lesions associated with deep jaundice; with comments on their relations to those in the so-called hepatorenal syndrome and in transfusion reactions. *Arch. Path.*, Chic., 1940, 30: 26-41.—Boland, E. W. Pathologic data in cases of jaundice and fatal hemorrhage. *Proc. Mayo Clin.*, 1938, 13: 70-2.—Chabrol, E., & Busson, A. A propos d'un cas d'ictère grave avec atrophie jaune aiguë du foie. *Bull. Soc. méd. hôp. Paris*, 1931, 3. ser., 47: 1568-73.—Ciechanowski, S., & Kostrzewski, J. [Ictero-hemorrhagic jaundice] *Polska gaz. lek.*, 1930, 9: 961-7.—Duthoit, & Dupire. A propos de 4 cas d'ictère infectieux avec néphrite. *Echo méd. nord*, 1930, 34: 43-5.—Enfermedad pirética confundida con la fiebre amarilla en la costa del Atlántico de Colombia. *Rev. hig.*, Bogotá, 1933, 14: 227-9.—Illingworth, C. F. W. Haemorrhage in jaundice. *Tr. Med. Chir. Soc. Edinburgh*, 1939, 118, meet., 32-40.—Jorge, R. Une épidémie ictéro-hémorragique à Lisbonne d'origine hydrique per os; nosologie, bactériologie, épidémiologie. *Lisboa méd.*, 1932, 9: 1-36.—Laignel-Lavastine, Gallot, H. M. [et al.] Etude anatomo-clinique d'un cas d'ictère grave prolongé cirrhotique. *Bull. Soc. méd. hôp. Paris*, 1937, 3. ser., 53: 697-701.—Landau, A., Jochweds, B., & Pekielis, R. [Renal ictero-hemorrhagic syndrome] *Polska gaz. lek.*, 1928, 7: 484-6. Also in *Prace klin. Oddz. chor. wewn. Szpit. Wolski*, Warsz., 1932, 437-42.—Loeper, M., Lemaire, A., & Varay, A. Formes aiguës, subaiguës et chroniques de l'hépatite ictérique maligne. *Progr. méd.*, Par., 1937, 593.

La symptomatologie de l'hépatite ictérique maligne primitive. *Ibid.*, 625-9. L'hépatite ictérique maligne terminale, complication de cirrhose banale. *Ibid.*, 665.—Loeper, M., Roy, A. [et al.] L'œdème des hépatites ictériques graves. *Bull. Soc. méd. hôp. Paris*, 1936, 3. ser., 52: 1173-80.—Sazerac, R., Nakamura, H., & Kitchewatz, M. Action du bismuth sur l'ictère hémorragique. *C. rend. Acad. sc.*, 1927, 184: 411.—Snijders, E. P. Zur pathologischen Anatomie der Leber bei Gelbfieber und Weilscher Krankheit. In *Arb. Tropenkrankh.* (Festschr. B. Nocht), Hamb., 1927, 539-41.—Tønnesen, H. [Cases of jaundice with hemorrhage treated with ox gall] *Hospitalstidende*, 1933, 76: 154-61. Also *Lyon chir.*, 1934, 31: 290-8.

infectious, secondary.

See also names of primary diseases as Amebiasis; Appendicitis; Endocarditis; Gonorrhea; Pneumonia, etc.

Archambault, P. R. Ictère infectieux bénin apyrétique d'origine gonococcique. *Union méd. Canada*, 1931, 60: 93.—Bruhl, I., & Ferru, M. Ictère infectieux de nature et d'étiologie discutables, spirochétosique ou paratyphique. *Bull. Soc. méd. hôp. Paris*, 1926, 3. ser., 50: 512-5.—Chabrol, E., & Sallet, J. Sur un cas de gangrène de la main au cours d'une septicémie ictérique à perfringens. *Ibid.*, 1936, 3. ser., 52: 624-30.—Halita, M. Ictère toxico-infectieux avec hydropisie. *Ibid.*, 1927, 3. ser., 51: 1266-71.—Klinkert, H. [Jaundice as a complication of acute infectious diseases] *Geneesk. gids*, Gravenh., 1926, 4: 509-23.—Kumm, H. W. A discussion on the recent literature on infectious epidemic diseases associated with jaundice. *Tr. R. Soc. Trop. M. Hyg.*, Lond., 1930-31, 24: 421-8.—Langeron, Archer, & Danès. Sur les ictères à anaérobies (à propos d'une observation personnelle) *Rev. méd. chir. mal. foie*, 1928, 3: 319-26.—Leme da Fonseca, J. Forma icterica da molestia de Pfeiffer. *Pediat. prat.*, S. Paulo, 1931-32, 4: 275-82.—Milian, G. Ictère syphilitique ou chancreux. *Rev. fr. derm. vénér.*, 1931, 7: 23-7.—Oppenheim, M., & Fessler, A. Zur Frage des gonotoxischen Icterus. *Schweiz. med. Wschr.*, 1938, 68: 1299.—Popper, H., & Wiedmann, A. Ueber gonotoxischen Icterus. *Zschr. klin. Med.*, 1936-37, 131: 258-84.

intermittent and recurrent.

Debré, R., Cordey, F., & Duclos. Ictère à rechutes lié à une infection par le diplobacille de Friedländer. *Bull. Soc. pédiat.*, Paris, 1932, 30: 661-5.—Hartshorn, W. E. Recurrent or intermittent jaundice in youth. *Tr. N. England Surg. Soc.*, 1933, 15: 129-46. Also *N. England J. M.*, 1933, 208: 1294-9.—Jewesbury, R. C. Recurrent attacks of jaundice. *Proc. R. Soc. M.*, Lond., 1934-35, 28: 1321.—Krapar, N. B., & Roholm, K. [Histological examination by liver biopsy in icterus intermittens juvenilis] *Ugeskr. læger*, 1941, 103: 72-5. Also *Klin. Wschr.*, 1941, 20: 193-6.—Liver biopsy in juvenile intermittent icterus. *J. Am. M. Ass.*, 1942, 120 320 (Abstr.).—Meissner, R. Ueber chronisch-rezidivierenden Icterus. *Münch. med. Wschr.*, 1936, 83: 1053.—Meulengracht, E. [Icterus intermittens juvenilis] *Hospitalstidende*, 1938, 81: Suppl., 117-26. Also *Klin. Wschr.*, 1939, 18: 118-21.—Polack, E. Chronic hepatitis in young persons, with or without intermittent jaundice. *Acta med. scand.*, 1937-38, 93: 614-21. Also *C. rend. Congr. internat. insuff. hépat.*, 1937, 1. Congr., 448-53.—Radvan, I. [Hepato-pancreatitis, with recurring jaundice, of diabetes; observations on diabetic icterus] *Rev. st. med.*, Bucur., 1937, 26: 207-17.—Sande, D. van der [Relapsing jaundice] *Ned. tssch. geneesk.*, 1935, 79: 405-7.—

Weber, F. P. Sequel to supposed case of idiopathic hepatic cirrhosis with recurrent jaundice, shown on April 10, 1930; report and specimen. *Proc. R. Soc. M., Lond.*, 1934, 27: 1010.

Kernicterus.

See Icterus, neonatal, grave; Icterus, Nervous system; also Brain, Basal ganglia: Diseases: Hepatolenticular degeneration.

latent.

Brodrick, H. S., & Cullinan, E. R. A simple test for latent jaundice. *Lancet*, Lond., 1936, 1: 1237.—Cabot, R. C. Abdominal enlargement with slight jaundice. *N. England J. M.*, 1932, 207: 989-93.—Ekenstam, H. [Histamin in diagnosis of latent jaundice] *Hygiea, Stockh.*, 1932, 94: 426-32.—Elton, N. W. Postoperative latent jaundice. *Surg. Gyn. Obst.*, 1931, 53: 657-61.—Fellinger, K., & Popper, H. Ueber latentem Icterus nach Narkosen. *Arch. klin. Chir.*, 1932, 172: 575-90.—Hadley, H. G. Estimation of mild icterus. *Am. J. M. Techn.*, 1940, 6: 112.—Mendonça Cortez, J. Ictericas latentes; valor diagnóstico e interesse terapêutico. *Ann. paul. med. cir.*, 1936, 32: 335-50, 2 graph.—Oviedo Bustos, J. Hepatopatías difusas larvadas (icterus latentes, anictéricus) *Sem. méd.*, B. Air., 1933, 40: 1426-34.—Rafsky, H. A. Diagnostic value of latent jaundice in abdominal affections. *N. York State J. M.*, 1929, 29: 123-5.—Rosendaal, H. M., Comfort, M. W., & Snell, A. M. Slight and latent jaundice; the significance of elevated concentrations of bilirubin giving an indirect van der Bergh reaction. *J. Am. M. Ass.*, 1935, 104: 374-81.—Takáts, G. Latent jaundice as a symptom of biliary colic. *Ann. Surg.*, 1925, 81: 108-10.—Traina Rao, G. L'itterizia latente post-operatoria. *Riv. ital. gin.*, 1934, 12: 215.—Zink, K., & Seide, J. Histaminquaddel und Methylenblauprobe zum Nachweis des latentem Icterus. *Zschr. klin. Med.*, 1932, 122: 52-6.

Liver.

See also subheadings (hepatic; Pathogenesis; Pathology, etc.)

Fiessinger, N. Les reprises dans l'ictère apyrétique et leur gravité; la cataphylaxie hépatique. *Ann. méd., Par.*, 1938, 43: 415-25.—Ito, A. Beiträge zur Kenntnis über die feinere Struktur der Leberzellen bei den verschiedenen experimentellen Icterusarten. *Fukuoka acta med.*, 1939, 32: 117-9.—Mochizuki, N. Clinical study of the chronic hepatopathy; relation between the acute icteric hepatopathy and the chronic hepatopathy. *J. Orient. M.*, Dairen, 1939, 31: 8.—Nakamura, H., & Yamada, M. The relation between jaundice and the tissue respiration of the liver. *Tr. Soc. Path. Jap.*, 1936, 26: 592-601.

Manifestation.

Boudin, G., Gajdos, A. [et al.] Ictère à boue blanche. *Bull. Soc. méd. hôp. Paris*, 1936, 3, ser., 52: 836-40.—Cabot, R. C. Jaundice and an itching skin lesion. *N. England J. M.*, 1933, 209: 246-51.—Caroli, J. La migraine préictérique. *Bull. méd., Par.*, 1938, 52: 230-4.—Castillo, P. A. Síntomas clínicos que acompañan al síndrome icterico. *Arch. med. int.*, Habana, 1936, 2: 152-8.—Cooley, L. E. Painless jaundice. *J. Iowa M. Soc.*, 1937, 27: 112-4.—Derch, Y Marsal, F. Cólleo hepático con ictericia. *Rev. homeop. Barcel.*, 1893, 4: 247-51.—Ellis, R. W. B. Green teeth following icterus gravis. *Proc. R. Soc. M., Lond.*, 1937, 38: 1: 767.—Fiessinger, N. Les syndromes icteriques. *Rev. gén. clin. théor.*, 1929, 43: 689-94.—Gibbon, J. W. Certain clinical features of jaundice. *South. M. & S.*, 1928, 90: 613-6.—Jones, C. M. A case of jaundice with abdominal pain. *Boston M. & S. J.*, 1927, 96: 1104-7.—Kerppola, W. [Jaundice; clinical symptoms and various forms] *Duodecim, Helsin.*, 1937, 53: 915-30.—Ueber die klinischen Kennzeichen und das Auftreten des Icterus und seiner verschiedenen Formen. *Acta med. scand.*, 1939, 98: 262-79.—Le Boucher, H., Caperan, G. [et al.] Note sur un cas d'ictère à vomissements noirs. *Bull. Soc. path. exot.*, Par., 1929, 22: 612-8.—Malamud, T. El prurito de los ictericos no es de origen coláico. *Prensa méd. argent.*, 1930-31, 17: 1402-4.—Merklen, F. Selles blanche. *Prensa méd.*, 1933, 41: 41.—Ottenberg, R. Painless jaundice. *J. Am. M. Ass.*, 1935, 104: 1681-8.—Parturier, G. Séméiologie des icteres. *Rev. méd. chir. mal. foie*, 1928, 3: 415-60.—Rosenthal, F. Ueber das Wesen und die Behandlung des Hautjuckens beim Icterus. *Ther. Gegenwart*, 1929, 70: 297-301.—Snell, A. M., & Keyes, H. C. Pruritus of jaundiced patients: its incidence and treatment. *Med. Clin. N. America*, 1933, 16: 1455-70.—Weir, J. F., & Partch, W. T. The relationship of pain to jaundice. *Ann. Int. M.*, 1931, 4: 1509-20.

mechanical.

See also Icterus, emotional; Icterus, neonatal, mechanical.

Bariéty, M., & Lesobre, R. Les icteres néoplasiques. *Bull. méd., Par.*, 1939, 53: 408-12.—Clute, H. M., & Veal, J. R. The restriction of haemorrhage in obstructive jaundice by the sedimentation rate. *Ann. Surg.*, 1932, 96: 385.—Comfort, M. W., & Nygard, K. K. Measuring the tendency to hemorrhage in cases of obstructive jaundice; with special reference to the photo-electric method. *Wisconsin M. J.*, 1937, 36: 727-32.—

De Biasi, A. Ricerche sull'ittero meccanico sperimentale. *Clin. chir.*, Milano, 1936, n. ser., 12: 859-77.—Dill, L. V. The effect of obstructive jaundice on the blood platelets of the rabbit. *J. Lab. Clin. M.*, 1935-36, 21: 899-905.—Dominici, G., & Bruzzone, L. Sulle modalità di origine dell'ittero meccanico. *Boll. Soc. ital. biol. sper.*, 1938, 13: 943-5.—Elsom, K. A. Renal function in obstructive jaundice. *Arch. Int. M.*, 1937, 60: 1028-33.—Foote, F. S., & Carr, J. L. Obstructive jaundice; the differential diagnosis by roentgen-ray. *Surg. Gyn. Obst.*, 1936, 63: 570-5.—Franke, H. Die Wirkung des Vitamin K auf die Capillarresistenz beim Okklusionsikterus. *Klin. Wschr.*, 1941, 20: 212-6.—Goeters, W. Cholepathien im Kindesalter (mechanischer Verschlussikterus bei einem zweijährigen Mädchen) *Arch. Kinderh.*, 1939, 117: 195-8.—Gregory, R. L., & Andersch, M. The filtrability of bilirubin in obstructive jaundice. *J. Lab. Clin. M.*, 1936-37, 22: 1111-4.—Griffiths, W. J., & Kaye, G. A study of the blood-pigment in obstructive jaundice, with observations on the van der Bergh reaction. *Brit. J. Exp. Path.*, 1930-31, 11: 441-6.—Hatchette, C. V. Jaundice with special attention to obstructive jaundice. *Tristate M. J.*, 1935-36, 8: 1637.—Hebert, W. H. Peptic ulcers following experimentally produced obstructive jaundice: a consideration of the factors concerned in their production. *Surgery*, 1938, 3: 370-8.—Hellman, L. M., Moore, R. A., & Andrus, W. DeW. Blood heparin and lipid amino N in experimental obstructive jaundice. *Proc. Soc. Exp. Biol. N. Y.*, 1937-38, 36: 176-8.—Hunt, V. C. Obstructive jaundice. *Southwest. M.*, 1942, 26: 220-4.—Linton, R. R. The relation of the blood fibrin to the haemorrhagic diathesis of obstructive jaundice. *Ann. Surg.*, 1932, 96: 394.—Mirizzi, P. L. Causas de icterias mecánicas no cancerosas; importancia de la colangiografía operatoria. *Arch. argent. enferm. ap. digest.*, 1937, 38, 13: 145-62.—Nafziger, H. C., Carr, J. L., & Foote, F. S. Obstructive jaundice; the cause and prevention of the bleeding dyscrasia. *Tr. Am. Surg. Ass.*, 1937, 55: 264-70.—Nygaard, K. K., & Baldes, E. J. Interpretation and clinical significance of coagulograms in obstructive jaundice. *Proc. Mayo Clin.*, 1936, 11: 705-10.—Oppenheimer, G. D., Glass, A., & Netter, F. Status of cholecystogastrostomy in obstructive jaundice. *J. Am. M. Ass.*, 1937, 108: 707-9.—Rabdin, I. S., Riegel, C., & Morrison, P. J. The haemorrhagic tendency in obstructive jaundice. *Ann. Surg.*, 1935, 101: 605-12.—& Johnston, C. G. The hemorrhagic tendency of obstructive jaundice. *Am. J. M. Sc.*, 1937, 193: 278-86.—Shafiroff, B. G. P., Doubilet, H. [et al.] The effect of lymphatic block on bile resorption in obstructive jaundice. *Am. J. Physiol.*, 1942, 137: 97-103.—Shafiroff, B. G. P., Doubilet, H., & Ruggiero, W. Bilirubin resorption in obstructive jaundice. *Proc. Soc. Exp. Biol. N. Y.*, 1939, 42: 203-5.—Snell, A. M. Complications and sequelae of obstructive jaundice with special reference to the hemorrhagic diathesis. *Mississippi Doctor*, 1939-40, 17: 1-5.—Stefanini, M. La sindrome emorragica sintomatica dell'ittero meccanico e delle disfunzioni epatiche quale espressione di carenza di un complesso anti-emorragico; ricerche sperimentali e cliniche; meccanismo patogenetico dell'avitaminosi K. *Arch. sc. med., Tor.*, 1940, 69: 177-225.—Stewart, J. D. Clinical and experimental evidence on the nutritional requirements in obstructive jaundice. *N. England J. M.*, 1940, 223: 1659-66.—Sutherland, D. M. Obstructive jaundice. *Clin. J.*, Lond., 1936, 65: 109-15.—Thompson, L. L., Jr., Frazier, W. D., & Ravdin, I. S. The renal lesion in obstructive jaundice. *Am. J. M. Sc.*, 1940, 190: 305-12.—Varela Fuentes, B., Apolo, E., & Esculies, J. Ictericia por obstrucción experimental; modificaciones de las sales biliares, de la bilirubina y de la colesteroína de la sangre, en el perro. *Arch. Soc. biol. Montevideo*, 1930, 2: 207-17.—Watson, C. J. Regurgitation jaundice; clinical differentiation of the common forms, with particular reference to the degree of biliary obstruction. *J. Am. M. Ass.*, 1940, 114: 2427-32.—Waugh, T. R. Diagnosis of the cause of an obstructive jaundice by means of the blood picture. *Am. J. M. Sc.*, 1940, 200: 655-61.

mechanical, extracanalicular.

See also names of primary diseases as Granuloma malignum; Leukosis; Pancreas, Tumor; Vater's ampulla, Disease, etc.

ALVAREZ, J. J. *Ictère chronique par pancréatite curable coincident avec une lithiasé rénale droite. 52p. 8° Par., 1929.

Ali Helmi. Obstructive jaundice due to (?) carcinoma of head of pancreas relieved by cholecysto-gastrostomy. *J. Egypt. M. Ass.*, 1933, 16: 1152-64.—Benkovich, G. [Role of peribiliary lymph nodes in pathogenesis of mechanical jaundice] *Orv. hetil.*, 1940, 84: 578.—Cathala, J., Goltort, M., & Walther, R. Sur l'origine pancréatique de certains icteres prolongés avec hépatomégalie chez les enfants. *Bull. Soc. méd. hôp. Paris*, 1940, 3, ser., 56: 583-8.—Cenini, E. Icttero da neoplasia pancreatica con dotto di Wirsung pervio. *Gazz. osp.*, 1929, 50: 1103-8.—Lehner, A. Lymphome als Ursache von mechanischem Icterus. *Helvet. med. acta*, 1942, 9: 43-8. Also Schweiz. med. Wschr., 1942, 72: 23.—Mallet-Guy, P. Les icteres par inflammation chronique du pancréas, lésions anatomiques, causes, symptômes, évolution. *Gaz. hôp.*, 1926, 99: 1493-8.—Éléments de diagnostic du syndrome pancréatite chronique avec ictere. *Lyon méd.*, 1926, 138: 241-50.—Patterson, R. H. Jaundice due to obstruction by an aberrant vessel and adhesions. *Ann. Surg.*, 1936, 104: 1109-12.—Radwan, I. Hépato-pan-

créatite icterigène récidivante et diabète; considérations sur l'ictère chez les diabétiques. *Rev. gén. clin. théor.*, 1937, 51: 131-6.—**Scholl, A. J.** Jaundice due to movable kidney. *California West. M.*, 1928, 29: 87-91. Also *J. Urol.*, Balt., 1928, 19: 431-9. — & **Verbrugge, J.** L'ictère dû au rein mobile. *Arch. fr. belg. chir.*, 1927, 30: 541-5.—**Terzani, A.** Ittero meccanico cronico per tubercolosi delle ghiandole dell'ilo epatico. *Riv. clin. med.*, 1929, 30: 401-9.—**Waltman, W., & Dehne, E. A.** Jaundice caused by pancreatic lesions. *Surg. Gyn. Obst.*, 1932, 54: 832-5.

— mechanical, intracanalicular.

See also Ascariasis; Bile-duct, common; Obstruction; Bile-ducts, Obstruction; Jaundice; Biliary calculus, Jaundice in; Gallbladder, Inflammation; Giardiasis, etc.

Aubert, V. A propos des icteres de la lithiase du cystique. *Marseille méd.*, 1942, 79: 133-9.—**Bérard.** Un nouveau cas d'ictère lithiasique traité avec succès par le tubage duodénal. *Loire méd.*, 1927, 41: 367-71.—**Brulé, M.** Les icteres par cholécyste. *Bull. méd. Par.*, 1938, 52: 217-21.—**Garin, C., & Bertrand, P.** Un cas d'ictère fébrile grave dû au parasitisme des voies biliaires par *Fasciola hepatica*; guérison par l'anthiomaline associée à l'extrait de fougère mâle. *Lyon méd.*, 1938, 161: 409-12.—**Levitina, P. S.** [Case of obstructive jaundice, caused by echinococcus] *Khirurgia, Moskva*, 1937, 166-8.—**Picri, J., & Rouet.** Ictère par anguillulose rebelle; guérison par instillations duodénales de térébenthine colloïdale. *Bull. Soc. path. exot., Par.*, 1936, 29: 513-6.—**Sami, S.** [Methods of radiological examination of the liver in jaundice caused by biliary calculus] *Askeri sihiye mecmuasi*, 1936, 65: 58-75.—**Varela, B., Duomarcio, J., & Munilla, A.** Ictericia por obstrucción experimental; modificaciones del glucógeno, de las grasas totales y del glutatión reducido del hígado, después de la ligadura del colédoco o de un canal hepático. *Arch. Soc. biol. Montevideo*, 1930, 2: 15-34.—**Varela Fuentes, B., & Canziani, R.** La bilirubinemia en las ictericias por colédoco-litiasis. *Relat. Congr. argent. cir.* (1939) 1940, 11. Congr., 334-50.—**Wakley, C. P. G.** A case of obstructive jaundice cured by the construction of a new bile-duct. *Brit. J. Surg.*, 1939-40, 27: 414-9.

— mechanical: Treatment.

See also Icterus, Surgery.

Administration of bile in obstructive jaundice. *Med. J. Australia*, 1941, 1: 305.—**Banks, B. M., & Sears, J. B.** Hepatic glycogen in obstructive jaundice; comparative effect of oral and intravenous dextrose administration. *Am. J. Digest. Dis.*, 1939-40, 6: 83-7.—**Boys, F.** A report on the value of the Ivy bleeding time test and the use of viosterol in cases of obstructive jaundice. *Surgery*, 1937, 2: 817-22.—**Brinkhous, K. M., Smith, H. P., & Warner, E. D.** Prothrombin deficiency and the bleeding tendency in obstructive jaundice and in biliary fistula; effect of feeding bile and alfalfa. *vitamin K.* *Am. J. M. Sc.*, 1938, 196: 50-7.—**Carrega Casafouath, C. F.** Hasta cuando debe esperarse para intervenir a un icterico obstruido? *Rev. As. méd. argent.*, 1935, 49: 319-25.—**Crie, G., jr.** The treatment of obstructive jaundice. *Surg. Clin. N. America*, 1939, 19: 1263-74.—**Eliason, E. L., & Johnson, J.** The surgical aspect of obstructive jaundice. *Pennsylvania M. J.*, 1939-40, 43: 452-6.—**Gelderen, C. van** [On the danger of operation in mechanical jaundice] *Ned. tsehr. geneesk.*, 1940, 84: 623-8.—**Gregg, F. J.** The operative hazards in obstructive jaundice. *Clin. Rev. Pittsburgh*, 1939, 6: 121-6.—**Hedenstedt, S.** [Experiences with vitamin K (K-vimin) in obstructive jaundice] *Nord. med.*, 1940, 6: 689-92.—**Hicks, J. D.** A review of the literature concerning haemorrhage in obstructive jaundice; the significance of prothrombin and of vitamin K therapy. *Med. J. Australia*, 1941, 1: 46-51.—**Hunt, V. C.** Surgical considerations of obstructive jaundice. *Mississippi Doctor*, 1940-41, 18: 660-4.—**Illingworth, C. F. W.** Recent developments in the surgery of obstructive jaundice, with special reference to the risk of haemorrhage. *Edinburgh M. J.*, 1939, 46: 762-80. Also in *Edinburgh Postgrad. Lect.* (1938-39) 1940, 1: 307-25.—**Johnston, C. G.** Preoperative and postoperative treatment in cases of obstructive jaundice. *Surgery*, 1938, 3: 875-83.—**Johnston, L. B.** The use of massive doses of viosterol to reduce the bleeding time in obstructive jaundice. *J. Med.*, Cincinnati, 1937-38, 18: 235-8.—**Klopp, E. J., & Cantarow, A.** Jaundice in biliary tract disease; medical and surgical considerations. *Surg. Clin. N. America*, 1936, 16: 531-68.—**Macfie, J. M., Bacharach, A. L., & Chance, M. R. A.** The vitamin K activity of 2-methyl-1:4-naphthoquinone and its clinical use in obstructive jaundice. *Brit. M. J.*, 1939, 2: 1220-3.—**MacGuire, D. P.** Problems in obstructive jaundice cases. *Am. J. Digest. Dis.*, 1936-37, 3: 244-8.—**Mirizzi, P. L.** Mechnischer Ikterus. *Dent. Zschr. Chir.*, 1937, 249: 148-61.—**Gison, K. B., & Menzel, H.** The bleeding tendency in obstructive jaundice and its correction by means of vitamin K. *Surgery*, 1939, 6: 206-20.—**Pittman, J. E.** Obstructive jaundice: diagnosis and treatment. *South. Surgeon*, 1940, 9: 485-94.—**Reed, G. S.** The use of vitamin K in obstructive jaundice. *N. York State J. M.*, 1941, 41: 1653-5.—**Stewart, J. D., & Rourke, G. M.** Control of prothrombin deficiency in obstructive jaundice by use of vitamin K. *J. Am. M. Ass.*, 1939, 113: 2223-7. — & **Allen, A. W.** Control of postoperative bleeding in obstructive jaundice. *Ann. Surg.*, 1939, 110: 693-700.—**Warner, E. D.,**

Brinkhous, K. M., & Smith, H. P. Bleeding tendency of obstructive jaundice: prothrombin deficiency and dietary factors. *Proc. Soc. Exp. Biol.*, N. Y., 1937-38, 37: 628-30.—**Woodruff, M. F. A., & Wright, R. D.** The diagnosis, incidence and treatment of avitaminosis A and D in obstructive jaundice. *Australas. N. Zealand J. Surg.*, 1940-41, 10: 135-45.—**Zollinger, R., & Keverkian, A. Y.** Surgical aspects of obstructive jaundice. *N. England J. M.*, 1939, 221: 486-8.

— Metabolism.

See also Icterus, Diagnosis; Tests; Liver function.

Bielschowsky, P. Untersuchungen über das Säure-Basen-Gleichgewicht und die Ketonkörper im Blut bei Ikterus. *Zschr. klin. Med.*, 1930, 114: 466-9.—**Bumm, E., & Fehrenbach, K.** Ueber verschiedene Wege des Zuckerabbaues im tierischen Organismus. *Zschr. physiol. Chem.*, 1930, 193: 238; 1931, 195: 101.—**Cantarow, A., Dodek, S. M., & Gordon, B.** Calcium studies in jaundice; with special reference to the effect of parathyroid extract on the distribution of calcium. *Tr. Coll. Physicians Philadelphia*, 1927, 3. ser., 49: 132-43.—**Günther, L., & Greenberg, D. M.** The diffusible calcium and the proteins of the blood serum in jaundice. *Arch. Int. M.*, 1930, 45: 983-1003.—**Hatakeyama, T.** Ueber den Eiweissstoffwechsel und Phosphorsäurebestand bei dem experimentellen, hämolytischen und Stauungsikterus. *J. Biochem., Tokyo*, 1927, 8: 261-73.—**Hemmeler, G.** Serumseisen bei Ikterus. *Helvet. med. acta*, 1939, 6: 678-81.—**Iwata, Y.** Ueber das Verhalten des Ca, K und Na im Blutserum bei den verschiedenen experimentellen Ikterusarten. *Acta med. nagsaki*, 1939, 1: Suppl., 71: 90. — Ueber die Ausscheidung des Ca durch die Galle bei verschiedenen experimentellen Ikterusarten. *Ibid.*, 93. — Ueber die Resorption des Ca bei der peroralen Ca-Belastung bei verschiedenen experimentellen Ikterusarten. *Ibid.*, 95.—**Labbe, M., Roubreau, H., & Nepveux, F.** Le rapport azoté-mique et l'aminosacidémie au cours des icteres. *C. rend. Soc. biol.*, 1931, 106: 349. Also *J. méd. Paris*, 1931, 51: 863.—**Meulengracht, E.** The blood sugar curve in various forms of icterus. *Acta med. scand.*, 1932, 79: 32-75. Also *Hospitalstidende*, 1930, 73: 1091; 1145.—**Meyer, K. A., Popper, H., & Steigmann, F.** Significance of rise of nonprotein nitrogen in medical and surgical jaundice. *J. Am. M. Ass.*, 1941, 117: 847-50.—**Nicaud, P., Laudat, M., & Breton, P.** Etude du métabolisme des lipides dans les icteres bénins. *Bull. Soc. méd. hôp. Paris*, 1940, 3. ser., 56: 647-50.—**Odsari, T.** Studien über Gastofowechsel und Minutenvolum; Gasumsatz und Minutenvolum beim Ikterus. *Tohoku J. Exp. M.*, 1926, 7: 106-10.—**Snell, A. M., & Greene, C. H.** The calcium in the serum in jaundice. *Am. J. Physiol.*, 1930, 92: 630-8.—**Wainstein, S. S., & Shatalova, A. A.** [The glycogen curve and the clinical aspect of jaundice] *Ter. arkh.*, 1934, 12: 42-55.—**Zemplén, B., & Strobbe, P.** [Changes of total lipids and lipid fractions in the blood serum during jaundice] *Orvosképzés*, 1935, 25: oct. különf. (L. Kéty Festschr.) 147-52.

— Military aspect.

Bormann, F. von. Hepatitis epidemica, epidemische Gelbsucht, eine Militärkrankheit. *Med. Klin.*, Berl., 1940, 36: 261-3 (microfilm).—**Dorland, W. A. N.** Jaundice in the Army. *Clin. Med.*, 1942, 49: 281.—**Doull, J. A.** Jaundice in the Army. *Bull. Acad. M. Cleveland*, 1942, 27: No. 10, 11.—**Fauqué.** Les icteres dans l'armée. *J. méd. Bordeaux*, 1937, 114: pt 2, 461-71.—**Jaundice following yellow fever vaccination.** *J. Am. M. Ass.*, 1942, 119: 1110; 1293.—**Jaundice in the armed forces.** *Ibid.*, 120: 46.—**Leslie, P.** Chronic jaundice. *Med. J. Australia*, 1942, 1: 705.—**Osborne, J. W.** Cases of jaundice. *J. R. Army M. Corps*, 1942, 78: 199-201.—**Outbreak (The) of jaundice in the Army.** *J. Am. M. Ass.*, 1942, 120: 51-3.—**Post-vaccinal jaundice.** *Mil. Surgeon*, 1942, 91: 465.—**Rogers, J. A.** The outbreak of jaundice in the Army. *Ibid.*, 386-93. Also *J. Am. M. Ass.*, 1942, 120: 51-3.—**Ruge, H.** Einige Beobachtungen über das Auftreten von Gelbsucht unter besonderer Berücksichtigung von 1642 Fällen in der Marine. *Zschr. klin. Med.*, 1926, 103: 272-85. — Zehn Jahre Gelbsucht in der Marine (1919-29) Beobachtungen an 2500 Fällen (Statistik, Zusammenhänge mit Syphilis und Salvarsan, Klinik, Epidemiologie) *Erg. inn. Med. Kinderh.*, 1931, 41: 1-112.

— mixed.

Bénard, H., & Caroli, J. Hépatite icterigène et lithiase. *Paris méd.*, 1930, 75: 483-7.—**Beretta, A.** A proposito di un caso di epatite eronica alcoolica complicata da calcolosi biliare; ittero grave secondario. *Pensiero med.*, 1934, 23: 193-8.—**Cole, C. E. C., Little, O. J. S.** [et al.] An unusual case of obstructive jaundice and septicaemia. *Canad. M. Ass. J.*, 1936, 35: 188-90.—**Dupuy, R., & Engel, M.** Sur un cas d'ictère additionné, ictere hépatique, au cours d'un ictere hémolytique. *Sang. Par.*, 1937, 11: 22-8.—**Foa, M.** Sopra due casi di ittero grave da cloroformico in cirrotici latenti. *Gazz. med. ital.*, 1907, 58: 41-3.—**Gamna, C.** Sintesi di diagnostica medica; quadro di ittero cronico da epatocolangite ascendente come seguito ad una colelitisi calcicola; un grave episodio emorragico sopraggiunto altera repentinamente il reperto obiettivo per un interessante contegno del fegato e della milza. *Minerva med.*, Tor., 1938, 29: pt 2, 565-9.—**Grieco, F.** Su di un complesso caso di ittero. *Ann. ital. chir.*, 1938, 17: 297-306.—**Herhsus, B.** Parenchymatöser Ikterus nach

Splenektomie bei konstitutionellem hämolytischem Ikterus. Münch. med. Wschr., 1937, 84: 1807-9. — **Hijmans van de Bergh, A. A., & Kamerling, A. W. C. G.** [Cirrhosis of the liver with hemolytic anemia and profuse hematinemia] Ned. tscr. geneesk., 1934, 78: 4432-9. Also Ann. méd., Par., 1935, 38: 309-16. — **Owen, H. R., & North, J. P.** Splenectomy and cholecystectomy in 2 cases of splenomegaly with jaundice and cholelithiasis. Ann. Surg., 1935, 101: 931-4. — **Schilling, V.** Ueber die hämatologische Aufklärung einer angeblichen Kohlenoxydvergiftung als mehrfach komplizierten Ikterus hämolyticus und über die allgemeine Wichtigkeit der Blutuntersuchung zur Beurteilung von Traumen. Arch. Gewerbepath., 1936-37, 7: 691-9. — **Twiss, J. R., Carter, R. F., & Greene, C. H.** Jaundice associated with disease of the liver and gall bladder, a statistical study of 926 cases. C. rend. Congr. internat. insuff. hépat., 1937, 1. Congr., 367-71. — **Zoja, L.** Sopra un caso di ittero emolitico con coliche biliari. Gior. med. prat., 1931, 13: 3-30.

— neonatal.

BONDUEL, A. A. Icterias infantiles. 310p. 27cm. B. Air., 1938.
EBERHARD, G. *Beitrag zur Frage des kongenitalen Ikterus. 30p. 8°. Zür., 1929.
SCHULTE, G. C. *Ikterus neonatorum. 17p. 4°. Wauwatosa, Wis., 1933.
Alarcón, G. Icterias del recién nacido. Rev. mex. puericult., 1935, 5: 980. — **Alcantara, P. de.** Icterias do recém-nascido. Pediat. prat., S. Paulo, 1931, 5: 349-58. — **Arden, F.** Haemorrhage, anaemia and jaundice in the new-born. Med. J. Australia, 1941, 2: 343-9. — **Bennett, F.** Ikterus neonatorum. N. Zealand M. J., 1937, 36: No. 195, Suppl., 39-43. — **Book, N.** Ikterus neonatorum. Canad. M. Ass. J., 1935, 33: 269-72.
Butler, C. D. Ikterus in the newborn. Illinois M. J., 1938, 73: 50-4. Also Med. Surg. Suggestions, Madras, 1939, 8: 105-10.
Carreon, L. C. Icterias del recién nacido. Rev. chilena pediat., 1940, 11: 514-20. — **Cerza, L.** Sull'ittero dei neonati. Pediatra (Riv.) 1933, 41: 1243-8. — **Danis, P. G.** Recent observations on the etiology, course, and treatment in icterus and anemia of the newborn. Week. Bull. S. Louis M. Soc., 1941-42, 36: 46-51. — **Giraud, P.** Les ictères des nouveau-nés. Marseille méd., 1934, 71: 629-36. Also J. méd. Paris, 1935, 55: 185-7. Also Med. inf., Par., 1935, 42: 16-27. — **Goldbloom, A., & Gotlib, R.** Ikterus neonatorum. Am. J. Dis. Child., 1929, 38: 57-74. Also Rev. fr. pédiat., 1932, 8: 177. — **Hampson, A. C.** Jaundice in the newly born. Practitioner, Lond., 1933, 131: 59-70. — **Huhs, E.** Die Intrakutanreaktion mit Ferrizyankali bei Ikterus neonatorum. Mschr. Geburtsh. Gyn., 1932, 91: 386-97. — **Idé, M.** L'ictère des nouveau-nés. Rev. méd. Louvain, 1929, 110: Jaundice noted one hour after birth. N. England J. M., 1941, 224: 117-20. — **Jemima, R.** Gli icteri dei neonati. Baglivi, 1935, 1: 107-15. — **Kaboth, E.** Tödliche Bluterkrankung bei einem Neugeborenen nach abgeheiltem angeborenem Ikterus. Deut. med. Wschr., 1922, 48: 905. — **Krost, G. N.** Human blood serum in the treatment of anemia associated with jaundice in the newborn infant. J. Pediat., S. Louis, 1937, 10: 613-21. — **Lange, C. de** [Congenital jaundice]. Ned. tscr. geneesk., 1926, 70: pt 2, 2408-10. — **Mackay, H., & O'Flynn, E.** Three types of haemolytic anaemia in the newborn. Brit. J. Child. Dis., 1937, 34: 193-9. — **Mackay, R. L.** An atypical case of congenital jaundice with hepatic cirrhosis. Lancet, Lond., 1927, 1: 1183. — **Pierce, S. N.** Pseudo-icterus of the newborn. Tr. Pacific Soc. Obst. Gyn., 1935, 5: 117-25. Also West. J. Surg., 1936, 44: 156-64. — **Sanford, H. N.** Jaundice in the newborn. Internat. Clin., 1940, n. ser. (3) 2: 159-68. — **Schippers, J. C.** [Jaundice in the new born] Ned. tscr. geneesk., 1932, 76: pt 2, 2898-904. — **Velasco Blanco, L.** Icterias de los recién nacidos. Arch. amer. med., B. Air., 1940, 16: 1-11. — **Westrienen, A.** [Four cases of rare jaundice in new-born children] Mschr. kindergeneesk., 1934, 3: 465-73. — **Whitaker, W. M.** Anemia and jaundice in the newborn. Illinois M. J., 1938, 74: 134-42.

— neonatal: Buhl's syndrome.

See also Hemoglobinuria; Steatosis.

Craciun, E. C., & Slobozianu, H. Contribution à la pathogénie de la maladie de Buhl. Bull. Acad. méd. Roumanie, 1937, 4: 469-71. — **Craciun, E., Slobozianu, H., & Ursu, A.** Contribution à l'étiologie et à la pathogénie de la maladie de Buhl. Arch. méd. enf., 1937, 40: 636-43. — **Slobozianu, R.** Forme cérébrale de la maladie de Buhl. Bull. Soc. pédiat. Paris, 1935, 33: 179.

— neonatal, cyanotic (Laroyenne-Charrin type; Winckel's disease)

See also Hemoglobinuria, epidemic.

Gi, K. Ein Fall von Neugeborenenepsis mit dem Symptomenkomplex der Winckelschen Krankheit. Acta paediat. jap., 1938, 44: 6 (Abstr.). — **Glaser, J., & Epstein, J.** Winckel's disease. Am. J. Dis. Child., 1940, 60: 1375-80, pl. — **Polayes, S. H., & Kramer, B.** Winckel's disease; report of a case, repeated transfusion, recovery. J. Pediat., S. Louis, 1933, 2: 452-6. — **Wheeling, W. S., & Slesinger, H. A.** Winckel's disease; report of case. Arch. Pediat., N. Y., 1934, 51: 740-2.

— neonatal, familial grave (Lagrèze-Pfannenstiell type)

See also Brain, Basal ganglia; Disease; Hepato-lenticular degeneration; Anemia, erythroblastic; Erythroblastosis; Fetus, Hydrops; Icterus, grave.

BLANC, M. *Sur des cas récents d'ictère grave familial du nouveau-né, maladie de Pfannenstiell. 107p. 25½cm. Lyon, 1937.

BLUM-ZILBERMANN, I. *Contribution à l'étude de l'ictère des noyaux cérébraux des nouveau-nés à propos de 4 observations personnelles. 30p. 8°. Genève, 1935.

DOLLET, M. *L'ictère nucléaire du nouveau-né. 91p. 25½cm. Lyon, 1939.

ESTERS, W. *Ueber Ikterus gravis familiaris. 5p. 22cm. Marb., 1920.

GRAMATICOFF, T. *L'ictère grave familial du nouveau-né avec érythroleucoblastose. 71p. 8°. Lyon, 1934.

MARCOVICI, B. *L'ictère grave familial du nouveau-né (maladie de Pfannenstiell) 55p. 8°. Par., 1935.

SPRÜGEL, W. *Ueber Beziehungen des Ikterus neonatorum gravis familiaris zu Störungen des neuroendokrinen Blutregulationsmechanismus bei der Mutter [Berlin] 36p. 8°. Kallmünz, 1938.

WANG, P. C. *Prophylaxie et traitement de l'ictère grave familial du nouveau-né. 93p. 8°. Lyon, 1935.

Abt, A. F. Erythroblastosis in icterus gravis neonatorum. J. Pediat., S. Louis, 1933, 3: 7-30. — **Adams, J. M., & Cochrane, R. F.** Erythroblastosis, icterus gravis, in the newborn; report of a family of 3 children. Minnesota M., 1940, 23: 569-72. — **Altitzoglou, J.** Das Blutbild beim Ikterus neonatorum familiaris gravis und seine diagnostische Bedeutung. Mschr. Kinderh., 1933, 58: 329-51. — **Aronde, A.** Ictère grave familial du nouveau-né sans érythroblastose. Bull. Soc. pédiat. Paris, 1938, 36: 670-3. — **Baird, F., & Ebbs, J. H.** Atrophic cirrhosis of the liver following icterus gravis neonatorum. Arch. Dis. Child., Lond., 1937, 12: 389-98. — **Beker, J. C., & Smidt van Gelder, J. H.** [Dropsy of fetus and placenta and icterus gravis neonatorum] Ned. tscr. geneesk., 1933, 77: 1545-52. — **Benecke, E.** Hyperinsulinismus und Glykogenspeicherung beim Ikterus familiaris gravis. Zbl. allg. Path., 1939, 72: 401-9. — **Bertrand, A., & Guibault, A.** Un cas d'érythroblastose du nouveau-né avec ictère. Union méd. Canada, 1941, 70: 1301-4. — **Blechmann, G., & Lévy, P. P.** Deux cas mortels d'ictère grave familial du nouveau-né. Bull. Soc. pédiat. Paris, 1935, 33: 280-7. Also Nourrisson, 1935, 23: 250. Also Rev. méd. chir. mal. foie., 1935, 10: 433-59. — **Blumberg, A. S., & Kitaigorodsky, O. D.** [Jaundice of the nuclei in infants] J. russ. dets. vozr., Moskva, 1933, 13: 389-93. — **Broca, R., & Marie, J.** L'ictère grave familial du nouveau-né. In Année pédiat. (Broca, R., & Marie, J.) Par., 1936, 2: 116-22. — **Brock, S., & Wolf, A.** Cerebral complications of icterus gravis neonatorum. Arch. Neurol. Psychiat., Chic., 1936, 36: 1368-72. Also J. Nerv. Ment. Dis., 1936, 83: 689-94. — **Buhrman, W. L., & Sanford, H. N.** Is familial jaundice of new-born infants erythroblastosis? report of 2 cases. Am. J. Dis. Child., 1931, 41: 225-35. — **Croswell, C. V.** Erythroblastosis, with jaundice, anemia, and edema in the new-born; report of case. Mississippi Doctor, 1937-38, 15: No. 6, 26-9. — **Darrow, R. R.** Ikterus gravis (erythroblastosis) neonatorum; an examination of etiologic considerations. Arch. Path., Chic., 1938, 25: 378-417. — **Ferguson, J. A.** Erythroblastosis with jaundice and edema in the newborn. Am. J. Path., 1931, 7: 277-97, 4 pl. — **Fujimori, H.** On icterus gravis familiaris of the newborn. Jap. J. Obst., 1933, 16: 234-7. — **Gierke, E. von.** Ueber Ikterus gravis neonatorum und Hydrops congenitus. Zbl. Gyn., 1933, 57: 2310-2. — **Greenwald, H. M., & Messer, W.** Ikterus neonatorum gravis; report of a case which recovered with sequelae pointing to an involvement of the central nervous system. Am. J. M. Sc., 1927, 174: 793-9. — **Hart, A. P.** Familial icterus gravis of the newborn and its treatment. Pub. Univ. Toronto Dep. Pediat., 1929, 418-24. — **Hawksley, J. C., & Lightwood, R.** A contribution to the study of erythroblastosis: icterus gravis neonatorum. Q. J. Med., Lond., 1934, n. ser., 3: 155-209, 5 pl. — **Hotz, A.** Geheilte Ikterus neonatorum gravis familiaris nach Vorbehandlung der Mutter mit Leber in graviditate. Kinderärztl. Prax., 1937, 8: 283-6. — **Huwer, G.** Der Kernikterus der Neugeborenen. Zschr. Geburtsh. Gyn., 1928, 94: 150-62. — **Illingworth, R. S.** Case of kernikterus. Proc. R. Soc. M., Lond., 1938-39, 32: Sect. Stud. Dis. Child., 1200. — **Logikhes, M. I., & Khotina, S. J.** [Congenital hypertonic-athetotic diseases and icterus gravis neonatorum] Sovet. vrach, J., 1936, 1: 592-6. — **Klingman, W. O., & Carlson, E. R.** Cerebral sequelae of severe jaundice in the newborn. Bull. Neur. Inst. N. York, 1937, 6: 228-32. — **Kramstsky, S.** Zur Frage des Ikterus neonatorum gravis. Zschr. Kinderh., 1931, 51: 273-5. — **Ku, D. Y., & Li, Y.** Zur Kenntnis der fetalen

Erythro-Leukoblastose und des Icterus neonatorum malignus. Virchows Arch., 1932, 283: 62-73.—Lange, C. de. Icterus familiaris gravior und Hydrops foetalis cum erythro-leukoblastosi. Acta paediat. Upps., 1932, 13: 292-9, pl. Also Mschr. kindergeneesk., 1938-39, 8: 257-61. — Weiterer Beitrag zur Kenntnis des Icterus familiaris gravior. Jahrb. Kinderh., 1934, 3. F., 92: 255-80. — Kernikterus (Orth-Schmorl) mit und ohne Erythroblastose. Ibid., 1935, 3. F., 95: 273-98, pl.—Levinson, M. M., & Pevzner, R. Z. [Two cases of grave familial jaundice in one family] Sovet. pediat., 1934, No. 7, 92-4.—Looft, C. [Two cases of icterus neonatorum followed by cerebral disease in children] Med. rev., Bergen, 1927, 44: 539-49.—McKinley, H. Icterus gravis neonatorum with erythroblastosis. Arch. Dis. Childh., Lond., 1941, 16: 63-6.—Marie, J., & Boutet, A. Ictère grave hémopathique du nouveau-né; érythroblastémie légère mais prolongée; guérison par l'hémothérapie intraveineuse. Paris méd., 1938, 109: 342-7.—Mayman, E. W. Erythroblastosis in icterus gravis neonatorum successfully treated with vitamin K. J. Pediat., S. Louis, 1940, 17: 806-8.—Miller, H. C. The familial occurrence of icterus gravis, congenital anemia of the newborn, and erythroblastosis fetalis; case studv. Yale J. Biol., 1938-39, 11: 363-8.—Montaur, J. H., & Lévy, P. P. Ictère grave familial du nouveau-né; absence d'érythroblastose sanguine et viscérale. Bull. Soc. pédiat. Paris, 1937, 35: 598-606. — Ictère grave familial du nouveau-né; érythroblastose transitoire, anasarque, mort. Ibid., 1938, 36: 673-97.—Péhu, L. Ictère grave familial du nouveau-né. Paris méd., 1934, 93: 353-9. Also Rev. méd. Suisse rom., 1942, 62: 686. — & Brochier, A. Sur un cas d'ictère grave familial du nouveau-né (érythroblastose) guéri par hémothérapie. Bull. Acad. méd., Par., 1934, 3. ser., 112: 673-6. — & Wang, P. Prophylaxie et traitement de l'ictère grave familial du nouveau-né. Rev. fr. pédiat., 1935, 11: 304-49.—Péhu, M., & Dollet, M. L'ictère nucléaire du nouveau-né. Ibid., 1939, 15: 349-90.—Péhu, M., Noël, R., & Brochier, A. Sur des cas d'ictère familial du nouveau-né avec guérison après traitements. Bull. Acad. méd., Par., 1937, 3. ser., 117: 375-82. — Nouvelle contribution à l'étude de l'ictère grave familial du nouveau-né. Bull. Soc. pédiat. Paris, 1937, 35: 606-12. — Sur des cas récents d'ictère grave familial du nouveau-né. Rev. fr. pédiat., 1937, 13: 565-611.—Péhu, M., Trillat, P., & Noël, R. Anasarque foetoplacentaire avec érythroblastose, survenue après 2 cas mortels d'ictère familial du nouveau-né. Gyn. obst., Par., 1936, 33: 38-43.—Rinehart, J. F., & Smyth, F. S. Changes in the adrenal glands in cases of icterus gravis with erythroblastosis. Am. J. Dis. Childh., 1941, 62: 896.—Rosenbaum, H. A. Familial icterus of the new-born; report of a case. Arch. Pediat., N. Y., 1928, 45: 621-5. Also Med. Press & Circ., Lond., 1929, n. ser., 127: 156.—Ruiz, C. Sobre ictericia grave del recién nacido y eritroblastosis. Arch. argent. pediat., 1940, 13: 152-66. Also Arch. pediat. Uruguay, 1940, 11: 107.—Schultheiss, F. Familiärer Icterus neonatorum gravis. Helvet. med. acta, 1940, 7: 60-4.—Sinn, H. J. Kernikterus. Med. J. Australia, 1942, 1: 419.—Slobozianu, H., & Ionesco, V. T. Sur un cas d'ictère grave familial. Bull. Acad. méd. Roumanie, 1937, 2: 178. — Contribution à l'étude de l'ictère grave familial du nouveau-né. Rev. fr. pédiat., 1937, 13: 336-50.—Smidt van Gelder, J. H. [Case of icterus gravior] Mschr. kindergeneesk., 1938-39, 7: 478-85.—Sobel, I. P., & Zucker, J. M. Icterus gravis neonatorum; end results of the syndrome of nuclear jaundice. J. Pediat., S. Louis, 1940, 16: 445-55.—Stork, Ueber Icterus gravis neonatorum und Hydrops congenitus. Zbl. Gyn., 1933, 57: 425-35.—Traversaro, J. C., Ruiz, C., & Pérez, H. Sobre la ictericia grave del recién nacido, considerada como una eritroblastosis. Sem. méd., B. Air., 1936, 43: 624-6.—Vertruyen, H., Lévy, F., & Vandiest, L. A propos d'un cas d'ictère grave familial du nouveau-né. Bull. Soc. gyn. obst. Paris, 1938, 27: 650. Also Strasbourg méd., 1938, 98: 482. Also Gynécologie, 1939, 38: 553-61.—Westrienen, A. [Case of cerebral involvement after jaundice during the first weeks of life (kernikterus?)] Mschr. kindergeneesk., 1935, 4: 454-8, pl. — [Atropin treatment of an infant with extrapyramidal motor disturbances, caused by jaundice] Ibid., 1936, 5: 434-41, 4 pl. — [Demonstration of an infant with cerebral changes due to jaundice, treated with large doses of atropin] Ned. tschr. geneesk., 1936, 80: 1524. — & Lange, C. de. Atropinbehandlung bei den Folgen von Kernikterus. Jahrb. Kinderh., 1937, 3. F., 100: 257-66.—Wijzenbeek [Icterus gravis familiaris; blood transfusion; cure] Ned. tschr. geneesk., 1929, 73: 219-21.—Zimmerman, H. M., & Yannet, H. Kernikterus; jaundice of the nuclear masses of the brain. Am. J. Dis. Childh., 1933, 45: 740-59, pl. — Cerebral sequelae of icterus gravis neonatorum and their relation to kernikterus. Ibid., 1935, 49: 418-30.

neonatal, grave.

See also Icterus, neonatal, infectious.

JERUS, D. H. *Contribution à l'étude de l'ictère grave des nouveau-nés. 30p. 8°. Lausanne, 1935.

MEYER, G. *Ein Beitrag zum Icterus gravis neonati [Kiel] 10p. 8°. Stuttg., 1933. Also Arch. Kinderh., 98: 143-51.

Allyn, W. E. Icterus gravis neonatorum; a case report. J. Am. Inst. Homcop., 1939, 32: 674-6.—Astrachan, M.

Jaundice in children; report of 6 cases of icterus gravis neonatorum. Am. J. Dis. Childh., 1937, 53: 137; 540.—Bernheim-Karrer, J. Ueber Icterus gravis beim Neugeborenen. Zschr. Kinderh., 1936, 58: 105-25. Also Schweiz. med. Wschr., 1937, 67: 265. — & Grob, M. Zur Prophylaxe des Icterus neonatorum gravis. Zschr. Kinderh., 1930-31, 50: 672-9.—Bilderback, J. B., & Bridgeman, M. L. Icterus gravis neonatorum. Northwest M., 1940, 39: 85-91.—Boehncke, H. Beitrag zur Kenntnis des Icterus gravis. Zschr. Kinderh., 1938-39, 60: 666-82.—Boer, F. de [Case of grave jaundice, treated by repeated blood transfusions] Mschr. kindergeneesk., 1937, 7: 24-8.—Bouwduik Bastiaanse, van [Icterus gravis neonatorum] Ned. tschr. geneesk., 1931, 75: 1508-11.—Braid, F. Osseous dystrophy following icterus gravis neonatorum. Arch. Dis. Childh., Lond., 1932, 7: 313-20. — Generalized osteitis fibrosa with areas of pigmentation of the skin and precocious puberty in the female. Ibid., 1939, 14: 181-202.—Broca, R. Ictère grave du nouveau-né; signes, diagnostic et traitement. Bull. méd., Par., 1937, 51: Suppl., No. 3.—Burghard, E., & Schleussing, H. Folgezustände des Icterus neonatorum gravis. Klin. Wschr., 1933, 12: 1526-9.—Collis, W. R. F. Icterus gravis neonatorum. Irish J. M. Sc., 1934, ser. 6, 106-12.—Danis, P. G., & Anderson, W. A. D. Choline chloride in the treatment of icterus gravis neonatorum. South. M. J., 1942, 35: 1070-6.—Drukker, J. [Two unusual cases of icterus gravis neonatorum] Ned. tschr. geneesk., 1940, 84: 3053-62.—Dyson, J. E. Icterus gravis neonatorum. J. Iowa M. Soc., 1935, 25: 450-2.—Ego Aguirre, E. Síndrome ietero-hemorragico del recién nacido. Crón. méd., Lima, 1934, 51: 247-56.—Ferrari, A. Quelques considérations sur l'ictère grave du nouveau-né. J. méd. Paris, 1928, 47: 657-9. Also Méd. inf., Par., 1928, 34: 211-8. Also Rev. méd. Suisse rom., 1928, 48: 302-6.—Haler, D. Severe jaundice with hepatosplenomegaly in a child aged 7 days. Proc. R. Soc. M., Lond., 1935-36, 29: 218.—Hardwick, C., & Lloyd, O. Icterus gravis neonatorum cured by splenectomy. Lancet, Lond., 1941, 2: 339.—Haverschmidt, J. Icterus neonatorum gravis. Ned. tschr. geneesk., 1928, 72: pt. 2, 5406-18.—Hawksley, J. C., & Lightwood, R. Icterus gravis neonatorum. Proc. R. Soc. M., Lond., 1933, 26: sect. child., 1368.—Hoffmann, W., & Hausmann, M. Icterus neonatorum gravis; Folgezustände und Pathogenese. Mschr. Kinderh., 1926, 33: 193-224.—Icterus gravis neonatorum. Brit. M. J., 1934, 2: 73.—Kawakami, H., & Yogo, E. Our treatment for serious neonatal jaundice. Jap. J. Obst., 1938, 21: 218-26.—Kleinschmidt, H. Icterus neonatorum gravis. Klin. Wschr., 1930, 9: 1951-4.—Lange, C. de. Diagnostic rétrospectif d'ictère grave du nouveau-né. Rev. fr. pédiat., 1936, 12: 793-804.—Lightwood, R., & Hawksley, J. C. Icterus gravis neonatorum and allied diseases. Proc. R. Soc. M., Lond., 1934, 27: sect. Obst., 255-7.—MacClure, Ueber Icterus neonatorum gravis. Zschr. Kinderh., 1931, 51: 86-92.—Mantero, M. E. Anemia e ictericia perinatales; hemorragia cerebromeningea. Arch. argent. pediat., 1941, 15: 518.—Nobécourt, P. L'ictère grave chez les enfants. Médecine, Par., 1938, 19: 604-13.—Oeberius Kapteyn, W. H. [Certain cases of icterus gravis neonatorum and congenital anemia] Mschr. kindergeneesk., 1937, 6: 397-406.—Péhu, M. Les ictères graves du nouveau-né. Rev. prat. mal. pays chauds, 1939, 19: 153-71.—Rosenthal, S. R. Icterus gravis neonatorum. In Path. Conf. (Jaffé, R. H.) Chic., 1940, 526.—Ross, S. G., & Waugh, T. R. Certain types of icterus gravis. Tr. Am. Pediat. Soc., 1934, 46: 23. Also Am. J. Dis. Childh., 1936, 51: 1059-82.—Saxl, O. Icterus gravis und kongenitale Anämie. Jahrb. Kinderh., 1936-37, 3. F., 98: 271-303.—Snoo, K. de. Ursachen und Behandlung des Icterus gravis neonatorum. Mschr. Geburtsh. Gyn., 1942, 113: 150-78.—Sobel, I. P. Icterus gravis neonatorum. Am. J. Dis. Childh., 1936, 51: 104-12. — Favorable end results in icterus gravis neonatorum. J. Pediat., S. Louis, 1941, 18: 621-8.—Splenectomy for icterus gravis neonatorum. Lancet, Lond., 1941, 2: 344.—Strong, R. A., & Marks, H. P. Icterus gravis neonatorum. J. Pediat., S. Louis, 1939, 15: 658-79, pl.—Thoenes, F. Ueber Icterus neonatorum gravis. Mschr. Kinderh., 1936, 65: 225-34.—Vinnecous, M. I. Icterus gravis neonatorum. Am. J. Dis. Childh., 1941, 62: 681.

neonatal, hemolytic.

See also Icterus, hemolytic, familial.

Acuña, M. La esplenectomía en la ictericia hemolítica del niño. Dia méd., B. Air., 1933-34, 6: 2.—Alder, A. Der angeborene hämolytische Icterus. Spec. Path. Ther. inn. Krankh., 1927, 11: 375-84.—Bacalogu, C., Enachesco, M., & Gheorghiu, C. Ictère hémolytique congénital; essai de traitement par les lipoides. Sang. Par., 1933, 7: 256-71.—Barberi, S. Contributo allo studio dell'ittero emolitico nei lattanti. Clin. ostet., 1927, 29: 431-6.—Baly, J. M. A case of congenital hemolytic jaundice with an unusually high percentage of reticulocytes. Am. J. M. Sc., 1930, 179: 546-9, pl.—Beekman, H. [Case of hemolytic jaundice in an infant] Mschr. kindergeneesk., 1938, 7: 157-65.—Beretervide, E. A., & Alurralde, P. Ictericia hemolítica congénita; consideraciones sobre el resultado de la esplenectomía; a propósito de 2 casos observados. Arch. argent. pediat., 1931, 2: 652-77.—Broca, R. La maladie hémolytique chez l'enfant; icterè hémolytique congénital. Bull. méd., Par., 1938, 52: Suppl., No. 51, 1-4.—Casabon, A. Ictericia hemolítica congénita. Dia méd., B. Air., 1935, 7: 919-21.—Castellano, T., Girardet, O. E., & Bertola, V. Resultado de la esplenectomía en un caso de ictericia hemolítica

- congénita (estudio de los allegados de la enferma) Prensa méd. argent., 1930-31, 17: 673-80.—**Charrier, A., & Dubourg, G.** Splénectomie pour icteré hémolytique congénital. Bull. Soc. nat. chir., Par., 1930, 56: 298-302.—**Corsonello, P.** Contributo alla conoscenza dell'ittero emolitico congenito. Rinasce med., 1926, 3: 188-90.—**Courty, L., & Bernard, A.** Splénectomie pour icteré hémolytique congénital. Bull. Soc. nat. chir., Par., 1929, 55: 1211-6.—**Dameshek, W.** Congenital hemolytic anemia or jaundice. In *Cyclop. Med.* (Piersol-Bortz) Phila., 1939, 2: 751-3.—**Deitrick, J. E.** The association of congenital hemolytic icterus and gout. Internat. Clin., 1940, n. ser. (3) 3: 264-77.—**Diamond, L. K.** Congenital hemolytic anemia in infancy and childhood. Med. Clin. N. America, 1937, 21: 401-15.—**Eiss, S., & Birnbaum, G. L.** Congenital hemolytic anemia; splenectomy in a case simulating cholecystitis. Rev. Gastroenter., 1942, 9: 359-61.—**Foti, A.** Clinical consideration of splenic enlargement; unusual case of congenital hemolytic jaundice. Med. Rec., N. Y., 1937, 145: 60-3.—**Gaudier, H., & Gernez, C.** Un cas d'ictère hémolytique congénital traité et guéri par la splénectomie. Bull. Soc. nat. chir., Par., 1929, 55: 374-6.—**Gherardini, G.** Sopra un caso di ittero emolitico primitivo. Pensiero med., 1926, 15: 419-27.—**Gregory, H. C.** Congenital anemia with jaundice. Proc. R. Soc. M., Lond., 1927-28, 21: sect. stud. dis. child., 92.—**Haden, R. L.** The mechanism of the increased fragility of the erythrocytes in congenital hemolytic jaundice. Tr. Ass. Am. Physicians, 1934, 49: 308-17. Also Am. J. M. Sc., 1934, 188: 441-9.—**Hamant, & Caussade.** Résultats de la splénectomie dans un cas d'ictère hémolytique congénital. Rev. méd. est, 1935, 63: 504-9.—**Houcke, E.** Examen histologique de la rate dans un cas d'ictère hémolytique congénital; répartition de l'hémoglobine. C. rend. Soc. biol., 1929, 100: 660-2.—**Hurley, A. G., & Moore, W. C.** Congenital hemolytic jaundice; report of a case with normal fragility and normal reticulocyte count, cured by splenectomy. Ann. Surg., 1940, 112: 392-9.—**Kagan, F. S.** [A case of congenital hemolytic jaundice] Vrach. gaz., 1926, 30: 148-50.—**Kleinschmidt, H.** Zur Klinik der kongenitalen haemolytischen Anämie (des sog. haemolytischen Ikterus) Jahrb. Kinderh., 1916, 84: Orig., 259-78.—**Leger, L. H., & Orr, T. G.** Chronic leg ulcerations in congenital hemolytic jaundice. South. M. J., 1940, 33: 463.—**Lemierre, A.** Sur un cas d'ictère hémolytique congénital. Progr. méd., Par., 1938, 967-75.—**Lenègre, J., Lévy-Coblentz, G., & Lubas, F.** Ulcères chroniques des pieds au cours d'un icteré hémolytique congénital avec très grosse rate. Bull. Soc. méd. hôp. Paris, 1938, 3. ser., 54: 815-27.—**Lippman, E. S.** Congenital hemolytic jaundice with hemolytic crises in children. J. Lancet, 1942, 62: 188-90.—**López Fernández, F., & Bidot Peralta, C.** Sobre un caso de icteró hemolítico congénito. Arch. med. int., Habana, 1940, 6: 132-6.—**Mandelbaum, H.** Congenital hemolytic jaundice; report of a case of congenital hemolytic jaundice; initial hemolytic crisis occurring at the age of 75; splenectomy followed by recovery. Ann. Int. M., 1939-40, 13: 872-83.—**Masters, J. M., Zerfas, L. G., & Mettel, H. B.** Congenital hemolytic icterus; treatment with splenectomy; reports of 2 cases. Am. J. Dis. Child., 1929, 37: 1254-9.—**Mattioli, M.** Su di un caso di cirrosi epatica con ittero emolitico congenito. Riforma med., 1937, 53: 851-4.—**Meijers, F. M.** [An atypical case of chronic, congenital, haemolytic jaundice] Ned. tscr. geneesk., 1926, 70: 1786-8.—**Meyer, K.** Myeloische Reaktion bei einem Kinde mit kongenitaler hämolytischer Anämie. Mschr. Kinderh., 1925, 30: 46-51.—**Muniagurria, C.** Las ictericias hemolíticas congénitas. Rev. méd. Rosario, 1931, 21: 270-7.—**Nordland, M.** Congenital hemolytic anemia with splenectomy. Minnesota M., 1940, 23: 378.—**Pallasse & Cluzet, G.** Ictère hémolytique congénital. Lyon méd., 1927, 140: 269-71.—**Pérez, M. L., & Brachetto Brian, D.** Ictericia hemolítica esplenomegálica congénita de recién nacido. Bol. Soc. obst. gin. B. Aires, 1931, 10: 262-71. Also Sem. méd., B. Air., 1931, 38: pt 2, 1155-60.—**Poplavsky, V. Z.** [Clinical aspect of congenital hemolytic jaundice in children] Pediatria, Moskva, 1937, No. 6, 99-102.—**Rambert, P.** Les données nouvelles sur l'ictère hémolytique congénital. Avenir méd., Par., 1939, 36: 41-4.—**Saito, Y.** Etiology of congenital hemolytic jaundice. J. Orient. M., Dairen, 1935, 23: 30.—**Salvat y Espasa, M.** Comentarios sobre un caso de ictericia congénita letal. Arch. españ. pediat., 1929, 13: 520-8.—**Schiff, E.** Congenital haemolytic anemia with normal fragility of the red blood cells. Arch. Dis. Childh., Lond., 1938, 13: 264-8.—**Schmitz, H. L., & Anday, G. J.** Congenital hemolytic anemias. Med. Clin. N. America, 1942, 26: 219-26.—**Smirnov, V. N., & Taktarova, V. I.** [Clinical aspect of congenital forms of hemolytic jaundice] Kazan. med. J., 1939, 35: No. 7, 84-8.—**Struthers, R. R.** A case of hemolytic jaundice in the newborn. Canad. M. Ass. J., 1926, 16: 1221-3. Also Tr. Canad. Soc. Stud. Dis. Child. 1926, 4: 153-7.—**Tallaferro, F.** Ictericia hemolítica congénita y gestación. Bol. Soc. obst. gin. B. Aires, 1933, 12: 667-73.—**Taylor, E. S.** Chronic ulcer of the leg associated with congenital hemolytic jaundice. J. Am. M. Ass., 1939, 112: 1574-6.—**Ulrich, V.** [Congenital hemolytic icterus] Cas. lék. česk., 1927, 66: 1471-8.—**Warfield, L. M.** Congenital hemolytic jaundice. Wisconsin M. J., 1931, 30: 895-9.—**Weber, F. P.** Congenital acholuric jaundice without anaemia, splenomegaly, or fragility of red corpuscles. Proc. R. Soc. M., Lond., 1937-38, 31: 555.—**Zahn, K. A.** Zur Kenntnis der kongenitalen hämolytischen Anämie. Mschr. Kinderh., 1922, 23: 589-93.—**Zappa, P.** Su di un caso di ittero emolitico congenito. Pediatria (Riv.) 1929, 37: 967-1012.
- neonatal, infectious.
- See also Sepsis; Syphilis, congenital; Umbilicus, Infection, etc.
- Frcus, H.** *Ueber Icterus neonatorum gravis mit besonderer Berücksichtigung des Icterus neonatorum gravis infectiosus [Zürich] 18p. 8°. Basel, 1933.
- Also Schweiz. med. Wschr., 63: 1129-34.
- LACHENY, J. A.** *Ictère grave congénital du nouveau-né par infection colibacillaire transplantaire. 65p. 8°. Par., 1935.
- RABBE, P.** *Contribution à l'étude de l'ictère catarrhal du nourrisson. 48p. 8°. Par., 1935.
- Biemond, A.** [Kernicterus in septic icterus neonatorum] Ned. tscr. geneesk., 1936, 80: 1029-32. — **Van Creveld, S.** Nuclear jaundice in neonatal (unbilical) sepsis with jaundice. Arch. Dis. Childh., Lond., 1937, 12: 173-81.—**Cathala, J., & Ortholan, J.** Ictère infectieux chez un bébé de 25 jours. Bull. Soc. pédiat. Paris, 1939, 37: 409-11.—**Jonescu, V., & Slobozianu, H.** [Grave infectious jaundice with erythroblastosis and leucemoid reaction in the new-born] Rev. st. med., Bucur., 1940, 29: 504-15.—**Lightwood, R., & Colver, T.** A boy exhibiting nervous symptoms ascribed to kernicterus with septic neonatal jaundice as cause. Proc. R. Soc. M., Lond., 1937-38, 31: 559.—**Piaggio Garzón, W.** Sobre un caso de ictericia toxi-infecciosa aguda en un lactante. Arch. lat. amer. pediat., B. Air., 1928, 3. ser., 22: 145-53. Also Nipologia, Nap., 1928, 14: 32-8. Also Med. niños, 1928, 29: 8-15.—**Ravina, J.** Ictère grave congénital par infection colibacillaire transplacentaire. Bull. Soc. obst. gyn. Paris, 1935, 24: 134-6. Also Nourrisson, 1936, 24: 227-9.
- neonatal, mechanical.
- See also Bile-ducts, Abnormalities.
- GILLON, J. J. E. J.** *Des malformations congénitales des voies biliaires avec icteré chez les nourrissons [Paris] 103p. 8°. Macon, 1935.
- Carrié, M. J. del, Monserrat, J. L., & Giustinian, V.** Malformación de vias biliares extrahepáticas; ictericia generalizada, por retención. Arch. argent. pediat., 1937, 8: 348-54.—**Castillo, C. E.** Ictericas del recién-nacido; malformación congénita de las vias biliares. Rev. Soc. med. quir. Zulia, 1940, 14: 1115-21.—**Kass, I. H., & Osrood, F. P.** Congenital obstructive jaundice. J. Pediat., S. Louis, 1936, 9: 91-5.—**Marquézy, R. A., Rambert, P., & Gauthier-Villars.** Ictère congénital par malformation des voies biliaires. Bull. Soc. pédiat. Paris, 1938, 36: 485-8.
- neonatal: Pathogenesis.
- GUILMAUD, A.** *L'ictère des nouveau-nés: étude physique du sang du cordon. 83p. 8°. Par., 1927.
- Adler, K.** Blutzerfall unter der Geburt und in den ersten Lebenstagen (Beitrag zur Pathogenese des Icterus neonatorum) Arch. Gyn., Berl., 1930-31, 144: 586-90. [Discussion] 601. — **Adler, M.** Der Eisengehalt der Leber bei Föten und Neugeborenen (Beitrag zur Pathogenese des Icterus neonatorum) Zscr. Geburtsh. Gyn., 1931, 101: 128-42.—**Albers, H.** Zur Ursache des Icterus neonatorum. Arch. Gyn., Berl., 1941-42, 172: 110-9 (microfilm).—**Anselmino, K. J., & Hoffmann, F.** Die Ursachen des Icterus neonatorum. Ibid., 1930-31, 143: 477-99. Also Klin. Wschr., 1931, 10: 97-100. — Die Entstehung des Icterus neonatorum. Münch. med. Wschr., 1932, 79: 1226.—**Barakovskaia-Dudanova, A. G.** [Origin of icterus neonatorum] J. akush., 1924, 35: No. 4, 515-9.—**Belohradsky, H.** Ein Fall von spontaner Leberruptur bei einem Neugeborenen und ein Beitrag zur Aetiologie des Icterus neonatorum. Zbl. Gyn., 1937, 61: 2430-6.—**Boisserie-Lacroix & Péry, G.** Ictère du nouveau-né et intolérance d'embryon au lait de vache. Gaz. méd. France '931, 140-3.—**Borgard, W., & Hoffmann, F.** Ueber das Verhalten von neugeborenen Tieren bei Sauerstoffmangel (Beitrag zur Entstehung des Icterus neonatorum) Arch. Gyn., Berl., 1939, 168: 873-6.—**Cordeiro Ferreira.** Algumas considerações sobre a patogenia da ictericia fisiologica do recém-nascido. Lisboa méd., 1933, 10: 534-66.—**Dondi, G., & Spoto, P.** Studio sistematico della bilirubinemia nel neonato e nella madre in riferimento all'ittero fisiologico. Osp. maggiore, Novara, 1937, 14: 273-314.—**Esch, P.** Zur Genese des Icterus neonatorum. Zbl. Gyn., 1941, 65: 574-7.—**Franklin, M.** Clinical observations on the etiology of icterus neonatorum. Am. J. Obst., 1931, 22: 913-6.—**Fujimori, H.** Study of icterus neonatorum. Jap. J. Obst., 1934, 17: 95; 235.—**Goldbloom, A., & Gottlieb, R.** Studies on icterus neonatorum; the production of icterus in animals following prolonged anoxaemia. J. Clin. Invest., 1930, 8: 375-88. — The nature of icterus neonatorum. N. York State J. M., 1930, 30: 1219-22. — Icterus neonatorum; the oxygen capacity and saturation of the mother and foetus. J. Clin. Invest., 1930, 9: 139-42.—**Gottlieb, R., & Kearns, P. J.** Icterus neonatorum; the rôle of the placenta in

visible icterus neonatorum. *Ibid.*, 1931, 10: 319-22.—Greil, A. Die Verursachung des Icterus neonatorum. *Zschr. Geburtsh. Gyn.*, 1936, 113: 298-305.—Grob, M. Ueber die Beziehungen der Isoagglutination zum Icterus neonatorum. *Zschr. Kinderh.*, 1930-31, 50: 726-41.—Haselhorst, G., & Stromberger, K. Die Ursachen des Icterus neonatorum. *Arch. Gyn.*, Berl., 1931, 147: 65-8.—Herold, L. Ueber die vermehrte Porphyrin-ausscheidung des Neugeborenen, zugleich ein neuer Beweis für die hämatogene Theorie des Icterus neonatorum. *Ibid.*, 1934, 158: 213-5.—Hoffmann, F., & Anselmino, K. J. Ueber die Bedeutung der Durchlässigkeit der Hautcapillaren für das Zustandekommen des Icterus neonatorum. *Ibid.*, 1930-31, 143: 500-4.—Horváth, Z. [Rôle of residual blood in etiology of icterus neonatorum] *Orv. hetil.*, 1934, 78: 243.—Jacoby, H. Icterus neonatorum und die Frage anhepatischer Icterus-entstehung. *Klin. Wschr.*, 1929, 8: 1611-3.—Keilina, S. S. [Jaundice of the new-born from the view-point of isohemagglutination] *Akush. gin.*, 1941, No. 6, 23.—Lange, C. de. Angeborener Icterus bei normal gebildeten Gallenwegen. *Jahrb. Kinderh.*, 1926, 3. F., 64: 15-30.—Lénárt, G., & Biró, S. Die Isoagglutination bei den Neugeborenen und ihre Beziehungen zum Icterus neonatorum. *Ibid.*, 1929, 3. F., 74: 77-87.—Lereboullet, P. L'ictère physiologique du nouveau-né; son interprétation actuelle. *J. méd. fr.*, 1930, 19: 341-3.—Marabotto, F. Contributo alla patogenesi dell'ittero dei neonati. *Fol. gyn.*, Pavia, 1927, 24: 49-79.—Mitchell, J. McK. The role of hemolysis in jaundice of the new-born infant. *Am. J. Dis. Child.*, 1928, 36: 486-501.—Mühlbock, O. Studien über den Cholesterinstoffwechsel beim Neugeborenen (zugleich ein Beitrag zur Frage des Icterus neonatorum) *Arch. Gyn.*, Berl., 1935-36, 160: 1-16. — Zur Frage der Genese des Icterus neonatorum (über den Cholesterinstoffwechsel des Neugeborenen) *M Schr. Geburtsh. Gyn.*, 1935-36, 101: 294-8. — Zur Genese des Icterus neonatorum (über den Cholesterinstoffwechsel des Neugeborenen) *Arch. Gyn.*, Berl., 1936, 161: 259-62. [Discussion] 262-7. Also *Zbl. Gyn.*, 1936, 60: 146.—Ortloph, W. Der Icterus neonatorum ein Ausdruck des Abschlusses von Reifungserscheinungen bei der Frucht. *Zschr. Kinderh.*, 1930-31, 50: 657-61.—Pedrinoni, G. Contributo alla patogenesi dell'ittero dei neonati. *Riv. clin. pediat.*, 1930, 28: 758-75.—Sander, E. Beziehungen zwischen Icterus neonatorum und Wasserhaushalt. *Zschr. Kinderh.*, 1927, 43: 434-6.—Schick, B., Weiner, S. B., & Reiner, M. Icterus index of cord blood; the genesis of icterus neonatorum. *Am. J. Dis. Child.*, 1942, 64: 655-60.—Schultz, W. G. Zur Pathogenese des Icterus neonatorum. *Zschr. Geburtsh. Gyn.*, 1928-29, 94: 793-808, pl.—Smith, C. H. Icterus neonatorum, its relation to the compatibility of blood groups between mother and new-born. *Am. J. Dis. Child.*, 1928, 36: 70-7.—Squarcetta, R. M. A. L'ittero dei neonati e la sua genesi. *Lattante*, 1940, 11: 205-7.—Trettenner, M. Sulla patogenesi dell'ittero dei neonati. *Riv. ital. gin.*, 1937, 20: 257-75.—Vahlgvist, B. [The problem of hemolysis in icterus neonatorum] *Nord. med.*, 1940, 7: 1516-21.—Volhard, E. Ueber die Entstehung des Icterus der Neugeborenen. *Klin. Wschr.*, 1930, 9: 1433.—Wakabayasi, H. Ueber das Wesen des Icterus neonatorum. *Tr. Jap. Path. Soc.*, 1931, 21: 33.

neonatal: Pathology.

MATTHAES, G. *Ueber die osmotische Widerstandsfähigkeit der Erythrocyten beim normalen und ikterischen Neugeborenen (Auszug.) 7p. 8° Lpz., 1925.

Debler, K. Ein sporadischer Fall einer hochgradigen Anämie beim Neugeborenen nach vorausgehendem schweren Icterus. *Zschr. Kinderh.*, 1937, 59: 198-207.—Dondi, G., & Spoto, P. La resistenza osmotica del sangue della donna in travaglio e del neonato alla nascita e nella prima settimana di vita, studiata in riferimento all'ittero fisiologico. *Ginecologia*, Tor., 1936, 2: 1-88.—Dordi, A. M., & Rossi, G. Il ricambio emoglobinico nei neonati con ittero fisiologico. *Lattante*, 1937, 8: 415-21.—Fujimori, H. Study of icterus neonatorum; change of blood figure in the new-born's jaundice, especially the relation to the rise and fall of quantity. *Jap. J. Obst.*, 1933, 16: 258-66.—Noguchi, M. On the appearance of the reticulated cells in the new born; in addition on the relationship to the icterus neonatorum. *Ibid.*, 1936, 19: 78-82.—Gallerani, U. Il numero dei globuli rossi e le resistenze globulari nei primi giorni di vita con particolare riguardo all'ittero dei neonati. *Lattante*, 1938, 9: 488; 529.—Guilmard, A. Examen physique du sang du cordon; pour servir à l'étude de l'ictère des nouveau-nés. *Sang. Par.*, 1927, 1: 427-36.—Hollósi, K., & Horváth, Z. [Jaundice and hemoglobin index in newborn] *Orv. hetil.*, 1933, 77: 1092. — Hemoglobin index and jaundice of the new-born. *Am. J. Dis. Child.*, 1935, 49: 638-41.—Lin, H., & Eastman, N. J. The behavior of intravenously injected bilirubin in newborn infants. *Am. J. Obst.*, 1937, 33: 317-24.—Maden, V., & Iona, G. Ricerche ematologiche nell'ittero dei neonati. *Lattante*, 1935, 6: 462-8.—Malossi, C. Reazioni ematiche anomale nel corso di alcuni itteri del neonato. *Ibid.*, 1938, 9: 143-70.—Martin, L. C., & Evans, S. M. Blood counts of new-born infants in relation to icterus neonatorum. *Arch. Dis. Childh.*, Lond., 1935, 10: 355-62.—Martinet, R. L'ictère du nouveau-né et les groupes sanguins. *Gyn. obst.*, Par., 1937, 35: 365-8.—Mitchell, J. McK. Relationship of jaundice and weight to blood values in the new-born infant. *Am. J. Dis. Child.*, 1929, 38: 518-25.—Rasi, F., & Bianchi, M. Il ricambio emoglobinico nell'ittero dei neonati. *Arch. ital. pediat.*, 1936-

37, 5: 533-69.—Ross, S. G., Waugh, T. R., & Malloy, H. T. Metabolism and excretion of bile pigment in icterus neonatorum. *Am. J. Dis. Child.*, 1936, 52: 1275. Also *J. Pediat.*, S. Louis, 1937, 11: 397-408.—Segura, G. Hechos que se derivan del estudio biológico en la ictericia del recién nacido. *Rev. mex. puericult.*, 1935, 5: 966-70.—Varela Fuentes, B. El síndrome ictericia, en el lactante; elementos para el diagnóstico etiológico, interés de la bilirrubinemia. *Arch. pediat. Uruguay*, 1939, 10: 261-76. — Canzani, R., & Graña, A. La bilirrubinemia en las ictericias del lactante. *Ibid.*, 389-95.—Waugh, T. R., Merchant, F. T., & Maughan, G. B. Blood studies on the new-born; direct and total blood bilirubin; determinations over a 9-day period, with special reference to icterus neonatorum. *Am. J. M. Sc.*, 1940, 199: 9-23.

neonatal, simple physiologic.

See also Erythroderma.

DEMMEI, F. *Neues zur Vererbungstheorie des Icterus neonatorum [München] 40p. 8° Regensb. [1936]

HAVRET, H. *L'ictère physiologique du nouveau-né. 68p. 8° Par., 1930.

HUHS, E. *Die Intrakutanreaktion mit Ferrizyankali bei Icterus neonatorum [Halle-Wittenberg] 12p. 8° Berl., 1932.

Also *M Schr. Geburtsh. Gyn.*, 91:

LUDWIG, O. [H.] *Untersuchungen über Blutbild, Ery-Resistenz, Senkungsgeschwindigkeit, Polychromasie und Icterus beim Neugeborenen mit besonderer Berücksichtigung der frühgeborenen und übertragenden Kinder. 24p. 8° Freib. i. B., 1930.

MARCUS, A. *Les icteres du nouveau-né. 42p. 8° Par., 1935.

Aschoff, L., & Hummel, R. Beitrag zur Frage des Icterus neonatorum. *Virchows Arch.*, 1930, 275: 1-12.—Bernheim-Karrer, J. Ueber Icterus beim Neugeborenen. *Schweiz. med. Wschr.*, 1928, 58: 1125-9.—Bertrand, J. C., & Royer, M. La ictericia simple del recién nacido: investigaciones sobre los pigmentos de recién nacidos con y sin ictericia. *Sem. méd.*, B. Air., 1929, 36: 247-58.—Brühl, R. Der Icterus neonatorum. *Ber. ges. Gyn.*, 1934, 27: 225-38.—Carrera Portela, J. La reacción de V. Brugsen en el icterus neonatorum. *Arch. españ. pediat.*, 1933, 17: 337-50.—Cifuentes, A. La ictericia fisiológica de los recién nacidos. *Tr. Panamer. M. Congr.* (1931) 1933, 3. Congr., 521-30.—Deluca, F. A. ¿Debe ser lavado el recién nacido? contribución al estudio de la ictericia neonatorum. *Rev. méd. lat. amer.*, B. Air., 1927, 12: 70-2. — A propósito de la ictericia del recién nacido (contribución a su estudio) *Sem. méd.*, B. Air., 1927, 34: pt. 2, 1200-2.—Düntzer, E. Hat die Vernix caseosa Bedeutung für die Verhütung des Neugeborenenikterus? *Zbl. Gyn.*, 1928, 52: 2943.—Garrido-Lestache, J. Ictericia en los recién nacidos. *Pediat. españ.*, 1928, 17: 430-45.—Gordon, M. B., & Kemelhor, M. C. Icterus neonatorum; a study of the icterus index in relation to the fragility, hemoglobin content and number of red blood cells. *J. Pediat.*, S. Louis, 1933, 2: 685-95.—Halte, G. L. L'ictère simple du nouveau-né. *Nourisson*, 1937, 25: 31-36.—Kaufmann, P. Die Behandlung des Icterus der Neugeborenen. *Arch. Kinderh.*, 1926, 78: 193-5.—Kramer, P. H. Icterus neonatorum. *Ned. tscr. geneesk.*, 1926, 70: 918-23. [Researches on icterus neonatorum] *Ibid.*, 249-63.—Lénárt, G. [Treatment of icterus neonatorum] *Orv. hetil.*, 1928, 72: 830-6. — Icterus neonatorum, eine Folge von Isoagglutinationserscheinungen. *Jahrb. Kinderh.*, 1928, 3. F., 71: 134-55.—Lereboullet, P. Comment expliquer l'ictère simple du nouveau-né? *Paris méd.*, 1928, 69: 384-8. — Gournay, J. J., & Detroids. Recherches sur le sang et les urines dans l'ictère physiologique du nouveau-né. *Nourisson*, 1931, 19: 356-66.—Muniagurria, C. Patogenia de la eritrodermia icterogena. *Actas Congr. nac. med.*, B. Air. (1931) 1932, 4. Congr., 4: 28-36.—Péhu, M., Noel, R., & Brochier, A. Le traitement de l'ictère du nouveau-né. *Méd. inf.*, Par., 1937, 44: 231-3.—Rettagliata, P. Ictero fisiologico dei neonati e sua prevenzione col metodo di Keiffer. *Prat. pediat.*, Milano, 1934, 12: 485-506.—Sanmarti Rigol, J. Coloración amarilla fisiológica del recién nacido. *Med. niños*, 1931, 32: 273-8.—Scherbak, A. L. Ist die Gelbsucht der Neugeborenen vermeidbar? zugleich ein Beitrag zur Zwillingsstatistik. *Zbl. Gyn.*, 1936, 60: 1934-8.—Snelling, C. E. Icterus neonatorum. *J. Pediat.*, S. Louis, 1933, 2: 399-413.—Vaglio, R. Considerazioni cliniche sul così detto ittero fisiologico dei neonati. *Lattante*, 1931, 2: 98-100.—Ziegelroth, P. Vermehrung der roten Blutkörperchen im Gebirge und Icterus neonatorum. *Münch. med. Wschr.*, 1926, 73: 1440.

neonatal—in animals.

Koch, W. Ueber das Vorkommen des Icterus neonatorum beim Huhn. *Münch. tierärztl. Wschr.*, 1928, 79: 557.—Metzger, E. Der Icterus neonatorum des Kalbes in vergleichender Hinsicht zu dem des Menschen. *Virchows Arch.*, 1927, 263: 703-18.—Radef, T. Ueber den Haemoglobingehalt

neugeborener Haustiere und Icterus neonatorum. Wien. tierärztl. Mschr., 1934, 21: 518-22.—**Wakabayashi, H.** Ueber das Wesen des Icterus neonatorum; der Icterus neonatorum bei Tieren. Tr. Jap. Path. Soc., 1932, 22: 666-8.

— Nervous system and sensory organs.

See also **Brain, Basal ganglia: Diseases.**

Brown, A. E. Jaundice associated with peripheral neuritis; presentation of a case. Proc. Mayo Clin., 1927, 2: 250.—**Carusi, R.** Ictero con sintomi di sclerosi a placche. Policlinico, 1928, 35: sez. prat., 183-8.—**Coppo, M., & Travia, L.** Ricerca dei sali biliari nel liquor cefalorachidiano degli itterici. Ibid., 1937, 44: sez. med., 321-4.—**De Castro, U.** Blut-Liquorschrauke und Bilirubin bei Icterus. Deut. Arch. klin. Med., 1931, 170: 176-87.—**Glüh, B.** Experimentelle Untersuchungen über Schpurpurbildung bei Icterus am Kaninchen. Zschr. Augenhe., 1928, 64: 69-72.—**Guillain, G., Fiessinger, N. [et al.]** Sur un syndrome caractérisé par l'apparition d'une encéphalite chronique à prédominance lenticulaire au cours d'une cirrhose hépato-splénique ietérigène. Bull. Soc. méd. hôp. Paris, 1938, 3. ser., 54: 1798-810.—**Jaguttis, P.** Der Liquor bei Icterus. Klin. Wschr., 1927, 6: 2143.—**McVicar, C. S.** Jaundice associated with peripheral neuritis. Med. Clin. N. America, 1927-28, 11: 1415-7.—**Mauthner, O.** Ueber das Verhalten des Vestibularis bei Icterus. Mschr. Ohrenhe., 1926, 60: 770-3.—**Monahan, D. T.** Kernicterus; jaundice of the nuclear masses of the brain. Yale J. Biol., 1933, 5: 523-9.—**Napolconi, V.** Ricerche sul senso luminoso centrale e periferico in epato-pazienti con o senza ittero. Arch. ottalm., 1938, 45: 258-94.—**Olivet, A.** Polyneuritis nach Neosalvarsanbehandlung bei syphilitischen Icterus. Deut. Zschr. Neurol., 1931, 123: 288-93.—**Pans, M.** Variazioni cronometriche nell'ittero. Boll. Acad. med. Roma, 1935, 61: 270-2.—**Ravkin, J.** [Psychopathic symptoms in jaundice] Mosk. med. J., 1927, 7: 10, 13-21.—**Rutledge, E. K., & Neuberg, K. T.** Icterus of the adult brain; report of a case. Am. J. Path., 1942, 18: 153-7.—**Saiki, S.** Ueber den Farbstoffübergang in die Cerebrospinalflüssigkeit im Falle von Icterus. Jap. J. Gastroenter., 1935, 7: 682-9.—**Segal, H. L., & Glasser, J.** Cerebrospinal and ocular fluids in experimental jaundice in dogs. Arch. Path., Chic., 1930, 9: 1038-43.

— obstructive.

See **Icterus, mechanical.**

— occupational.

LONDON. ROYAL SOCIETY OF MEDICINE. The origin, symptoms, pathology, treatment, and prophylaxis of toxic jaundice observed in munitions workers. 106p. 8° Lond., 1917.

Fairley, N. H. Jaundice in sewer workers. Tr. R. Soc. Trop. M. Hyg., Lond., 1935-36, 29: 355.—**McKeon, J. A., & Brown, H. C.** An unusual case of jaundice in a miner. Brit. M. J., 1936, 2: 174.—**Tecoz, H.** Diagnostic des hépatites professionnelles. Praxis, Bern, 1942, 31: 117.

— paratherapeutic.

See also **Icterus subheadings (hepatic, toxic; toxic)** also under names of pharmaceutical compounds.

FILLIOL, L. *Contribution à l'étude des icteres paratherapeutiques. 124p. 8° Par., 1929.

LEDUR, J. *Les icteres graves de la sérothérapie. 97p. 25cm. Lyon, 1938.

Bayar, W. Icterus nach Transfusion bei einem an Pyurie erkrankten Säugling. Deut. med. Wschr., 1924, 50: 612.—**Bénard, R., & Tassin, M.** Un cas de mort par ictere grave après injection de dérivé acridinique; les accidents graves et mortels consécutifs à l'emploi de la trypanlavine. Bull. Soc. méd. hôp. Paris, 1930, 3. ser., 46: 1804-14.—**Caroli, J.** Ictère grave sérique; atrophie grise aiguë du foie; biopsie hépatique; cholestase. Ibid., 1938, 3. ser., 54: 191-203.—**Cicchito, A. M.** L'ittero arsenolenzolico; genesi e terapia. Gior. ital. mal. esot., 1935, 8: 83-90.—**Davidov, A. V.** [Clinical aspect of syphilitic and salvarsan jaundice] Klin. med., Moskva, 1941, 19: No. 5, 96-103.—**Findlay, G. M., & MacCallum, F. O.** Hepatitis and jaundice associated with immunization against certain virus diseases. Proc. R. Soc. M., Lond., 1937-38, 31: 799-806.—**Lane, C. G.** Jaundice occurring during the treatment of syphilis. Arch. Derm. Syph., Chic., 1939, 39: 278-93.—**Manai, A.** Ictero da plasmochina. Policlinico, 1929, 36: sez. prat., 1215-7.—**Miljan, G.** Ictère parathérapeutique traité par le 914. Bull. Soc. fr. derm. syph., 1933, 40: 1406-9.—**Miljan, G.** Ictère au cours d'un traitement par les sels d'or. Rev. fr. derm. vénér., 1936, 12: 345-51.—**Motzfeldt, K.** Atophan and toxic jaundice. Norsk mag. lægevid., 1929, 90: 283-91.—**Nagaoka, M., Sakimoto, T., & Tubouti, G.** Ein durch starke haemorrhagische Diathese komplizierter Icterusfall, der nach Salvarsanbehandlung auftrat. Acta med. nagasaki., 1939, 1: Suppl., 53.—**Photinos, P.** Un cas d'ictère post-thérapeutique (ictère syphilitique) Rev. fr. derm. vénér., 1933, 9: 598-603.—**Ravaut, P.** A propos de la pathogénie et du traitement des icteres para-arsénicaux. Bull. Soc. fr.

derm. syph., 1928, 35: 818-29.—**Ruge, H.** Beobachtungen an 2058 Fällen von einfacher und Salvarsanergelsucht. Aerztl. Mschr., 1928, 241-44.—**Ictericia después del salvarsán.** Rev. méd. germ. ibér. amer., 1930, 3: 52-4.—**Schwertner, R.** [Properties of jaundice due to salvarsan (arsphenamine preparation)] Gyógyászat, 1930, 70: 381.—**Sézary, A.** A propos de la pathogénie et du traitement des icteres para-arsénicaux. Bull. Soc. fr. derm. syph., 1928, 35: 883-92.—**Willcox, W.** Toxic jaundice and anti-syphilitic treatment. Brit. J. Vener. Dis., 1933, 9: 65; 76.

— Pathogenesis.

Abeloff, A. J., & Hummel, R. Beobachtungen an der Fiste des Ductus thoracicus; Versuche zur Klärung der Icterus-genese. Beitr. path. Anat., 1929-30, 83: 319-32.—**Alsina, F. R.** Patogenia de las icterias por reabsorción. Rev. As. méd. argent., 1935, 49: 647-55.—**Arredondo.** Patogenia de la ictericia. Arch. med., Madr., 1936, 39: 17.—**Aschoff, F.** Zur Frage des anhepatocellulären Icterus. Klin. Wschr., 1926, 5: 482.—**Brugsch.** Ueber meine neue Icterustheorie. Deut. med. Wschr., 1930, 56: 48.—**Butmer, E.** Modern views on jaundice. Birmingham M. Rev., 1931, 6: 258-67.—**Capella, F.** Ricerche sull'ittero sperimentale. Boll. Soc. ital. biol. sper., 1928, 3: 857-9. Also Boll. Soc. med. chir., Pavia, 1928, No. 6, 1215-8.—**Criado, C.** Patogenia de las icterias. Rev. españ. med. cir., 1929, 12: 146-50.—**D'Amore, S.** Contributo sperimentale alla genesi extrapatetica dell'ittero. Gazz. osp., 1932, 53: 131-5.—**Diebold, O.** Zur Pathogenese des Icterus. Zschr. ärztl. Fortbild., 1930, 27: 545-52.—**Dreyfus, C.** Nouveaux points de vue sur les icteres. Paris méd., 1929, 73: 135-8.—**Elton, N. W.** The mechanism of jaundice: a working hypothesis. Am. J. Clin. Path., 1935, 5: 40-54.—**The pathologic physiology of icterus; the mechanism of jaundice.** Rev. Gastroenter., 1936, 3: 35-42.—**Fanelli, Z. F.** Cecchi e nuovo in tema d'ittrizia. Morgagni, 1926, 68: 1219-30.—**Fiesinger, N.** Les icteres rétentionnels. Rev. gén. clin. théor., 1935, 52: 145-50.—**Heyd, C. G., & Killian, J. A.** Pathogenesis of jaundice. Tr. Am. Gas. center, Ass. (1926) 1927, 29: 165-88.—**Klemperer, P.** Pathogenesis of jaundice. Surg. Gyn. Obst., 1927, 44: 489-500.—**Hollös, L.** Untersuchungen und kritische Bemerkungen über die neue Icterustheorie von Brugsch. Deut. med. Wschr., 1929, 55: 1968.—**Jaundice, prothrombin deficiency, and vitamin K.** Calcutta M. J., 1940, 37: 603-5.—**Kálló, A.** Weitere Beiträge zur Icterusforschung. Beitr. path. Anat., 1926, 75: 420-50.—**Duburszky, V.** [Experimental icterus] Orv. hetil., 1928, 72: 1556-60.—**Kerpola, V.** Ueber die klinischen Kennzeichen und das Auftreten des Icterus und seiner verschiedenen Formen. Karlsbad. ärztl. Vortr. (1937) 1939, 16: 68-88.—**Kup, J. von.** Ueber den Zusammenhang von Nebennierenrinde, Bluterbereitschaft und Gelbsucht. Frankf. Zschr. Path., 1939, 53: 331-40.—**Landau, A., & Fejgin, M.** Icteric states; their pathogenesis and mechanism. In: Prace klin. Oddz. chor. wewn. Szpit. Wolski, Warsz., 1932, 346-60.—**Landau, A., & Held, J.** Contribution à l'étude de l'ictère. Ann. méd., Par., 1926, 19: 264-79. Also In Prace klin. Oddz. chor. wewn. Szpit. Wolski, Warsz., 1932, 1027-39.—**Loeper, & Cottet, J.** Les icteres aigus par rétention. Gaz. hôp., 1936, 109: 1253-8.—**Meulengracht, E.** La pathogénie de l'ictère et le diagnostic fonctionnel du foie. Acta med. scand., 1926, Suppl. 16, 19-34 [Discussion] 60-6.—**Monod, R. C.** Ictères par rétention. Bull. méd., Par., 1936, 50: 443.—**Munn, F. C., & Bollman, J. L.** Jaundice: a review of some experimental investigations. J. Am. M. Ass., 1935, 104: 371-4.—**Ohno, Y.** Zur Frage der Pathogenese des Icterus. Med. Klin., Berl., 1927, 23: 1639; 1685.—**Experimentelle Studien über die Icterusgenese.** Tr. Jap. Path. Soc., 1931, 21: 2-35. Also Münch. med. Wschr., 1931, 78: 1639-42.—**Ohne Leberstörung kein Icterus.** Fukuoka acta med., 1938, 31: 39.—**Palmer, W. L., Parmelee, A. H. [et al.]** Symposium on jaundice. Bull. Chicago M. Soc., 1941-42, 44: 33-40.—**Poupart, C.** Cas d'ictère par rétention. J. Hôtel Dieu Montréal, 1941, 10: 417-24.—**Rich, A. R.** The pathogenesis of the forus of jaundice. Bull. Johns Hopkins Hosp., 1930, 47: 338-77.—**Satke, O.** Ein Beitrag zur Pathogenese des Icterus. Zschr. klin. Med., 1930, 114: 490-6.—**Zur Pathogenese, Differentialdiagnose und Therapie des Icterus.** Wien. med. Wschr., 1933, 83: 1172-5.—**Scheel, O.** Sur la pathogénèse de l'ictère et le diagnostic fonctionnel du foie. Acta med. scand., 1926, Suppl. 16, 52-66.—**Simon, S. D., Levin, T., & Sommer, S.** Symposium on jaundice. J. Med., Cin., 1941-42, 22: 26-8.—**Simpson, V. E.** Jaundice; a consideration of the phenomenon from clinical and biochemical viewpoints. West Virginia M. J., 1935, 31: 389-401.—**Solgiu, G.** Parenchima epatico e vie biliari nella genesi dell'ittero. Clinica, Bologna, 1936, 2: 432-58.—**Tillgren, J.** La pathogénie de l'ictère et l'exploration fonctionnelle du foie. Acta med. scand., 1926, Suppl. 16, 35-51 [Discussion] 60-6. Also Sven. läk. säll. hand., 1926, 52: 1-11.—**Tunoo, S.** Pathogenese des Icterus. Jap. J. M. Sc., 1936, 4: Proc. Int. Med., 35-50.—**Asai, S. [et al.]** Experimentelle Untersuchungen über die Pathogenese des Icterus. Ibid., 384-6.—**Untersuchungen über die Pathogenese des Icterus.** Ibid., 1938-39, 5: Proc. Int. Med., 49; 189

— Pathology.

Althot, G. Recherches expérimentales sur les lésions histologiques de l'ictère. Ann. anat. path., Par., 1933, 10: 934.—**Garnier, M.** Y a-t-il une lésion de l'ictère? Presse méd.,

1932, 40: 97.—**Horsters, H.** Störungen des Kreislaufes der Galle (Pathologie des entero-hepatischen Zirkels). *Klin. Fortbild.*, 1937, 5: 432-51. — **Ueber den Eisengehalt der Organe beim Ikterus.** *Arch. exp. Path., Lpz.*, 1930, 152: 198-209.—**Hülse, W.** Zur Frage des histochemischen Eisennachweises in der Haut beim Ikterus. *Deut. med. Wschr.*, 1929, 55: 1967.—**Jewsbury, R. C.** Pathological specimen from a case of jaundice. *Proc. R. Soc. M., Lond.*, 1937-38, 31: 75. Also *Brit. J. Child. Dis.*, 1941, 38: 130.—**Kanner, O.** Des cellules de Kupffer dans les différents icères. *C. rend. Soc. biol.*, 1926, 95: 1311.—**Klemperer, P.** Pathology of icterus. *N. York State J. M.*, 1933, 33: 1309-17.—**Kurose, I., & Hasi moto, M.** Ueber die Gitterfasern der Leber bei dem experimentellen Ikterus. *Tr. Jap. Path. Soc.*, 1926, 16: 9.—**McNamara, F. P.** Four cases of progressive jaundice with necropsy studies. *J. Iowa M. Soc.*, 1931, 21: 180-6.—**Rosenthal, F.** Die Bedeutung des Elastins beim Ikterus. *Klin. Wschr.*, 1930, 9: 1909-13.—**Sherman, I.** Observations on reticulo-endothelial cells in septic jaundice. *Arch. Path., Chic.*, 1929, 7: 78-83.—**Stewart-Wallace, A. M.** Splenomegaly with jaundice. *Brit. J. Child. Dis.*, 1939, 36: 130.—**Yamanaka, S.** Das retikulo-endotheliale System und der Ikterus; über den Einfluss der Tuschspeicherung auf die Entwicklung des experimentellen Ikterus. *Taiwan igakkai zassi*, 1928, 70.

Pharmacology.

SAUERBRUCH, F. *Versuche über die Einwirkung von Ascorbinsäure auf Gallenfarbstoff bei experimentellem Ikterus und in vitro [München] 23p. 21cm. Görlitz, 1937.

Alexandrov, V. A., & Pavlov, D. I. [Contents of bilirubin and cholesterol in the blood, during the treatment in Spr (Essentuki) for jaundice]. *Russ. klin.*, 1928, 10: 519-37.—**Cantarow, A., Dodek, S. M., & Gordon, B.** Calcium studies in jaundice; with special reference to the effect of parathyroid extract of the distribution of calcium. *Arch. Int. M.*, 1927, 40: 129-40.—**Dumitresco-Mante, Dulugea, S., & Gontea, I.** L'influence de l'eau de Málnas (source Marie) sur l'épreuve de la galactosurie provoquée au cours des icères à type catarrhal. *Bull. Acad. méd. Roumanie*, 1936, 2: 629-33.—**Enesco, J., & Busila, V.** La diurèse et l'hydrémie chez les malades avec icère toxique ou icère infectieux bénin, après ingestion d'eau et après injection intraveineuse de sérum physiologique. *Ibid.*, 1937, 3: 308-26.—**Fedeles Feindeisen, L.** [Effect of K-vitamin upon blood coagulation in jaundice]. *Orv. hetil.*, 1941, 85: 51.—**Heupke, W.** Quantitativ chemische Untersuchungen über den Einfluss der Alkalien und alkalischen Erden auf die Bildung der Seifen und Kalkseifen im Stuhl der Ikterischen. *Arch. Verdauungskr.*, 1927, 40: 184-96.—**McNealy, R. W.** The effect of viosterol in jaundice. *Surg. Gyn. Obst.*, 1936, 62: 254. — **Shapiro, P. F., & Melnick, P.** The effect of viosterol in jaundice. *Ibid.*, 1933, 60: 785-801.—**Milheiro, E.** Novo principio ativo, de ação anti-ictérica. *Impr. med.*, Rio, 1939, 15: 1079-87.—**Mora, J. M., & Jirka, F. J.** The effect of jaundice on intradermally injected salt solution. *J. Lab. Clin. M.*, 1934-35, 20: 719-22.—**Saiki, S.** Experimental investigation on the fate of bilirubin introduced into the blood vessels; on the excretion of bilirubin from the liver; influence of intravenous injection of glucose; a contribution to the treatment of jaundice. *Jap. J. Gastroenter.*, 1931, 3: 123-6.

Physiopathology.

LABORDE, J. V. *Physiologie pathologique de l'ictère. 96p. 8° Par., 1869.

Ahlberg, G. [On the disappearance of rheumatic pains in jaundice]. *Nord. med.*, 1939, 3: 2430-4.—**Allodi, A.** La secrezione biliare pancreatica intestinale negli itteri. *Riforma med.*, 1935, 51: 1630-3.—**Elton, N. W.** The pathologic physiology of icterus; jaundice in the clinical entities. *Rev. Gastroenter.*, 1936, 3: 132-42.—**Greaves, J. D., & Schmidt, L. A.** The effect of jaundice on the vaginal smear picture and pregnancy of the rat. *Am. J. Obst.*, 1934, 27: 570-5.—**Gualdi, L.** Fisiopatologia degli itteri. *Gior. med. mil.*, 1930, 78: 518-28.—**Hench, V.** Wirkung des Ikterus bei rheumatischen Erkrankungen. *Zschr. Rheumaforsch.*, 1938, 1: 143.—**Hench, P. S.** The effect of jaundice on chronic infectious arthritis and on primary fibrositis. *J. Am. M. Ass.*, 1937, 109: 1396; 1481.—**Najib-Farah, H.** De l'effet de l'ictère dans le rhumatisme et d'autres maladies à la lumière des constatations cliniques, bactériologiques et bilirubiniques, et des recherches expérimentales avec la bilirubine. *Acta rheumat.*, Rotterdam, 1939, 11: No. 41, 2-8.—**Seitz, W.** Die Glycerinaldehyddehydratierung durch Serum von Kranken mit und ohne Ikterus. *Zschr. klin. Med.*, 1938, 39: 603-12.—**Watson, C. J.** Pathologic physiology and diagnosis of jaundice. *Surgery*, 1938, 4: 271-6.—**Wolfson, M., & Schultz, E. W.** Inhibitory effect of jaundice on the growth of the tubercle bacillus. *Proc. Soc. Exp. Biol.*, N. Y., 1930-31, 28: 297.

pregnancy.

See also subheading Gynecological aspect.

FEINSTEIN, H. *Contribution à l'étude de l'ictère post-abortum. 32p. 8° Par., 1935.

MANN, U. *Zur Beurteilung des Ikterus in der Schwangerschaft [München] 24p. 8° Düsseldorf, 1932.

Beruti, J. A., & Sala, S. Ictericia hemolítica y embarazo. *Bol. Soc. obst. gin. B. Aires*, 1933, 12: 843-51.—**Brentnall, C. P.** Icterus gravis at the end of the 7th month of pregnancy. *J. Obst. Gyn. Brit. Empire*, 1936, 43: 584.—**Bubis, J. L., & Goodman, J. I.** Jaundice complicating a case of twin pregnancy. *Ohio M. J.*, 1941, 37: 1167-70.—**Carnot, P., Facquet, J., & Dreyfus, B.** Atrophie aiguë du foie, décelée par des radiographies successives au cours d'un icère grave de la grossesse. *Bull. Soc. méd. hôp. Paris*, 1939, 3, ser., 55: 844-6. — **Letère grave de la grossesse; démonstration radiologique de l'atrophie du foie.** *Paris méd.*, 1939, 111: 426-33, 2 pl.—**De Senibus, M.** Considerazioni intorno ad un caso di ittero emolitico recidivante in gravidanza. *Chin. ostet.*, 1931, 33: 762-7.—**Fraser, M.** A case of severe toxic jaundice in late pregnancy with recovery. *Lancet, Lond.*, 1937, 2: 687.—**Freyschmidt, H. J.** Hämolytischer Ikterus und Schwangerschaft. *Zbl. Gyn.*, 1936, 60: 1932-4.—**Grant, J., & Miller, J. H.** Puerperal jaundice. *Clin. J., Lond.*, 1936, 65: 509-12. Also *Glasgow M. J.*, 1936, 125: 165-71.—**Kjelland-Mörde, S.** A case of icterus gravis in the 39th week of pregnancy with the clinical picture of acute yellow atrophy of the liver. *Acta obst. gyn. scand.*, 1940, 20: 360-71.—**Magnani, L.** Sull'ittero recidivante della gravidanza. *Riv. ital. gin.*, 1929-30, 9: 801-16.—**Marchal, G., & Breton, P.** Ictère hémolytique et grossesse. *Sang. Par.*, 1939, 13: 661-8.—**Moragues Bernat, J.** Las ictericias benignas del embarazo. *Prensa méd. argent.*, 1933-34, 20: 659-64.—**Rabau, E.** Beitrag zum Ikterus toxicus gravis in der Schwangerschaft. *Zbl. Gyn.*, 1929, 53: 205-9.—**Rezende, J. de.** Ictericia e gravidez. *Rev. gyn. obst.*, Rio, 1932, 26: 504-10.—**Rissmann, P.** Operative Klärstellung oder Annahme eines Schwangerschaftsiktus. *Arch. Gyn., Berl.*, 1927, 132: 298-301. [Discussion] 305-14. Also *Zbl. Chir.*, 1927, 54: 2051-4.—**Schwalm, H.** Rezidivierender Schwangerschaftsiktus. *Zbl. Gyn.*, 1932, 56: 2098.—**Tagliaferro, P.** Sull'ittero tossico in gravidanza. *Clin. ostet.*, 1934, 36: 7-13.

regional and partial.

Bienenfeld, B. Ueber die Verteilung des Hautikterus. *Wien. klin. Wschr.*, 1928, 41: 1683.—**Corbini, G.** Contributo alla conoscenza ed alla patogenesi dell'ittero regionale. *Pol. clinico*, 1929, 36: sez. prat., 767-71.—**Fieissinger, N., & Boudin, G.** Les icères partiels. *Bull. Soc. méd. hôp. Paris*, 1936, 3, ser., 52: 1259-63.—**Gänsslen, M.** Regionärer Ikterus, zugleich ein Beitrag über den Wert der Blascemethode für die Untersuchung der Gewebe. *Deut. med. Wschr.*, 1928, 54: 828.—**Kovács, F.** Ueber die Verteilung des Hautikterus. *Wien. klin. Wschr.*, 1928, 41: 1456.—**Poenara Capiesco & Grossu, E.** L'ictère conjonctival et l'appendicite. *Bull. Acad. méd. Par.*, 1932, 3, ser., 108: 1098-103.—**Umbert, F., & Rosenberg, M.** Regionärer Ikterus, zugleich ein Beitrag über den Wert der Blascemethode für die Untersuchung der Gewebe. *Deut. med. Wschr.*, 1928, 54: 90.

Surgery.

See also Ikterus, hemolytic, familial; Surgery; also Duodenal tube; Gallbladder, Surgery, etc.

BENOIT, H. *Le traitement chirurgical des icères dits médicaux. 154p. 8° Par., 1935.

RUPPENTHAL, K. P. *Jaundice and surgery [Marquette Univ.] 10p. 4° Milwaukee, 1926.

Amberg, S., & Walters, W. Infantile jaundice; report of 2 unusual cases in which cholecystostomy was employed. *Proc. Mayo Clin.*, 1938, 13: 769-72.—**Bardon, M., & Mahon.** Sur un cas de cholécysto-duodénostomie. *Bordeaux chir.*, 1931, 2: 234.—**Bengolea, A.** A propósito del sondaje duodenal en las ictericias. *Bol. Soc. cir. B. Aires*, 1929, 13: 358-90. — **Velasco Suárez.** Further considerations regarding the therapeutic value of duodenal sounding in jaundice. *Med. Times, N. Y.*, 1930, 58: 197-200.—**Bergouignan, L.** Deux cas de cholécystostomie pour icère prolongé de cause médicale. *Mém. Acad. chir., Par.*, 1936, 62: 515.—**Brulé, M.** Le tubage duodénal dans la thérapeutique des icères. *Paris méd.*, 1934, 91: 424-8.—**Chabrol, E.** Le tubage duodénal dans les icères. *Hôpital*, 1935, 23: 155.—**Constantinesco, M.** Cholécysto-duodénostomie pour icère. *Rev. chir., Bucur.*, 1938, 41: 622.—**Covaerts, J., & Flamand.** Le traitement des icères chirurgicaux. *Bruxelles méd.*, 1938-39, 19: 493.—**Elansky, N. N.** [When not to operate in jaundice]. *Tr. Acad. mil. méd. Kiroff*, 1936, 7: 91-101.—**Floyd, W. O.** Surgery of the bile passages in the jaundiced patient; with case reports. *J. Tennessee M. Ass.*, 1935, 28: 191-7.—**Gómez.** A propósito de nuevas consideraciones sobre el valor del sondaje duodenal en las ictericias. *Bol. Soc. cir. B. Aires*, 1929, 13: 283-91.—**Heyd, C. G.** Jaundice. *Surg. Clin. N. America*, 1932, 12: 451-61.—**Johnson, R. S.** Jaundice. In *Postgrad. Surg.* (Maingot, R.) N. Y., 1936, 1: 748-80.—**Judd, E. S., & Hoerner, M. T.** Operations for jaundice that is attributable to disturbances of the liver and biliary ducts. *Mississippi Doctor*, 1935-36, 13: No. 4, 12-9.—**Kappis, M., & Fulde, E.** Die Anzeigenstellung des Chirurgen bei der Gelbsucht. *Deut. med. Wschr.*, 1927, 53: 391-4.—**Pohl, H.** Chirurgische Eingriffe beim Ikterus unklarer Genese. *Zbl. Chir.*, 1937, 64: 248-50.—**Puestow, C. B.** Differential

diagnosis and surgical care of jaundiced patients. *Illinois M. J.*, 1942, 82: 311-5.—**Seeger, S. J.** Surgical problems presented by jaundice in infancy and childhood. *South. Surgeon*, 1940, 9: 552-65.—**Sondaggio** (II) duodenale nell'ittero. *Gazz. osp.*, 1935, 56: 1304-8.—**Tubage** duodénal dans les icterès. *Rev. gén. clin. théor.*, 1934, 48: 811.—**Walton, J.** The surgery of jaundice. *Brit. M. J.*, 1936, 1: 979-84.—**Wolfer, J. A.** The principles of the surgical treatment of the jaundiced patient. *Illinois M. J.*, 1934, 66: 461-6.

Surgical aspect.

Achelis, H., & Schneider, E. Das Verhalten des Säurebasenhaushalts beim experimentell gesetzten Icterus und die Bedeutung dieses Verhaltens für den chirurgischen Eingriff. *Deut. Zschr. Chir.*, 1929, 217: 161-75.—**Bazin, A. T.** Jaundice: urgeal considerations. *Canad. M. Ass. J.*, 1937, 37: 328-31.—**Byrne, R. V.** Surgical jaundice. *West. J. Surg.*, 1940, 48: 370-3.—**Chiariello, A.** Problemi chirurgici negli icterici. *Minerva med.*, Tor., 1940, 31: 575 (microfilm).—**Dinsmore, R. S.** Preoperative considerations of the jaundiced patient. *Cleveland Clin. Q.*, 1939, 6: 275-8.—**Duval, P.** Quelques considérations sur les icterès chirurgicaux. *Vie méd.*, 1927, 8: 1071-3.—**Eliason, E. L.** Surgical jaundice. *Rocky Mountain M. J.*, 1940, 37: 258-64.—**Elman, R.** Surgical aspects of jaundice. *Internat. Clin.*, 1941, n. ser. (4) 3: 154-66.—**Flint, E. R.** Jaundice in relation to surgery. *Lancet*, Lond., 1927, 2: 165-8.—**Grasso, R.** Il Rosso Congo nel trattamento preoperatorio della diatesi emorragica degli icterici. *Ann. ital. chir.*, 1934, 13: 865-76.—**Heard, J. E.** Surgical aspects of jaundice. *Tristate M. J.*, 1940-41, 13: 2786-9.—**Horwitz, A.** Surgical considerations of jaundice. *Med. Ann. District of Columbia*, 1939, 8: 261-4.—**McNealy, R. W.** Preparation of the jaundiced patient for operation. *Tr. Internat. Coll. Surgeons*, 1938, 1: 132-40. Also *Am. J. Surg.*, 1938, 40: 237-44. Also *Wisconsin M. J.*, 1939, 38: 101-7.—**McVicar, C. S.** The preoperative and postoperative management of patients with jaundice. *Proc. Mayo Clin.*, 1927, 2: 218.—**Malamud, T.** Sobre el criterio clínico-quirúrgico en las icterias. *Prensa méd. argent.*, 1936, 23: 2048-52.—**Mayo, C. H.** La ictericia y su significado quirúrgico. *Progr. clín. Madr.*, 1920, 15: 349-54.—**Meyer, K. A.** Surgical considerations in jaundice. *Southwest. M. J.*, 1942, 26: 35-8.—**Steigmann, F.** Surgical jaundice; diagnostic considerations. *Surg. Gyn. Obst.*, 1938, 67: 640-5.—**Milkó, V.** [Surgical aspect of jaundice] *Orv. hetil.*, 1936, 80: 331-6.—**Oliver, S.** Surgical problems in jaundice. *Ohio M. J.*, 1926, 22: 21-4.—**Owen, H. R.** The preoperative and postoperative treatment of the jaundiced patient. *Pennsylvania M. J.*, 1934-35, 38: 395-400.—**Sanders, R. L.** The surgical significance of jaundice. *J. Tennessee M. Ass.*, 1926-27, 19: 128-32.—**Smith, M. K.** Some surgical problems in jaundiced patients. *Am. J. Surg.*, 1929, n. ser., 7: 799-802.—**Stevenson, L. A., & Stevenson, V. L.** Vitamin K in the preoperative treatment of obstructive jaundice; case report. *Rocky Mountain M. J.*, 1940, 37: 209.—**Thorslakson, P. H. T.** The diagnosis and surgical aspects of jaundice. *Manitoba M. Ass. Rev.*, 1940, 20: 5-10.—**Weir, J. F.** Jaundice. *Am. J. Surg.*, 1942, 56: 118-28.

toxic.

See also *Icterus, hepatic, toxic; Liver, Acute yellow atrophy; also names of poisons.*

ANGELICI, D. *Sur l'étiologie des icterès de la chimiothérapie. 53p. 8° Par., 1936.

Agranovich, B. I., & Migina, N. I. [Clinical significance of the method of separate quantitative estimation of bilirubin in toxic jaundice] *Ter. arkh.*, 1941, 19: 170-81.—**Fiessinger, N.** Les icterès toxiques. *Rev. gén. clin. théor.*, 1935, 49: 33-9.—**Findlay, G. M.** Toxic jaundice. *Proc. R. Soc. M., Lond.*, 1933, 26: 584-8.—**Lakin, C. E.** Toxic and infective jaundice. *Brit. M. J.*, 1938, 2: 437-9.—**Spence, A. W.** [et al.] Toxic and infective jaundice. *Lancet*, Lond., 1938, 2: 433-5.—**Ohno, Y.** Contributions of experimental study on the cause of toxic jaundice. *China M. J.*, 1929, 43: 792-4.—**Séval, J.** L'ictère toxique bénin par ingestion de pain fraudé. *Rev. gén. clin. théor.*, 1928, 42: 102-4.—**Tzanck, A., Layani, F., & Negreanu, A.** Les icterès médiats de la chimiothérapie. *Bull. Soc. méd. hôp. Paris*, 1936, 3, ser., 52: 1068-70.—**Wilcox, W.** Toxic jaundice. *Lancet*, Lond., 1931, 2: 1: 57; 111, pl. Also *Chin. J. Lond.*, 1931, 60: 241; passim.

Treatment.

BAY, R. *Hígado-protrombina-vitamina K; estudio experimental y clínico. 123p. 27cm. B. Air., 1940.

Akatova, M. [Treatment of jaundice with insulin] *Vrach. gaz.*, 1928, 32: 195-8.—**Alessandri R., H.** Diagnóstico y tratamiento de las icterias. *Rev. méd. Chile*, 1941, 69: 291-8.—**Bondi, S.** Diätbehandlung bei Icterus. *Aerztl. Prax.*, Wien, 1932, 6: 338.—**Bossert, O.** Der Icterus im Kindesalter und seine Behandlung. *Kinderärztl. Prax.*, 1931, 2: 537-40.—**Brown, C. F. G.** Jaundice: a brief discussion of diagnosis followed by a proposed medical management. *Med. Clin. N. America*, 1935-36, 19: 1163-70.—**Buschke, W.** Merkwürdiger Krankheitsverlauf bei cinem mit Carotin be-

handelten Fall von Icterus mit Nachtblindheit. *Schweiz. med. Wschr.*, 1937, 67: 777-9.—**Butt, H. R., Snell, A. M., & Osterberg, A. E.** The use of vitamin K and bile in treatment of the hemorrhagic diathesis in cases of jaundice. *Proc. Mayo Clin.*, 1938, 13: 74-8.—**Cabot, R.** A case of jaundice treated by multiple transfusions. *N. England J. M.*, 1933, 209: 504-7.—**Carrega Casaffoush, C. F.** El tratamiento de las icterias. *Prensa méd. argent.*, 1935, 22: 39-43.—**Clasen, A. C.** Management of the jaundiced patient. *Kansas City M. J.*, 1940, 16: No. 4, 8-11.—**Coller, F. A., & Farris, J. M.** The management of the jaundiced patient; with special reference to vitamin K. *Surg. Gyn. Obst.*, 1941, 73: 21-9.—**Echaz, F.** Sobre un caso de ictericia tratado con insulina. *Arch. med.*, Madr., 1927, 26: 558-61.—**Escudero, P.** Un cas d'ictère traité par l'insuline. *Rev. méd. chir. mal. foie*, 1927, 2: 393-400.—**Escudero, P.** El régimen alimenticio en los ictericos. *Dia méd.*, B. Air., 1934, 35, 7: 691-3.—**Fantus, B., & Steigmann, F.** The therapy of icterus (jaundice). *J. Am. M. Ass.*, 1938, 110: 732-40.—**Filo, E.** [Treatment of jaundice] *Bratisl. lek. listy*, 1937, 17: 65; 133; 151.—**Fraga, C.** Tratamiento das icterias. *Resenha med.*, Rio, 1942, 9: 8-13.—**Frank, R.** Icteriche Hepatopathien, Gelbsucht. In his *Mod. Ernährungsther.*, 3. Aufl., Berl., 1938, 117.—**Guastamacchia, G.** Osservazione di un ostinato icterizia curata col sorbire nelle narici il succo del frutto della Momordica elaterium di Linneo; ossia coccomero asinino diunio al latte. *Filiatre sebioz. Nap.*, 1836, 11: 21.—**Harvier, P.** Sur le traitement de l'ictère bénin par le tubage duodénal. *Ann. méd.*, Par., 1938, 43: 389-97.—**Hoerner, M. T.** The diagnosis and treatment of jaundice that is attributable to disturbances of the liver and biliary ducts. *J. Med.*, Cincin., 1938-39, 19: 236-44.—**Jaunisse** traité par le suc de concombre sauvage. *Gaz. san.*, Par., 1836, 6: 77.—**Jones, C. M.** The treatment of jaundice and hepatic insufficiency. *Med. Clin. N. America*, 1935-36, 19: 1651-7.—**Judd, E. S., Snell, A. M., & Hoerner, M. T.** Transfusion for jaundiced patients. *J. Am. M. Ass.*, 1935, 105: 1653-8.—**Lahey, F. H.** The management of the patients with painless jaundice. *Surg. Clin. N. America*, 1934, 14: 1127-35.—**Leimbach, H.** Beitrag zur Behandlung von Icterus mit Curcumin. *Med. Klin.*, Berl., 1938, 34: 1467.—**Liegeois, M.** Que diéetico se deve preferir na ictericia? *Novid. med. pharm.*, Porto, 1903-4, 9: 302-5.—**Manzanque, M.** Las icterias en marmoleo. *Siglo méd.*, 1932, 90: 185.—**Newell, T. E., & Hoerner, M. T.** The diagnosis and treatment of jaundice. *Ohio M. J.*, 1940, 36: 365-71.—**Notes on the treatment of jaundice.** *Army M. Bull.*, 1942, No. 63, 102-4.—**Olson, P. F.** The prothrombin test and the vitamin K treatment for the bleeding tendency in the jaundiced patient. *J. Iowa M. Soc.*, 1939, 29: 103.—**Panthaleon van Eck, H. J. M. van** [Treatment of jaundice with insulin and carbohydrate diet] *Ned. tskr. geneesk.*, 1939, 83: 5160-3.—**Parturier, G.** Conduite à tenir dans les icterès. *Rev. méd. chir. mal. foie*, 1929, 4: 491-517.—**Parlier, J.** La phytothérapie dans les icterès. *Ibid.*, 1933, 8: 203-12.—**Portis, S. A.** Medical treatment of patients with jaundice. *Illinois M. J.*, 1938, 74: 249-53. Also *Med. Clin. N. America*, 1939, 23: 83-92.—**Rolleston, H.** Treatment of jaundice. *Med. Press & Circ.*, Lond., 1938, 197: 304-6.—**Rosenberg, M.** Neuere Ergebnisse in der Behandlung des Icterus. *Deut. med. Wschr.*, 1926, 52: 485.—**Simici, D., Popescu, M., & Mustata, I.** [Case of acute icterus successfully treated with insulin and dextrose] *Rev. san. mil.*, Bucur., 1928, 27: 411.—**Sucupira, A.** Ictericia. *Rev. flora med.*, Rio, 1938-39, 5: 157-60.—**Vitamin K.** fish meal product, aids in treatment of jaundice. *Science News Lett.*, 1938, 33: 156.—**Weiler, E. S., & Caciello, A.** Tratamiento de las icterias con glucosa e insulina. *Actas Congr. nac. med.*, Rosario, 1934, 5: pt 4, 88-97.—**Winteler, J. C.** The treatment of jaundice in childhood. *Med. Press & Circ.*, Lond., 1938, 197: 278-82.—**Winternitz, L.** La cura delle icterizie mediante il glucosio. *Policlinico*, 1932, 39: sez. med., 524-33.

Uropoietic system.

See also *Bile—in urine; Bile pigment—in urine; Bilirubin, Excretion; Icterus, hepatic; Kidney, Disease; Urobilin.* etc.

Brahme, L., & Lilliestierna, H. Beitrag zur Kenntnis des Farbewertes im Harn bei ikterischen Zuständen. *Acta med. scand.*, 1929, 72: 65-91.—**Brulé, M., & Cottet, J.** Les troubles de la diurèse au cours des icterès. *Presse méd.*, 1938, 46: 1265-8.—**Fiessinger, N., & Walter, H.** Les subictères urobiluriques. *J. méd. fr.*, 1930, 19: 327.—**Fiessinger, N., Zuckerkandl, F., & Varay, A.** Au sujet de la recherche de l'urobiline dans les icterès. *Bull. Soc. méd. hôp. Paris*, 1937, 3, ser., 53: 1029.—**Foged, J.** The clinical significance of diastasia, the significance of the diastatic power of the urine in the differential diagnosis of the various forms of icterus. *Acta chir. scand.*, 1933, 73: 203-17.—**Gaujoux, E., & Brahic, J.** A propos des hépatonéphrites; la fonction uréosécrétoire au cours des icterès. *Bull. méd.*, Par., 1933, 47: 425-8.—**Millbourn, E.** On the diastatic conditions in cases of jaundice due to cholelithiasis, acute hepatitis, and malignant tumours. *Acta chir. scand.*, 1935-36, 77: 523-62.—**Müller, A.** Chemische Studien am ikterischen Harn. *Zschr. physiol. Chem.*, 1938, 251: 1-13. Also *Klin. Wschr.*, 1939, 18: 235-7.—**Zur Natur der grünen Farbreaktion des Harnes mit para-Dimethylaminobenzaldehyd.** *Zschr. physiol. Chem.*, 1938, 256: 95-103.—**Perrin, M., & Grandpierre, G.** A propos de la diurèse provoquée chez les icteriques. *C. rend. Congr. internat. insuff. hépat.*, 1937, 1. Congr., 371-6.—**Rissel, E.** Zur Frage der

Bilirubinausscheidung und der Nierenfunktion beim Icterus. Wien. klin. Wschr., 1939, 52: 873-5.—**Steigmann, F., & Dyniewicz, J. M.** Comparative studies on urobilinogen excretion in normal and pathologic states, Watson's and Sparkman's methods; the value of urobilinogen quantitation in the differential diagnosis of jaundice. Proc. Centr. Soc. Clin. Res., 1941, 14: 25 (Abstr.).—**Van Cappellen, D.** [Jaundice and uremia] Ned. tsschr. geneesk., 1935, 79: 4516.—**Zancan, B.** Le variazioni della diuresi spontanea e provocata nel decorso degli itteri di varia natura. Arch. sc. med., Tor., 1939, 68: 521-36.

in animals.

See also **Ictero-hemoglobinuria**; **Icterus**, neonatal—in animals; **Xanthosis leuciscorum**; also under names of primary diseases as **Babesiasis**, etc.

GAUCHOT, G. *De l'étiologie et du traitement de l'ictère infectieux des muletons. 60p. 8°. Lyon, 1935.

MAUBARET, J. P. *La jaunisse des muletons; étiologie; traitement [Alfort] 41p. 8°. Par., 1932.

NEUBERT, E. *Die Ursache des Icterus bei der Brustseuche der Pferde [Bern] 39p. 8°. Bernburg, 1910.

VERRET, A. *Etude d'un ictère infectieux du chien; ses rapports avec le typhus et le purpura hémorragique essentiel [Alfort] 108p. 8°. Par., 1926.

Blumer, G. A note on the relationship between jaundice in pigs and jaundice in human beings. J. Mount Sinai Hosp. N. York, 1941-42, 8: 418-21.—**Jaundice** in lambs. Rep. Gov. Bur. Microbiol., Sydney (1909) 1910, 49.—**Lawrence, C. J. M., & Okell, C. C.** The association of human and canine jaundice, with an illustrative case. Lancet, Lond., 1929, 2: 327.—**Malloy, H. T., & Lowenstein, L.** Hereditary jaundice in the rat. Canad. M. Ass. J., 1940, 42: 122-5.—**Petit, G.** Sarcome de l'ampoule de Vater et ictère par rétention chez une chienne. Bull. Soc. centr. méd. vét., Par., 1904, 58: 385.—**Raitsits, E.** Icterus gravis kutyákban. Közl. összehas. élet & kört., 1928, 22: 240-50.—**Robinson, E. M.** Preliminary investigations into an icterus of sheep caused by a bacterium (bacterial icterus) Rep. Dir. Vet. Educ. Pretoria, 1928, 13-14: pt 2, 733-41.

ICTUS.

See under names of organs affected as **Brain**, **Apoplexy**; **Larynx**, **Vertigo**; also **Heatstroke**.

ICYKQUICIUS, Girsas, 1911—*Contribution à l'étude des nodules rhumatismaux; lipomatose nodulaire au cours du rhumatisme chronique déformant. 47p. 24cm. Strasb. [Impr. Argentoratum] 1936.

IDAHO, U. S. A. Department of Public Welfare. Biennial report. Boise, 1: 1919-20—

IDAHO, U. S. A. Department of Public Welfare. Division of Public Health. Evaluation of the industrial hygiene problem of the State of Idaho. 38p. map. 23 tab. 5 ch. 28cm. Boise, 1938.

IDAHO, U. S. A. Office of Government Reports. Utah: Directory of federal and state agencies. xxi, 51p. 27cm. Boise, 1941.

IDAHO, U. S. A. State Board of Health. Biennial report [Boise] 1908-14.

See also **Idaho, U. S. A. Department of Public Welfare.** Biennial report.

— Laws of the State of Idaho relating to the powers and duties of the local boards of health; contagious disease; protecting the health of school children; domestic water and ice supplies, &c.; rules and regulations of the State Board of Health made in conformity therewith, 1913. 24p. 8° [Boise, 1913].

IDAHO, U. S. A. University of Idaho. Bulletin. Moscow, v.11, 1916—
Incomplete.

IDAHO, U. S. A.

IDAHO, U. S. A. STATE BOARD OF HEALTH. Laws of the State of Idaho relating to the powers and duties of the local boards of health—

contagious disease—protecting the health of school children—domestic water and ice supplies, etc.; rules and regulations of the State Board of Health made in conformity therewith, 1913. 24p. 8° [Boise, 1913.]

Alley, J. N. A brief history of medical organization in Idaho. Northwest M., 1915, 7: 339-41.—**Allison, S. D.** Medical memoranda; informal notes on the medical history of Idaho. West. J. Surg., 1938, 46: 605; 1939, 47: 42; passim.—**Carter, H. G.** Idaho climatic summary. Yearb. U. S. Dep. Agr., 1941, 829-40.—**Cate, A. W.** Idaho State Dental Society. In Hist. Dent. Surg. (Koch, C. R. E.) Chic., 1909, 1: 1097.—**Idaho**, hospital and other institutional facilities and services 1939. Vital Statist. Spec. Rep. U. S. Bur. Census, 1941-42, 13: 111-9.—**Idaho**, summary of vital statistics, 1940; place of occurrence. Ibid., 14: 137-59.—**Maxey, E. E.** History of the Idaho State Medical Association. Northwest M., 1917, 16: 323-8.

IDAHO Historical Records Survey Project. Guide to public vital statistics records in Idaho; state and county. iv, 47 l. 27½cm. Boise, 1942.

IDAHO State Asylum for the Insane.

See under **Blackfoot, Idaho**.

IDDINS, Mae. Workbook for physical education. 144p. illust. incl. diagr. 27½cm. S. Louis, C. V. Mosby co., 1941.

IDE [Johannes] Praktische Lungengymnastik zur Hebung der Gesundheit und Leistungsfähigkeit für Schulbesucher, Stubenhocker [etc.] 6. & 7. Aufl. 36p. 2 l. 8°. Münch., O. Gmelin, 1922.

— [The same] Praktische Lungengymnastik zur Hebung und Wiederherstellung der Gesundheit und Leistungsfähigkeit. 10. & 11. Aufl. 58p. illust. 8°. Münch., O. Gmelin, 1932.

— Biologie, Religion, Weltbild; Erkenntnisse und Bekenntnisse eines alten Arztes. 52p. 21cm. Lpz., W. Heim, 1938.

IDE, Manille, 1866—

Williams, R. J. Manille Ide, the discoverer of bios. Science, 1938, 88: 475.

IDEA.

See also **Association of ideas**; **Consciousness**; **Ideation**; **Image**; **Subconscious**; **Thought**.

RIBOT, T. A. The evolution of general ideas. 231p. 8°. Chic., 1899.

SOCHATZY, A. De sensus utriusque rebus et ideis conjungendis. 38p. 8°. Halle, Typ. Semmler [1836]

Abit, H. Perception et conception. C. rend. Congr. internat. psychol. (1900) 1901, 4. Congr., 350.—**Abramowski, E.** Sur la définition descriptive de la perception et du concept. Rev. psychol., Brux., 1909, 2: 458-65.—**Betz, W.** Vorstellung und Einstellung; über Begriffe. Arch. ges. Psychol., 1911, 20: 186-225.—**Bos, C.** Des éléments affectifs de la conception. Rev. philos. France, 1906, 62: 467-81.—**Dunlap, K.** Thought-content and feeling. Psychol. Rev., 1916, 23: 49-70.—**Henning, H.** Neue Eigentümlichkeiten der Vorstellungen. Ber. Kongr. exp. Psychol. (1923) 1924, 8. Congr., 173.—**Meyerson, I.** Les images. J. psychol. norm. path., Par., 1929, 26: 625-709.—**Müller-Freienfels, R.** Typenvorstellungen und Begriffe (Untersuchungen zur Psychologie des Denkens) Zschr. Psychol. Physiol. Sinnesorg., 1913, 64: 1. Abt., 386-433.—**Oliver, W. D.** The concept and the thing. J. Philos., 1936, 33: 69-80.—**Prince, M.** History of the discovery of coconscious ideas. In his Clin. Exp. Stud. Person., 2. ed., Cambr., 1939, 615-27.—**Roloff, H. P.** Vergleichend-psychologische Untersuchungen über kindliche Definitionsleistungen. Zschr. angew. Psychol., 1922, Beih. 27, 1-168.—**Stepanow, G.** Aspetto psicologico del concetto. Cervello, 1924, 4: 195.

IDEAL.

See also **Behavior**; **Desire**; **Ego**; **Emotion**; **Hero**, etc.

SCHMEING, K. Ideal und Gegenideal; eine Untersuchung zur Polarität der jugendlichen Entwicklung. 138p. 8°. Lpz., 1935.

Forms Beih. 70, Zschr. angew. Psychol., 1935.

Barnes, E. Children's ideals. Pedag. Semin., Worcester, 1900, 7: 3-12.—**Chambers, W. G.** The evolution of ideals. Ibid., 1903, 10: 101-43.—**Frenkel, E.** Ichideal und Selbstbeurteilung in objektiver Kontrolle. Rapp. Congr. internat. psychol. (1937) 1938, 11. Congr., 369.—**Hill, D. S.** Personifica-

tion of ideals by urban children. *J. Social Psychol.*, 1930, 1: 379-93. — **Schmeing, K.** Ideal and Minusideal in der jugendlichen Entwicklung. *Ber. Deut. Ges. Psychol.* (1933) 1934, 13. Kongr., 171-3. — **Wyckoff, A. E.** Children's ideals. *Pedag. Semin.*, Worcester, 1901, 8: 182-91.

IDEALISM.

See also **Animism**; **Beauty**; **Ideology**; also names of idealistic philosophers as **Hegel**; **Kant**, etc.

MUSSMANN, J. G. De idealismo sive philosophia ideal. 48p. 4°. Berl., Typ. Reimer [1826]

Barrett, C. The objectivity of mind. *J. Philos.*, 1934, 31: 169-78. — **Del Pozzo, C. U.** Il fondamento dell'imputabilità nell'idealismo attuale. *Scuola posit.*, 1936, n. ser., 16: 147-59. — **Feigl, F. K.** Naturalism and Idealism. *Deut. med. Wschr.*, 1936, 62: 161-5. — **Kries, J. von.** Ueber die zwingende und eindeutige Bestimmtheit des physikalischen Weltbildes. *Naturwissenschaften*, 1920, 8: 237-47. — **Pratt, J. B.** Once more unto the breach. *J. Philos.*, 1934, 31: 199-215.

IDEATION.

See also **Eidetic**; **Idea**; **Ideology**; **Language**; **Learning**; **Perception**; **Reasoning**; **Thought**.

BALLIN, G. G. K. *Das Wesen und die exakte Prüfung der Begriffsbildung. 45p. 8°. Berl., 1912.

FIELDS, P. E. Studies in concept formation. 70p. 26cm. Balt. [1932]

Allers, R. Bild und Gedanke. *Zschr. ges. Neur. Psychiat.*, 1922, 76: 1-17. — **Bühler, K.** Die Entwicklung der Abstraktionsfähigkeit bei Schulkindern. *Ber. Kongr. Psychol.*, 1912, 5: 142-4. — **Dennis, W.** Piaget's questions applied to a child of known environment. *J. Genet. Psychol.*, 1942, 60: 307-20. — **Eljasch, M.** Neue Abstraktionsversuche bei vorschulpflichtigen Kindern. *Zschr. Psychol. Physiol. Sinnesorg.*, 1927, 105: 1. Abt., 1-42. — **Fahey, G. L.** The questioning activity of children. *J. Genet. Psychol.*, 1942, 60: 337-57. — **Feldkeller, P.** Ueber Begriffsüberschiebungen. *Arch. ges. Psychol.*, 1916, 36: 281-92. — **Grünbaum, A. A.** Negative Abstraktion und Nebenaufgabe. *Ibid.*, 1919, 38: 165-81. — **Heidbreder, E.** Perceptual and intellectual factors in the production of concepts. *Psychol. Bull.*, 1942, 39: 497 (Abstr.). — **Henning, H.** Neue Typen der Vorstellungsbilder und die Entwicklung des Vorstellens. *Zschr. angew. Psychol.*, 1923, 22: 387-92. — **Irwin, F. W., & Newland, E.** A genetic study of the naming of visual figures. *J. Psychol., Provincet.*, 1940, 9: 3-16. — **Jacob, E.** Ueber Entstehung und Verwendung der Begriffe. *Arch. ges. Psychol.*, 1925, 51: 495-539. — **Johnson, B.** Development of thought. *Child Develop.*, 1938, 9: 1-7. — **Klineberg, O.** Language and thought. In his *Social Psychol.*, N. Y., 1940, 42-6. — **Lehman, H. C.** Man's most creative years; then and now. *Psychol. Bull.*, 1942, 39: 447 (Abstr.). — **Long, L.** Conceptual relationships in children; the concept of roundness. *J. Genet. Psychol.*, 1940, 57: 289-315. — — — & **Welch, L.** Influence of levels of abstractness on reasoning ability. *J. Psychol., Provincet.*, 1942, 13: 41-59. — **Lovjoy, A. O.** The historiography of ideas. *Proc. Am. Philos. Soc.*, 1937-38, 78: 529-43. — **Meillet, A.** Le caractère concret du mot. *J. psychol. norm. path.*, Par., 1923, 20: 246-58. — **Mokre, H.** Ueber den Einfluss von Grösse und Abstand der Elemente auf die Mengenauffassung. *Zschr. Psychol. Physiol. Sinnesorg.*, 1927, 105: 1. Abt., 195-225. — **Montesano, G.** Valore biologico dell'ideazione, del ragionamento e della coscienza. *Cervello*, 1924, 4: 184-7. — **Moore, A. W.** How ideas work. *J. Philos.*, 1910, 7: 617-26. — **Mott, S. M.** The growth of an abstract concept. *Child Develop.*, 1939, 10: 21-5. — **Philip, B. R., & Peixotto, H. E.** Generalization; absolute and relative. *Psychol. Bull.*, 1942, 39: 498 (Abstr.). — **Prince, M.** Experiments to determine coconscious (subconscious) ideation. In his *Clin. Exp. Stud. Person.*, 2. ed., Camb., 1939, 321-31. — **Voronoff, S.** The influence of stimulants and excitants on cerebral activity. In his *From Cretin to Genius*, N. Y., 1941, 111-22. — — — The role of chance in the creative process. *Ibid.*, 125-42. — **Weigl, E.** Zur Psychologie sogenannter Abstraktionsprozesse; Untersuchungen über das Ordnen. *Zschr. Psychol. Physiol. Sinnesorg.*, 1927, 103: 1. Abt., 1-1. — **Welch, L.** Influence of levels of abstractness on reasoning ability. *Yearb. Am. Philos. Soc.*, 1941, 172-4. — **Wolters, A. W.** On conceptual thinking. *Brit. J. Psychol.*, 1933, 24: 133-43. — **Young, K.** Two forms of language and of thought. In his *Person. & Probl. Adjust.*, N. Y., 1941, 201-7.

Disorder.

See also **Agnosia**; **Delusion**; **Obsession**; **Paranoia**; **Psychosis**, etc.

Birnbaum, K. Abartige Vorstellungsabläufe; in Dokumenten dargestellt. *Neur. Zbl.*, 1919, 38: 513-27. — **Claparède, E.** La perte des idées. *Arch. psychol.*, Genève 1940, 28: 59-63. — **Feuchtwanger, E.** Ueber optisch-konstruktive Ag-

nosie (zugleich ein Beitrag zur Pathologie der optischen Vorstellungstätigkeit) *Zschr. ges. Neur. Psychiat.*, 1934, 151: 469-96. — **Kiesow, F.** Ueber sogenannte frei steigende Vorstellungen und plötzlich auftretende Änderungen des Gemütszustandes. *Atti Congr. internaz. psicol.*, 1905, 5. Congr., 180-5. — **Köppen, M.** Ueber einen reinen Fall von überwertiger Idee und über seine forensische Beurteilung. *Charité Ann.*, Berl., 1905, 29: 311-3. — **Pelletier, M.** L'idéation chez les débilés. *Méd. mod., Par.*, 1905, 16: 97-100. — **Saussure, R. de.** Raisonnement par assonances verbales. *Ann. méd. psychol.*, 1923, 81: pt 2, 402-9. — **Seelert, H.** Zur Pathologie der Denkstörungen bei organischen Psychosen. *Mschr. Psychiat. Neur.*, 1928, 68: 535-43. — **Seletzki, W. W.** Dissociation der Vorstellungen und ihre Bedeutung. *Russ. med. Rdsch.*, Berl., 1908, 6: 709-21. — **Skvortsov, K. A.** [Syndrome of mentism (flight of ideas)] *Sovet. psikhonevr.*, 1938, 14: 84-93.

IDELBERGER, Karlheinz. *Die Verdienste Friedrich Tiedemanns um die Anatomie des Gehirns [München] p.250-90. 23cm. Berl., J. Springer, 1936.

Also *Arch. Psychiat.*, Berl., 1936, 105:

Die Zwillingspathologie des angeborenen Klumpfußes; Untersuchungen an einer unausgelesenen Zwillingsserie von 251 Paaren. 95p. incl. map. 25cm. Stuttg., F. Enke, 1939.

Forms Beilagel. of *Zschr. Orthop.*, 1939, 69:

IDENTIFICATION.

See also under such headings as **Age**, **Determination**; **Anthropology**, criminal; **Bertillon system**; **Cadaver**, identification; **Criminology**, Methods; **Evidence**; **Fingerprint**; **Footprint**; **Hand-print**; **Newborn**, identification; **Sex**, identification, etc.; also **Identity**.

CASTELLANOS, I. Identification problems, criminal and civil. 215p. 17cm. Brooklyn [1939]

OTTOLENGHI, S. Trattato di polizia scientifica. Vol. 1: Identificazione fisica applicata alla medicina e funzioni della polizia; Vol. 2: Identificazione psichica e biografica e investigazioni giudiziarie. 2v. 446p.; 568p. 8°. Milano, 1910-32.

Di Tullio, B. Juez especializado; la cartilla biográfica y el médico criminólogo en la justicia penal. *Rev. crim.*, B. Air., 1933, 20: 132-43. — **Fernández Ortigosa, I.** Identificación científica de las reos. *Mem. Congr. méd. panamer.* (1896) 1898, 2. Congr., 2: 926-31. — **Gustafson, G.** Criminal identification. *Tr. Massachusetts Med. Leg. Soc.*, 1926, 5: 85-91. — **Menesini, G.** Corpo di reato e identificazione personale. *Atti Accad. fisior.* Siena, 1939, 11. ser., 7: Stud. Fac. med. senese, 175-82. — **Ottolenghi, S.** Identificación psíquica y biográfica y la orientación biológica de la policía italiana. *Rev. crim.*, B. Air., 1932, 19: 537-41. — **Ribeiro, L.** Reincidência e identificação. *Arq. med. leg. ident.*, Rio, 1933, No. 6, 137-48, 9 pl. — — — Historia da identificação. In *Lições clin.* (Gonzaga, L.) Rio, 1934, 101-8. — **Sanabria Campos, A.** Estudio jurídico sobre identificación personal. *Policia secr. nac.*, Habana, 1942, 10: 190-4. — **Vervaeck, L.** Le traitement de tous les délinquants dans le cadre pénitentiaire. *Ann. méd. lég.*, 1924, 4: 165-92.

Card and tag.

Army (The) identification tag. *U. S. Nav. M. Bull.*, 1942, 40: 728. — **[Brazil]** Carteira profissional; o decreto que a institue, no. 21,175 Março 21, 1932. *Arq. Inst. med. leg.*, Rio, 1932, No. 5, 172-6. — **Collins, D. J.** Cartes d'identité du personnel sanitaire non revêtu de l'uniforme militaire. *Rev. internat. Croix-Rouge*, 1930, 12: 567-609. — **Gumbleton Daint, R.** Carteira de identidade. *Arq. med. leg. ident.*, Rio, 1934, No. 10, 164-6. — **Leonardov, B.** [Identification tags] Voyn. san. delo, 1931, 5-12. — **Lubián, R., & Arias, M. M.** Brazalete de identificación para las fuerzas armadas en campaña. *Bol. ejérc.*, Habana, 1925-26, 20: 374-8. — **Rouppert.** Rapport à la Commission internationale pour la standardisation du matériel sanitaire sur la standardisation de la plaque d'identité. *Rev. internat. Croix-Rouge*, 1928, 10: 1-13. — **Thomann.** Etudes sur les plaques d'identité en considération des résolutions prises par la Commission internationale de standardisation de matériel sanitaire. *Ibid.*, 1930, 12: 966-77. Also *Bol. farm. mil.*, Madr., 1931, 9: 385-93. — **Validade** das cartelas de identidade com as armas de decisão do Chefe de Polícia sobre o assunto. *Arq. polic. civ.* S. Paulo, 1941, 2: 451.

civil, and military.

[Bahia] A identificação obrigatória dos funcionários publicos na Bahia; decreto N. 7.975, de 6 de Fevereiro de 1932. *Arq.*

Inst. med. leg., Rio, 1932, No. 5, 176.—**Identificação** (A) obrigatória em Cuba. *Ibid.*, 164. **Identificação** (A) obrigatória dos estrangeiros em Portugal, decreto no. 16,386, 1929. *Ibid.*, 165-7.—**Ley** de registro general de identificación de las personas. *Rev. crim.*, B. Air., 1926, 13: núm. extr., 323-33.—**Llanos Valenzuela, G.** A identificação civil no Chile. *Arq. Inst. med. leg.*, Rio, 1932, No. 5, 143-51.—**Ribeiro, L.** Identificação civil e profilaxia criminal. *Arch. med. leg. ident.*, Rio, 1938, 8: 534-9. Also *Tr. Congr. lat. amer. crim.*, 1938, 1. Congr., 3: 129-34.—**Identificação** obrigatória de estrangeiros. *Arq. med. leg. ident.*, Rio, 1939, No. 17, 345-8.—**Sannié, C.** Informe sobre la identificación civil. *Arch. med. leg. ident.*, Rio, 1938, No. 15, 1-58.—**Identificação** civil. *Ibid.*, No. 18, 231-7.—**Valšik, A.** [Problems of identification in the army] *Voj. zdrav. listy*, 1934, 10: 133-5.

Congresses and institutes.

See also under **Forensic medicine**.

Congreso nacional de identificación de Rio de Janeiro, 16-23 de Julio de 1934. *Rev. crim.*, B. Air., 1934, 21: 608-14.—**Congreso** nacional de identificación, Rio de Janeiro, 1935. *Arch. med. leg. ident.*, Rio, 1935, No. 11, 148-55.—**Domingues, A.** Gabinete de identificação de Pernambuco. *Arq. Inst. med. leg.*, Rio, 1932, No. 4, 128-32.—**Ferreira da Costa, D.** Sugestões apresentadas pelo delegado do Espírito Santo. *Arq. med. leg. ident.*, Rio, 1934, No. 10, 151-5.—**González, J. V.** Utilidad de la unificación de los sistemas de identificación criminal en Centro América. *Mem. Congr. méd. centro-amer.*, 1934, 2. Congr., 255-7.—**Instituto** (O) de identificação e a opinião dos técnicos estrangeiros. *Arq. med. leg. ident.*, Rio, 1934, No. 8, 294-8.—**Instituto** de identificação, regulamento aprovado pelo decreto no. 24,531, de 2 de julho de 1934. *Ibid.*, 1935, No. 11, 163-74.—**Lemaire, G.** Création d'un centre et d'un livret d'identification. *Bull. san. Algérie*, 1940, 35: 510-4.—**Marques de Carvalho, J.** Sugestões apresentadas ao Congresso nacional de identificação. *Arq. med. leg. ident.*, Rio, 1934, No. 10, 160.—**Mendonça, C. de.** A centralização do serviço de identificação. *Ibid.*, 159.—**Novas** (As) instalações do Gabinete de identificação. *Arq. Inst. med. leg.*, Rio, 1931, No. 3, 57-68, 2 pl.—**Reyna Almandos, L.** A reforma do Gabinete de identificação. *Ibid.*, 86-8.—**Ribeiro, L.** A identificação no Rio de Janeiro. *Ibid.*, 1932, No. 5, 5-23, 28 pl.—**Instituto** de identificação. *Arq. med. leg. ident.*, Rio, 1940, No. 18, 244-61.—**O Instituto** de identificação do Rio de Janeiro. *Ibid.*, 1933, No. 7, 255-71, 35 pl.—**Sobre** a reforma do Gabinete de identificação. *Arq. Inst. med. leg.*, Rio, 1931, No. 2, 24-8, 2 plans, 6 ch.—**Sannié, C.** Le Service de l'identité judiciaire à Paris. *Arch. med. leg. ident.*, Rio, 1936, No. 12, p. xiv-xxvii.—**Sarmiento, A.** Serviços de identificação. *Bol. san.*, Luanda, 1940, 3: 239-43.

Method.

See also under names of parts of the body and other objects used for personal identification as **Bone**, **Forensic aspect**; **Hair**, **Forensic aspect**, etc. **DUFOUR-LAMARTINIE, J.** *Pièces d'identité sanitaire utilisables surtout en cas d'accidents. 42p. 24½cm. Par., 1939.

SIMON, C. The retinal method of identification; a new system of classifying retinal patterns. 13 l. 4". N. Y., 1936.

WILDER, H. H., & WENTWORTH, B. Personal identification; methods for the identification of individuals, living and dead. 2. ed. 383p. 8°. Chic., 1932.

Auteri, L. Le costole in rapporto all'identificazione. *Arch. antrop. crim.*, Milano, 1940, 60: 550.—**Aznar, B.** La lumière infra-rouge dans les techniques micrographiques d'identification. *Ann. méd. lég.*, 1935, 15: 781-9.—**Bartmann, F.** Die Augenintergrund-Photographie, eine neue Methode der Verbrecheridentifizierung? *Arch. Krim.*, 1936, 98: 223-34.—**Bucky.** Kriminalistische Feststellungen durch Röntgenstrahlen. *Aerzt. Sachverst. Ztg.*, 1922, 28: 166-70. Also *Fortschr. Röntgenstrahl.*, 1922, 30: Kontrh., 79-81.—**Casati, A.** I fatti ciatriciali dell'apparato respiratorio come segni personali di riconoscimento. *Arch. antrop. crim.*, Tor., 1931, 51: 494-8.—**Culbert, W. L., & Law, F. M.** Identification of a body by comparison of radiographs of the nasal accessory sinuses and mastoid processes. *Tr. Am. Lar. Rhin. Otol. Soc.*, 1926, 32: 248-50, 2 pl.—**Dos Reis, A.** A mordedura na identificação. *Ann. Fac. med. S. Paulo*, 1927, 2: 491-532, 5 pl.—**F. W.** Das Röntgenporträt. Umschau, 1935, 39: 268.—**Gianolio, G.** La fotografia applicata all'antropologia e alla identificazione fisionomica; le gemelle Ellero. *Boll. Ass. romana med. pedag. anorm.*, 1908, 2: No. 6, 15-8.—**Hellwig, A.** Ueber die Technik von Gegenüberstellungen zur Feststellung der Personengleichheit. *Zschr. angew. Psychol.*, 1929, 34: 213-43.—**Jannoni-Sebastianini.** Facceite articolari dei condili occipitali e cavità glenoidi dell'atlante in rapporto all'identità. *Zacchia*, 1927, 6: 19-37.—**Jørgensen, H.** Boliograpie und Fernidentifizierung. *Arch. Krim.*, 1921-22, 74: 255-61.—**Das Fernidentifizierungssystem.** *Ibid.*, 1926, 78: 229-44.—**Mendonça, C. de.** A prova de identidade entre nós. *Arq.*

Inst. med. leg., Rio, 1931, No. 3, 19-21.—**Modi, J. P.** Examination of blood and seminal stains, and of hair. In his *Textb. Med. Jurispr.*, 6. ed., Bombay, 1940, 89-118.—**Obiglio, J. R.** Identificación de pelos. *Rev. As. méd. argent.*, 1937, 51: 514-8.—**Petty, W. L.** Illinois methods of identification. *Welf. Mag.*, Pontiac, 1926, 17: No. 11, 65-8.—**Rebello Netto, J.** Identificação pessoal e a cirurgia plastica. *Arq. med. leg. ident.*, Rio, 1934, No. 10, 87-96.—**Reyna Almandos, L.** Identificación monodactilar (sistema de Sagredo) *Rev. crim.*, B. Air., 1927, 14: 129-43.—**Ribeiro, L.** Mesa de identificação Herschel; modelo Felisbello Belletti. *Tr. Congr. lat. amer. crim.*, 1938, 1. Congr., 3: 209-16.—**Richter, H.** Ein Beitrag zur Bedeutung des Röntgenverfahrens in Kriminalfällen. *Deut. Zschr. gerichtl. Med.*, 1926, 7: 626-33.—**Simon, C., & Goldstein, I.** A new scientific method of identification. *Curr. Leg. Thought*, 1935-36, 2: 76. Also *N. York State J. M.*, 1935, 35: 901-6.—**Slot, G.** Identification, especially in cases of dismemberment. *Med. Leg. Crim. Rev.*, Lond., 1940, 8: 133-6.—**Smith, S.** Identification from a finger-tip removed by bite. *Brit. M. J.*, 1928, 1: 757, pl.—**So, S.** Identitätsbestimmung durch Haare. *Jap. J. M. Sc.*, 1939-40, 3: Proc. Soc. Med. & Hyg., 31-3.—**Strassmann, G.** Die Untersuchung zur Feststellung der Identität und des Alters einer Person. In *Handb. biol. Arbeitsmeth.* (Abderhalden, E.) Berl., 1938, 4: T. 12, 1. Hälfte, Bd 1, 556-72.

Method, dental.

See also **Dentistry**, **Forensic aspect**.

BRINKMANN, [H. K.] A. *Identitätsbestimmungen auf Grund des zahnärztlichen Befundes in der gerichtlichen Medizin. 62p. 8°. Bresl., 1930.

CHRUBASIK, G. *Die Verwertbarkeit von Zahnanomalien für die gerichtliche Medizin zur Identifizierung. 27p. 8°. Bresl., 1935.

DELCKER, B. *Altersbestimmung an Hand von Zähnen unter Hinweis auf die Ausnahmen [Heidelberg] 14p. 8°. Philippsb., 1936.

HERMANN, B. *Identifizierung durch Zähne bei Verbrannten [Kiel] 20p. 8°. Lübeck, 1931.

HETTINGER, A. [K.] *Identifizierung aus dem Gebiss [Heidelberg] 15p. 21cm. Lauda, 1936.

HÜBER, C. *Signes d'identité d'ordre stomatologique. 39p. 8°. Strassb., 1933.

HÜSEMANN, H. *Forensische Begutachtung durch den Zahnarzt. 23p. 8°. Tüb., 1936.

LENKEIT, E. *Die Identifizierung von Leichen durch das Gebiss. 87p. 8°. Kiel, 1931.

MELCHIOR, E. *Die Mitarbeit des Zahnarztes bei der Identifizierung von Leichen. 47p. 8°. Berl., 1929.

MEYER, H. *Die Bedeutung der Zahn-, Kiefer- und Okklusionsanomalien für die Identifikation der Person. p.362-78. 8°. Bonn, 1933.

Also *Deut. Zschr. gerichtl. Med.*, 1933, 22: **NOFFZ, K. H. [H. A. F.]** *Die Zerstörungen der Zähne, Kiefer, Mundschleimhaut, Muskel und der im Munde vorkommenden zahnärztlichen Materialien durch hohe Temperaturen. 16p. 8°. Rostock, 1931.

NOSSECK, M. *Erfolgreiche Arbeitsmethoden in der Zahnheilkunde bei der Aufklärung kriminalistischer Fälle [Berlin] 27p. 23½cm. Charlottenb., 1936.

RÜCK, E. *Die Bedeutung der Zähne für die Identitätsbestimmung. 26p. 8°. Erlangen, 1932.

SAURBIER, V. *Beitrag zur Identifizierung von Leichen nach den Gebiss. 37p. 8°. Jena [1929]

SCHMIDT, F. *Die Zähne im Dienste der Identifizierung. 45p. 8°. Heidelb., 1930.

TEUBER, H. *Untersuchungen über die Einwirkung von Feuer auf die menschlichen Zähne und ihre gerichtsärztliche Bedeutung. 43p. 8°. Bresl., 1932.

WEIMANN, M. *Gerichtsmedizinische Identitätsfeststellung und Altersbestimmung auf Grund von Zahn- und Gebissbefund [Münster] 31p. 8°. Emsdetten, 1934.

Adlington, W. J., & Rosen, J. G. Identification by dental records. *Dent. Bull.*, Carlisle, 1940, 11: 99-102.—**Añe, G.** Índice para la identificación por medio del sistema dentario

Rev. san. mil., Habana, 1940, 4: 223-9.—**Bohmer, K.** Identifikation nach Verbrennung. Deut. Zschr. gerichtl. Med., 1931-32, 18: 250-69.—**Carvalho Filho, A. de.** Identificação pelos dentes. Arq. med. leg. ident., Rio, 1934, No. 8, 192-205.—**Charlet, R.** Les fiches d'identification bucco-dentaires et le personnel de l'aéronautique civil et militaire. Presse méd., 1933, 41: 17-9.—**Coffart.** Identification d'un cadavre après 7 ans d'inhumation en fosse commune (1914-21) à l'aide d'une fiche dentaire. Rev. stomat., Par., 1922, 24: 98-100.—**Criner Garcia, C. A.** Valor de la odontología en los trabajos de identificación. Vida nueva, Habana, 1942, 49: 18-24, 8 pl.—**Dechaume & Dérobert.** Diagnostic médico-légal des dents de l'homme et des animaux. Rev. stomat., Par., 1936, 38: 337-79.—**Euler, H.** Naturwissenschaftlich-kriminalistische Untersuchungen an Zähnen. In Handb. biol. Arbeitsmeth. (Abderhalden) Berl., 1934, 4: Teil 12, 2. Hälfte, 59-156.—**Ueber das Altern des menschlichen Zahnsystems.** Deut. zahnärztl. Wschr., 1940, 43: 393-403.—**Harper, R. N.** The use of anterior centric relation records for identification. Deut. Digest, 1940, 46: 350-2.—**Humble, B. H.** Identification by means of teeth. Brit. Dent. J., 1933, 54: 528-36.—**Ince, J., & Martzy, S.** Identitätsbestimmung einer Wasserleiche durch das Gebiss und einen alten Knochenbruch. Arch. Krim., Lpz., 1931, 89: 217-9, pl.—**Klein, A.** Die Identifizierung durch die Zähne bei Brandkatastrophen. Schweiz. Mschr. Zahnhe., 1929, 39: 607-28.—**Koeh, C. R. E.** Identification by means of the teeth. In his Hist. Dent. Surg., Chic., 1909, 1: 840-3.—**Lentulo, H.** L'identification des cadavres par la fiche dentaire. Odontologie, Par., 1921, 59: 92.—**Longinotti, L. E.** Normas generales para la identificación por los dientes. Prensa méd. argent., 1939, 26: 757-61.—**Máthé, D.** [Denture in identification] Orv. hetil., 1937, 81: 1055; 1077.—**Morandi, F.** L'importanza della stonatalogia nell'accertamento medico-legale della identità. Riv. ital. stomat., 1935, 4: 914-22.—**Ponce, L.** El carnet bucodental en medicina legal. Actas Conf. lat. amer. neur., 1929, 1. Conf., 2: 248-56.—**Quintin.** L'identification par la méthode buccale. Bull. Soc. anthropol. Bruxelles, 1911, 30: 350-5.—**Riddell, W. R.** How to tell a man by his teeth. Med. J. & Rec., 1932, 136: 125.—**Rogers, A. P.** Identification by dental means. J. Am. Dent. Ass., 1936, 23: 181-9.—**Ryan, E. J.** Identification through dental records. J. Crim., Chic., 1937-38, 28: 253-60. Also Mil. Surgeon, 1937, 81: 333-9.—**Schirnding, H.** The teeth and their significance in forensic medicine, with special regard to the identification of corpses. Dent. Cosmos, 1934, 76: 853-9.—**Sein, A. S., & Carcavallo, R. R.** La identificación en los desdentados humanos parciales y totales. Rev. As. méd. argent., 1937, 50: 148-51.—**Silva, L.** Identificação dos estygnas dentarios profissionais. Arq. med. leg. ident., Rio, 1934, No. 10, 174-9.—**Sprawson, E.** Forensic aspects of the teeth and jaws. Dent. Rec., Lond., 1941, 61: 165-70. Also Rev. med. forense, Habana, 1941, 1: 88-91.—**Taylor, J. H.** Identification by the teeth: a new system of classification. U. S. Nav. M. Bull., 1927, 25: 49-54.—**Weissenstein, S.** Die Identitätsstanz zur Agnosierung Lebender und Toter. Schweiz. Mschr. Zahnhe., 1931, 41: 612-4. Also Zschr. Stomat., 1931, 29: 742-4.—**Zichel, G.** Gerichtlich-medizinische Untersuchungen an Zähnen, unter besonderer Berücksichtigung der quantitativen Bestimmung ihrer Lumineszenz. Deut. Zschr. gerichtl. Med., 1933, 21: 278-90.

— Psychoanalytic aspect.

See also **Complex**, **Edipus complex**.

Graber, G. H. Die zweierlei Mechanismen der Identifizierung. Imago, Wien, 1937, 23: 24-48.—**Thompson, C.** Identification with the enemy and loss of the sense of self. Psychoanal. Q., 1940, 9: 37-50.—**Vié, J.** Un trouble de l'identification des personnes; l'illusion des sosies. Ann. méd. psychol., Par., 1930, 88: 214-37.

— of animals.

Tisseur, H. *Identification du cheval par les empreintes palatines. 47p. 25cm. Lyon, 1939.
Török, J. [Identity of dogs determined by rhinoscopy] Allatorv. lap., 1933, 56: 333-9.

IDENTITY.

See also **Identification**.

Catalán, E. Aspectos penales sobre la identidad de los delinquentes. Rev. crim., B. Air., 1926, 13: núm. extr., 163-77.—**Cutujian, F. C.** The role of identical stimulus-elements in judgments of similarity. Am. J. Psychol., 1942, 55: 18-32.—**Falco, G.** Sul concetto biologico di identità. Riforma med., 1934, 50: 123-7. Also Arch. med. leg. ident., Rio, 1936, No. 12, 207-21.—**Gumbleton Daunt, R.** Da identidade das pessoas naturais. Ibid., 1934, No. 10, 167-71.—**Hoover, J. E.** The practitioner's responsibility when fugitives attempt to conceal identity by means of surgery. J. Am. M. Ass., 1935, 104: 1663.—**Metzger, W.** Beobachtungen über phänomenale Identität. Psychol. Forsch., 1934, 19: 1-60.—**Modi, J. P.** Cases of mistaken identity. In his Textb. Med. Jurispr., 6. ed., Bombay, 1940, 63.

IDEOGRAPHY.

See **Writing**.

IDEOLOGY.

See also **Idea**; **Ideation**; **Intellect**; **Mind**.

TABACARU, G. *Die Untersuchungen Binet's über die Psychologie des Denkens [München] 60p. 8°. București, 1915.

Becknell, E. A. Probability; a function of ideology. Am. J. Psychol., 1940, 53: 604-9.—**Bühler, K.** Zur Geschichte der Ausdruckstheorie. Zschr. Psychol. Physiol. Sinnesorg., 1. Abt., 1933, 129: 246-61.—**Dittmers, F.** Zum Gesetz der speziellen Determination. Ibid., 1926, 99: 383-8.—**Evlakhov, A.** [Psychology of creative power as a biological problem] J. teor. prakt. med., 1925, 1: 313-7.—**Graham, J. L.** An experiment in generalizing; a unicursal problem. J. Exp. Psychol., 1938, 23: 96-100.—**Hüper, H.** Ueber die Verwendung der Achsen Suchmethode zur Analyse der Begriffsbildung; eine experimentelle und kritische Untersuchung. Arch. ges. Psychol., 1928, 62: 315-408.—**Jacobi, W.** Arbeiten zur Ideengeschichte der Psychiatrie. Arch. Psychiat., Berl., 1932, 96: 479-520.—**Kostylev, N.** Les travaux de l'école psychologique russe; étude objective de la pensée. Rev. philos. France, 1910, 35: 483-507.—**Külpe, O.** Ueber die Bedeutung der modernen Denkpsychologie. Ber. Kongr. exp. Psychol., 1912, 5. Kongr., 117.—**Lindworsky, J.** Methoden der Denkforschung. In Handb. biol. Arbeitsmeth. (Abderhalden, E.) Berl., 1925, Abt. 6, Teil B, 157-84.—**Linke, P. F.** Verstehen, Erkennen und Geist; zur Philosophie der psychologisch-geisteswissenschaftlichen Betrachtungsweise. Arch. ges. Psychol., 1936, 97: 3-46.—**Metz, P.** Schichtenanalyse des Abstraktionsvorgangs. Zschr. angew. Psychol., 1930, 35: 287-352.—**Selz, O.** Experimentelle Untersuchungen über den Verlauf determinierter intellektueller Prozesse. Ber. Kongr. exp. Psychol., 1911, 5. Kongr., 229-34.—**Smoke, K. L.** An objective study of concept formation. Psychol. Monogr., Princeton, 1932, 42: No. 4, 1-46.—**Welch, L.** A preliminary investigation of some aspects of the hierarchical development of concepts. J. Gen. Psychol., 1940, 22: 359-78.—**& Long, L.** A further investigation of the higher structural phases of concept formation. J. Psychol., Provincet., 1940, 10: 211-20.

— philosophical [Weltanschauung]

See also **Cosmology**; also such headings as **Idealism**; **Realism**, etc.

Allers, R. Zur Frage nach einer Psychopathologie der Weltanschauungen. Zschr. ges. Neur. Psychiat., 1925-26, 100: 323-31.—**Kopelowitsch, L.** Die Biologie der Anschauung. Psychiat. neur. Wschr., 1935, 37: 256-64.—**Krellenberg, P.** Ueber die Heraufdifferenzierung der Wahrnehmungs- und Vorstellungswelt aus der originären eidetischen Einheit. Zschr. Psychol. Physiol. Sinnesorg., 1. Abt., 1921-22, 88: 56-119.—**Wright, B. A.** The development of the ideology of altruism and fairness in children. Psychol. Bull., 1942, 39: 485 (Abstr.)

IDE TEST.

See under **Syphilis**, **Serodiagnosis**.

IDIOAGGLUTININ.

See **Agglutinins**, natural.

IDIOCHROMOSOME.

See **Chromosome, X**; **Chromosome, Y**; **Sex**, **Determination**.

IDIOCY [and idiot]

See also **Mental deficiency**; also names of primary conditions resulting in idioey as **Brain**, **Abnormalities**; **Epilepsy**; **Hydrocephalus**; **Myxedema**, congenital; **Syphilis**, congenital, etc.

SCHECHER, L. *Ueber die Grösse der Familien von Idioten; ein Beitrag zur Kenntnis der Vermehrung der Minderwertigen. 12p. 8°. Würzb., 1934.

Agüello, D. M., & Cifardo, R. Frenastenia cerebropática de tipo idiótico. Rev. psiquiat. crim., B. Air., 1937, 2: 305-12.—**Gohde, G.** Schwachsinnigste Kinder. Zschr. Gesundheitsf., 1923, 36: 308-10.—**Hollingworth, L. S.** The frequency of anentia as related to sex. Med. Rec., N. Y., 1913, 84: 753-6.—**Neurath, R.** Konstitutionelle Typen der Idiotie im Kindesalter. Wien. klin. Wschr., 1930, 43: 208. Also Wien. med. Wschr., 1930, 80: 364-6.—**Strauss, A.** Beiträge zur Einteilung, Entstehung und Klinik der schwersten Schwachsinnformen. Arch. Psychiat., Berl., 1933, 99: 693-708.—**Thysell, T.** [Current problems in the investigation of mental debility, and the attempt to form an etiological analysis, based on hospital record data, of idioey in children] Nord. med., 1939, 3: 2562-9.—**Werner, H.** Idiotie, Psychopathie, Schwachsinnigenfursorge, 1937. Allg. Zschr. Psychiat., 1939, 106: Liter. H., 165-77.—**Weygandt, W.** Gruppierung der Idiotie

und Imbezillität. Münch. med. Wschr., 1926, 73: 765; 828. Also Zschr. Behandl. Schwachsinn., 1926, 46: 49-61.—Zsakó, I. [Idiocy in 3 brothers] Budapesti orv. ujs., 1936, 34: 1047-9.

— amaurotic familial.

See Amaurotic familial idiocy.

— Diagnosis.

See also Imbecility; Intelligence test.

Berry, R. J. A. A practical method for the detection, during childhood, of potential social inefficiency and high-grade mental deficiency. In Stoke Park Monogr. Ment. Defic., 1933, 1: 1-39.—**Blisenkrone-Møller, N.** Papillarmuster und Imbezillität. Mschr. Psychiat., 1937, 95: 28-31, 3 tab.—**Gesell, A. L., & Amatruda, C. S.** Amentia of high grade. In their Develop. Diagn., N. Y., 1914, 124-40.—**Gordon, R. G.** The Merrill-Palmer scale of intelligence tests for pre-school children applied to low-grade mental defectives. Brit. J. Psychol., 1933, 24: 178-86. Also in Stoke Park Monogr. Ment. Defic., 1933, 1: 209.—**Meagher, J. F. W.** Mental defectiveness; the psychological and psychiatric diagnosis of the higher grades. Med. Leg. J., N. Y., 1931, 48: 102-16.

— mongolian.

See Mongolism.

— Pathology.

See also Brain, Abnormalities; Goiter, Cretinism; Thymus, Disease, etc.

KELLER, E. L. P. *Ein Beitrag zur pathologischen Anatomie der Idiotie. 32p. 8° Berl., 1890.

Angarano, D. Idiozia con ipercinemia (contributo di diagnostica clinica) Rinasce. med., 1924, 1: 494-7, pl.—**Ashley-Montagu, M. F.** The philosophy of as-if and Simon's orbital law of the canines, together with certain remarks on the skull of an idiot. Internat. J. Orthodont., 1934, 20: 25-47.—**Bogaert, L. van, & Ley, R. A.** L'état verrouillé de la corticalité cérébrale et cérébelleuse dans un cas d'idiotie avec rigidité et amaurose; contribution à l'étude des paraplégies spasmodiques cérébrales avec intégrité de la voie pyramidale. Schweiz. Arch. Neur. Psychiat., 1929, 24: 195-230.—**Borda, J. T.** Sobre un caso de rara malformación cerebral de un idiota. Rev. argent. neur., 1930, 4: 387-97.—**Delfini, C.** Conglutinazioni della rete neurofibrillare endocellulare in cellule corticali in un particolare caso di idiozia. Riv. sper. freniat., 1934, 58: 1255.—**De Sanctis, C., & Caccione, A.** L'idiozia xerodermica. Riv. sper. freniat., 1932-33, 56: 269-92.—**Eisner, E., & Roback, H. N.** Cerebral dysgenesis; agnesia. Am. J. Dis. Child., 1939, 57: 371-80.—**Grimaldi, L.** Cellule con due nuclei nel talamo ottico in idiozia grave cerebropatice; sulla polinucleosi degli elementi nervosi. Manicomio, 1926, 39: 291-304.—**Horányi, B.** [Peculiar vascular changes in the brain of idiots] Orv. hetil., 1940, 84: 387-9. Also Arch. Psychiat., Berl., 1940-41, 112: 279-83 (microfilm).—**Inaba, C.** Zur Pathologie der Hirnrinde bei Idiotie. Arb. Neur. Inst. Wien., 1927, 29: 70-96.—**Jakob, A.** Ueber Megalencephalie als Grundlage der Idiotie. Klin. Wschr., 1926, 5: 388.—**Kahle, K.** Zur Frage der Idiotia thymica H. Vogt. Zschr. ges. Neur. Psychiat., 1933, 145: 46-51.—**Keizer, D. P. R.** Mégaloencéphale combinée avec une xérophthalmie chez un nourrisson idiot. Arch. méd. enf., 1933, 36: 301.—**Laubenthal, F.** Ueber einige Sonderformen des angeborenen Schwachsinn (klinischer und erbologischer Beitrag zur Kenntnis der kongenitalen Wortblindheit und Worttaubheit, der Hörstörungen bei Schwachsinnigen und der xerodermisschen Idiotie) Zschr. ges. Neur. Psychiat., 1938, 163: 233-88.—**Pelagatti, V.** Ricerche anatomiche sulle ghiandole endocrine in una bambina con idiozia epilettica e nanosomia. Riv. pat. nerv., 1933, 41: 75-95.—**Peter, K.** Ein weiterer anatomischer Beitrag zur Frage der Megalencephalie und Idiotie. Zschr. ges. Neur. Psychiat., 1928, 113: 298-312.—**Schlüter, K.** Ueber Megalencephalie als Grundlage der Idiotie. Ibid., 1927, 108: 21-40.—**Peters.** Ueber eine bisher nicht beschriebene Veränderung des Schädeldaches bei idiotischen Kindern. Verh. Deut. path. Ges., 1937, 29: 273-7.—**Rabinowitsch, A.** Cytoarchitektonik im Falle von Mikrogyrie. Zschr. ges. Neur. Psychiat., 1933, 144: 650-6.—**Thomas, E.** Ueber das gleichzeitige Auftreten von Idiotie mit Stereotypen, alimentärer Anämie, schweren Wachstums und anderen Störungen. Mschr. Kinderh., 1933, 59: 105-10.—**Vogt, R.** [Case of idiocy from external injury; pathological changes in brain] Norsk mag. lægevid., 1928, 89: 568-70.—**Waggoner, R. W., Lowenberg-Scharenberg, K., & Schilling, M. E.** Agnesia of the white matter with idiocy. Am. J. Ment. Defic., 1942-43, 47: 20-4, 2 pl.—**Wenderowicz, E. L., & Sokolansky, G. G.** Ueber den lissencephalischen (pachy-agryrischen) Idiotismus. Anat. Anz., 1934, 78: 129-55.

— Physiopathology.

Bentivoglio, G. Sulla possibilità di attivare el potere oncolitico, originariamente assente, nel siero del bambino affetto da idiozia congenita. Boll. Ist. sieroter. milan., 1926, 5: 337-48.—**Davenport, C. B., & Martin, B. E.** The deviation of idiot boys from normal boys in bodily proportions. Proc. Am. Ass. Study

Feeble-minded, 1923, 47. session, 32-7.—**Fahrenbruch.** Säuglings-(Magnussche) Reflexe bei einem 7½ Jahre alten Idioten. Psychiat. neur. Wschr., 1933, 35: 529-34.—**Freund & Heidrich.** Striäre Symptome und encephalographische Befunde bei Idioten. Arch. Psychiat., Berl., 1926, 77: 651.—**Jervis, G. A.** Phenylpyruvic oligophrenia. Arch. Neur. Psychiat., Chic., 1937, 38: 944-63. The genetics of phenylpyruvic oligophrenia; a contribution to the study of the influence of heredity on mental defect. J. Ment. Sc., Lond., 1939, 85: 719-62. Also Proc. Am. Ass. Ment. Defic., 1939, 63. Session, No. 2, 13-24.—**Meierhofer, M.** Enthemmtes Wachstum bei Idiotie. J. Psychol. Neur., Lpz., 1938-39, 49: 231-47.—**Nyssen, R.** L'excrétion urinaire d'acide phénylpyruvique chez certains oligophrènes. Bruxelles méd., 1939-40, 20: 131.—**Penrose, L. S.** Inheritance of phenylpyruvic amentia (phenylketonuria) Lancet, Lond., 1935, 2: 192-4.—**Pfersdorff.** Les mouvements des idiots et les mouvements catatoniques. Schweiz. Arch. Neur. Psychiat., 1935, 35: 178-82.—**Schaltenbrand, G., & Frank, E. S.** Ueber einen idiotischen Säugling ohne Stellreflexe und mit sehr wahrscheinlichen tonischen Labyrinthreaktionen auf die Augen (horizontalen kompensatorischen Augenstellungen) Psychiat. neur. bl., Amst., 1926, 30: 252-62, 4 pl.—**Town, C. H.** A study of speech development in 280 idiots and imbeciles. J. Psycho Asthenics, 1913, 17: 7-19.

— Psychology.

LINDEMANN, E. *Untersuchungen über primitive Intelligenzleistungen hochgradig Schwachsinniger und ihr Verhältnis zu den Leistungen von Anthropoiden [Giessen] p.529-69. 8° Berl., 1926.

Also Zschr. ges. Neur. Psychiat., 1926, 104:

Aldrich, C. G. Experimental studies of idiot behavior. Proc. Am. Ass. Study Feeble-minded, 1931, 55. Session, 282-93.—**Doll, E. A.** Problem solving among idiots. J. Comp. Psychol., 1931, 12: 137-69.—**Comparative intelligence of idiots and normal infants.** J. Genet. Psychol., 1931, 39: 227-57.—**Simple conditioning as a method for studying sensory discrimination among idiots.** J. Gen. Psychol., 1932, 7: 104-42.—**Bonnafoos-Sérieux, & Ey, H.** Kinésie de jeu chez les idiots. Ann. méd. psychol., Par., 1938, 96: 74; 145.—**Bozzi, R.** Contributo allo studio della psicologia degli idioti; i deficienti mentali con stato di smarrimento. Note psichiat., Pesaro, 1937, 66: 431-47.—**Clark, L. P.** The psychology of idiocy. Psychoanal. Rev., 1932, 19: 257-69.—**Uniker, T. E.** A psychological study of the nature of the idiot. Arch. Psychoanal., Stamford, 1926-27, 1: 93-137.—**Joseph, H.** Ueber die Hirntätigkeit tiefstehender Idioten. Zschr. ges. Neur. Psychiat., 1930, 128: 179-88.—**Kovalevsky, P. J.** Développement arriéré de l'organisme chez les idiots. Rev. neur., Par., 1926, 33: pt. 2, 77-80.—**Potter, H. W.** An introductory study of the erotic behavior of idiots. J. Nerv. Ment. Dis., 1927, 65: 497-507.—**Sági, F.** [Experimental investigation of eidetismus in idiots] Gyógyászat, 1933, 73: 501-5.—**Tower, J. L.** Disposition of the high grade defective. Psychiat. Q., 1929, 3: 384-9.

— Social aspect.

Aldrich, C. G., & Doll, E. A. Problem-solving among idiots; the use of implements. J. Social Psychol., 1931, 2: 306-36.—**Bassett, D. M., Longwell, S. G., & Von Bulow, H.** Social and occupational competence of idiots. Proc. Am. Ass. Ment. Defic., 1939, 63. Sess., No. 2, 97-102.—**Estabrook, A. H.** The pauper idiot pension in Kentucky. Proc. Am. Ass. Study Feeble-minded, 1928, 52. Sess., 59-61.—**Meltzer, E.** Idiotenanstalten und psychische Hygiene. Zschr. psych. Hyg., 1931, 4: 166-82.—**Morales, N.** The social competence of idiots. Am. J. Ment. Defic., 1942-43, 47: 209-14.—**Werner.** Idiotie, Psychopathie, Schwachsinnigenfürsorge; Bericht über die Literatur, 1934-36. Allg. Zschr. Psychiat., 1936, 101: Lit. H., 176; 1938, 104: Lit. H., 175.

— Treatment and training.

Aldrich, C. G. Lessons in child training gleaned from idiots. Child Develop., 1932, 3: 75-80.—**Fitzgerald, E. J.** Observations on the training of idiots and low grade imbeciles. Ment. Welf., Lond., 1938, 19: 44-51, pl.—**Heath, S. R., jr.** Notes on the care of the low grade mentally deficient child. Training School Bull., 1942-43, 39: 125-7.—**Kawada, T.** Einige grundlegende Methoden der Heilpädagogik, besonders über Anschauungs- und Mathematikunterricht für Idioten. Psychiat. neur. jap., 1938, 42: 14.—**Veith, G. J.** Training the idiot and imbecile. Psychiat. Q., 1927, 1: 70-84.

IDIOGAMY.

See under Coitus, Disorders: Impotence.

IDIOGLOSSIA [incl. idiolalia]

See also Glossolalia; Speech, Disorder; also under names of primary diseases.

Allen, I. M. Speech defects apparently congenital in origin. Brit. J. Child. Dis., 1932, 29: 98.—**Barton Hall, S., & Barton Hall, M.** Auditory imperception, illustrated by description of

3 clinical cases. *J. Neur. Psychopath.*, Lond., 1930, 11: 304.—**McCreedy, E. B.** Defects in the zone of language (word-deafness and word-blindness) and their influence in education and behavior. *Am. J. Psychiat.*, 1926, 6: 267.—**Morison, A. G.** Congenital word-deafness, with some observations on the accompanying idioglossia. *J. Neur. Psychopath.*, Brist., 1930, 11: 28-35.—**Pearson, G. H. J.** Speech defect (word mutilation) and masochism in a traumatic neurosis. *Psychanal. Rev.*, 1936, 23: 46-58.—**Wolf, I. J.** The aetiology of idioglossia. *Arch. Dis. Childh.*, Lond., 1934, 9: 170-6.—**The etiology of dyslalia.** *J. M. Soc. N. Jersey*, 1934, 31: 156.—**Worster-drought, C., & Allen, I. M.** Congenital auditory imperception (congenital word-deafness); and its relation to idioglossia and other speech defects. *J. Neur. Psychopath.*, Lond., 1930, 10: 193.

IDIOPATHY.

See Disease, Causes.

IDIOPASM.

See under Germ plasm.

IDIOSYNCRASY.

See under Allergy; also under names of conditions and of substances eliciting idiosyncratic reaction.

IDIOT.

See under Idiocy; see also Idiot-savant; Imbecility; Mental defective.

IDIOT-SAVANT.

See also Idiocy; Imbecility; Mental deficiency.
Lafora, G. R. Estudio psicológico de una débil mental calculadora del calendario. *Arch. neurol.*, Madr., 1934, 14: 45-70.—**Phillips, A.** Talented imbeciles. *Psychol. Clin.*, 1928-30, 18: 246-55.—**Urbán, L.** [Musical ability in an idiot] *Budapesti orv. ujs.*, 1938, 36: 4 9.—**Weygandt, W.** Talentierte Schwaechsinige und ihre erbgesetzliche Bedeutung. *Mündn. med. Wschr.*, 1938, 85: 12; 61. Also *Zschr. ges. Neur. Psychiat.*, 1938, 161: 532-5.

IDMAN, Gustaf Rudolf, 1857-1927.
Bonsdorff, A. von [Obituary] *Fin. läk. säll. handl.*, 1927, 69: 841-4.

IDOUX, Georges, 1897— *Le rôle du médecin et la thérapeutique médicale dans une crise d'anurie calculuse [Paris] 76p. 8°. Gournay-en-Bray, A. Letresor, 1927.

IDROLOGIA (L') la climatologia e la terapia fisica. Pisa, v.30-33, 1919-22.

Title changed to *Rivista di idrologia, climatologia e terapia fisica*.

IDSON, Georges Richard, 1886— *Dysidrose et dépuratifs. 30p. 8°. Par., Association du Doctorat, 1930.

IFFLAND, Hildegund, 1908— *Die Augenverletzungen in der Tübinger Augenklinik in den Jahren 1930, 1931, 1932 [Tübingen] 23p. 11 8°. Schramberg, Gatzert & Hahn, 1935.

IGARZABAL, José Enrique. Antecedentes, títulos y trabajos. 23p. 23cm. B. Air., Impr. Ferrari, 1941.

IGEA. Roma, Nos. 1-10, 1935.
Title changed to *Attualità medica*.

IGEL, Kurt. *Ueber spätauftretende Lymphadenitis colli bei der Diphtherie [München] 34p. 8°. Günzburg, K. Mayer, 1937.

IGEL, Wilfried, 1907— *Tierexperimentelle Untersuchungen über die leistungssteigernde Wirkung biuret-negativer Milzextrakte auf mesenchymale Funktionen [München] 29p. 8°. Radebeul-Dresd., Kupky & Dietze, 1933.

IGELMUND, Anny, 1904— *Arsenbehandlung bei Psoriasis [Marburg] 22p. 8°. Köln, F. Paffenholz, 1932.

IGERSHEIMER, Josef, 1879— Syphilis und Auge. 514p. 8°. Berl., J. Springer, 1928.

Ferns Teil 2, Bd 17, Handb. Haut. & Geschl. (Judassohn, J.)

IGERT, Maurice. Le problème des guérisseurs. 222p. 1 l. 4 portr. 8°. Par., Vigot frères, 1931.

IGIENE (L') della scuola. Genova, v.10-17, 1919-26.

Ceased publication with v.17.

IGIENE (L') e la vita. Torino, v.2-20, No. 1, 1929-37.

IGIENE (L') moderna. Genova, v.12, 1919-

IGLAUER, Samuel, 1871-

For biography see *J. Omaha Clin. Soc.*, 1942, 3: 102, portr.

IGLESIAS, Manuel S., 1860-

[Biografía; bibliografía] *Rev. méd. veracruz.*, 1941, 21: 3565.

IGLESIAS B., Rigoberto. *Tumores experimentales uterinos y extragenitales provocados por el benzoato de estradiol [Chile] 32p. 26½cm. Santiago, Molina Lackington & cia, 1938.

IGLESIAS Beaumont, Joaquin. *Colesterinemia en las parodontopatías [Chile] 23p. 26½cm. [Santiago] Gutenberg, 1940.

IGLESIAS y Bétancourt, Pedro, 1906-

*Les bactériémies et septicémies consécutives aux chocs médicamenteux; étude clinique et expérimentale. 111p. 24cm. Par., Le François, 1938.

IGLESIAS y de la Torre, Ernesto, 1909-

*Contribución a l'étude des phlébites et des lésions artérielles associées chez les tuberculeux pulmonaires. 60p. 8°. Par., Vigot frères, 1936.

IGLOE, Max Charles, 1901- Go down,

death! a story of facts and figures. iv, 46 l. incl. illust. tab. diagr. 28½cm. Big Rapids, Mich. [n. p.] 1939.

IGNATIA.

See Strychnos.

IGNATOV, Nikolai Konstantinovich, 1870-
Практическое руководство по методике санитарно-гигиенических исследований. 703p. incl. illust. tab. diagr. 23cm. Moskva, State pub. biol. med. lit., 1935.

IGNIPUNCTURE.

See under Caутery.

IGNJATOVIC, Radivoje D., 1903- *Zur Kenntnis des primären Lungsarkoms. 29p. 8°. Rostock, C. Hinstrorf, 1930.

IGRA, Simon, 1904- *Fonctionnement de la consultation de stérilité conjugale; résultats positifs. 53p. 8°. Par., L. Rodstein, 1934.

IGUANODON.

See under Dinosauria.

IHLE, Werner, 1908- *Zur Frage der traumatisch bedingten Halluzinose. 17p. 8°. Berl., H. Michel, 1934.

IHLENFELDT, Günter, 1911- *Die Röntgenbehandlung der Neuralgien. 23p. 22½cm. Freib. i. B., R. Goldschagg, 1936.

IHLOW, Hanns [Georg] 1906- *Ueber Karzinome der Haut, besonders der unteren Extremitäten; vom histologischen Charakter der Basaliome [Heidelberg] 12p. 8°. Würzb., K. Triltsch, 1931.

IHM, Albert, 1877- *Casuistische Zusammenstellung der Fälle von manueller Placentallösung aus der Heidelberger Klinik und Poliklinik speziell unter Berücksichtigung der puerperalen Morbidität [Heidelberg] 26p. 1 l. 8°. Schwetzingen, R. Küenzlen, 1906.

IHM, Karl [Rudolf Erich] 1907- *Die Familie in ihren Entwicklungs- und Erscheinungsformen im allgemeinen und ihr Einfluss auf

das Werden und Vergehen der Völker als Ausgangspunkt für die Beurteilung der Frage der Eheberatung in Deutschland [München] 41p. 21cm. Bottrop i. W., W. Postberg, 1937.

IHM, Katharina, 1906— *Ueber einen Fall von Doppelperforation des Colon sigmoideum durch einen verschluckten Fremdkörper. 24p. 8°. Münch., R. Müller & Steinicke, 1931.

IHM, Luise [Christine Ottilie] 1899— *Zur Frage der Aetiologie der Bronchiektasien im Kindesalter [Jena] p. 170-181. 8°. [Stuttg., F. Enke] 1931.

Also Arch. Kinderh., 1930-31, 92:

IHM, Meta, 1908— *Die Malaria- und Pyrikerbehandlung der Gonorrhöe mit Berücksichtigung der therapeutischen Ergebnisse der Dermatologischen Universitätsklinik München. 14p. 8°. Münch., Bayer. Dr., 1933.

IHM, Wolfgang, 1909— *Ueber die Brauchbarkeit der Friedman-Schneiderschen Schwangerschafts-Schnellreaktion; zugleich ein Beitrag zur Physiologie des Corpus luteum-Hormons [Freiburg] 20p. 21cm. Kallmünz, M. Lassleben, 1937.

IHRE, Bengt Johan Elof, 1902— *Human gastric secretion; a quantitative study of gastric secretion in normal and pathological conditions. 226p. 8°. Stockh., Mercator, 1938. Also another issue, 232p. incl. tab. diagr. 23½cm. Lond., Oxford univ. pr., 1939.

First published as Suppl. 95, Acta med. scand.

IHRINGER, Theodor, 1903— *Die Vereinfachung der Jacketkrone. 28p. 8°. Freib. i. B. [n. pub.] 1927.

IHSAN, Mehmed. *Contribution à l'étude clinique et radiologique des cavernes pulmonaires tuberculeuses. 30p. 8°. Genève, Impr. du Commerce, 1933.

IJIMA, Isao, 1861-1921.

For biography see Kaburaki, T. Rep. Nat. Res. Coun. Japan, 1930, No. 2-3, 56.

See also Ijima, Isao, in 2. ser.

IJIMA, Sigeru, 1869— Kōgan byōron 6 p. l. 202p. 4 pl. 22cm. Kyōto [?] 1913. Back title reads: Grundriss der Marschkrankheit.

IJI-SINBUN; la jurnalo medicina. Tōkyō, No. 1124, 1923—

IKEDA, Singo, 1905— *Bakteriologische Untersuchungen an Mäusetumoren [Leipzig] p. 492-5. 8° Lpz., 1933.

Also Zschr. Krebsforsch., 1933, 39:

IKENBERG, Rudolf, 1899— *Die Sporotrichose de Beurmann. 44p. 21. 8°. Freib. i. B., Studentendr., 1926.

IKHTEIMAN, M. S. Руководство для курсов среднего медицинского персонала. 715p. illust. 25½cm. Moskva, Gosud. izdat. biol. med. lit., 1937.

IKIN, Alice Graham, 1895— Religion and psychotherapy; a plea for co-operation. 139p. 8°. Lond., Student Christ. Movement pr. [1935]

— The background of spiritual healing; psychological and religious. 224p. 8°. Lond., G. Allen & Unwin [1937]

IKONOGRAPHIA dermatologica.

See under Jadassohn, J., & Zieler, K. Ikonographia dermatologica. 37p. illust. pl. 4°. Berl., 1932.

IKONOMOFF, Stefan, 1906— *Das Psicobenyl als Anästhetikum der Mundhöhlenschleimhaut. 24p. 8°. Würzb., K. Triltsch, 1929.

ILBERG, Georg, 1862—

See Laehr, H. Die Anstalten für Psychisch- und Nerven- kranke [etc.] 8°. Berl., 1929.

For Festschrift see Allg. Zschr. Psychiat., 1932, 97: H. 1-4. See also Kürbitz, W. [Biography] Psychiat. neur. Wschr., 1932, 34: 169-71.

ILBERG, Johannes, 1860-1930. Rufus von Ephesos, ein griechischer Arzt in trajanischer Zeit. 53p. 4° Lpz., S. Hirzel, 1930.

Forms No. 1, Bd 41, Abh. Sächs. Akad. Wiss., philol. hist. Kl.

Also editor of Soranus Ephesius. Gynaeciorum libri. 282p. 8° Lpz., 1927.

For portrait see Ann. M. Hist., 1934, n. ser., 6: No. 1, front.

ILEITIS.

See also Enteritis; Ileum, Disease.

Börger, H. Stenosierende Ileitis. Zbl. Chir., 1937, 64: 2772-5.—Cimkhes, I. L. [Mesoleitis] Vest. khir., 1938, 56: 451-4.—Colp, R., Garlock, J., & Ginzburg, L. Ileocolostomy with exclusion for non-specific ileitis. Am. J. Digest. Dis., 1942, 9: 64-8.—Cuccini, F. Sopra l'ileite specifica dell'adolescente e dell'adulto. Q. radiol., Belluno, 1938, n. ser., 3: 328-48.—Dieulaufé, R. Recherches expérimentales sur certaines lésions segmentaires de l'intestin grêle; infarctus hémorragique, gangrène, iléite. Progr. méd., Par., 1939, pt 1, 449.—Erskine, E. B. The pathologic relationship of mesenteric adenitis, ileitis and appendicitis. Am. J. Clin. Path., 1941, 11: 706-12.—Jones, T. E., & Byrne, R. V. Chronic nonspecific granulomatous ileitis; report of 4 cases. Surg. Clin. N. America, 1935, 15: 1035-45.—Kallius, H. U. Ileitis stenosis. Zbl. Chir., 1937, 64: 1026-30.—Kropfeld, S. M. [Chronic ileitis] Ned. tscrh. geneesk., 1934, 78: 5782-6.—Nakazima, T., & Sumigawa, R. Enteritis phlegmonosa; supplement: 2 cases of ileitis phlegmonosa successfully treated. J. Orient. M., Dairen, 1937, 27: 32.—Peters, K. O. Drei weitere Fälle von Darmphlegmone im Ileum. Zbl. Chir., 1934, 61: 1208-16.—Weiss, K. Die Ileitis circumscripta im Röntgenbilde. Fortsch. Röntgenstrahl., 1937, 56. Kongr., 37-9 [Discussion] 42.

— regional (or terminal; Crohn-Ginzburg-Oppenheimer)

See also Enteritis, regional.

BOUTRON, J. R. *L'iléite terminale. 115p. 8° Par., 1938.

SNAPPER, I. Regional ileitis. p.35-81. 28cm. Haarlem, 1938.

STRÖMBECK, J. P. Ileitis terminalis. 59p. 8°. Stockh., 1937.

Alhaque, A. Ileite terminale. Rinasc. med., 1935, 12: 38.—Allen, J. C. B. Crohn's disease. Med. J. Australia, 1939, 1: 831-3.—Bargen, J. A. Regional ileitis. Proc. Interst. Postgrad. M. Ass. N. America (1941) 1942, 192-5.—Dixon, C. F. From the hospitals and laboratories; regional ileitis. Proc. Mayo Clin., 1935, 10: 814-6.—Biederman, M. Regional ileitis. Med. Rec., N. Y., 1937, 146: 528-30.—Bisgard, J. D., & Henske, J. A. Regional ileitis. Crohn. J. Am. M. Ass., 1937, 108: 550.—Bonorino Udaondo, C. Ileitis regionales. Acción méd., B. Air., 1941, 11: 17-20.—Buonomo La Rossa, F. L'enterite non specifica od ileite terminale. Rass. internaz. clin. ter., 1938, 19: 984-90.—Burba, V. [Regional ileitis] Medicina, Kaunas, 1939, 20: 822-5.—Burkell, C. C. Regional ileitis. Univ. Toronto M. J., 1940-41, 18: 79-83.—Capette, L., & Boutron, J. L'iléite terminale aiguë. Rev. méd. fr., 1939, 20: 349.—Christide, E., & Sabaila, I. T. [Terminal ileitis] Rev. st. med., Bucur., 1938, 27: 1007-30.—Colbeck, J. C., Hurst, A. F., & Linott, G. A. M. Regional ileitis, Crohn's disease. Guy's Hosp. Rep., Lond., 1937, 87: 175-86.—Crohn, B. B. Regional ileitis. In Dis. Digest. System (Portis, S. A.) Phila., 1941, 721-9.—Cushway, B. C. Chronic cicatrizing enteritis, regional ileitis (Crohn) Illinois M. J., 1934, 66: 525-33.—D'Arcy, T. N. Regional ileitis. J. R. Nav. M. Serv., 1937, 23: 350.—Downing, W. L., & Allen, C. V. Regional ileitis. J. Iowa M. Soc., 1936, 26: 206-8.—Du Bourguet, P. Ileite terminale aiguë primitive. Mém. Acad. chir., Par., 1939, 65: 177.—Durand, G. Ileite régionale. In: Année méd. prat., Par., 1939, 18: 227-30.—Fabrizio, A. La malattia di Crohn. Rinasc. med., 1939, 16: 505.—Fergusson, J. D. Crohn's disease. S. Thomas Hosp. Gaz., Lond., 1937-38, 36: 499-507.—Goudsmit, J., & Kummer, A. [Regional ileitis] Geneesk. gids, 1935, 13: 673-82, 2 pl.—Graham, W. L. Regional ileitis. Canad. M. Ass. J., 1941, 44: 168-71.—Gregory, R. Regional ileitis. J. Iowa M. Soc., 1936, 26: 640-3.—Groen, J. [Regional ileitis] Ned. tscrh. geneesk., 1935, 79: 3909-16.—Pompen, A. W. M. [Ileitis regionalis] Geneesk. bl., 1935, 33: 169-211.—Hadfield, G. Ileitis regional. Arch. argent. enferm. ap. digest., 1941-42, 17: 335-67.—Hagen, O. J. Regional (terminal) ileitis. Minnesota M., 1936, 19: 766-9.—Hanelin, H. A. Regional or segmental enteritis (ileitis) J. Michigan M. Soc., 1939, 38: 389-93.—Harbitz, H. F. [Ileitis terminalis acuta] Norsk mag. laegevid., 1938, 99: 1305-10.—Hawk, G. W., & Sanford, F. E. Regional ileitis. Guthrie Clin. Bull., 1940-41, 10: 3-15.—Hawkins, R. P., jr. Regional ileitis. West Virginia M. J., 1940, 36: 177.—Hodgson, J. C. Regional ileitis: Crohn's disease. Lancet, Lond., 1937, 1: 926.—Holloway, J. W. Regional ileitis. Clin. Bull. Cleveland, 1939, 3: 11-3. Also Ohio M. J., 1939, 35: 1059-61.—Hurst, A. Regional ileitis. In Brit. Enycl. M. Pract. (Rolleston, H.) 1939, Surveys, 49. — & Linott, G. A. M. Crohn's disease. Ibid., 1937, 3: 508-12.—Iacobovici, I. L'iléite

terminale. *Rev. chir., Bucur.*, 1938, 41: 688-95. Also *România med.*, 1938, 16: 173-5.—**Jackman, W. A.** Terminal ileitis. *Proc. R. Soc. M., Lond.*, 1936-37, 30: 691.—**Junghanns.** Ileitis terminalis. *Klin. Wschr.*, 1940, 19: 1071 (microfilm). Also *Med. Klin., Berl.*, 1940, 36: 1232 (microfilm).—**Kaikini, V. M.** Regional ileitis. *Ind. M. Gaz.*, 1938, 73: 214-8, pl.—**Kantor, J. L.** Regional ileitis. *Pract. Libr. M. & S.* (Appleton) N. Y., 1938, Suppl., 296-304.—**Kinsella, V. J.** Regional ileitis. *Med. J. Australia*, 1937, 1: 834.—**Knapper, C.** [Ileitis terminalis] *Ned. tscrh. geneesk.*, 1936, 80: 4782-92, pl.—**Kristoff, A.** [Terminal (regional) ileitis] *Norsk. mag. lægevid.*, 1938, 99: 192-6.—**Longwood, O. W.** Regional ileitis. *J. Kansas M. Soc.*, 1939, 40: 54-7.—**Marshall, S. F.** Regional ileitis. *N. England J. M.*, 1940, 222: 375-82.—**Méndez, L. A.** Las ileitis terminales. *Monterrey méd.*, 1939, No. 46, 1155-67.—**Meyer-May, J., & Ton-That-Tung.** Les iléites régionales. *Rev. chir., Par.*, 1939, 77: 692-708.—**Mulsow, F. W.** Regional (distal) ileitis. *J. Iowa M. Soc.*, 1936, 26: 561-4.—**Novák, E.** [Ileitis terminalis] *Orv. hetil.*, 1939, 83: mellék., 149-51.—**Olson, O. A.** Regional ileitis. *Minnesota M.*, 1937, 20: 367-70.—**Patel, J.** L'ileite régionale. *Presse méd.*, 1938, 46: 917-20.—**Plătreanu, V. M., & Tănăsescu, I.** [Terminal ileitis] *Spitalul*, 1941, 61: 7-12.—**Pratt, F. W. M., & Simpson, S. L.** Two cases of regional ileitis, Crohn's disease. *Brit. M. J.*, 1942, 1: 634-7.—**Reich, H., & Danz, M.** Regional ileitis. *J. M. Soc. N. Jersey*, 1941, 38: 347-50.—**Riedel, O.** Ileitis regional. *Rev. méd. Chile*, 1939, 67: 603-8.—**Rosenak, B. D.** Inflammatory diseases of the small intestines: so-called regional ileitis. *J. Indiana M. Ass.*, 1937, 30: 568; 596.—**Schuld, F. C.** Regional ileitis. *Minnesota M.*, 1939, 22: 780.—**Shapiro, R.** Regional ileitis; a summary of the literature. *Am. J. M. Sc.*, 1939, 198: 269-92.—**Silvers, H. I.** Terminal ileitis. *Med. World*, 1936, 54: 565.—**Simkurt, M.** [Ileitis terminalis] *Orv. hetil.*, 1940, 84: 583.—**Snapper, I., Pompen, A. W. M., & Groen, J.** Iléite régionale. *Ann. méd., Par.*, 1936, 39: 5-23.—**Strawbridge, R. R.** Regional ileitis. In *Cyclop. Med.* (Piersol-Bortz) Phila., 1940, serv. vol., 170-5.—**Tumen, H. J.** Regional ileitis; a review. *Internat. Clin.*, 1938, n. ser., 2: 274-94.—**Vézina, C., & Jobin, P.** Iléite terminale. *Laval méd.*, 1940, 5: 122-7.—**Yokuon, F. J.** Regional ileitis. *Mil. Surgeon*, 1937, 80: 347-51.—**Wallace, H. C.** Regional ileitis. *J. Indiana M. Ass.*, 1941, 34: 677-81.—**Wilson, A. K., Grinnan, R. B., & Ashburn, H. G.** Regional ileitis. *South. M. J.*, 1942, 35: 881-7.—**Zabaleta, D. E., & Walther Casal, A.** Ileitis regional, enfermedad de Crohn. *Arch. argent. enferm. ap. digest.*, 1937-38, 13: 584-96.

— regional: Cases.

Balmer, G. A propos d'un cas d'iléite terminale. *Rev. méd. Suisse rom.*, 1942, 62: 610-3.—**Bost, T. C.** Regional ileitis; with case report. *North Carolina M. J.*, 1940, 1: 232-5.—**Bréchet, A.** Deux cas d'iléite terminale segmentaire chronique. *Ném. Acad. chir., Par.*, 1939, 65: 555-9.—**Cancelmo, J. J.** Report of a case of regional ileitis. *Am. J. Surg.*, 1938, 42: 433.—**Capette & Bouteron.** A propos de 2 observations d'iléite terminale aiguë. *Mém. Acad. chir., Par.*, 1938, 64: 619-28.—**Cisneros, Bidart Maibrán & Masciotra, R. L.** Iléitis o enteritis regional; comentarios a raíz de una observación. *Bol. Acad. argent. cir.*, 1941, 25: 645-57.—**Couvelaire, R., Grenet, P., & Krug.** Deux observations d'iléite terminale aiguë à forme occlusive. *Mém. Acad. chir., Par.*, 1939, 65: 181-3.—**Errard & Nédelec.** Iléite terminale perforée à colibacille. *Ibid.*, 143-6.—**Frazier, E. B., & Meeker, W. R.** Regional ileitis; clinical report of 2 cases. *South. M. J.*, 1938, 31: 153-8.—**Friedl-Meyer, M.** Kasuistischer Beitrag zur tumorbildenden, ulzerösen, stenosierenden Entzündung des unteren Ileum (Ileitis terminalis) Schweiz. med. Wschr., 1936, 66: 508-12.—**Garlock, J. H.** A case of ileitis with an unusually prolonged course. *J. Mount Sinai Hosp. N. York*, 1939-40, 6: 187-9.—**Gentin.** Un cas d'iléite régionale aiguë gangréneuse primitive. *Rev. méd. Nancy*, 1939, 67: 20-2.—**Green, J. L., & Varner, H. H.** Regional ileitis; case report. *Southwest. M.*, 1941, 25: 117-9.—**Grimes, A. E., & Massie, F. M.** Regional ileitis (with republication of a case reported in 1806) *South. Surgeon*, 1938, 7: 251-61.—**Herbert.** Un cas d'iléite terminale aiguë. *Mém. Acad. chir., Par.*, 1939, 65: 175.—**Heul, J. van der** [Case of chronic intestinal stenosis caused by terminal ileitis] *Geneesk. gids*, 1937, 15: 503-11.—**Horsley, J. S.** Regional ileitis; with report of a case. *Virginia M. Month.*, 1942, 69: 314-7.—**Hurst, A.** Regional ileitis (Crohn's disease) *Guy's Hosp. Rep., Lond.*, 1939, 89: 54-82.—**Johnston, R. C.** Regional ileitis with report of 2 cases. *Indust. M.*, 1937, 6: 67-70.—**Liboro, A., & Nieva, D. E.** Regional ileitis (Crohn's disease) case report. *J. Philippine M. Ass.*, 1940, 20: 441-50, 2 pl.—**Lick, M.** Regional ileitis; a review of the literature and a case report. *Surg. Gyn. Obst.*, 1938, 66: Internat. Abstr. Surg., 340-9.—**Mailier, R.** Acute regional ileitis; a report of 2 cases, with bacteriological findings. *Brit. J. Surg.*, 1937-38, 25: 517-23.—**Mégret, R.** Iléite terminale aiguë primitive chez un enfant de 3 ans. *Mém. Acad. chir., Par.*, 1939, 65: 380-2.—**Mendelsohn, S. N.** Regional ileitis; with report of 3 cases. *J. Med., Cincin.*, 1939-40, 20: 492-4.—**Molina, L.** Sobre un caso de ileitis terminal. *Rev. méd. peru.*, 1937, 9: 558.—**Moschowitz, E.** Terminal ileitis; clinical recovery without operation 4 years after onset. *J. Mount Sinai Hosp. N. York*, 1940-41, 7: 77-80.—**Onhauser, V. F.** A case of terminal ileitis. *Canad. M. Ass. J.*, 1937, 37: 378-80.—**Phillips, K. T.** A case of regional ileitis. *N. England J. M.*, 1934, 211: 457.—**Pierini, A.** Iléitis o enteritis regional; comentarios a raíz de una observación. *Bol. Acad. argent. cir.*,

1941, 25: 600-30. Also *Sem. méd., R. Air.*, 1941, 48: 916-25.—**Polgár, F.** [Case of terminal ileitis] *Orv. hetil.*, 1938, 82: 89.—**Schwabacher, H.** A case of Crohn's disease. *Lancet, Lond.*, 1936, 2: 978-80.—**Smith, A. L.** Regional enteritis, terminal ileitis; review of 13 cases. *Brooklyn Hosp. J.*, 1941, 3: 6-20.—**Sneierson, H.** A tragedy in regional ileitis; a case report with critical discussion. *Med. Times, N. Y.*, 1942, 70: 194-7.—**Ryan, J.** Regional ileitis; résumé of present knowledge and the addition of 22 cases from Broome County, New York. *Am. J. Surg.*, 1941, 52: 424-32.—**Ten Kate, J.** [Two cases of ileitis terminalis] *Ned. tscrh. geneesk.*, 1936, 80: 5660-4.—**Waugh, R. L.** Terminal (regional) ileitis; with report of a case. *Hosp. News, Wash.*, 1938, 5: No. 19, 27-41, 8 fig. Also *Rev. Gastroenter.*, 1939, 6: 281-93.—**Wright, A. D.** Two cases of Crohn's disease. *Tr. M. Soc. London*, 1935, 58: 94-6.

— regional: Diagnosis and prognosis.

Avidon, D. B. [Clinical aspect of regional ileitis] *Vest. khir.*, 1939, 58: 437.—**Barnes, C. G., & Duncan, G. W.** Anaphylactoid purpura simulating acute regional ileitis. *Brit. J. Surg.*, 1941-42, 29: 253-5.—**Brown, P. W., & Donald, C. J., jr.** Prognosis of regional enteritis. *Am. J. Digest. Dis.*, 1942, 9: 87-91.—**Cope, Z.** The diagnosis and treatment of regional ileitis. In: *Mod. Treatm. Yearb.* (Wakeley, C. P. G.) Lond., 1941, 48-52.—**Crohn, B. B.** The prognosis in regional ileitis. *Am. J. Digest. Dis.*, 1936-37, 3: 736-9. Also *J. M. Soc. N. Jersey*, 1937, 34: 320-3.—**Culbertson, C.** Terminal ileitis resembling clinically an ovarian cyst with twisted pedicle. *Am. J. Obst.*, 1934, 28: 456.—**DeCourcy, J. L.** Terminal ileitis simulating acute appendicitis. *J. Med., Cincin.*, 1934, 15: 216.—**Kuhlmann, F., & Rating, B.** Zur klinischen Diagnose der Ileitis terminalis und ihre Behandlung. *Deut. Zschr. Verdauungskr.*, 1940-41, 4: 113-24.—**Valerio, A.** Asindromes da ileitis. *Fol. med., Rio*, 1940, 21: 13-5.

— regional: Etiology.

Blumenthal, J. S., & Berman, R. Terminal ileitis with extension into the cecum following nonperforating abdominal trauma. *Minnesota M.*, 1939, 22: 406-8.—**Cope, Z.** The diagnosis and treatment of regional ileitis. *Med. Press & Circ., Lond.*, 1940, 203: 119-21.—**Hertz, J.** Iléite régionale ou ulcère iléal? *Mém. Acad. chir., Par.*, 1939, 65: 61-4.—**Pumphrey, R. E.** Studies on the etiology of regional ileitis. *Proc. Mayo Clin.*, 1938, 13: 539-41.—**Slany.** Zur Frage der Aetiologie der sogenannten Ileitis terminalis stenosis. *Med. Klin., Berl.*, 1940, 36: 1060 (Abstr.) (microfilm) Also *Deut. Zschr. Chir.*, 1939-40, 253: 495-512 (microfilm)—**Wirts, C. W., jr., & Lyon, B. B. V.** The incidence of regional ileitis. *Am. J. Digest. Dis.*, 1941, 8: 246-8.

— regional: Pathology.

Arnheim, E. E. Regional ileitis with perforation, abscess, and peritonitis. *J. Mount Sinai Hosp. N. York*, 1935-36, 2: 61-3.—**Barstra, D. S., & Kooreman, P. J.** [Rare localization of the so-called ileitis regionalis] *Ned. tscrh. geneesk.*, 1939, 83: 2069-72, 2 pl.—**Beluffi, E. L.** Su un caso di ileite terminale acuta perforativa associata a fibrosioma sottomucoso dell'ileo terminale. *Clin. chir., Milano*, 1940, 43: 65-98.—**Buxtorf, P.** Zur Kenntnis der sogenannten Ileitis terminalis. *Schweiz. med. Wschr.*, 1941, 71: 792-4.—**Celaya, M., & Olguín, V. V.** El papel de la enfermedad de Crohn en la patología abdominal. *Rev. méd. lat. amer.*, B. Air., 1939-40, 25: 1095-109.—**Crohn, B. B.** The broadening conception of regional ileitis. *Am. J. Digest. Dis.*, 1934-35, 1: 97-9.—**Ginzburg, L., & Oppenheimer, G. D.** Regional ileitis; a pathologic and clinical entity. *J. Am. M. Ass.*, 1932, 99: 1323.—**Edwards, H.** Specimen of Crohn's disease. *Tr. M. Soc. London*, 1936, 59: 87.—**Fischer, A. W., & Lürmann.** Ueber eine tumorbildende ulceröse stenosierende und perforierende Entzündung des unteren Ileum. *Arch. klin. Chir.*, 1933, 177: 638-50. [Discussion] 224-7.—**Gishbert, H.** Beitrag zum Krankheitsbild der unspezifischen, unbeschriebenen, phlegmonösen Entzündung des Ileumendes. *Beitr. klin. Chir.*, 1936, 164: 155-9.—**Gómez, L.** Pathological report of case of regional ileitis. *J. Philippine M. Ass.*, 1940, 20: 449, 2 pl.—**Hadfield, G.** The primary histological lesion of regional ileitis. *Lancet, Lond.*, 1939, 2: 773-5.—**Harris, F. I., Bell, G. H., & Brunn, H.** Chronic cicatrizing enteritis; regional ileitis (Crohn) a new surgical entity. *Tr. Pacific Coast Surg. Ass.*, 1933, 8: 120-33.—**Homans, J., & Hass, G. M.** Regional ileitis; a clinical, not a pathological entity. *N. England J. M.*, 1933, 209: 1315-24. Also *Tr. N. England Surg. Soc.*, 1933, 16: 123-49.—**Levine, V.** Terminal ileitis. In *Path. Conf.* (Jaffé, R. H.) Chic., 1940, 846-8.—**Mallory, T. B.** Regional enteritis; Meckel's diverticulum. *N. England J. M.*, 1942, 226: 307-9.—**Merke, F.** Zur Ileitis terminalis. *Schweiz. med. Wschr.*, 1937, 67: 641-3.—**Meyenburg, H.** Demonstrationen zur Ileitis terminalis. *Ibid.*, 1938, 68: 1303.—**Zur pathologischen Anatomie und Pathogenese der Ileitis regionalis, beziehungsweise terminalis.** *S. Ileitis ulcerosa stenosis oder regionale Darmwandphlegmone mit Sitz im Ileum?* *Schweiz. med. Wschr.*, 1938, 68: 677.—**Pessagno, D. J.** Regional ileitis with involvement of the cecum. *South. M. J.*, 1937, 30: 1052-5.—**Plum, P., & Warburg, E.** Hematological changes, especially megalocytosis and anemia, in regional ileitis. *Acta med. scand.*, 1939, 102: 449-75.—**Reichert, F. L., & Mathes, M. E.** Experimental

lymphedema of the intestinal tract and its relation to regional cicatrizing enteritis. *Ann. Surg.*, 1936, 104: 601-16. Also *Tr. Am. Surg. Ass.*, 1936, 54: 128-43.—**Seifert, E.** Das Krankheitsbild der sogenannten Ileitis terminalis. *Zschr. ärztl. Fortbild.*, 1938, 35: 579-81.—**Serafini, G.** Contributo allo studio dell'ileite regionale. *Clinica*, Bologna, 1936, 2: 263-74.—**Tanner, N. C.** The mesentery in Crohn's disease. *Brit. M. J.*, 1942, 1: 739.—**Valdoni, P.** Ulteriore contributo all'ileite segmentaria. *Bagliivi*, 1939, 5: 133-47. Also *Rass. med. sarda*, 1939, 41: 243-52.—**Vos, P. A.** [Chronic phlegmon at the end of the ileum]. *Ned. tscr. geneesk.*, 1935, 79: 3931-4.—**Wahl, Douglas, H. L.** [et al.] A case of atypical regional ileitis with portal and mesenteric thrombosis. *J. Kansas M. Soc.*, 1942, 43: 19-21.—**Ward, C. W.**, & **Thomas, D. T.** Crohn's disease with acute obstruction. *Brit. M. J.*, 1941, 2: 613.

— regional: Radiology.

Anziolotti, A. L'ileite regionale iperplastica ulcerosa; malattia di Crohn-Ginzburg-Oppenheim. *Radiol. med.*, Milano, 1939, 26: 685-719.—**Chrom, S. A.** Terminal ileitis. *Acta radiol.*, Stockh., 1941, 22: 493-500.—**Friedlaender, G.** Regional ileitis. *Brit. J. Radiol.*, 1941, 14: 164-70.—**Jellen, J.** Regional ileitis: a review of 40 cases. *Am. J. Roentg.*, 1937, 37: 190-201.—**Kantor, J. L.** Regional (terminal) ileitis: its roentgen diagnosis. *J. Am. M. Ass.*, 1934, 103: 2016-21.—**Leonida Beluffi, E.** Il quadro radiologico dell'ileite terminale. *Gazz. osp.*, 1939, 60: 707-10.—**Meals, R.**, & **Liljedahl, E. N.** Ileitis. *Radiogr. Clin. Photogr.*, 1942, 18: 22.—**Polgár, F.** Beiträge zur Röntgensymptomatologie der regionalen Ileitis. *Röntgenpraxis*, 1938, 10: 155-60.—**Root, J. C.** The importance of the roentgen examination in the diagnosis of regional ileitis; report of a case. *Cleveland Clin. Q.*, 1939, 6: 146-52.—**Spruill, J.** A review of some features of regional ileitis with report of a case involving approximately 3 feet of the mid-entron. *Am. J. Roentg.*, 1936, 36: 910-20.—**Strömbeck, I. R.** Terminal ileitis and its roentgenpicture. *Gastroenterologia*, Basel, 1941-42, 66: 352 (Abstr.).—**Veltman, A.** Ileitis terminalis. *Röntgenpraxis*, 1937, 9: 465-7.—**Yunich, A. M.**, & **Crohn, B. B.** Atypical regional ileitis; roentgenological limitations. *Am. J. Digest. Dis.*, 1941, 8: 185-8.

— regional: Treatment.

Adams, H. D. Regional ileitis. *Surg. Clin. N. America*, 1937, 17: 763-71; 1721-42.—**Barrington-Ward, L.**, & **Norrish, R. E.** Crohn's disease, or regional ileitis. *Brit. J. Surg.*, 1937-38, 25: 530-7.—**Beluffi, E. L.** L'ileite terminale. *Arch. ital. chir.*, 1939, 56: 1-79.—**Bockus, H. L.**, **Johnson, T. A.**, & **Lee, W. E.** An appraisal of the results of surgically treated chronic regional ileitis. In *Lahey Birthday Vol.*, 1940, 53-83.—**—** & **Lee, W. E.** Regional (terminal) ileitis. *Ann. Surg.*, 1935, 102: 412-21.—**Campo Posada, A.** Ileitis regional; posibilidad de su tratamiento médico. *Rev. med. cir., Barranquilla*, 1941, 8: No. 4, 45-54.—**Capette.** Iléite terminale. *Mém. Acad. chir., Par.*, 1939, 65: 183-6.—**Clute, H. M.** Regional ileitis. *Surg. Clin. N. America*, 1933, 13: 561-7.—**Colp, R.**, & **Ginzburg, L.** Ileocolostomy with exclusion in the treatment of regional ileitis. *N. York State J. M.*, 1941, 41: 982-90.—**Crile, G., Jr.** Inflammatory lesions of the terminal ileum. *Surg. Clin. N. America*, 1939, 19: 1171-84.—**Crohn, B. B.** Regional ileitis. *Am. J. Surg.*, 1939, 46: 74-8. Also *Surg. Gyn. Obst.*, 1939, 68: 314-21.—**Deelman, H. T.** [Resection of the intestine in ileitis terminalis]. *Ned. tscr. geneesk.*, 1935, 79: 2042-54.—**Delangénère, Y.** Iléite régionale aiguë gangréneuse avec résection du grêle chez une malade ayant déjà subi 7 ans auparavant une résection de grêle pour tumeur avec invagination; guérison. *Mém. Acad. chir., Par.*, 1938, 64: 771-4.—**Dickinson, A. M.**, **Vander Veer, A.**, & **Clemmer, J. J.** Acute and chronic cicatrizing enteritis; regional ileitis. *Am. J. Surg.*, 1939, 43: 714-27.—**Forbes, R. D.**, & **Duncan, J.** Some observations on regional ileitis and allied conditions with case reports. *West. J. Surg.*, 1937, 45: 362-7.—**Frey, W.** Ileitis terminalis. *Zbl. Chir.*, 1939, 66: 1760-9.—**Ginzburg, L.**, & **Garlock, J. H.** Regional ileitis. *Ann. Surg.*, 1942, 116: 906-12.—**Gisbertz.** Ist die Radikaloperation der unspezifischen, unbeschriebenen Entzündung des Ileumendes notwendig? *Zbl. Chir.*, 1936, 63: 2687.—**Harris, F. I.**, **Bell, G. H.**, & **Brunn, H.** Chronic cicatrizing enteritis; regional ileitis (Crohn) a new surgical entity. *Surg. Gyn. Obst.*, 1933, 57: 637-45.—**Kapel, O.** Ulceröse stenosierende Entzündung des unteren Ileum. *Deut. Zschr. Chir.*, 1934, 243: 676-86.—**Knapper, C.** Ileitis terminalis. *Arch. klin. Chir.*, 1937, 188: 152-66.—**Koster, H.**, **Kasman, L. P.**, & **Sheinfield, W.** Regional ileitis. *Arch. Surg.*, 1936, 32: 789-809.—**Kross, I.** Terminal ileitis; conservative surgical treatment. *Am. J. Digest. Dis.*, 1938-39, 5: 313.—**Lafourcade, E.** Iléite terminale primitive. *Mém. Acad. chir., Par.*, 1939, 65: 180.—**Langrand.** Iléite terminale. *Ibid.*, 176.—**Meyer-May & Ton-That-Tung.** Deux observations d'iléite régionale et du traitement de cette affection par l'appendicostomie. *Ibid.*, 179.—**Mikeladze, T. B.** [On terminal ileitis (Crohn's disease)]. *Vest. khir.*, 1941, 61: 341-7.—**Mixter, C. G.** Regional ileitis. *Ann. Surg.*, 1935, 102: 674-94. Also *Tr. Am. Surg. Ass.*, 1935, 53: 193-213.—**Muir, E. G.** Terminal ileitis. *Proc. R. Soc. M., Lond.*, 1938-39, 32: Sect. Surg. Proct., 909.—**Palmer, W. L.** Cicatrizing enteritis and regional ileitis. In *Modern Med. Ther.* (Barr, D. P.) Balt., 1940, 2: 2302-5.—**Pemberton, J. deJ.**, & **Brown, P. W.** Regional ileitis. *Ann. Surg.*, 1937, 105: 855-70. Also *Tr. South. Surg. Ass.*, 1936, 49: 170-85.—**Probst, J. G.**, & **Gruenfeld, G. E.** Acute regional ileitis. *Ann. Surg.*, 1936,

103: 273-8.—**Rassieur, L.** Discussion of the surgical aspects of regional ileitis. *Week. Bull. S. Louis M. Soc.*, 1934, 28: 513-6.—**Rhoads, J. E.** The management of regional ileitis and certain other ulcerative lesions of the intestines. *Pennsylvania M. J.*, 1938-39, 42: 1050-3.—**Ryan, T. J.** Acute regional (terminal) ileitis. *Am. J. Surg.*, 1937, 36: 708-10.—**Shearer, J. P.**, & **Jackson, J. T.** Recurrent regional (terminal) ileitis. *Ann. Surg.*, 1937, 106: 459-61.—**Valdoni, P.** Sulla ileite della porzione terminale (ileite regionale). *Policlinico*, 1937, 44: sez. chir., 595-612.—**White, H. E.** Regional ileitis. *South. Surgeon*, 1941, 10: 194-8.

— ulcerosa.

See Ileum, Ulcer.

ILEOCECAL region.

See under Cecum, Ileocecal region; also Ileum.

ILEOCECAL valve.

See under Cecum.

ILEOCOLITIS.

See also Colitis, regional; Ileitis.

Albert, J., & **Abad, M. B.** Unapparent ileocolitis among our children. *J. Philippine Islands M. Ass.*, 1937, 17: 745-56.—**Barrera, B.** Bacteriology and pathology of ileocolitis in children. *Bull. Nat. Res. Coun. Philippines*, 1939, 24: 171. Also *J. Philippine Islands M. Ass.*, 1939, 19: 345-50.—**Baz Dresch, E.** Ileocolitis de la primera infancia. *Tr. Panamer. M. Congr.* (1931) 1933, 3. Congr., 546-52.—**Berg, A. A.** An operative procedure for right-sided ulcerative ileocolitis. *Ann. Surg.*, 1936, 104: 1019-29.—**Erb, I. H.**, & **Farmer, A. W.** Ileocolitis; acute ileocolitis simulating appendicitis and characterized by edema of the ileocecal region and mesenteric glands; its relation to regional ileitis, chronic cicatrizing enteritis. *Surg. Gyn. Obst.*, 1935, 61: 6-14.—**Fainstein, R. S.** [Diagnosis of ileocolitis]. *J. russ. detsk. vozr.*, 1933, 13: 211-8.—**Hansson, C. J.** Chronic, non-specific regional ileocolitis. *Acta radiol.*, Stockh., 1937, 18: 635-42.—**Klingenstein, P.** Colectomy for chronic ileocolitis. *Ann. Surg.*, 1938, 107: 148-51.—**Lee, W. E.** Nonspecific regional ileocolitis. *J. Omaha Clin. Soc.*, 1942, 3: 41-6.—**Poullsson, K. T.** [Chronic ileo-colitis]. *Nord. med.*, 1939, 4: 3036.—**Sison, A. G.**, **Gómez, L.**, & **Santa Cruz, J. Z.** Ileocolitis; clinico-pathological conference. *J. Philippine M. Ass.*, 1941, 21: 410-2.—**Spengler, N. L.** Symptoms, diagnosis and treatment of ileocolitis. *J. Florida M. Ass.*, 1933, 19: 428-30.—**Valdoni, P.** Ileocolite regionale segmentaria. *Policlinico*, 1939, 46: sez. chir., 239-48.—**Witzberger, C. M.**, & **Agerty, H. A.** Apple and pectin-agar diets in treatment of acute ileocolitis in children. *J. Am. Inst. Homeop.*, 1937, 30: 479-84.

ILEOCOLOSTOMY.

See also Colon, Surgery; Colostomy; Enterostomy; Ileum, Surgery; Intestine, Surgery.

Cattell, R. B. Management of ileostomy and colostomy. *Proc. Interst. Postgrad. M. Ass. N. America*, 1939, 67-71.—**Duncombe, M.** Occlusion intestinale post-opératoire traitée par iléocolostomie et injections intraveineuses de sérum salin hypertonique. *Bull. Soc. nat. chir., Par.*, 1929, 54: 1482-5.—**Galli, R.**, & **Bendandi, G.** Studio sperimentale sul trapianto dello sfintere ileo-cecale nelle anastomosi fra tenue e colon. *Arch. ital. chir.*, 1934, 38: 527-74.—**Joske, E. A.** Ileo-colostomy for ileus secondary to appendicectomy. *Med. J. Australia*, 1942, 1: 329.—**Kozoll, D. D.**, & **Necheles, H.** A study of gastrointestinal motility in the dog following ileocolostomy and partial colonic resection. *Surgery*, 1942, 11: 360-73.—**Lake, G. B.** Notes from the International Medical Assembly; ileostomy and colostomy. *Clin. M. & S.*, 1940, 47: 60-3.—**Popesco, A.** Occlusion intestinale; résection d'une portion de 1m.50 de l'intestin, anastomose iléo-transverse; guérison. *Rev. chir., Bueur.*, 1941, 44: 229-32.—**Porzelt, W.** Ringverschluss und Invagination als Spätfolge einer lateralen Ileotransversostomie. *Zbl. Chir.*, 1930, 57: 531-3.—**Rankin, F. W.**, & **Graham, A. S.** Aseptic end-to-side ileocolostomy: clamp method; technique and statistical data. *Ann. Surg.*, 1934, 99: 676-81.—**Ritter, A.** Torsion eines Cecum mobile; Ileocecalresektion; Ileotransversostomie; glatte Heilung. *Schweiz. med. Wschr.*, 1927, 57: 771.—**Steinberg, M. E.** A new method of colostomy and ileostomy. *West. J. Surg.*, 1940, 48: 682-4.—**Taylor, J.** The value of ileo-colostomy in acute intestinal obstruction. *Edinburgh M. J.*, 1927, n. ser., 34: 727-45.—**Weiss, A. G.** A propos de la colisation de l'intestin grêle. *Arch. mal. app. digest.*, Par., 1927, 17: 413-8.

ILEOSIGMOIDOSTOMY.

See also Ileum, Surgery; Intestine, Surgery; Sigmoid, Surgery.

Dixon, C. F. Malfunctioning ileosigmoidal stoma. *Proc. Mayo Clin.*, 1936, 11: 63.—**Lardennois, H.** L'iléo-sigmoidostomie par le procédé de la pince porte-bouton. *Bull. Soc. nat.*

chir., Par., 1935, 61: 514-7.—Mirizzi, P. L. Dos casos de obstrucción intestinal (precoz y tardía) subsiguiente a la apendicetomía de urgencia; ileo-sigmoidostomía; curación. Bol. Soc. cir. B. Aires, 1928, 12: 425-32.—Pasman, R. Dos casos de obstrucción intestinal (precoz y tardía) subsiguiente a la apendicetomía de urgencia; ileo-sigmoidostomía; curación. Ibid., 436-8.

ILEOSTOMY.

See also **Ileocolostomy**; **Ileum**, **Surgery**.

SCHNEIDER, E. *Der Wert der Ileostomie beim akuten Darmverschluss [Heidelberg] 18p. 21cm. Würzb., 1937.

THORY, E. *Contribution à l'étude de l'ileostomie. 191p. 8°. Lyon, 1936.

YOVANOVITCH, B. Y. *Indications, technique et résultats de l'ileostomie dans le traitement des occlusions intestinales post-opératoires. 267p. 8°. Par., 1937.

Borkon, E. L., Templeton, R. D., & Lawson, H. C. The motility of the dog's colon following ileostomy. Am. J. Physiol., 1935, 113: 14.—Cattell, R. B. Closure of ileostomy in ulcerative colitis. Ann. Surg., 1942, 115: 956-68.—Cave, H. W., & Nickel, W. F., jr. Ileostomy. Tr. Am. Surg. Ass., 1940, 58: 265-80.—De Poto, A. A. Some observations and deductions of ileostomy in low acute mechanical obstruction; a report of a series of cases. Am. J. Surg., 1936, 31: 526-32.—Liam, R. A suction tube for ileostomy. N. England J. M., 1937, 216: 345.—MacGuire, D. P. Ileostomy. Am. J. Surg., 1935, 29: 199-201.—Plumley, S. The care of an ileostomy; how one patient worked out his own procedure. Am. J. Nurs., 1939, 39: 257-9.—Pouyanne, L. A propos de l'ileostomie dans le traitement de l'occlusion intestinale post-appendiculaire chez l'enfant. Bordeaux chir., 1938, 9: 95-105.—Schmechel, A. Ueber Indikationsbereich und Erfolg der Ileostomie nach dem Prinzip von Witzel. Deut. Zschr. Chir., 1933, 241: 391-409.—Yovanovitch, B. Y. Indications de l'ileostomie dans le traitement des occlusions intestinales post-opératoires. Progr. méd., 1937, 1714: 1727. — Résultats de l'ileostomie dans le traitement des occlusions intestinales post-opératoires. Ibid., 1833-8. — Technique de l'ileostomie dans le traitement des occlusions intestinales post-opératoires. Ibid., 1761: 1767.

ILETIN.

See **Insulin**.

ILEUM.

See also **Cecum**, **Ileocecal region**; **Cecum**, **Ileocecal valve**; **Intestine**; **Intestine, small**; **Jejunum**.

PEIFFER, L. *Ueber den feineren Bau der Taenia fibrosa ilei [Zürich] p.177-95. 23½cm. Wein., 1937.

Also Anat. Anz., 1938, 86:

Erhart, M. B. Annotações anatómicas; Plieas intestinales na ultima porção do intestino ileo. Rev. biol., S. Paulo, 1933, 4: 98.—Hou-Jensen, H. M. Ueber die Anordnung der Blutgefäße im Intestinum ileum. Zschr. ges. Anat., 1. Abt., 1931, 94: 68-93.—Ioffe, I. L. [Surgical anatomy of blood vessels of the terminal ileum] Vest. khir., 1938, 56: 96-9.

Abnormity.

See also subheading **Meckel's diverticulum**.

Baldzys, J. L. [Duplexity of ileum] Allatorv. lap., 1935, 58: 336.—Barták, F., & Diviš, J. [Ileum duplex] Cas. lék. česk., 1929, 68: 1785-9.—Borrmann, R. Beitrag zu den Darmmissbildungen (Ileum duplex oder intramesenteriales Meckel'sches Divertikel?) Deut. med. Wschr., 1932, 58: 43-5.—Corkill, T. F., & Corkill, H. K. Congenital atresia of the ileum. Austral. N. Zealand J. Surg., 1934, 3: 352-9.—Demmer, F. Atresia ilei; Resectio ileocecalis; Heilung. Arch. klin. Chir., 1927, 147: 471-8.—Donati, M. Sulla anomalia fissata dell'ultima ansa ileale associata a inversione cecale. J. internat. chir., Brux., 1936, 1: 195-218.—Erb, I. H. A rare case of multiple congenital atresia of the ileum with complete separation of a segment of bowel. Am. J. Path., 1926, 2: 137-52.—Johnson, G. D. Congenital narrowing of the ileum; report of a case. J. S. Carolina M. Ass., 1938, 34: 256-9.—Kugelmeier, L. Ileum duplex oder intramesenteriales Meckel'sches Divertikel? ein Beitrag zur Kenntnis der sogenannten Verdoppelungen des Dünnarms. Beitr. path. Anat., 1928, 80: 682-91.—Massabuau, G., & Soulas. Occlusion congénitale du nouveau-né par aplasie intestinale dans sa partie iléo-cæco-colique. Arch. Soc. sc. méd. biol. Montpellier, 1929, 10: 593.—Miller, E. M. Congenital atresia of the ileum. Proc. Inst. M. Chicago, 1942-43, 14: 146.—Moses, E. Atresia of the terminal portion of the ileum, with perforation, in a premature infant. Am. J.

Dis. Child., 1911, 62: 141-3.—Müller, F. Doppelbildung am Ileum. Arch. klin. Chir., 1934, 181: 363-73.—Neuhardt, C. W. Duplication of the ileum with bleeding ulcers. Am. J. Dis. Child., 1941, 62: 1119.—Peterson, L. [Ileum terminale fixatum; anatomical variations, findings at appendicitis operations] Fin. läk. säll. hand., 1930, 72: 341-84.—Roberts, C. W. Congenital anomalies of the ileocolic region with special reference to chronic manifestations. South. Surgeon, 1933, 2: 301-12.—Saxl, N. T. An unusual case of volvulus associated with congenital atresia of the ileum. Am. Med., 1930, 25: 706; 712.

Angioma.

NAUMANN, H. *Ueber einen Fall von Chyl-angioma cavernosum et cysticum intestini ilei (Auszug) [Leipzig] 7p. 8°. Oschatz, 1925.

Christopher, F. Hemangioma of the ileum. Ann. Surg., 1942, 116: 945-7. Also Proc. Inst. M. Chicago, 1942-43, 14: 55.—Michaelsson, E. Case of cavernoma ilei, simulating intussusception, in a child, aged 3 months. Acta chir. scand., 1926-27, 61: 570-4.—Naumann, H. Ueber einen Fall von Chylangioma cavernosum et cysticum intestini ilei. Arch. klin. Chir., 1927, 147: 314-26.—Rosenthal. Cystic lymphangioma of the ileum. In Path. Conf. (Jaffé, R. H.) Chic., 1940, 283.—Sipovsky, P. V. [Case of multiple hemangiomas of the ileum] Arkh. pat. anat., 1941, 7: 104-6.—Weber, H. Invaginatio ileocecalis, bedingt durch ein Haemangioma simplex. Zbl. allg. Path., 1936-37, 66: 33-8.—White, R. J. Hemangioma of the terminal ileum with recurrent hemorrhages from the rectum. South. Surgeon, 1911, 10: 886-90.

Cancer.

See also subheadings (**Carcinoid**; **Sarcoma**)

SCHEID, P. *Zur Kasuistik der Intussusception bei Carcinoma ileocecalis. 26p. 8°. Bonn, 1926.

SÖRENSEN, J. *Ueber 28 Fälle von Carcinom des Ileum und Colon. 82p. 8°. Lpz., 1903.

Black, J. M. Carcinoma of lower end of ileum. Brit. M. J., 1929, 1: 641.—Brickner, W. M., & Milch, H. Carcinoma of the terminal ileum causing sciatica. Internat. Clin., 1926, 36, ser., 4: 238.—Clark, E. D. Carcinoma of the small intestine; report of a case of carcinoma of the ileum. Surg. Gyn. Obst., 1926, 43: 757-63. Also Tr. West. Surg. Ass. (1925) 1926, 35: 303-22.—Coryn. Un cas de cancer de l'iléon. J. chir., Brux., 1928, 27: 254-6.—Desplats. Double rétrécissement serré de l'iléon: épithélioma primitif. J. radiol. élect., 1926, 10: 405-7.—Flynn, J. M. Adenocarcinoma of the ileum. Am. J. Roentg., 1942, 48: 163-6.—Foged, J. Carcinoma ilei mit Invagination. Zbl. Chir., 1931, 58: 1883-5.—Griffith, F. W. Primary carcinoma of the ileum. Ann. Surg., 1939, 109: 785-90. Also Tr. South. Surg. Ass., 1938, 51: 145-50.—Hamlin, E., jr. Hampton, A. O. [et al.] Malignant lymphoma, lymphoblastic type, of ileum. N. England J. M., 1942, 227: 386-8.—Huegro Pino, M., Castellanos, U., & Núñez Núñez, A. Peritonitis por perforación de adenocarcinoma del ileon. Acción méd., B. Air., 1940, 10: 571.—Johannessen, C. [Cases of primary cancer of ileum] Norsk mag. lægevid., 1927, 88: 598-607.—Lanos, J. Epithélioma primitif de l'iléon. Bull. Soc. nat. chir., Par., 1934, 26: 124-31.—Lisa, J. R., & Flanigan, W. T. Carcinoma of the ileum; a case report. Proc. N. York Path. Soc., 1926, 26: 44-6.—Loewenberg, S. A., & Segal, M. Primary carcinoma of the ileum with metastasis to the great omentum; with a discussion of the symptomatology and the report of a case. Rev. Gastroenter., 1941, 8: 193-7.—Lynch, J. M. Primary carcinoma of the ileum. Am. J. Cancer, 1933, 18: 610-5. Also Tr. Am. Proct. Soc., 1931, 32: 145-9.—Mulholland, S. W. Carcinoma of ileocecal junction. Surg. Clin. N. America, 1927, 7: 266-71.—Nixon, J. W. Primary carcinoma of the ileum. South. M. J., 1937, 30: 1049-52.—Probststein, I. G., & Seelig, M. G. Subacute ileocolic intussusception secondary to carcinoma of the ileum. Surg. Gyn. Obst., 1926, 42: 769-71.—Robb, J. J. Carcinoma of the ileum. Brit. J. Surg., 1926-27, 14: 521-4.—Shaak, V. A. [Remote complications after the resection of the ileum in cases of malignant tumors] Vest. khir., 1929, 16: 17: 253-5.—Smith, C. Primary carcinoma of the ileum; report of a case. Proc. Mayo Clin., 1939, 14: 247-9.—Velasco, R. N. Carcinoma perforado del ileon. Rev. san. mil. B. Air., 1942, 41: 402-12.—Verdi, W. F., & Scoville, H. M. Primary carcinoma of the ileum. N. Albany M. Herald, 1926, 35: 34-7.—Volger. Das gemeinsame Vorkommen von Carcinom und Tuberkulose am Ileocecum. Arch. klin. Chir., 1940, 200: 91-5 (microfilm).—Wakeley, C. P. G. Carcinoma of the ileum. Tr. M. Soc. London, 1933, 56: 102.

Carcinoid.

FALK, F. *Ueber ein malignes, stenosierendes und metastasierendes Karzinoid des Ileum. 11p. 8°. Münch., 1925.

Christopher, F. Ileal carcinoid; case report with obstruction, resection, and recovery. Surg. Gyn. Obst., 1934, 58: 903-5. Also Tr. West. Surg. Ass., 1933, 43: 91-102.—Dangremond, G. Obstructive carcinoid of the ileum. Proc. Inst. M.,

Chicago, 1940-41, 13: 330. — Obstructive and metastasizing carcinoid tumors of the ileum. *Am. J. Clin. Path.*, 1942, 12: 223-30. — **Dukes, C., & Mummery, P. L.** Carcinoid tumour of ileum with metastases. *J. Path. Bact.*, Edinb., 1926, 29: 308. — **Humphreys, E. M.** Multiple carcinoid tumors of the ileum with regional metastases: report of 2 cases. *Tr. Chicago Path. Soc.*, 1933, 14: 129. — **Meeker, L. H.** A case of malignant carcinoid of the ileum. *Arch. Path.*, Chic., 1932, 14: 264. — **Merke, F.** Das Karzinoid der untersten Ileumschlinge. *Schweiz. med. Wschr.*, 1937, 67: 639-41. — **Wood, W. Q.** A carcinoid tumour of the lower ileum. *Brit. J. Surg.*, 1935-36, 23: 764-8.

Cyst.

Aitken, R. Y. Cyst of the ileum. *Brit. J. Surg.*, 1930-31, 18: 521-3. — **D'Abreu, A. L.** Enterogenous cyst of the ileum in an infant. *Lancet*, Lond., 1934, 2: 194. — **Forlini, E.** Occlusione intestinale da cisti enteroidi multiloculare dell'angolo ileo-ciecale in un bambino di 4 giorni. *Arch. ostet. gin.*, 1936, 43: 273-90. — **Theis, F. V.** Ileocaecal enterocystoma producing partial intussusception. *Ann. Surg.*, 1928, 87: 676-83.

Disease.

See also Ileitis.

Bosquet, A. *La stase iléale. 209p. 8° Par., 1935.

Bézy, E. [Ileocecopathia] Budapesti orv. ujs., 1934, 32: 580-2. — **Boevé, H. J.** [Case of death caused by an abscess of the lower portion of ileum] Ned. tsehr. geneesk., 1929, 73: 2621. — **Braithwaite, L. R.** The ileo-gastric syndrome. *Brit. J. Surg.*, 1942-43, 30: 15-22. — **Charbonnier, A., & Schauenberg, E.** Un cas de gangrène ischémique primitive de tout l'iléon et d'une partie du colon. *Rev. méd. Suisse rom.*, 1934, 54: 909-38. — **Chiray, M., Bosquet, A., & Le Canuet, R.** La stase iléale. *Presse méd.*, 1936, 44: 818-20. — **Christopher, F.** Necrosis of ileum following pelvic inflammatory disease. *Surg. Clin. N. America*, 1930, 10: 333-5. — **Glasser, S. T.** Idiopathic enterospasm of entire ileum and large bowel. *Am. J. Surg.*, 1936, 33: 108. — **Gray, I., Harten, M., & Walzer, M.** Studies in mucous membrane hypersensitivity; the allergic reaction in the passively sensitized mucous membranes of the ileum and colon in humans. *Ann. Int. M.*, 1939-40, 13: 2050-6. — **Halbertsma, J. J., jr.** Multiple ileumstenose. Ned. tsehr. geneesk., 1926, 70: pt 2, 1366-8. — **Hundling, H. W.** Surgical lesions of the ileo-caecal region of special interest. *J. Tennessee M. Ass.*, 1926-27, 19: 18-23. — **Ibrahim, H.** Bilharzial papilloma of lower end of ileum causing intussusception and under-going malignant change. *J. Egypt. M. Ass.*, 1932, 15: 303. — **Kantor, J. L.** Colon studies; the clinical significance of ileal stasis; its association with colitis. *Am. J. Roentg.*, 1926, 16: 1-9. — **Lefort, A.** Deux observations d'infarctus partiel de l'intestin grêle; une observation d'infarctus iléo-mésentérique dû à hernie étranglée. *Bull. Soc. chir. Paris*, 1935, 27: 495-501. — **Lombard, P.** Sténoses fonctionnelles de la fin du grêle chez le nourrisson. *Lyon chir.*, 1936, 33: 179-83. — **MacKinlay, R.** Hypertrophy of the distal portion of the ileum; with a report on 28 cases. *Lancet*, Lond., 1929, 1: 282-4. Also *Canada Lancet Pract.*, 1929, 72: 49-56. — **Melletti, M.** Lipomatosi con enorme dilatazione ed ipertrofia dell'ileo terminale. *Policlinico*, 1933, 40: sez. prat., 1285-90. — **Merke, F.** Zur Verwachsung der untersten Ileumschlinge. *Schweiz. med. Wschr.*, 1937, 67: 637-9. — **Neugebauer, F.** Phlegmone des Ileums. *Beitr. klin. Chir.*, 1928, 144: 228-30. — **Nichols, A. C., & Glenn, P. M.** Intubation studies of the human small intestine; the bacterial flora of the ileum compared with that of throat and stomach in normal subjects. *J. Lab. Clin. M.*, 1939-40, 25: 388-98. — **Paulson, M.** The bacterial flora and hydrogen-ion concentration of the lower human ileum; the effect of lactose and acidophilus milk administration; and the possible relationship of ileal flora to chronic ulcerative colitis. *Bull. Johns Hopkins Hosp.*, 1929, 44: 315-30. Also *Tr. Am. Gastroenter. Ass.* (1928) 1929, 31: 235-50. — **Plesch, J.** Regurgitatio cololilica. *Zschr. klin. Med.*, 1928, 108: 340-59. — **Porcher, P.** Le signe de l'anse iléale aérique solitaire; quelques observations nouvelles d'acroileite segmentaire symptomatique. *Arch. mal. app. digest.*, Par., 1936, 26: 317-24. — **Rockey, E. W.** Thickening of terminal ileum with mesenteric adenitis in children. *Northwest M.*, 1933, 32: 145-7. — **Storck, A. H.** The terminal ileum; its surgical importance with special consideration of selected lesions. *South. M. J.*, 1938, 31: 1087-91. — **Stout, A. P.** Surgical lesions of the ileum. *J. Missouri M. Ass.*, 1942, 39: 333-5. — **Sumwalt, M., & Krueger, H.** The effect of various distending pressures on the activity of the dog's ileum. In *Rep. Com. Drug Addict.* (U. S. Nat. Res. Coun.) 1941, 825. — **Willis, D. A., Coe, G. C., & Arendt, J.** Spasm of the last ileal loop simulating regional ileitis. *Surgery*, 1940, 7: 226-31.

Diverticulum.

See also subheading Meckel's diverticulum.

Eerland [Volvulus of the ileum with multiple diverticulum] *Fin. läk. säll. hand.*, 1936, 79: 1160. — **Galindez, A., & Bianchi, A.** Divertículos múltiples del ileon. *Bol. Soc. cir. B. Aires*, 1927, 11: 465-71. — **Gilbert, R., & Gleichgewicht.** Images diverticulaires de l'iléon terminal. *Bull. Soc. radiol. méd. France*, 1935, 23: 497-500. — **Koletsky, S.** Ruptured diverticulum of the ileum; case record presenting clinical problems. *Ohio M. J.*, 1941, 37: 1078. — **Lefèvre & Laumonier.** Sur un

cas de diverticules de l'S iliaque. *Bordeaux chir.*, 1935, 6: 382-4. — **Lovisatti, N.** Diverticolo dell'ultima ansa ileale. *Riv. radiol.*, 1930, 2: 663. — **McMurrich, J. P., & Tisdall, F. F.** A remarkable ileal diverticulum. *Anat. Rec.*, 1928, 39: 325-32, 2 pl. — **Reineck, C.** Diverticulites of ileum, acute perforative. *Wisconsin M. J.*, 1927, 26: 205. — **Remijnse, J. G.** [Diverticulosis ilei] Ned. tsehr. geneesk., 1939, 83: 2806-9. — **Vervloet, C. G.** [Gastric and pulmonary abscesses following operation for diverticulum] *Ibid.*, 2809.

Fistula.

Eudel & Guyot. Fistule iléo-vésicale d'origine inflammatoire; cure radicale par voie abdominale. *Rev. gén. clin. théor.*, 1934, 48: Suppl., 2337. — **Fowler, H. A.** Perivesical abscess with rupture into the bladder secondary to intestino-intestinal fistula (sigmoidoileal) a case report. *J. Urol.*, Balt., 1937, 38: 74-80. — **MacFee, W. F.** Prolapsed, complete fistula of ileum associated with incompetence of anal sphincter. *Surg. Clin. N. America*, 1934, 14: 451-6. — **Popper, H. L.** Ein Fall von Ileum-Harnblasenfistel. *Zschr. urol. Chir.*, 1936, 42: 364-6. — **Salghini, L.** Su di un caso di fistola ileo-vesicale di origine tifica. *Osp. maggiore, Milano*, 1935, 23: 364-73.

Granuloma.

Bassler, A. The medical treatment of enteric granulomata (ileitis) and colitis. *Rev. Gastroenter.*, 1938, 5: 150-4. — **Colp, R.** A case of nonspecific granuloma of the terminal ileum and the cecum. *Surg. Clin. N. America*, 1934, 14: 443-9. — **Leonardo, R. A.** Intestinal obstruction due to non-specific ileocecal granuloma. *Am. J. Surg.*, 1937, 35: 607. — **McMillan, F. L.** Ileocecal granulomas. *Illinois M. J.*, 1942, 81: 15-20. — **Malchartzeck, H. W.** Lymphogranulomatose des Ileums. *Röntgenpraxis*, 1940, 12: 179 (microfilm). — **Molesworth, H. W. L.** Granuloma of intestine; stenosis of ileocaecal valve. *Brit. J. Surg.*, 1933, 21: 370-2.

Hernia.

Camacho. Hernia de la S ilíaca a través de la pared abdominal. *Progr. clín. Madr.*, 1919, 13: 265. — **Jackson, F. H.** Hernia of the ileum through a rent in the mesentery. *Am. J. Obst.*, 1922, 3: 527. — **Long, E. R.** Acute intestinal obstruction in a new-born infant from hernia of the lower ileum through a congenital mesenteric opening. *Tr. Chicago Path. Soc.*, 1923-27, 12: 335-7. — **Lorin-Epstein, M. J.** Hernia membrano-intestinalis (Jejuno-ilei) Beitrag zur Lehre der inneren abdominalen Brüche nebst Bemerkungen über die Peritonitis fibrosa chronica incapsulata. *Arch. klin. Chir.*, 1932, 171: 744. — **MacDonnell, H. H.** Hernia of ileum presenting over the thoracic wall. *Lancet*, Lond., 1907, 1: 1710. — **Markheim, H. R.** Hernia of the ileum through a defect in the mesentery. *J. M. Ass. Alabama*, 1940-41, 10: 307-9. — **Roller, C. S.** Hernia of a loop of ileum into the retrocecal fossa, with complete intestinal obstruction. *California West. M.*, 1935, 43: 151-3. — **Stoney, R. A.** Hernia of the iliac colon. *Lancet*, Lond., 1908, 1: 706-9.

Inflammation.

See Ileitis.

Injury.

Burns, B. B. R. Rupture of ileum due to direct violence. *Med. Bull. (Standard Oil Co.) N. Y.*, 1939-41, 4: 127. — **Schlottbauer, C. E.** Stricture of the ileum of a dog, the result of an automobile accident; report of a case. *North Am. Vet.*, 1934, 15: 49. — **Trojan, E.** [Trauma of the ileum] Budapesti orv. ujs., 1933, 31: 25-8.

Invagination.

Arlotta, M. Invaginazione dell'ileo per fibroma mixomatode; enterectomia; guarigione. *Arch. ital. chir.*, 1927, 17: 472-88. — **Atchison, M. M., & Pfohl, A. C.** Chronic intestinal obstruction due to intussusception of the ileum. *J. Iowa M. Soc.*, 1935, 25: 614-6. — **Baderischer, V. A.** Traumatic triple intussusception of the ileum in a child. *J. Am. M. Ass.*, 1939, 112: 422. — **Botsford, T. W., & Newton, F. C.** Intussusception in an adult due to submucous lipoma of the ileum. *Surgery*, 1941, 10: 265-9. — **Cox, M. E., & Parker, E. F.** Myo-epithelial hamartoma of the ileum with intussusception. *Ann. Surg.*, 1942, 116: 355-9. — **Di Paola, G., & Schena, A. T.** Invaginación ileal por pólipos mucosos del delgado; invaginación ileo-cólica por fibromioma del delgado. *Bol. Soc. cir. B. Aires*, 1930, 14: 345-53. — **La Marnierre, de.** A propos de la pathogénie de l'invagination intestinale essentielle: rôle de l'iléite segmentaire. *Mém. Acad. chir.*, Par., 1937, 63: 777-80. — **Lytle, C. C., Fritz, L. H.** Polyp of the ileum with double intussusception. *J. Iowa M. Soc.*, 1935, 25: 207. — **Mendl, K.** Ileitis terminalis als Ursache einer intermittierenden Invaginatio ilica-ileocolica. *Röntgenpraxis*, 1938, 10: 408-10. — **Pryde, A.** Ileal intussusception in an adult. *Med. J. Australia*, 1927, 1: 648. — **Solé, R. Buzzi, A., & Pasman.** A propósito de la invaginación ileal en el adulto. *Bol. Soc. cir. B. Aires*, 1928, 12: 149-54. — **Tendler, M. J.** Chronic intussusception, a case report; prolapse and herniation of proximal and distal loops of terminal ileum following repeated operations. *Memphis M. J.*, 1941, 16: 148-50. — **Zhuravsky, S. I.** [A case of acute invagination of the ileum caused by a fibrous polypus] *Kuban. nauch. med. J.*, 1928, 7: 19-21.

— Invagination, ileocecal.

See also Cecum, Invagination.

Görz, K. *Ueber Darminvagination in der Ileocecalgegend, mit besonderer Berücksichtigung von 10 Fällen aus dem städtischen Krankenhaus Landsberg a. W. in der Zeit von 1914-26. 34p. 8°. Göttingen, 1927.

Holzkil, W. *Ueber Invagination, unter besonderer Berücksichtigung der Ileocecalinvagination und ihres Zusammenhanges mit Mesenterium ileo-colicum commune. 67p. 8°. Königsb., 1933.

Blumenfeld, M. M. [Chronic ileocecal invagination] Vrach. gaz., 1931, 35: 855-7.—Butler d'Ormond, R. de. Polypose du l'iléon; invagination iléo-caecale récidivante; hémicolectomie droite. Bull. Soc. chir. Paris, 1932, 24: 421-7.—Cámara, U. Invaginazione cecale cronica in un bambino di 4 anni; resezione cecoileocolica; guarigione. Gior. Acad. med. Torino, 1926, 4. ser., 32: 143-7.—Castronovo, E. I segni radiologici della invaginazione ileocecale subacuta e cronica. Arch. radiol., Nap., 1928, 4: 79-96. — Il sogno della striscia nella invaginazione ileocecale. Ibid., 413-9.—Contiades, N. J. Invagination iléo-caecale du nouveau-né; lavement opaque. Mém. Acad. chir., Par., 1937, 63: 220-3.—D'Agata, G. A proposito di due casi di invaginazione ileo-caecale in bambini; contributo alla patogenesi e terapia. Arch. ital. chir., 1938, 51: 496-500.—Dervaux. Deux cas d'invagination iléo-caecale opérés et guéris. Bull. Soc. nat. chir., Par., 1926, 52: 607-3.—Eisberg, H. B. Perforation of the cecum resulting in invagination of the small bowel into the large intestine with an ileocecal intussusception within a colic intussusception. Am. J. Surg., 1931, n. ser., 13: 502.—Erukhimovich, A. E. [Roentgen picture in chronic iléo-caecal invagination] Vest. khir., 1939, 57: 422-5.—Forfota, E. [Desinvagination by irigoscopy in a 2-week's old ileocecal invagination] Magy. röntg. közl., 1936, 10: 103-11.—Gáldau, D. [Ileo-caecal invagination diagnosed by X-rays] Cluj. med., 1926, 7: 75.— & Gáspár, N. [Chronic ileocecal invaginations] Ibid., 1931, 12: 335-40.—Goodyear, E. S. Retrograde intussusception of cecum into ileum. N. York State J. M., 1938, 38: 1397.—Harrenstein, R. J. Ueber die Ursache der Schwierigkeiten bei der Aufhebung der Ileocecalen Invagination. Zbl. Chir., 1928, 55: 263-6.—Ileo-caecal intussusception. Brit. J. Surg., 1934-35, 22: 466.—Latouche. Occlusion intestinale aiguë par invagination iléo-caecale. Bull. Soc. nat. chir., Par., 1926, 52: 631-5.—Lavesson, H. Studien über die sogenannte Invaginatio ileocecalis. Acta chir. scand., 1926, 61: 48-90.—Pop, A. [Case of phlegmonous appendicitis due to ileo-caecal invagination of the appendix] Cluj. med., 1938, 19: 13-6.—Ralston, A. J. A case of ileo-caecal invagination. J. R. Army Vet. Corps, 1940-41, 12: 154.—Ileocecal invagination in an Army horse. Vet. Med., Chic., 1942, 37: 409.—Renander, A. Das Röntgenbild bei Darminvaginationen; Fall von chronischer tumorogener Invaginatio iléo-caecalis. Acta radiol., Stockh., 1932, 13: 64-79, pl.—Sasaki, K., & Kim, K. Drei Fälle von partieller Coecumwandinvagination; ein Beitrag zur Kenntnis von Entstehung der Ileo-Coecalinvagination und zugleich zur Arbeit von Dr Köhler: Ein Fall von partieller Invagination des Coecums. Zbl. Chir., 1932, 59: 2802.—Schwartz, I. [Etiology of iléo-caecal invaginations] Vest. khir., 1927, 11: No. 33, 85-7.—Sorrel, E., Mérigot & Corcos. Sur un cas d'invagination iléo-caecale à boudin extériorisé et étranglé à l'anus. Bull. Soc. pédiat. Paris, 1934, 32: 465-70.—Stephens, V. R. Ileocaecal intussusception in infants with special reference to fluoroscopic findings. Surg. Gyn. Obst., 1927, 45: 698-700.—Vaccari, F. Sulla varietà haustra-cecale dell'invaginazione acuta iléo-caecale. Clinica, Bologna, 1936, 2: 109-16.—Vidlická, J. [Intussusception of the ileocecal angle] Bratisl. lek. listy, 1930, 10: 3-13.—Wempe, J. W. N. [Invagination] Genesck. tschr. Ned. Indie, 1941, 81: 2223.

— Invagination, ileocolic.

See also Colon, Intussusception.

STRANGFELD, G. *Ein Fall von Invaginatio iliaca-ileocolica durch einen Polypen. 30p. 8°. Halle, 1928.

Araujo, O. C. de. Sobre um caso de invaginação iléo-ceco-colica no adulto. Rev. med. cir. Brasil, 1934, 42: 152-9, 2 pl.—Bade, H. Ein Fall von chronischer Invaginatio iléo-ceco-colica, ein Beitrag zur Röntgensymptomatologie bei peroraler Passage. Röntgenpraxis, 1938, 10: 96-8.—Bolognesi, G. Invaginamento iléo-ceco-colico. Gior. med. prat., 1936, 18: 443-52.—Bonomini, B. Invaginazione iléo-ceco-colica da lipoma sottomucoso. Radiol. med., Milano, 1939, 26: 1036-40. — Su alcuni casi di invaginazione ileocolica pura. Q. radiol., Belluno, 1937, 8: pt. 2, 30-9.—Brin, H. Invagination subaiguë de l'iléon dans le cæcum et le colon ascendant déterminée par un léiomyome; résection; guérison. Bull. Soc. nat. chir., Par., 1927, 53: 1302.—Cook, J. Ileocolic intussusception of infancy tending to natural cure. Brit. J. Surg., 1936, 24: 612-5.—Covarrubias, A. Invaginación iléo-cólica por tumor del intestino delgado. Bol. Soc. cir. Chile, 1926, 4: 110-6.—De Francesco, F. Tre casi di invaginazione ileoceco-colica. Osp. maggiore, Milano, 1930, 18: 527-32.—DuBose, F. G.

Acute primary ileocolic intussusception in the adult, with report of case. Tr. South. Surg. Ass. (1929) 1930, 42: 166-74, 2 pl.—Ehmark, E., & Zachrisson, C. G. [Chronic iléo-caecal invagination in adults] Sven. läk. tidn., 1938, 35: 2107-23.—Famulari, S. Osservazioni cliniche-anatomiche-radiologiche in un caso di invaginazione cronica iléo-ceco-colica. Minerva med., Tor., 1930, 21: pt. 2, 643-9.—Freudenthal, P. [Chronic ileocolic intussusception with cecum mobile] Hospitalstidende, 1931, 74: 715-22.—Goffi Moreno, I. Invaginación intestinal aguda del lactante, variedad iléo-ceco-colónica total. Arch. argent. enferm. ap. digest., 1937-38, 13: 597-604.—Heeve, W. L., & Goldberg, R. Intussusception; involving distal ileum, appendix, ascending and transverse colon. Am. J. Surg., 1929, n. ser., 7: 861.—Jensen, S. [Case of invagination iléo-colica in the year 1725] Ugeskr. laeger, 1938, 100: 203.—Lachapèle, A. P. Un cas d'invagination iléo-iléo-colique de l'enfant; valeur diagnostique et pronostique du lavement opaque. Bull. Soc. électro-radiol. méd. France, 1938, 26: 424-6.—Laumonier & Lacoste, G. A propos d'une invagination iléo-colique. Bordeaux chir., 1938, 9: 178-80.—Lenarduzzi, G. L'immagine a spirale nell'invaginazione iléo-colica. Atti Congr. ital. radiol. med., 1928, 8: pt. 2, 90-2.—Levin, J. Ileocolic intussusception; diagnosis by X-ray without contrast media. Am. J. Surg., 1941, 54: 494-8.—Massabau, Guibal & Duponnois. A propos de l'invagination intestinale aiguë; intussusception iléo-colique chez un enfant de 3 ans. Bull. Soc. sc. méd. biol. Montpellier, 1926-27, 8: 275-81.—Melazzi, T. B. Contributo allo studio radiologico dell'invaginazione iléo-ceco-colica subacuta. Riv. radiol., 1932-33, 7: 250-8.—Otonello, P. Il valore del segno del Busi (immagine ad anelli) nella diagnosi radiologica di invaginazione intestinale (considerazioni su di un caso di invaginazione iléo-colica) Arch. radiol., Nap., 1931, 7: 216-23.—Picard, Pichat & Thébaud. Pseudo-tumeur mucoïde du cæcum avec invagination chronique iléo-caeco-colique; désinvagination et résection du fond caecal. Arch. mal. app. digest., Par., 1936, 26: 823-9.—Piccinino, G. Un caso di invaginazione iléo-ceco-colica. Arch. radiol., Nap., 1931, 7: 480-89.—Sacco. Invaginación iléal dentro del ceco-colon. Bol. Soc. cir. B. Aires, 1928, 12: 141-5.—Salmon, M. Invaginación aiguë iléo-colique chez un homme de 53 ans; hémicolectomie en quatre temps. Mém. Acad. chir., Par., 1936, 62: 733-9.—Sighinolfi, P. Sull'invaginazione iléo-ceco-colica e iléo-colica a decorso subacuto e cronico. Riv. radiol., 1930, Suppl., 2: 85-112.—Stipa, F. Invaginazione cronica iléo-ceco-colica; studio anatomo-patologico. Arch. ital. anat., 1930, 1: 665-9.—Straus, D. C. Ileocolic intussusception with strangulation of the appendix in 8-month-old infant. Surg. Clin. N. America, 1934, 14: 869-72.

— Invagination, ileo-ileal.

MILLERET, P. *De l'invagination intestinale aiguë de l'adulte dans sa variété iléo-iléale. 75p. 8°. Par., 1928.

Boutreau-Roussel. Invaginazione iléo-iléale de l'adulte produite par un fibro-léio-myome sous-muqueux; résection intestinale et anastomose termino-terminale; guérison. Bull. Soc. nat. chir., Par., 1927, 53: 921-4.—Cioffi, A. Invaginazione retrograda iléale alta da tumore in un fanciullo. Riforma med., 1934, 50: 612-7.—Fèvre, M. Lavement opaque dans l'invagination iléo-iléale. Bull. Soc. pédiat. Paris, 1933, 31: 144-50.—Goffi Moreno, I., & Boffi, C. E. Invaginación intestinal aguda iléo-iléal producida por un pequeño cistoadenoma. Arch. argent. enferm. ap. digest., 1939-40, 15: 70-8.—Maisto, A. J. Invaginación iléo-iléal por tumor inflamatorio de la submucosa en un lactante de 2 meses. Prensa méd. argent., 1934-35, 21: 713-7.—Marri, P. Su di un raro caso di invaginamento abituale iléo-iléale in adulto determinato da adenomi multipli; enterectomia. In Scritti in onore E. Bucci, Nap., 1930, 9: 329.—Picchio, C. Le invaginazioni iléo-iléache e i loro stadi evolutivi nel quadro radiologico. Radiol. med., Milano, 1938, 25: 52-72.—Prim, J. Consideraciones sobre 3 casos de invaginación iléo-iléal aguda en el adulto. Rev. cir. Barcelona, 1933, 5: 515-21.—Trias Pujol, J. Invaginación entérica o iléal. Med. ibera, 1936, 30: 289.

— Meckel's diverticulum.

See also Ileum, Diverticulum; Omphalo-mesenteric duct.

DÜRRIG, H. *Beitrag zur Klinik des Meckel-schen Divertikels. 25p. 8°. Berl., 1937.

Araujo, O. C. de. Diverticulo de Meckel. Rev. méd. cir. Brasil, 1935, 43: 46-55.—Barney, L. F. Meckel's diverticulum. Internat. Clin., 1927, 37. ser., 3: 139-48. Also Month. Bull. Kansas City Clin. Soc., 1927, 3: 31.—Bock, H. Ueber Meckel'sche Divertikel. Zbl. Chir., 1933, 60: 1715-8.—Bunch, G. H. The ubiquitous Meckel's. South. M. & S., 1938, 100: 79.—Carnes, E. H. Meckel's diverticulum. Hosp. News, Wash., 1941, 8: No. 11, 17-23.—Dickinson, A. M. Meckel's diverticulum. Internat. J. M. & S., 1931, 44: 13-5.—Dimitroff, T., & Purkiss, S. Meckel's diverticulum. Bull. Guthrie Clinic, 1932, 2: 76-9.—Dreifuss, A. Das Diverticulum ilei (Meckel'sches Divertikel) Zbl. Med. Chir., 1905, 8: 401; passim.—Eckhoff, N. L. Meckel's diverticulum. Guy's Hosp. Gaz., Lond., 1941, 55: 188-92.—Farr, C. E., & Penke, M. Meckel's diverticulum. Ann. Surg., 1935, 101: 1026-41.—Geisthövel,

W. Das Meckelsche Divertikel. Med. Klin., Berl., 1938, 34: 55-7.—Green, J. A. Meckel's diverticulum. Internat. Surg. Digest, 1930, 10: 259-71.—Greenwald, H. M., & Steiner, M. Meckel's diverticulum in infancy and in childhood. Am. J. Dis. Child., 1931, 42: 1176-97.—Grieve, J. W. Meckel's diverticulum. Med. J. Australia, 1927, 2: 102.—Guthrie, D., & Molsay, D. S. Meckel's diverticulum. Guthrie Clin. Bull., 1938-39, 8: 105-8.—Hall, M. Meckel's diverticulum. J. Kansas M. Soc., 1927, 27: 40-2.—Hardy, G. E. W. Meckel's diverticulum. J. Florida M. Ass., 1933, 19: 417-9.—Harrington, S. W. Meckel's diverticulum. Surg. Clin. N. America, 1929, 9: 126-9.—Heyn, W., & Dönnert, H. R. Zur Klinik und Pathologie des Meckelschen Divertikels. Deut. Militärärz., 1941, 6: 103.—Jackson, A. C. Meckel's diverticulum. Indust. M., 1936, 5: 439.—Klemp. Ueber Meckelsches Divertikel. Deut. med. Wschr., 1927, 53: 1560.—Leonard, H. S. Meckel's diverticulum. Med. Arts, 1932, 35: 688-95.—Little, H. S. Meckel's diverticulum in infancy. Am. J. Dis. Child., 1936, 51: 476.—MacGuire, D. P. Meckel's diverticulum. Brit. M. J., 1935, 1: 1167-9.—Mayo, W. J., & Johnson, A. C. Meckel's diverticulum. Surg. Clin. N. America, 1926, 6: 1127-30.—Morton, J. J. Meckel's diverticulum. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 8: 83-5.—Neff, G. Das Meckelsche Divertikel. Erg. Chir. Orthop., 1937, 30: 227-315.—Noel, W. W. Meckel's diverticulum. Am. J. Surg., 1940, 49: 454-63.—Osius, E. A. Meckel's diverticulum. Rep. Wayne Co. M. Soc., 1933-34, 4: 45-7.—Pontes, A., & Santos, D. Diverticulo de Meckel. Brasil med., 1941, 55: 593-8.—Shannon, W. R. Meckel's diverticulum in infancy and childhood. Arch. Pediat., N. Y., 1928, 45: 693-700.—Stincer, E. El diverticulum de Meckel. Sem. méd., B. Air., 1926, 33: 825-8.

— Meckel's diverticulum: Cancer.

Albright, H. L., & Sprague, J. S. Primary adenocarcinoma in a Meckel's diverticulum. N. England J. M., 1942, 226: 142-6.—Brown, R. Carcinoma of Meckel's diverticulum. Surg. Clin. N. America, 1933, 13: 1283.—Collins, D. C., Collins, F. K., & Andrews, V. L. Ulcerating carcinoid tumor of Meckel's diverticulum; case report. Am. J. Surg., 1938, 40: 454-61.—Dubouché, H., Montpeller, J., & Foissin, J. Leiomyosarcome du diverticule de Meckel. Gaz. méd. France, 1937, 44: gastr., No. 18, 3-5.—Faust, L. S., & Walters, W. Fibrosarcoma of a Meckel's diverticulum producing intestinal hemorrhage. Minnesota M., 1931, 14: 233-6.—Franke, K. Ueber ein primäres Carcinom in einem Meckelschen Divertikel. Zschr. Krebsforsch., 1933, 39: 206-17.—Hertzog, A. J., & Carlson, L. A. Carcinoid of Meckel's diverticulum; report of 2 cases. Arch. Path., Chic., 1935, 20: 587-9.—Liccione, W. T. Malignant tumor of Meckel's diverticulum. Am. J. Surg., 1936, 34: 101-3.—Michael, P., & Bell, H. G. Primary adenocarcinoma arising in a Meckel's diverticulum. Surg. Gyn. Obst., 1932, 54: 95-7.—Nygaard, K. K., & Walters, W. Malignant tumors of Meckel's diverticulum. Proc. Mayo Clin., 1936, 11: 504-6.—Malignant tumors of Meckel's diverticulum; report of a case of leiomyosarcoma. Arch. Surg., 1937, 35: 1159-72.—Price, I. Carcinoid tumour of a Meckel's diverticulum; report of a case. Brit. J. Surg., 1935-36, 23: 30-4.—Skinner, I. C., & Walters, W. Leiomyosarcoma of Meckel's diverticulum, with roentgenologic demonstration of the diverticulum; report of a case. Proc. Mayo Clin., 1939, 14: 102-7.—Voskresensky, N. V. [Cancer of Meckel's diverticulum with perforation] Vest. khir., 1938, 55: 479.—[Case of malignant degeneration of Meckel's diverticulum] Khirurgia, Moskva, 1939, No. 8, 118.—Weir, J. M. Carcinoma of Meckel's diverticulum; report of a case. Arch. Path., Chic., 1937, 24: 791-3.—Weisberg, A. B. [Malignant tumors of Meckel's diverticulum] Khirurgia, Moskva, 1939, No. 11, 141.—Wiseley, A. N. Medullary carcinoma of Meckel's diverticulum. J. Am. M. Ass., 1931, 96: 1949.

— Meckel's diverticulum: Cases.

KOENIG, H. [M.] *Ueber das Meckel'sche Divertikel und seine klinische Bedeutung (nebst Mitteilung von 11 Fällen) [Königsberg] 15p. 22½cm. Würzb., 1937.

Aalkjaer, V. [Case of Meckel's diverticulum containing gastric mucous membrane] Hospitalstidende, 1937, 80: 1219-24.—Bontz, R. Meckelsche Divertikel bei Schafen. Zschr. Fleisch Milchhyg., 1931-32, 42: 50-3.—Christie, A. Meckel's diverticulum; a pathologic study of 63 cases. Am. J. Dis. Child., 1931, 42: 544-53.—Coleman, R. C. Incidence of Meckel's diverticulum. J. Iowa M. Soc., 1926, 16: 238-40.—Conrad, H. A. Meckel's diverticulum; report of 2 cases. Am. J. Surg., 1941, 52: 267-74.—Gleason, R. L. Meckel's diverticulum; case report. Rocky Mountain M. J., 1941, 38: 381.—Goldstein, M., & Cragg, R. W. Elongated Meckel's diverticulum in a child. Am. J. Dis. Child., 1938, 55: 128-34.—Graaf, C. de [Meckel's diverticulum of enormous size in pig] Tschir. diergeneesk., 1932, 59: 512-4.—Greenblatt, R. B., Pund, E. R., & Chaney, R. H. Meckel's diverticulum; an analysis of 18 cases with report of one tumor. Am. J. Surg., 1936, 31: 285-93.—Grimault, L. Diverticule de Meckel géant. Bull. Soc. nat. chir., Par., 1928, 54: 1117-9.—Gutiérrez, A. Consideraciones acerca de un caso de divertículo de Meckel. Bol. Soc. cir. B. Aires, 1928, 12: 40-4.—Hudson, H. W., jr. Giant diverticula or reduplications of the intestinal tract; report of 3

cases. N. England J. M., 1935, 213: 1123-31. — Meckel's diverticulum in children; second clinical and pathologic study with a report of 13 additional cases. Ibid., 1933, 208: 525-35. — & Koplik, L. H. Meckel's diverticulum in children; a clinical and pathologic study, with a report of 32 cases. Ibid., 1932, 206: 827-40.—Juras, A., & St. Onge, G. Le diverticule de Meckel; revue clinique et radiologique à propos de 3 observations. J. Hôtel Dieu Montréal, 1940, 9: 313-37.—Karapetian, M. A. [Cases of Meckel's diverticulum] Nov. khir. arkh., 1936, 36: 109.—Kelley, H. L. Meckel's diverticulum; a surgical anomaly, with report of 2 cases. U. S. Nav. M. Bull., 1929, 27: 366-70.—Kelly, J. L. Meckel's diverticulum in sac of ventral incisional hernia; report of case. Wisconsin M. J., 1937, 36: 733.—McEuen, C. S. A case of Meckel's diverticulum. Lancet, Lond., 1927, 1: 436.—Mackenzie, J. A. An unusual case of Meckel's diverticulum. Ibid., 1935, 1: 1388.—McSwain, B. Meckel's diverticulum, with report of 5 cases. J. Tennessee M. Ass., 1938, 31: 209-15.—Moll, H. H. Giant Meckel's diverticulum (3¾ inches long) Brit. J. Surg., 1926-27, 14: 176-9.—Moore, P., & Martin, R. H. Un cas de diverticule de Meckel. Ann. anat. path., Par., 1932, 9: 1036.—Palmer, D. W. Meckel's diverticulum, with reports of cases. J. Med., Cincin., 1928-29, 9: 21-7.—Pemberton, J. de J., & Stalker, L. K. Meckel's diverticulum; a review of 20 cases with report of 2 cases. Surgery, 1938, 3: 563-7.—Peters, K. O. Zur Kasuistik des Meckel'schen Divertikels. Zbl. Chir., 1939, 66: 2065-7.—Reed, J. C. An unusual type of Meckel's diverticulum. J. Coll. Surgeons Australasia, 1931, 3: 396.—Rentscher, C. B. Persistence of Meckel's diverticulum; report of a case. Arch. Surg., 1940, 40: 694.—Robinson, S. A gross Meckel's diverticulum. Tr. Pacific Coast Surg. Ass., 1933, 8: 134-43. — Also West. J. Surg., 1933, 41: 285-91.—Rygh, E. A. Meckel's diverticulum; report of a case presenting unusual symptoms. J. Lancet, 1929, 49: 299.—Struthers, J. W. Diverticulum ilei (Meckel) within the layers of the mesentery. Edinburgh M. J., 1930, n. ser., 37: 403-8, 2 pl.—Trocki, F. Ein Fall von Meckel'schem Divertikel. Zbl. Chir., 1929, 56: 2139.—Warren, C. W. Meckel's diverticulum, with report of a case. Clifton M. Bull., 1926-27, 12: 28-31.—Wilson, H. Meckel's diverticulum; with a report of 12 cases. Am. J. Surg., 1942, 56: 614-8.—Yamao, O. Ueber das Vorkommen des Meckel'schen Divertikels bei den Japanern. Fol. anat. jap., 1932, 10: 515.—Yates, H. B. A remarkable Meckel's diverticulum. Brit. J. Surg., 1929-30, 17: 456-62.

— Meckel's diverticulum: Complication.

See also subheading Meckel's diverticulum: Ileus.

Black, W. C., & Packard, G. B. Surgical complications resulting from the presence of heterotopic tissue in Meckel's diverticulum. Rocky Mountain M. J., 1938, 35: 859-63.—Del Valle. Diverticulo de Meckel y abdomen agudo. Bol. Acad. argent. cir., 1942, 26: 596.—Doolin, W. Acute abdominal emergencies due to the presence of Meckel's diverticulum. Irish J. M. Sc., 1929, 6. ser., 299-305. — Also Med. Press & Circ., Lond., 1929, n. ser., 128: 234-8.—Eckhoff, N. L. An unusual complication of a persistent Meckel's diverticulum. Guy's Hosp. Rep., Lond., 1926, 76: 429-32.—Erb, I. H. Complications of Meckel's diverticulum. Am. J. Dis. Child., 1936, 51: 476.—Everhart, M. W. The complications of Meckel's diverticulum in infancy and childhood; with an analysis of 14 cases. J. Pediat., S. Louis, 1940, 17: 483-9.—Finger, H. Beitrag zur Entstehung von sekundären Anämien, chronische hypochrome Anämie bei Meckelschem Divertikel. Med. Klin., Berl., 1940, 36: 1161 (microfilm)—Fontaine, R., & Bauer, R. Aiguille arrêtée dans un diverticule de Meckel; extraction avec résection du diverticule; guérison. Rev. chir., Par., 1933, 71: 71-4.—Gerlach, W. Ueber Meckelsches Divertikel und Gallensteine. Zbl. allg. Path., 1934, 61: 84.—Goñi Moreno, I. Prolapso umbilical del divertículo de Meckel en el recién nacido. Arch. argent. enferm. ap. digest., 1941-42, 17: 72-6.—Grevillius, A. Intestinal calculi in a Meckel's diverticulum. Acta chir. scand., 1940, 84: 37-42.—Haberer, H. von. Beobachtungen über Komplikationen von seiten des Meckelschen Divertikels. Deut. Zschr. Chir., 1930, 225: 131-44.—Hanke, H. Ueber Meckelsches Divertikel und Gallensteine. Zbl. allg. Path., 1933, 57: 161-3.—Jorge, J. M., & De Nicola, C. P. Diverticulo de Meckel y abdomen agudo. Bol. Acad. argent. cir., 1942, 26: 571-81.—Mallory, T. B. Obstruction of small bowel; congenital adhesive band; gangrene of Meckel's diverticulum. N. England J. M., 1942, 226: 239-41.—Marshall, J. F. Meckel's diverticulum and its complications. North Carolina M. J., 1942, 3: 192-5.—Michael, P. Tuberculosis of Meckel's diverticulum. Arch. Surg., 1932, 25: 1152-6.—Miller, R. H., & Wallace, R. H. Meckel's diverticulum in acute abdominal emergencies. Ann. Surg., 1933, 98: 713-21.—Neumann, E. Verschiedene Komplikationen durch Meckelsche Divertikel. Münch. med. Wschr., 1935, 82: 655-7.—Palmer, D. W. Complications of Meckel's diverticulum; report of 2 cases. Tr. Ass. Physicians Mayo Clin. (1925) 1926, 6: 159-66.—Pasman, Ruiz Moreno, M., & Allende, C. I. Diverticulo de Meckel y abdomen agudo. Bol. Acad. argent. cir., 1942, 26: 628-31.—Peretzki, W. Ueber Komplikationen des Meckel'schen Divertikels. Zbl. Chir., 1933, 60: 145-7.—Popesco-Urlieni, M., & Bordsos, S. Communication anormale par un canal (diverticule de Meckel?) entre 2 anses d'intestin grêle. Rev. chir., Bucur., 1938, 41: 375-8.—Riggen, G. H. Appendicitis aguda y divertículo de

Meckel. *Rev. cir. Hosp. Juárez, Méx.*, 1934, 5: 116-21.—**Ruge, E.** Das Meckelsche Divertikel; Komplikationen, Tumoren, Heterotopien und peptische Geschwüre. *Med. Welt*, 1934, 8: 645-689.—**Schullinger, R. N., & Stout, A. P.** Meckel's diverticulum; report of a case of hemorrhage in the bowel associated with a Meckel's diverticulum that presented an adenoma composed of gastric and duodenal glands. *Arch. Surg.*, 1934, 28: 440-66.—**Starling, H. J.** Severe melanoma from a polyp of Meckel's diverticulum. *Guy's Hosp. Rep., Lond.*, 1935, 85: 207.—**Tavernier & Fouzet.** Prolapsus de diverticule de Meckel et de l'intestin grêle chez un nouveau-né. *Lyon chir.*, 1933, 30: 746.—**Veksler, G. J.** [Cases of prolapse of Meckel's diverticulum] *Nov. khir. arkh.*, 1936, 36: 279-81.—**Winkelbauer, A.** Ueber die chirurgischen Erkrankungen des Meckelschen Divertikels. *Wien. klin. Wschr.*, 1929, 42: 989-93.—**Zabludovski, A. M.** Sluchai omerivleniya Meckel'eva divertikula. *Khirurgija, Moskva*, 1912, 32: 688-90.

— Meckel's diverticulum: Diagnosis and symptoms.

MÜLLER, B. *Gesundheitsstörungen durch Meckelsche Divertikel; Bericht nach den Krankheitsfällen der Würzburger Klinik, 1924-34. 24p. 8°. Würzb., 1936.

Abt, I. A., & Strauss, A. A. Meckel's diverticulum as a cause of intestinal hemorrhage. *J. Am. M. Ass.*, 1926, 87: 991-6.—**Baker, A. H.** Meckel's diverticulum as the cause of acute symptoms. *Brit. M. J.*, 1931, 1: 262.—**Biérent, P.** Hémorragies intestinales par diverticule de Meckel. *Mém. Acad. chir., Par.*, 1937, 63: 1160-3.—**Butler, G.** Le diverticule de Meckel; sur quelques caractères à utiliser dans le diagnostic anatomique. *Fol. anat. Univ. comtabr.*, 1926, 1: No. 12, 1-118. 9 pl.—**Chesternan, J. T.** Haemorrhage per rectum as an indication of disease in a Meckel's diverticulum. *Brit. J. Surg.*, 1935-36, 23: 267-73.—**Clark, D. F.** Hemorrhagic Meckel's diverticulum. *Am. J. Surg.*, 1933, 22: 308-11.—**Collins, D. C.** The acute abdomen caused by a Meckel's diverticulum. *Canad. M. Ass. J.*, 1937, 37: 564.—**Conti, G.** Rileve diagnostico-clinici sul diverticolo di Meckel. *Clinica, Bologna*, 1936, 2: 224-32.—**Crawford, F. R.** Report of a case of hemorrhage from a Meckel's diverticulum. *Virginia M. Monthl.*, 1941, 68: 219-21.—**Eerland, L. D.** [Meckel's diverticulum] *Geneesk. tschr. Ned. Indië*, 1910, 80: 1054-64. pl.—**Ehrenpreis, B.** The Roentgen diagnosis of Meckel's diverticulum. *Am. J. Roentg.*, 1939, 42: 280-4.—**Faust, L. S.** Meckel's diverticulum with unusual clinical manifestations. *Med. Clin. N. America*, 1932, 15: 1483-9.—**Feyre, M.** Les manifestations cliniques du diverticule de Meckel. *Gaz. méd. France*, 1932, 231-5.—**Foucault, P.** A propos de la radiographie du diverticule de Meckel. *Mém. Acad. chir., Par.*, 1938, 64: 313-8.—**Gabriel, W. B.** Meckel's diverticulum causing severe recurrent haemorrhage from the bowel. *Proc. R. Soc. M., Lond.*, 1936-37, 30: 1220.—**Harrenstein, R. J.** [Attack without apparent symptoms of Meckel's diverticulum] *Msehr. kindergeneesk.*, 1933, 3: 91-101.—**Higgins, R. A., & Gundy, J. E.** Hemorrhage from Meckel's diverticulum. *J. Pediat., St. Louis*, 1937, 11: 563-7.—**Klingenhagen, H.** Blutungen aus dem Meckelschen Divertikel im Säuglings- und Kleinkindesalter. *Chirurg*, 1936, 8: 650.—**Ledoux, A. C.** Meckel's diverticulum. *Radiology*, 1942, 38: 728.—**Martin Du Pan, C., & Perrot, A.** Les manifestations cliniques du diverticule de Meckel. *Rev. méd. Suisse rom.*, 1935, 55: 680-96.—**Meeray, P. M., Ristine, E. R., & Gunter, J. U.** Abdominal emergencies associated with Meckel's diverticulum; report of a case. *J. M. Soc. N. Jersey*, 1937, 34: 384-6.—**Miller, R. H., & Wallace, R. H.** Meckel's diverticulum in acute abdominal emergencies. *Tr. Am. Surg. Ass.*, 1933, 51: 234-42.—**Moseley, H. F.** Severe haemorrhage from a Meckel's diverticulum. *Lancet, Lond.*, 1938, 1: 945.—**Osterlin, M. L.** Gross intestinal hemorrhage due to pathologic condition in Meckel's diverticulum in 2 infants under 1 year of age. *Am. J. Dis. Child.*, 1939, 58: 1354.—**Peterman, M. G., & Seeger, S. J.** Meckel's diverticulum with hemorrhage. *Ibid.*, 1928, 36: 515-22. Also *Tr. Ass. Physicians Mayo Clin.* (1928) 1929, 9: 154-9.—**Pfahler, G. E.** The roentgenological diagnosis of Meckel's diverticulum. *Surg. Gyn. Obst.*, 1934, 59: 929-34.—**Prévôt, R.** Meckelsches Divertikel im Röntgenbild. *Röntgenpraxis*, 1936, 8: 397.—**Shapiro, B., & Tosti, V. G.** Hemorrhage from Meckel's diverticulum; report of 4 cases. *Arch. Pediat.*, N. Y., 1942, 59: 295-302.—**Sotomoro, R.** [Case for diagnosis] *Geneesk. tschr. Ned. Indië*, 1936, 76: 771-8.—**Talley, L. R.** Meckel's diverticulum and its symptomatology. *Texas J. M.*, 1933, 29: 380-3.—**Terrien, E.** Hémorragies intestinales de l'enfant et diverticule de Meckel. *Rev. gén. clin. théor.*, 1934, 48: 772-4.—**Tisdall, F. F.** An unusual Meckel's diverticulum as a cause of intestinal hemorrhage. *Am. J. Dis. Child.*, 1928, 36: 1218-23.—**Weiner, S. B., & Seley, G. P.** Bleeding Meckel's diverticulum in a 10-months' old infant. *J. Mount Sinai Hosp. N. York*, 1938-39, 5: 620-6.

— Meckel's diverticulum: Herniation.

KELLERSMANN, A. *Beitrag zur Kenntnis des Meckelschen Divertikels unter Berücksichtigung eines Falles, in dem es den Inhalt einer Schenkelhernie bildete. 23p. 8°. Lpz., 1926.

PÉRIER, F. *A propos des complications du diverticule de Meckel; la hernie de Littré en particulier. 42p. 24cm. Par., 1938.

Bani, U. Occlusion intestinale da diverticolo di Meckel in sacco di ernia inguinale obliqua esterna destra (ernia strozzata) Policlinico, 1929, 36: sez. prat., 195.—**Bianchi, G.** Contributo allo studio delle ernie del diverticolo di Meckel. *Gazz. osp.*, 1927, 48: 651-5.—**Carlo, O.** Contributo allo studio delle ernie del diverticolo di Meckel. *Ibid.*, 1913-5.—**Donato, G. S.** Strozzamento, in ernia crurale destra, del diverticolo di Meckel. *Policlinico*, 1931, 38: sez. chir., 278-87.—**Gray, H. K.** Meckel's diverticulum in a hernia; report of a case. *Minnesota M.*, 1934, 17: 68-70.—**Lind, S. C.** Littré's hernia—a Meckel's diverticulum in a hernia sac with report of a case. *Ohio M. J.*, 1933, 29: 549-53.—**Mason, G.** A note on the association of Meckel's diverticulum with hernia. *Newcastle M. J.*, 1933, 13: 72-80.—**Nobili, U.** Di una rara modalità di occlusione intestinale da diverticolo di Meckel in una fessura del mesenterico. *Policlinico*, 1930, 37: sez. prat., 171-3.—**Perrinon de Troyes & Du Bourguet.** Etranglement d'un diverticule de Meckel bourré de corps étrangers dans un sac de hernie inguinale congénitale; résection en coin du diverticule. *Mém. Acad. chir., Par.*, 1937, 63: 681-6.—**Quiri, A.** Occlusion da diverticolo di Meckel in un sacco di ernia crurale. *Arch. ital. chir.*, 1938, 54: 16-23.—**Sweet, R. H.** Incarceration of a Meckel's diverticulum in a femoral hernia; a report of a case with a review of the literature. *N. England J. M.*, 1930, 202: 997.

— Meckel's diverticulum: Ileus.

GROSSMANN, G. *Die chirurgischen Komplikationen des Meckelschen Divertikels unter Berücksichtigung eines Falles von Ileus [Berlin] 31p. 21cm. Speyer a. Rh., 1938.

MAXIMIN, R. *Contribution à l'étude de l'occlusion intestinale par diverticule de Meckel 64p. 8°. Par., 1929.

THEURER, E. *Ueber einen im Säuglingsalter erfolgreich operierten Fall von Ileus, hervorgerufen durch ein Meckelsches Divertikel [München] 31p. 8°. Marbach-Neckar, 1935.

UDE, F. *Ileus durch Meckel'sches Divertikel; drei Fälle aus der chirurgischen Universitätsklinik zu Halle (Saale) [Halle-Wittenberg] 16p. 8°. Bleicherode, 1935.

Andreoletti, G. Nodo del diverticolo di Meckel libero causa di occlusione intestinale acuta. *Minerva med., Tor.*, 1933, 24: 20-4.—**Arrigoni, C.** Contributo allo studio del diverticolo di Meckel come causa di occlusione intestinale. *Clin. chir., Milano*, 1926, 29: 338-46.—**Bhutta, N. A.** Acute obstruction caused by Meckel's diverticulum. *Ind. M. Gaz.*, 1940, 75: 96.—**Bianchetti, C. F.** Ancora sull'ileo acuto da diverticolo di Meckel. *Osp. maggiore Novara*, 1932, 9: 223-9.—**Bloch, J. C.** Deux cas de rétrécissement de l'intestin grêle en amont d'un volumineux diverticule de Meckel; diverticulo-anastomose; guérison. *Bull. Soc. nat. chir., Par.*, 1928, 54: 1227-32.—**Bonelli, P. M.** Un caso de obstrucción intestinal por invaginación en comparación con otro por divertículo de Meckel con exposición de ambos especímenes. *Bol. As. méd. Puerto Rico*, 1928, 21: No. 166, 11-4.—**Botta-Micca, A.** Occlusione intestinale da diverticolo di Meckel. *Minerva med., Tor.*, 1932, 23: pt 2, 247.—**Bresadola, V.** Occlusion intestinale acuta da diverticolo di Meckel. *Gior. med. mil.*, 1939, 87: 398-404.—**Calegari, L.** Occlusione da diverticolo di Meckel. *Minerva med., Tor.*, 1937, 28: 435-9.—**Cathala, J., Martrou, P., & Gras, L.** Occlusion intestinale par diverticule de Meckel, à forme fébrile. *Bull. Soc. pédiat. Paris*, 1939, 37: 92-6.—**Costa, L.** Contributo clinico alla chirurgia delle occlusioni intestinali da diverticolo di Meckel. *Gazz. osp.*, 1938, 59: 369-71.—**Csik, J.** [Ileus due to Meckel's diverticulum] *Budapesti orv. ujs.*, 1929, 27: 1501.—**Díaz Bobillo, I.** Occlusion intestinal por divertículo de Meckel. *Prensa méd. argent.*, 1936, 23: 1165-86.—**Dónovan, R. E.** Occlusion intestinal por divertículo de Meckel. *Bol. Soc. cir. B. Aires*, 1935, 19: 787.—**Bueno, R.** Occlusion intestinal por divertículo de Meckel. *Ibid.*, 416-26. Also *Sem. méd.*, B. Air., 1935, 42: pt 2, 1310-4.—**Edwards, R. R.** Meckel's diverticulum as a cause of intestinal obstruction. *J. Iowa M. Soc.*, 1939, 29: 559-61.—**Finny, C. M.** A case of obstruction due to a Meckel's diverticulum. *Brit. J. Surg.*, 1927-28, 15: 329.—**Gambao, M.** Occlusion intestinal por divertículo de Meckel. *Bol. Soc. cir. B. Aires*, 1935, 19: 428-36.—**Garrigues.** Occlusion intestinale par diverticule de Meckel. *Bull. Soc. nat. chir., Par.*, 1927, 53: 748-50.—**Guibal, A., Fayot & Henriot.** Occlusion intestinale par diverticule de Meckel. *Arch. Soc. sc. méd. biol. Montpellier*, 1929, 10: 543-6.—**Guipponi, E.** Occlusion intestinale da diverticolo di Meckel. *Policlinico*, 1935, 42: sez. prat., 707-12.—**Kaufmann, E.** [Role of Meckel's diverticulum in pathogenesis of intestinal obstruction] *Orv. hetil.*, 1935, 79: 967-70.—**Kiakso, A.** [Meckel's diverticulum as cause of intestinal occlusion] *Lek. wojsk.*, 1930, 16: 32-4.—**Kingreen, O.** Zur Operation des durch ein Meckelsches Divertikel hervorgerufenen Ileus. *Deut. med. Wschr.*, 1927, 53: 197.—**Kisman, M.** [Two cases of ileus due to Meckel's diverticulum]

Ned. tchr. gencesk., 1927, 71: 144.—**Lawson, R. S.** Intestinal obstruction associated with Meckel's diverticulum. Med. J. Australia, 1939, 2: 251.—**Leo, C.** La depressione ombelicale quale sintoma proprio di alcune forme di ileo da diverticolo di Meckel; suo valore diagnostico, prognostico e terapeutico. Arch. ital. chir., 1931, 28: 531-45.—**Leo, E.** Complessa occlusione intestinale da diverticolo di Meckel. Arch. Soc. ital. chir., 1933, 39: 943-6. Also Clin. chir., Milano, 1933, n. ser., 9: 38-53.—**Lo Cascio, V.** Occlusione intestinale da diverticolo di Meckel. In Scritti in onore E. Bucci, Nap., 1930, 9: 309.—**Macenko, P. A.** [Intestinal obstruction due to Meckel's diverticulum] Med. biull., Irkutsk, 1939, No. 3, 121-5.—**Macara, J. M., Crisculo, E. F., & Martinez Córdoba, F.** A propósito de un caso de occlusión intestinal por divertículo de Meckel. Sem. méd., B. Air., 1938, 45: pt 2, 205-8.—**Maciulis, S.** [Meckel's diverticulum with obstruction of the intestines] Medicina, Kaunas, 1932, 13: 351-3.—**Majocchi, A.** Il diverticolo di Meckel nella genesi della occlusione intestinale. Osp. maggiore, Milano, 1935, 23: 561-4.—**Mátys, M.** Ueber einen eigenartigen Fall von Darmverschluss, durch ein Meckel'sches Divertikel hervorgerufen. Zbl. Chir., 1937, 64: 886-9.—**Meade, H.** Intestinal obstruction caused by Meckel's diverticulum. Irish J. M. Sc., 1935, 6. ser., No. 120, 702.—**Melletti, M.** Diverticolo di Meckel; occlusione intestinale. Policlinico, 1929, 36: sez. chir., 188-209.—**Mester, K. E.** Die Rolle des Meckelschen Divertikels in der Entstehung der Darmverschlüsse. Beitr. klin. Chir., 1936, 163: 34-44.—**Mizutani, H.** Six cases of intestinal obstruction caused by Meckel's diverticle. Jap. J. M. Sc., 1934-36, 4: Surg. &c., 283.—**Modi, M. O., & Chvorov, V. V.** [Intestinal obstruction caused by Meckel's diverticulum] Vrach. gaz., 1927, 36: No. 3, 203.—**Morisson, L.** Les occlusions intestinales par diverticule de Meckel. Bull. Soc. méd. mil. fr., 1926, 41-7.—**Moutinho, H.** Nota sobre um caso de obstrução intestinal por divertículo de Meckel. Med. contemp., Lisb., 1934, 52: 411-3.—**Müllerder, A.** Zu der Mitteilung: Ueber einen eigenartigen Fall von Darmverschluss durch ein Meckel'sches Divertikel hervorgerufen, von Mátys, Mátys. Zbl. Chir., 1937, 64: 1473.—**Novi, M.** Due casi di occlusione intestinale da diverticolo di Meckel (osservazioni cliniche) Bull. sc. med., Bologna, 1928, ser. 10, 6: 405-19.—**Olariu, G., & Grigorescu, I. I.** [Intestinal occlusion by Meckel's diverticulum] Spitalul, 1932, 52: 176-8.—**Onaca, N., & Safta, E.** Schwere Tetanie in einem Fall von Darmokklusion hervorgerufen durch ein Meckel'sches Divertikel. Zbl. Chir., 1932, 59: 1981.—**Orr, J. L.** Tumour of Meckel's diverticulum producing intestinal obstruction. Tr. R. Med. Chir. Soc. Glasgow, 1932, 26: 149-53.—**Page, B. H.** Haemorrhage and intestinal obstruction due to a Meckel's diverticulum. Lancet, Lond., 1938, 1: 1160-2.—**Prim Roselli, J.** Occlusión intestinal producida por el divertículo de Meckel. Actual. méd., Granada, 1940, 16: 205.—**Puccinelli, V.** Diverticolo di Meckel; occlusione intestinale. Arch. ital. chir., 1926, 16: 366-72.—**Ritter, A.** Koprothibienus bei Meckel'schem Divertikel. Schweiz. med. Wschr., 1927, 57: 770.—**Romeo, M.** Contributo allo studio della occlusione intestinale da diverticolo del Meckel. Gior. med. Alto Adige, 1930, 2: 752-61.—**Roux, J.** Occlusion intestinale à répétition, puis aiguë, provoquée par le diverticule de Meckel; vidage de l'intestin par le diverticule de Meckel. Rev. méd. Suisse rom., 1934, 54: 391-6.—**Rudnev, N.** [Obstruction of intestines caused by Meckel's diverticulum] Vest. khir., 1927, 10: 262-4.—**Ruiz, J.** Occlusión intestinal por un divertículo de Meckel. Villacera méd., S. Clara, 1941, 9: 108-13.—**Schwarz, F.** Meckel'sches Divertikel und Ileus. Zbl. Chir., 1930, 57: 2290.—**Shaw, W. C.** Intestinal obstruction caused by a Meckel's diverticulum. Atlantic M. J., 1926-27, 30: 279.—**Stefani, F.** Inconuseta genesi di ostruzione intestinale da diverticolo di Meckel. Riv. chir., 1939, 5: 326-8.—**Steindl, H.** Zur Pathogenese des Darmverschlusses durch ein Meckelsches Divertikel. Med. Klin., Berl., 1935, 31: 77-9.—**Swift, D. T.** Acute intestinal obstruction due to Meckel's diverticulum. J. R. Army M. Corps, 1938, 70: 334.—**Szombati, S.** [Cases of intestinal obstruction caused by Meckel's diverticulum in infancy and childhood] Orv. hetil., 1935, 79: 973.—**Temple, H. V.** Meckel's diverticulum as a cause of intestinal obstruction; report of a case. Q. Bull. Northwest. Univ. M. School, 1941, 15: 301.—**Tomasi, L.** Occlusione intestinale da diverticolo di Meckel. Policlinico, 1935, 42: sez. prat., 712-4.—**Workman, B. J.** Meckel's diverticulum with subsequent intestinal obstruction. J. S. Carolina M. Ass., 1939, 35: 139-41.

— Meckel's diverticulum: Ileus—by invagination.

See also subheading Meckel's diverticulum: Invagination.

BUQUEN, P. *Contribution à l'étude de l'invagination intestinale par le diverticule de Meckel. 64p. 24cm. Par., 1939.

GAUTREAU, H. *Contribution à l'étude des invaginations par diverticule de Meckel et leur traitement. 50p. 24cm. Par., 1938.

MIHOFF, N. T. *Invagination intestinale provoquée par le diverticule de Meckel. 62p. 8°. Par., 1933.

NADAL, J. *Contribution à l'étude des invaginations intestinales aiguës par tumeur du diverticule de Meckel. 41p. 8°. Lyon, 1937.

TORNOW, H. O. *Ueber die Invagination mit besonderer Berücksichtigung der durch das Meckel'sche Divertikel und durch Tumoren bedingten Fälle an der Hand von 24 Fällen aus der Göttinger Chirurgischen Klinik und einem Fall aus dem Peiner Krankenhaus (Dr Meyer-ingh) aus den Jahren 1912 bis 1929 [Göttingen] 30p. 8°. Bethel-Bielefeld, 1931.

Bowen, F. H. Intussusception associated with a polyp in a Meckel's diverticulum; report of a case. J. M. Ass. Georgia, 1941, 30: 390.—**Christopher, F.** Ileocolic intussusception with Meckel's diverticulum. Surg. Clin. N. America, 1930, 10: 347-9.—**Del Campo, R. M.** Invaginación intestinal por divertículo de Meckel. Arch. urug. med., 1937, 11: 652-4.—**Etienne-Martin, M., Henry, M., & Roman, M.** Un cas d'invagination intestinale par tumeur du diverticule de Meckel. Ann. anat. path., Par., 1936, 13: 1141-5.—**Gray, H. K., & Kernohan, J. W.** Meckel's diverticulum; associated with intussusception and adenocarcinoma of ectopic gastric mucosa; report of case. J. Am. M. Ass., 1937, 108: 1480-3.—**Harris, H. I.** Meckel's diverticulum; report of case; intussusception and gangrene. California West. M., 1938, 49: 386-8.—**Intussusception** associated with Meckel's diverticulum. Washington Univ. M. Alumni Q., 1940-41, 4: 244.—**Johns, J.** Low ileum intussusception caused by Meckel's diverticulum, report of a case. J. Michigan M. Soc., 1938, 37: 1083.—**Lefrançois, C.** L'invagination intestinale aiguë de la seconde enfance; 2 observations dont une avec diverticule de Meckel. Union méd. Canada, 1938, 68: 387-91.—**Lichtenstein, M. E.** Meckel's diverticulum; intestinal obstruction due to invagination and intussusception; peritonitis due to perforation by a fish bone. Q. Bull. Northwest. Univ. M. School, 1941, 15: 296-300.—**Macdonald, I.** Intussusception in an adult due to a polyp of Meckel's diverticulum. Brit. M. J., 1928, 1: 442.—**Melver, M. A.** Intussusception of the small intestine, with special reference to Meckel's diverticulum as a causative factor. N. England J. M., 1928, 199: 453-6.—**Martin, W. S.** Meckel's diverticulum containing gastric tissue as cause of intussusception; résumé of literature and report of a case. J. Michigan M. Soc., 1939, 38: 590-2.—**Montgomery, A. H.** Intussusception produced by a small Meckel's diverticulum. Surg. Clin. N. America, 1928, 8: 685-9.—**Nassau, C. F.** Impaction of small intestine, gangrene, and Meckel's diverticulum. Ibid., 1932, 12: 1339-41.—**Nédelec, M.** Invagination iléo-caecocolique par diverticule de Meckel chez une adulte; hémicolectomie droite en un temps. Mém. Acad. chir., Par., 1937, 63: 1331-4.—**Paolucci, R.** Invaginazione intestinale da diverticolo di Meckel. Clinica, Bologna, 1937, 3: 1-9. Also in his Lezioni clin. chir., Roma, 1939, 321-34.—**Petersen, E.** [Case of intussusception and case of peritonitis due to Meckel's diverticulum] Norsk mag. lægevid., 1928, 89: 571-3.—**Reiser, E.** Dünndarminvagination hervorgerufen durch ein Meckelsches Divertikel. Röntgenpraxis, 1935, 7: 90-4.—**Salmon, Artaud & Granjon.** Invagination intestinale aiguë par diverticule de Meckel. Mém. Acad. chir., Par., 1937, 63: 1257-65.—**Sprague, J. R., & Srigley, R. S.** Intussusception due to a Meckel's diverticulum; a report of 4 cases. Ohio M. J., 1941, 37: 843-5.—**Srigley, R. S.** Intussusception due to Meckel's diverticulum; a report of 4 cases. Rev. M. Progr. Proc. Postcolleg. Clin. Assemb. Coll. M. Ohio Univ., 1941, 8: 29.—**Stuppel, R.** Treatment of irreducible intussusception due to Meckel's diverticulum. Brit. M. J., 1939, 2: 722.—**Velasco Blanco, L., & Echegaray, E. M.** Invaginación intestinal por divertículo de Meckel. Arch. amer. med., B. Air., 1942, 18: 45-50.

— Meckel's diverticulum: Ileus—by strangulation.

See also subheading Meckel's diverticulum: Strangulation.

HOLLAIN, J. *Meckelsches Divertikel und Ileus (Strangulationsileus) 16p. 8°. Bresl., 1925.

Bona, T. Mesenteriallücke als Ursache von Darmverschluss in Verbindung mit Meckel'schem Divertikel und Coecum mobile. Zbl. Chir., 1938, 65: 144-7.—**Dorling, G. C.** Meckel's diverticulum causing obstruction by tying a knot around the adjacent ileum in a man of 74 years. Brit. J. Surg., 1941-42, 29: 277.—**Georgesco, G.** Sub-occlusion intestinale par bride diverticulaire (Meckel) péritonéale généralisée par perforation de la base d'implantation. Rev. chir., Bucur., 1940, 43: 253-6.—**Giardina, S. G.** Sulla occlusione intestinale acuta da diverticolo di Meckel e sugli strozzamenti in fessura preformate del mesentere (contributo casistico) Rass. internaz. clin. ter., 1926, 7: 3-21.—**Itzès, J.** [Meckel's diverticulum as cause of incarceration of inguinal hernia] Orv. hetil., 1934, 78: 714.—**Kirby, F. J., & Needle, N. E.** Intestinal obstruction caused by the mesentery of a Meckel's diverticulum. Virginia M. Month., 1934, 61: 43-5.—**Stoher, R.** Zur Klinik der inneren Einklemmung durch das fixierte Meckel'sche Divertikel. Beitr. klin.

Chir., 1927, 141: 353-7.—**Terbruggen, A.** Ueber Strangulationsileus bei persistierendem Ductus omphaloentericus (Meckel'sches Divertikel). Zbl. Chir., 1929, 56: 1805.—**Thomsen, E.** [Strangulation ileus with peculiar cord formation from a Meckel's diverticulum] Ugeskr. læger, 1927, 89: 443.—**Waters, C. H.** Massive strangulation of the intestine due to a nonadherent Meckel's diverticulum. Nebraska M. J., 1934, 19: 458.

— Meckel's diverticulum: Inflammation.

APPELT, M. *Die acute Divertikulitis Meckeli unter dem Bilde der acuten Appendicitis [Breslau] 16p. 22½cm. Würzb., 1936.

MIN KUN KWONG. *Contribution à l'étude de l'occlusion intestinale consécutive à l'inflammation du diverticule de Meckel. 48p. 8° Par., 1930.

Antonoli, G. M. Contributo allo studio della diverticolite di Meckel. Minerva med., Tor., 1927, 7: 847-52.—**Brin.** Etranglement ou inflammation du diverticule de Meckel hernié. Bull. Soc. chir. Paris, 1905, 31: 336-69.—**Cardelle, G.** Salazar, C. [et al.] Oculación intestinal por divertículo de Meckel; diverticulitis. Crón. méd. quir. Habana, 1939, 65: 631-9.—**Cosnier, A., & Vidal, M.** Observation d'un cas d'inflammation et perforation du diverticule de Meckel. Bull. Soc. méd. mil. fr., 1936, 30: 78-83.—**Díaz Bobillo, I.** Patología del divertículo de Meckel en la infancia; diverticulitis. Prensa méd. argent., 1936, 23: 1061-73.—**Ehler, F.** [Surgical complications in inflammation of Meckel's diverticulum] Cas. léc. česk., 1933, 72: 1371-5.—**Einaudi, M.** Contributo allo studio delle flogosi del diverticolo di Meckel. Minerva med., Tor., 1941, 32: pt. 1, 175-80 (microfilm).—**Fores, J. Y., & Maghoo, M. C.** Acute diverticulitis simulating acute appendicitis: Meckel's diverticulum; report of cases. J. Philippine M. Ass., 1940, 20: 273-6, pl.—**Franssen, C., Schatzki, R.** [et al.] Appendicitis, healing; inflammation of Meckel's diverticulum, acute. N. England J. M., 1942, 227: 715-9.—**Fronticelli, E.** Diverticolite acuta (contributo clinico alla patologia del diverticolo di Meckel) Policlinico, 1926, 33: sez. prat., 905-8.—**Gucci, G.** La diverticolite (infiammazione del diverticolo di Meckel) Ibid., 1931, 38: sez. chir., 244-56.—**Hunt, G. H.** Foreign body in Meckel's diverticulum, with inflammation; report of a case. Hosp. News, Wash., 1937, 4: No. 6, 15-20, pl.—**Khater, M.** Un cas de diverticulite avec péritonite tuberculeuse fibro-caséuse et fistule stercorale. Rev. prat. mal. pays chauds, 1939, 19: 272-7.—**Kung, N. C.** Acute inflammation of Meckel's diverticulum with intestinal obstruction; report of case. Chin. M. J., 1937, 52: 85-8.—**Lucarelli, G.** Appendicite e flogosi del diverticolo di Meckel. Gazz. internaz. med. chir., 1934, 42: 362-70.—**Moolten, R. R.** Meckel's diverticulitis in an infant. N. York State J. M., 1932, 32: 1070.—**Rementeria.** Diverticulitis de Meckel. Med. ibera, 1934, 28: 567.—**Robyn, G.** Un cas de diverticulite de Meckel avec perforation. J. chir., Brux., 1926, 25: 33-43.—**Sichel, M. S.** Meckel's diverticulitis with gangrene; report of case. Minnesota M., 1927, 10: 198.—**Solley, F. W.** Excision of Meckel's diverticulum for bleeding and diverticulitis. Surg. Clin. N. America, 1934, 14: 417-21.—**Verevkin, M. D.** [Suppurative inflammations of the peritoneum in Meckel's diverticulum] Klin. med., Moskva, 1936, 14: 1371-3.—**Wolfson, W. L., & Clurman, M. J.** Inflammation of Meckel's diverticulum. Ann. Surg., 1930, 92: 388-93.—**Wolfson, W. L., & Kaufman, B.** Acute inflammation of Meckel's diverticulum. Ibid., 1929, 89: 535-40.

— Meckel's diverticulum: Invagination.

See also subheading Meckel's diverticulum: Ileus—by invagination.

DEKAN, E. *Inversion eines Meckelschen Divertikels mit sekundärer Invagination des Dünndarms. 25p. 8° Bresl., 1926.

VEXLER, I. *Sur deux cas d'invagination intestinale du diverticule de Meckel. 47p. 8° Par., 1927.

Bunch, G. H. Chronic invagination of Meckel's diverticulum. Am. J. Surg., 1939, 45: 142-4.—**Camera, U.** Per la diagnosi, a ventre chiuso, dell'invaginazione intestinale acuta da diverticolo di Meckel nel bambino. Pediat. med. prat., Tor., 1939, 14: 138-46.—**Caminiti, R.** Occlusione intestinale retrograda, ricorrente da diverticolo di Meckel invaginato ed invertito. Policlinico, 1935, 42: sez. chir., 261-73.—**Casper, M.** Intussusception of a Meckel's diverticulum. Kentucky M. J., 1941, 39: 81.—**Clute, H. M.** Partial obstruction of the ileum from invagination of Meckel's diverticulum. Surg. Clin. N. America, 1934, 14: 1119-25.—**Decker, H. R.** Intestinal obstruction by invaginated Meckel's diverticulum. Atlantic M. J., 1927-28, 31: 824.—**Duncan, G.** Intussusception due to invagination of a Meckel's diverticulum. Lancet, Lond., 1935, 2: 1174.—**Eisberg, H. B.** Inversion of tumor of Meckel's diverticulum in a double ileocecal intussusception. Am. J. Surg., 1928, n. ser., 5: 401-4.—**Foucault, P.** Invagination du diverticule de Meckel. Bordeaux chir., 1936, 7: 349-51.—**Godard, H.** Invagination iléale consécutive à l'invagination d'un diverticule de Meckel. Ann. anat. path., Par., 1936, 13: 371-4.—**Grigorescu, I. I.** [Chronic ileo-ileal invagination caused

by invagination of Meckel's diverticulum] Rev. st. med., Bucur., 1938, 27: 913-28.—**Hancin, H. A.** Meckel's diverticulum, invagination. J. Michigan M. Soc., 1940, 39: 786-9.—**Harkins, H. N.** Intussusception due to invaginated Meckel's diverticulum; report of 2 cases with a study of 160 cases collected from the literature. Ann. Surg., 1933, 98: 1070-95.—**Holst, J.** Intussusception eines Meckelschen Divertikels. Norsk. mag. lægevid., 1928, 89: 279-83.—**Klingenstein, P.** Norsk. mag. lægevid., 1928, 89: 279-83.—**Klingenstein, P.** Enteric intussusception due to the invagination of Meckel's diverticulum. J. Mount Sinai Hosp. N. York, 1936-37, 3: 1-6.—**Lenner, S.** Ueber akute Invagination des Dünndarms im Kindesalter, ausgelöst durch ein umgestülptes Meckelsches Divertikel. Beitr. klin. Chir., 1930, 149: 631-40.—**Ley, L.** Intussusception starting in an invaginated Meckel's diverticulum. Lancet, Lond., 1937, 2: 804.—**McKechnie, R. E., & Priestley, J. T.** Intussusception of a Meckel's diverticulum. Proc. Mayo Clin., 1936, 11: 543.—**Martin, L. W.** Meckel's diverticulum; report of case with simple inversion causing partial obstruction of ileum. J. Florida M. Ass., 1939-40, 26: 290.—**Mathieu, P., & Davioud.** Invagination intestinale du diverticule Meckel; résection intestinale; guérison. Bull. Soc. pédiat. Paris, 1927, 25: 132.—**Möller, F.** [Case of invagination of Meckel's diverticulum] Hospitalstidende, 1926, 69: [Dansk kir. selsk. forh.] 28-33.—**Paul, M.** Enteric intussusception due to invagination of Meckel's diverticulum. Brit. M. J., 1939, 1: 504, pl.—**Picot, L.** Invagination du diverticule de Meckel. Rev. méd. Suisse rom., 1927, 47: 233-9.—**Talbot.** Invagination du diverticule de Meckel et invagination secondaire du grêle. Lyon chir., 1938, 35: 220-3.—**Trempe, F.** Invagination iléo-caecale secondaire à une invagination du diverticule de Meckel. Bull. Soc. méd. hôp. Québec, 1934, 438.—**Whigham, J. R. M.** Intussusception due to invaginated Meckel's diverticulum. Annual Rep. London Co. Council, 1935, 4: pt. 3, 158.

— Meckel's diverticulum: Pathology.

BURGER, W. *Ueber das Meckel'sche Divertikel mit Magenschleimhaut. 18p. 8° Heidelb., 1932.

CHRIST, K. *Ueber die Verdoppelungen des Darmes, besonders des Dünndarms und die Beziehungen der letzteren zum Meckel'schen Divertikel [Heidelberg] 46p. 8° Gütersloh-Westf., 1934.

DOEPFNER, K. *Beiträge zur Kenntnis des Meckel'schen Divertikels. 22p. 8° Lpz., 1911.

QUEDNOW, E. *Beitrag zur Kenntnis des Meckel'schen Divertikels [Bonn] 34p. 8° Bad Neuenahr, 1928.

Alhaïque, A. Patologia del diverticolo di Meckel. In Lez. med. biol. (Martelli) Nap., 1930, 171-4.—**Bastos Ansart, M.** Contribución a la patología del divertículo de Meckel. Progr. clín., Madr., 1927, 35: 10-5.—**Carlson, L. A.** Duplication of Meckel's diverticulum with other congenital anomalies. Arch. Path., Chic., 1935, 20: 245.—**Corriden, T. F.** Three types of Meckel's diverticulum. N. England J. M., 1938, 218: 1090-2.—**Curd, H. H.** A histologic study of Meckel's diverticulum with special reference to heterotopic tissues. Arch. Surg., Chic., 1936, 32: 506-23.—**Derbes, V., & Hoge, M. B.** A case of Meckel's diverticulum with unusual vascular relationships. Anat. Rec., 1937, 69: 5-9.—**Díaz Bobillo, I.** Contribución al estudio de la patología del divertículo de Meckel en la infancia. Prensa méd. argent., 1936, 23: 772-82.—**Duval, P., & Ameline, A.** Pathologie du diverticule de Meckel et des résidus omphalo-mésentériques chez l'enfant. Presse méd., 1934, 42: 1214.—**Fronticelli, E.** Patologia del diverticolo di Meckel. Policlinico, 1926, 33: sez. prat., 77-81.—**Goodhart, G. W.** Vitello-intestinal duct. Tr. M. Soc. London, 1939, 62: 107.—**Hadley, M. N., & Cogswell, H. D.** Unusual origin of a Meckel's diverticulum from the base of the appendix. J. Am. M. Ass., 1936, 106: 537.—**Hill, F. C., & Cohen, L.** Meckel's diverticulum containing aberrant gastric mucosa and pancreatic tissue. Nebraska M. J., 1937, 22: 187.—**Hunt, V. C., & Bonesteel, H. T. S.** Meckel's diverticulum containing aberrant pancreas. Arch. Surg., 1934, 28: 425-39.—**Laidlaw, N. F., & Wright, R. D.** An unusual position of the caecum due to Meckel's diverticulum. Clin. Rep. Melbourne Hosp., 1937, 8: 51-3.—**Löhr, W.** Zur Klinik und Pathologie des Meckelschen Divertikels und sonstiger Hemmnungsmissbildungen des unvollständig obliterierten Ductus omphaloentericus. Deut. Zschr. Chir., 1924, 186: 156-67.—**Maruse, E.** Zur Frage des Meckelschen Divertikels. Med. Klin., Berl., 1926, 22: 1719-21.—**Miyake, H., & Oda, M.** Ueber die klinische Bedeutung des Ileumdivertikels, mit besonderer Berücksichtigung der Pathologie des intramuralen Nervengeflechts. Deut. Zschr. Chir., 1938-39, 251: 111-9.—**Olivé Gumá, C.** Consideraciones al estudio del divertículo de Meckel. Ars medica, Barcel., 1930, 6: 368-72.—**Plastina, M.** Cenni sulla patologia del diverticolo di Meckel. Gior. med. mil., 1933, 81: 51-9.—**Potter, P. C.** Meckel's diverticulum attached to root of mesentery. Ann. Surg., 1935, 101: 1125.—**Prat, L.** Sur la pathologie du diverticule de Meckel. Gaz. méd. France, 1939, 46: 9-14.—**Rapant, V.** [Pathology of Meckel's diverticulum] Cas. léc. česk., 1927, 66: 1669-75.—**Itbe, N.** [Affections in Meckel's diverticulum]

Hospitalstidende, 1934, 77: [Jyds. med. selsk. forh.] 96-102.—**Roosvall, A.** On Meckel's diverticulum as the cause of disease in children. *Acta paediat.*, Upps., 1939, 26: 372-82.—**Rosenzweig, G. L.** [Pathology of Meckel's diverticulum] *Mosk. med. J.*, 1927, 7: 56-8.—**Simon, E.** Verschiedene Erkrankungen des Meckelschen Divertikels. *Arch. klin. Chir.*, 1936-37, 187: 535-44.—**Spirito, F.** Cisti del diverticolo di Meckel simulante una cista di origine genitale; contributo alla patologia del diverticolo. *Rass. internaz. clin. ter.*, 1938, 19: 931-51.—**Stone, E.** Aberrant gastric mucosa; Meckel's diverticulum. *Surg. Gyn. Obst.*, 1923, 37: 52-6.—**Struthers, J. W.** Meckel's diverticulum within the layers of the mesentery. *Clin. J. Lond.*, 1930, 59: 582-4.—**Utter, O.** [Pathological pictures of diseases caused by Meckel's diverticulum; description of 33 cases] *Fin. läk. säll. hand.*, 1934, 76: 349-92.

— Meckel's diverticulum: Peptic ulcer.

See also subheading Meckel's diverticulum: Ulcer.

BAYR, A. *Ulcer pepticum perforatum im Meckelschen Divertikel. 43p. 8°. Münch., 1938.

GEORGIEFF, G. K. *Ueber perforierende Ulcus pepticum Bildung in mit Magenschleimhaut ausgekleideten Meckel'schen Divertikeln [München] 56p. 8°. Sofia, 1931.

MONTAGARD, G. *Contribution à l'étude de l'ulcère peptique du diverticule de Meckel. 171p. 8°. Lyon, 1935.

Abrams, A. L. Relation of intestinal bleeding to heterotopic gastric mucosa and ulceration in Meckel's diverticulum. *J. Pediat.*, S. Louis, 1938, 13: 513.—**Aschner, P. W.** & **Karelitz, S.** Peptic ulcer of Meckel's diverticulum and ileum. *Ann. Surg.*, 1930, 91: 573-82.—**Bunne, F.** Das Ulcus pepticum im Meckel'schen Divertikel. *Zbl. Chir.*, 1936, 63: 2362-7.—**Chiariello, A. G.** Recenti studi sull'ulcera peptica del diverticolo di Meckel e sull'ulcera gastro-duodenale. *Ann. ital. chir.*, 1932, 11: 203-9.—**Cobb, D. B.** Meckel's diverticulum with peptic ulcer. *Ann. Surg.*, 1936, 103: 747-68. Also *Tr. South. Surg. Ass.*, 1935, 48: 130-51. — Perforated peptic ulcer of Meckel's diverticulum. *Ann. Surg.*, 1931, 94: 256-62.—**Croes, F.** & **van Hasselt, J. A.** [Hemorrhage in peptic ulcer of Meckel's diverticulum] *Ned. tsschr. geneesk.*, 1935, 79: 3637-9, pl.—**Debré, R.** & **Sémelaigne, G.** L'ulcère peptique du diverticule de Meckel. *Vie méd.*, 1933, 14: 207-9.—**Boppe, H.** Ulcère peptique du diverticule de Meckel, perforation et fistule diverticulo-colique; évolution subaiguë des manifestations cliniques. *Arch. méd. enf.*, 1932, 35: 271-8. Also *Bull. Soc. pédiat. Paris*, 1931, 29: 402-12.—**De Marchi, E.** Ulcera peptica perforata del diverticolo di Meckel. *Arch. ital. mal. app. diger.*, 1937, 6: 282-94.—**Dragstedt, L. R.** Ulcus acidum of Meckel's diverticulum. *J. Am. M. Ass.*, 1933, 101: 20. Also *Tr. Chicago Path. Soc.*, 1933, 14: 90.—**Finocchiaro, R.** Perforazione coperta di ulcera peptica del diverticolo di Meckel. *Arch. ital. chir.*, 1940, 59: 391-405 (microfilm)—**Hall, W. M.** & **Webb, C. H.** Peptogenic ulceration from Meckel's diverticulum. *Tristate M. J.*, 1941-42, 14: 2584.—**Hartglass.** Perforation d'un ulcère peptique siègeant sur un diverticule de Meckel; opération; guérison. *Bull. Soc. nat. chir., Par.*, 1928, 54: 1091-4.—**Herrmann, S. F.**, **Larson, C. P.**, & **Brown, B. A.** Meckel's diverticulum with ectopic gastric tissue, perforation and hemorrhage. *Northwest M.*, 1940, 39: 337-9.—**Johnston, L. B.** & **Renner, G., jr.** Peptic ulcer of Meckel's diverticulum; a report of 2 cases and a review of the literature. *Surg. Gyn. Obst.*, 1934, 59: 198-209.—**Joyce, J. L.** Peptic ulcers of Meckel's diverticulum. *Roy. Berkshire Hosp. Rep.*, 1933, 9-14, pl.—**Kini, M. G.** Perforation of a Meckel's diverticulum with gastric mucosa. *Ind. M. Gaz.*, 1941, 76: 396, pl.—**Kleinschmidt, K.** Das Ulcus pepticum des Meckel'schen Divertikels. *Beitr. klin. Chir.*, 1926-27, 138: 715-20.—**Laskowski, J.** & **Zaorski, J.** [Ulcus pepticum perforatum diverticuli Meckeli] *Pedjat. polska*, 1935, 15: 173-81.—**McCalla, A. I.** A case of perforated peptic ulcer of Meckel's diverticulum. *Canad. M. Ass. J.*, 1927, 17: 79-81.—**Mason, J. M.** & **Graham, G. S.** Ulceration of aberrant gastric mucosa in Meckel's diverticulum; as a source of intestinal haemorrhage. *Ann. Surg.*, 1932, 96: 893. Also *Tr. Am. Surg. Ass.*, 1932, 50: 316-33.—**Matt, J. G.** & **Timpone, P. J.** Peptic ulcer of Meckel's diverticulum; case report and review of the literature. *Am. J. Surg.*, 1940, 47: 612-23.—**Pascale, G.** Ulcera peptica del diverticolo di Meckel con particolare riguardo ai tumori e processi patologici della regione ombelicale. *Arch. Soc. ital. chir.* (1925) 1926, 32: 420-47.—**Peptic ulcer of Meckel's diverticulum.** *Lancet*, Lond., 1935, 2: 569.—**Renner, G., jr.** Peptic ulcer of Meckel's diverticulum. *Ohio M. J.*, 1934, 30: 371-3.—**Sakai, T.** Ueber einen operativ geheilten Fall von akuter allgemeinen Peritonitis, welche aus dem peptisch ulzerierten Meckel'schen Divertikel entstanden ist. *Bull. Nav. M. Ass.*, Tokyo, 1938, 27: No. 2, 4.—**Schaff, G.** Beitrag zur Bildung des Ulcus pepticum im Meckelschen Divertikel. *Deut. Zschr. Chir.*, 1932-33, 238: 78-87.—**Schmidt, L.** [Perforation of peptic ulcer in Meckel's diverticulum] *Budapesti orv. ujs.*, 1936, 34: 505-7.—**Stulz, E.** & **Woringer, P.** Peptic ulcer of Meckel's diverticulum. *Ann. Surg.*, 1926, 83: 470-8.—**Thompson, J. E.**

Bleeding peptic ulcer in Meckel's diverticulum. *J. Am. M. Ass.*, 1937, 109: 938. — Perforated peptic ulcer in Meckel's diverticulum; report of a case occurring intramurally. *Ann. Surg.*, 1937, 105: 44-55.—**Vaughan, R. T.** & **Singer, H. A.** Perforated peptic ulcer of Meckel's diverticulum. *Ibid.*, 1932, 96: 230-9.—**Waugh, J. M.**, **Herrell, W. E.** & **Crumpacker, L. K.** Peptic ulcer in Meckel's diverticulum causing intrinsic intestinal obstruction; report of 2 cases. *Surg. Gyn. Obst.*, 1942, 11: 385-91.—**Wulff, H.** [Peptic ulcers in Meckel's diverticulum] *Hygica, Stockh.*, 1932, 94: 449-57. — Zur Frage der peptischen Geschwüre im Meckelschen Divertikel. *Chirurg*, 1932, 4: 926-30.

— Meckel's diverticulum: Perforation.

See also subheading Peptic ulcer.

Batashov, V. A. [Perforation of Meckel's diverticulum] *Vest. khir.*, 1932, 27: 174-8.—**Berry, J. A.** Perforation of a Meckel's diverticulum. *Brit. J. Surg.*, 1927-28, 15: 331.—**Billet, H.** Péritonite généralisée consécutive à la perforation du diverticule de Meckel; opération; fermeture du péritoine sans drainage; guérison. *J. sc. méd. Lille*, 1926, 44: pt 2, 93-5.—**Blanc, H.** Diverticule par perforation d'un diverticule de Meckel par une arête de poisson. *Bull. Soc. chir. Paris*, 1929, 21: 378.—**Ferenc, V.** [Perforation of Meckel's diverticulum] *Orvosképzés*, 1934, 24: nov. külöf. (Hainiss Festschr.) 214-9.—**Gamble, H. A.** Subcutaneous rupture of Meckel's diverticulum. *Am. J. Surg.*, 1941, 54: 727.—**Henrichsen, J.** [Case of perforating Meckel's diverticulum combined with tumor in the vermiform appendix] *Hospitalstidende*, 1936, 79: 320-4.—**Hiller, R. L.** & **Bernhard, L. A.** Gangrenous Meckel's diverticulum perforated by a tomato peel. *J. Am. M. Ass.*, 1933, 101: 364.—**Hunter, W. C.** Perforated gangrenous Meckel's diverticulum in a new-born infant; report of a case. *Am. J. Dis. Child.*, 1928, 35: 438-42.—**Kubányi, E.** [Perforation of a Meckel's diverticulum] *Orv. hetil.*, 1932, 76: [mell.] 64.—**Kunz, H.** Perforation eines Meckel'schen Divertikels durch eine verschluckte Kerr'sche Nadel. *Wien. med. Wschr.*, 1926, 76: 436.—**Lindqvist, S.** Perforation eines Meckel'schen Divertikels, von einem Fremdkörper bedingt. *Zbl. Chir.*, 1926, 53: 1756.—**Perforation des Meckelschen Divertikels.** *Med. Klin., Berl.*, 1940, 36: 1059 (Abstr.) (microfilm)—**Persson, T.** Meckel'sches Divertikel, durch einen Fremdkörper perforiert. *Acta chir. scand.*, 1939, 82: 530-48, pl.—**Stamer, S.** [Case of perforated Meckel's diverticulum] *Ugeskr. laeger*, 1939, 101: 630-2.—**Travacini, V.** Della perforazione del diverticolo di Meckel. *Ann. ital. chir.*, 1933, 12: 1085-118.—**Valér, F.** Perforation eines Meckelschen Divertikels. *Arch. Kinderh.*, 1934-35, 104: 218-25.—**Webb, R. C.** Meckel's diverticulum perforation by a fishbone. *Ann. Surg.*, 1933, 98: 159.—**Weinstein, V. A.** Fish-bone perforation of Meckel's diverticulum. *J. Mount Sinai Hosp. N. York*, 1942-43, 9: 29-32.—**Williams, R. V.** Perforation of Meckel's diverticulum by fish bone. *Minnesota M.*, 1940, 23: 44.

— Meckel's diverticulum: Strangulation.

Bachman, R. W. & **Noble, J. W.** Strangulated Meckel's diverticulum. *Ann. Surg.*, 1940, 111: 150-2.—**Harrington, S. W.** Strangulated Meckel's diverticulum in right femoral canal. *Surg. Clin. N. America*, 1926, 6: 1188-90.—**Talyshinsky, K. B.** [Strangulation of Meckel's diverticulum in an inguinal hernia of the right side] *Vest. khir.*, 1938, 55: 618-20.

— Meckel's diverticulum: Surgical aspect.

HABER, S. *Die Bedeutung des Meckelschen Divertikels in der Chirurgie [Berlin] 32p. 8°. Charlottenb., 1928.

Chaffin, L. Surgical emergencies during childhood caused by Meckel's diverticulum. *Ann. Surg.*, 1941, 113: 47-56. Also *Tr. West. Surg. Ass.* (1939) 1940, 49: 143-69.—**Goodman, B. A.** Meckel's diverticulum; its incidence and significance in routine operations on the abdomen. *Arch. Surg.*, 1938, 36: 144-62.—**Hohenbalken, W.** Ein Meckel'sches Divertikel als Komplikation einer Mastdarmexstirpation. *Zbl. Chir.*, 1927, 54: 1811.—**Iurovskaia, P. N.** [Meckel's diverticulum in children's surgery] *Khirurgia, Moskva*, 1938, No. 5, 71-8.—**Mixter, C. G.** Meckel's diverticulum and its surgical significance. *Proc. Inst. M. Chicago*, 1933, 9: 285-306.—**Montgomery, A. H.** Surgical conditions associated with Meckel's diverticulum. *Internat. Clin.*, 1935, 45, ser. 1: 216-25. Also *Tr. West. Surg. Ass.*, 1932, 42: 295-312.—**Stewart, G. A.** The significance of Meckel's diverticulum in the surgical abdomen. *Rev. Gastroenter.*, 1940, 7: 310-2.—**Walters, G. A. B.** & **Wilkins, E. G.** Surgical emergencies due to Meckel's diverticulum illustrated by 6 cases. *Lancet*, Lond., 1932, 2: 1430.—**Womack, N. A.** & **Siebert, R. B.** Surgical aspects of lesions of Meckel's diverticulum. *Ann. Surg.*, 1938, 108: 221-36.

— Meckel's diverticulum: Treatment.

Blumenthal, N. L. [Case of intraintestinal hemorrhage after excision of Meckel's diverticulum] *Vest. khir.*, 1933, 30: 290-2.—**Grigsby, G. P.** Meckel's diverticulum; diverticulectomy. *Internat. J. M. & S.*, 1929, 42: 131-5. Also *Kentucky M. J.*, 1929, 27: 214-8.—**Harbin, R. M.** Meckel's diverticulum; methods of resection; with a review of 13 cases. *Surg. Gyn. Obst.*, 1926, 43: 515-8.—**Ladd, W. E.** & **Gross, R. E.** Meckel's diverticulum. In *their Abdom. Surg. Infancy*, Phila., 1941, 71-82

Meckel's diverticulum: Tumor.

See also Ileum, Meckel's diverticulum: Cancer.
Björkstén, R. [Tumor and inflammation of Meckel's diverticulum]. *Fin. lak. säll. hand.*, 1932, 74: 734-44.—**Cascino, R.** Raro caso di amartoma del diverticolo di Meckel. *Arch. Soc. ital. chir.*, 1930, 36: 861-7.—**Ferroni, E.** Fibroma sottosieroso, strozzato da diverticolo di Meckel. *Arch. ostet. gin.*, 1934, 3, ser., 21: 387-92.—**Koucky, J. D., & Beck, W. C.** Perforated leiomyoma of Meckel's diverticulum; report of case. *Surgery*, 1941, 10: 636-41.—**Vargas Vélez, D.** Un caso de enterocistoma del divertículo de Meckel. *Rev. med. cir., Barranquilla*, 1940, 7: No. 1, Ed. extraordinaria, 122-5.

Meckel's diverticulum: Ulcer.

See also subheading Meckel's diverticulum: Peptic ulcer.

Breccia, A. Ulcera del diverticolo di Meckel. *Polichinico*, 1936, 43: sez. prat., 1286-91.—**Broca, R., & Maire, J.** Ulcère du diverticule de Meckel. In *Année pédiat.*, 1934, 1: 106-17.—**Brown, P. W., & Pemberton, J. J.** Solitary ulcer of the ileum and ulcer of Meckel's diverticulum. *Ann. Int. M.*, 1936, 9: 1684-702, 6 pl.—**Christopher, F., & Blessing, R.** Perforated ulcer of Meckel's diverticulum. *Am. J. Surg.*, 1936, 31: 556.—**Clark, J. A.** Meckel's diverticulum with ulceration and bleeding; report of 2 cases. *Clin. Bull. Cleveland*, 1939, 3: 92-4.—**Del Carril, M. J., & Diaz Bobillo, I.** Sobre un caso de úlcera del divertículo de Meckel. *Prensa méd. argent.*, 1934-35, 21: 851-3. Also *Rev. As. méd. argent.*, 1933, 46: 3456-9.—**Dixon, C. F., & Famigietti, E. V.** Gigantic Meckel's diverticulum with ulceration producing massive hemorrhage: report of case. *Proc. Mayo Clin.*, 1937, 12: 545-7.—**Etchegorry, J.** Perforación de úlcera simple del divertículo de Meckel; operación; curación. *Ann. Fac. med., Montev.*, 1926, 11: 621-8.—**Fèvre, M., Patel & Lepart.** Ulcères perforés du diverticule de Meckel. *Bull. Soc. nat. chir., Par.*, 1930, 56: 756-67.—**Fuss, H.** Ueber einen Fall von blutendem Ulcus in einem Meckelschen Divertikel. *Deut. Zschr. Chir.*, 1926, 199: 336-41.—**Guerrero Allande, J.** Ulcera perforada del divertículo de Meckel. *Rev. mex. cir.*, 1942, 10: 153-5.—**Jackson, A. S.** Ulcer of Meckel's diverticulum as a cause of intestinal hemorrhage. *Ann. Surg.*, 1927, 85: 252-6. Also *Tr. Ass. Physicians Mayo Clin.* (1926) 1927, 7: 102-10, 3 pl.—**Langman, T. H.** Ulcer of Meckel's diverticulum. *N. England J. M.*, 1935, 213: 878.—**Marty, J.** L'ulcère du diverticule de Meckel. *Bordeaux chir.*, 1932, 3: 123-32.—**Matt, J. G.** Clinical diagnosis of ulcer of Meckel's diverticulum. *J. Oklahoma M. Ass.*, 1942, 35: 414-7.—**Meiss, W. C.** [Grave intestinal hemorrhage from an ulcer in a Meckel's diverticulum]. *Ned. tschr. geneesk.*, 1928, 72: pt 2, 4020-2.—**Mondor, H., & Lamy, M.** Etude clinique des ulcères du diverticule de Meckel. *J. chir., Par.*, 1933, 41: 553-84.—**Prussia, G.** Su un caso di perforazione di ulcera del diverticolo di Meckel. *Clinica, Bologna*, 1939, 5: 712-21.—**Roudil, G., & Marty.** Sur un cas de perforation d'ulcère du diverticule de Meckel. *Bordeaux chir.*, 1932, 3: 179-81.—**Tavernier & Pouzet.** Ulcère du diverticule de Meckel diagnostiqué et guéri. *Lyon chir.*, 1933, 30: 711-3.—**Treider, P.** [Perforating ulcer in Meckels diverticulum]. *Norsk. mag. laegevid.*, 1934, 95: 393-8.—**Winkelstein, A.** Ulcer in Meckel's diverticulum; unusual roentgenologic findings; case report. *J. Mount Sinai Hosp. N. York*, 1941-42, 8: 1118-20.

Meckel's diverticulum: Volvulus.

HUNDEMER, W. *Ein Volvulus des Meckel'schen Divertikels [München] 36p. 8°. Kallmünz, 1932.

Bettman, R. B. Volvulus of a Meckel's diverticulum. *Surg. Clin. N. America*, 1930, 10: 363-73.—**Courriades & Lévy, J.** Occlusion intestinale par volvulus du diverticule de Meckel. *Bordeaux chir.*, 1933, 4: 273-5.—**Desjardes.** Volvulus de l'intestin grêle porteur d'un diverticule de Meckel; résection de 1 mètre 80 de grêle. *Lyon chir.*, 1936, 33: 87-9.—**Forty, F.** Intestinal atresia with torsion of Meckel's diverticulum. *Lancet, Lond.*, 1939, 1: 986.—**Gaisford, W. F.** Volvulus in a 3-weeks-old baby with a Meckel's diverticulum and congenital morbus cordis. *Arch. Dis. Childh.*, Lond., 1940, 15: 277.—**Georget, P., & Gouman, A.** Sur un cas de volvulus du grêle par diverticule de Meckel. *J. méd. Bordeaux*, 1937, 114: 758.—**Holm, E.** [Torsion of Meckel's diverticulum] *Ugeskr. læger*, 1930, 92: 551.—**Lacroix, P.** Un cas de volvulus du diverticule de Meckel. *Rev. belge sc. méd.*, 1940, 12: 187.—**Olow, J.** A case of torsion of Meckel's diverticulum. *Acta obst. gyn. scand.*, 1932, 12: 90-2. Also *Hygiea, Stockh.*, 1932, 94: 105.—**Poste, H. R. G.** Volvulus of a Meckel's diverticulum. *Australas. N. Zealand J. Surg.*, 1937-38, 7: 351-3.—**Soldevilla Rodríguez, V.** Oclusión aguda de intestino por torsión de un divertículo de Meckel. *Med. ibera*, 1934, 29: pt 2, 51-4.

Myoma.

Daniels, A. Ueber Leiomyome des Ileum. *Arch. klin. Chir.*, 1928, 151: 442-4.—**Finney, G. G.** Cystic myoma of the ileum with intestinal hemorrhage. *J. Am. M. Ass.*, 1933, 100: 408-10.—**Jones, T. E., & Brubaker, R. E.** Leiomyoma of the ileum; report of a case. *Cleveland Clin. Q.*, 1942, 9: 173-7.—**Laval, H., & Carpentier, G.** Léiomyome diffus et Jabots

de l'iléon, chez le cheval. *Rec. méd. vét.*, 1934, 110: 517-23.—**Pilot, I., & Brock, S.** Fibromyoma of the ileum. *Tr. Chicago Path. Soc.*, 1934, 14: 179.

Obstruction.

See also subheadings (Invagination; Volvulus) also Ileus.

GAILLARD, A. *Etranglement du grêle derrière une anse d'anastomose gastrique. 63p. 24cm. Par., 1939.

PETERSON, L. Beitrag zur Kenntnis des Ileum terminale fixatum und Ileus ilei terminalis fixati; Litteraturverzeichnis. 541p.; 112p. 8°. Helsin., 1934.

Arkhangelsky, N. A. [On the so-called ileum terminale fixatum et ileus ilei terminalis fixati] *Khirurgia, Moskva*, 1939, No. 10, 84-6.—**Beluffi, E. L.** Sul comportamento dell'ansa afferente, terminalmente cieca, a valle delle enteroanastomosi latero-laterali per occlusione benigna dell'ileo terminale; ricerche sperimentali. *Arch. ital. chir.*, 1939, 56: 433-58.—**Burke-Gaffney, F. C.** Obstruction of the ileum in pregnancy. *Med. J. Australia*, 1927, 1: 577.—**Cole, J. M.** Ileal obstruction. *N. Zealand M. J.*, 1942, 41: 183.—**Elman, R., & Hartmann, A. F.** Experimental obstruction of the terminal duodenum and ileum; the importance of blood chemical changes in causing death. *Surg. Gyn. Obst.*, 1931, 53: 307-15.—**Flynn, J. M.** Intestinal obstruction at terminal ileum caused by large irregular gallstone; report of a case. *Am. J. Roentg.*, 1940, 44: 69.—**Goldberg, H.** Ueber einen Fall von Ileus bei einem Neugeborenen infolge Stenose der Valvula ileocaecalis (Baulin). *Med. Klin., Berl.*, 1926, 22: 1801-3.—**Hatfield, M.** Extrinsic antenatal intestinal obstruction at the ileum, with peritonitis. *Kentucky M. J.*, 1939, 37: 451-5.—**Hylkema, S.** [A rare case of intestinal occlusion as a sequel of compression of the ileocecal passage by a chylous cyst]. *Ned. tschr. geneesk.*, 1927, 71: pt 2, 2713.—**Illingworth, H. T.** A case of Lane's ileal kink. *Med. Press & Circ., Lond.*, 1921, n. ser., 111: 497.—**Kent, G. B., & Sawyer, K. C.** Intestinal obstruction from a gallstone impacted in the distal portion of the ileum. *Rocky Mountain M. J.*, 1938, 35: 713.—**McNealy, R. W., & Lichtenstein, M. E.** Acute mechanical ileal obstruction following appendectomy. *Am. J. Surg.*, 1942, 55: 157-9.—**Marino.** Occlusion intestinal aguda por amplia membrana embolsando el ileon. *Bol. Soc. cir. B. Aires*, 1928, 12: 197-9.—**Matheson, D.** Mechanical obstruction of ileum by appendix. *Brit. M. J.*, 1938, 1: 844.—**Morton, J. J., & Sullivan, W. C.** A comparison between simultaneous equalized closed obstructions of the duodenum and the ileum. *Arch. Surg.*, 1930, 21: 531-8.—**Roeder, C. A.** Acute inflammatory obstruction of the terminal ileum. *Ann. Surg.*, 1928, 87: 867-9.—**Rosenfeld, A.** Incarceratio retrogradica intestini ilei. *Acta chir. scand.*, 1925-26, 59: 439-46.—**Schultz, C. B.** Acute postoperative obstruction of the lower small intestine. *J. Am. M. Ass.*, 1934, 102: 1733-7.—**Speese, J., & Bothe, F. A.** Ileocaecal obstruction associated with appendicitis. *Tr. Am. Surg. Ass.*, 1930, 48: 290-300.—**Sperling, L.** Effect of previous ileosigmoidostomy on survival period of dogs with low ileal obstruction. *Proc. Soc. Exp. Biol.*, N. Y., 1933, 31: 323-6.—**Stoian, C., & Mihăilescu, G.** Ocluzie intestinală prin strangulare, într'un inel ileo-apendicular. *Rev. san. mil., Bucur.*, 1928, 27: 251-3.—**Stulz, E., & Breckenmann, E.** Calcul stercoral arrêté à la valvule de Bauhin; syndrome d'occlusion intestinale chronique simulant une tuberculose iléocaecale. *Strasbourg méd.*, 1927, 85: pt 2, 152.

Perforation, and rupture.

Antonini, F. Perforazione spontanea dell'intestino ileo. *Gazz. toscana sc. med. fis.*, 1849, 7: 241.—**Coates, A. E.** Spontaneous rupture of the ileum. *Melbourne Hosp. Clin. Rep.*, 1933, 4: 53.—**Gaither, E. H.** Perforation of the ileum; case with foreign body free in the abdominal cavity. *Med. Clin. N. America*, 1933, 17: 1185-97.—**Kudirka, St.** [Case of multiple perforations of the intestineum ilei of uncertain origin] *Medicina, Kaunas*, 1940, 21: 615-8.—**Pryn, R. H. C.** Two cases of perforation of the ileum. *J. R. Army M. Corps*, 1927, 48: 374-8.—**Sweet, R. H., Mallory, T. B., & Allen, A. W.** Foreign-body perforation of ileum; general peritonitis. *N. England J. M.*, 1942, 226: 891.

Physiology.

Bickel, A., & Kanitz, H. R. Ueber die Zusammensetzung des reinen Darmsaftes aus dem untersten Abschnitte des Ileums beim Menschen. *Biochem. Zschr.*, 1934, 270: 378-81.—**Calabro, O.** Sulla motilità dei vari tratti intestinali; l'enterogramma dell'ileo e del colon nel cane. *Riv. Biol.*, 1933, 15: 457-75, 5 ch.—**Dean, B. F., Jr.** An experimental study of the reaction of the contents of the terminal portion of the ileum. *Am. J. M. Sc.*, 1930, 179: 828-33. Also *Proc. Mayo Clin.*, 1929, 4: 326-8.—**Dennis, C., & Visscher, M. B.** Studies on the rates of absorption of water and salts from the ileum of the dog. *Am. J. Physiol.*, 1940-41, 131: 402-8.—**Doty, J. R., & Eaton, A. G.** The absorption of glycine and histidine from isolated loops of the ileum of urethanized dogs. *Ibid.*, 1940, 129: 346.—**Doubilet, H., & Reiner, M.** Absorption of fat from the ileum in human beings. *Arch. Int. M.*, 1937, 59: 857-64.—**Douglas, D. M., & Mann, F. C.** The activity of the lower part of the ileum of the

dog in relation to the ingestion of food. *Am. J. Digest. Dis.*, 1939-40, 6: 434-9.—**Krueger, H., Lampe, I.** [et al.] Contributions to the analysis of records obtained from balloons within Thiry-Vella loops of the dog's ileum. In *Rep. Com. Drug Addict.* (U. S. Nat. Res. Council.) 1941, 824.—**Lapenna, M.** La peristalsi dell'ultima porzione del tenue (ileo) studiata mediante la radiografia in serie. *Radiol. med.*, Milano, 1924, 11: 574-80.—**Sachs, J. W., & Ivie, J. McK.** The effect of acid on the guinea pig ileum contracted by acetylcholine and histamine. *J. Pharm. Exp. Ther.*, 1936, 57: 253-7.—**Siaulis, B., & Sollmann, T.** The response of the circular and longitudinal muscle of rabbits' ileum to physical and mechanical conditions. *Ann. J. Physiol.*, 1927, 81: 579-605.—**Sumwalt, M., & Krueger, H.** The effect of various distending pressures on the activity of the dog's ileum. *Ibid.*, 1936, 116: 152.—**Zollner, S.** Dünndarmtätigkeit und Nahrung. ein Beitrag zur Frage des gastroilealen Reflexes. *Fortsch. Röntgenstrahl.*, 1938, 57: 356-66.

Radiology.

CAILLARD, E. J. B. *Contribution à l'étude radiologique de la valvule iléo-coecale et de l'iléon terminal [Paris] 74p. 24cm. Mont-rouge, 1939.

Carter, L. J. Radiological findings in the terminal ileum and the proximal colon; a 25 year post-operative retrospect. *Canad. M. Ass. J.*, 1942, 46: 151-5.—**Crohn, B. B., & Yarnis, H.** The anatomical position of the ileum in health and disease. *Radiology*, 1939, 33: 325-30.—**Emery, E. S., & Monroe, R. T.** Radiographic abnormalities of the ileo-cecal region; with a discussion on their interpretation. *Boston M. & S. J.*, 1927, 197: 337-45.—**Györgyi, G.** [Diagnostic importance of examination of the mucosal relief in the lower ileum by irrigoscopy] *Magy. röntg. közl.*, 1934, 8: 116-22. — Le rôle de l'irrigoscopie dans la radiodiagnostic de l'intestin grêle terminal. *J. radiol. électr.*, 1934, 18: 285-9.—**Impiombato, G., & Capua, A.** Studio radiologico della ultima ansa del tenue. *Radiol. med.*, Milano, 1932, 19: 1113.—**Lust, F. J.** Roentgenological studies of the mucosa of the normal terminal ileum. *Am. J. Roentg.*, 1941, 45: 63-8.—**Ottonello, P.** La proiezione laterale sinistra-destra del tratto ileo-ceco-colico. *Radiol. med.*, Milano, 1929, 16: 74-90.—**Perona, P.** I processi cronici e produttivi dell'ileo terminale studiati con le serigrafie mirate. *Arch. radiol.*, Nap., 1934, 10: 145-81.—**Rose, C. B.** The terminal ileum, cecum, and ascending colon from the standpoint of the roentgenologist. *Radiology*, 1933, 21: 266-75.

Sarcoma.

HECK, H. *Ueber Sarkome des Dünndarms (und Bericht über einen Fall von Myosarkom des Ileums) [Berlin] 24p. 23½cm. Charlottenb., 1937.

RACHÉ [W.] G. *Ein Beitrag zur Casuistik der Dünndarmsarkome. 27p. 23cm. Berl., 1937.

Carson, W. J. Lymphosarcoma of the ileum. *J. Internat. Coll. Surgeons*, 1941, 4: 72-6.—**Cope, V. Z., & Grant, H. M.** A case of lymphosarcoma of the ileum. *Brit. J. Surg.*, 1941-42, 29: 356-8.—**Cristofanetti, P.** Su due casi d'invaginazione (ileo-colica per sarcoma della valvola ileo-cecale e ileo-cecocolica da polipo dell'ultima ansa ileale) *Ann. radiol.*, Bologna, 1936, 10: 315-28.—**Donovan, R. E., & Lima, E. J.** Invaginación ileo-ileal por sarcoma fibroblástico. *Bol. Acad. argent. cir.*, 1942, 26: 483-91.—**Foa, A.** Sopra un caso di linfosarcoma primitivo dell'ileo in un bambino. *Pediat. med. prat.*, Tor., 1933, 8: 704-13.—**Frankman, C. F., & Drummond, D. H.** Primary sarcoma of the ileum with perforation; case report. *Ohio M. J.*, 1940, 36: 841.—**Gambo, M.** Invaginación ileo-ileal, por sarcoma fibroblástico. *Bol. Acad. argent. cir.*, 1942, 26: 693-5.—**Lefèvre, H.** Sur un cas de lymphosarcome de l'iléon. *Bordeaux chir.*, 1931, 2: 417.—**Lussana, S.** Due resezioni ileo-trasverso-coliche per neoplasma del cieco. *Minerva med.*, Tor., 1928, 8: pt 2, 230-40.—**McDermott, J. G.** Leiomyosarcoma of the ileum. *Canad. M. Ass. J.*, 1936, 35: 22.—**Mahaffey, H.** Report of case of fibrosarcoma of ileum. *Kentucky M. J.*, 1940, 38: 567-71.—**Miller, M. O.** Lymphosarcoma of the ileum, with report of a case. *N. Orleans M. & S. J.*, 1928-29, 81: 322-6.—**Odén, O.** [Case of lymphosarcoma of the ileum] *Sven. lak. tidn.*, 1938, 840: 903.—**Pribytkov, G. N.** [Cases of primary sarcoma of the ileum] *Vrach. gaz.*, 1929, 33: 862.—**Prini, I., & Magalhães, A.** Linfosarcoma del fleon y del tejido subperitoneal. *Prensa méd. argent.*, 1937, 24: 1003-15.—**Pugliatti, V.** Leiomioma sarcomatode diverticolare dell'ileo, ad esito insolito. *Clin. ostet.*, 1934, 36: 702-18.—**Rucker, W. H.** Lymphosarcoma of the ileum; report of a case. *Minnesota M.*, 1939, 22: 871-3.—**Ruvertoni, F., & Larghero Ibarz, P.** Linfosarcoma del ileon. *Ann. Fac. med.*, Montev., 1929, 14: 590-604.—**Stevens, A. E.** Lympho-sarcoma of ileum. *Ind. M. Caz.*, 1939, 74: 622.—**Weible, R. E.** Leiomyosarcoma of the ileum. *Minnesota M.*, 1940, 23: 602.—**Whitaker, L., & Fisher, J. H.** Primary lymphosarcoma of the ileum with perforation and death from acute peritonitis. *Canad. M. Ass. J.*, 1934, 30: 420.—**Widmeyer, R. S., & Mathews, A. R. K.** Leiomyosarcoma of the ileum. *West Virginia M. J.*, 1939, 35: 34-7.—**Yokoyama, M.** Zwei Fälle von primären Sarkomen aus dem Ileumende. *Arch. jap. Chir.*, 1937, 14: 744-7.

Surgery.

See also Ileocolostomy; Ileosigmoidostomy; Ileostomy.

LAFITTE, H. *La suture bord à bord dans l'iléo-colectomie en un temps (anastomose termino-terminale) 135p. 8° Par., 1926.

Also *Arch. fr. belg. chir.*, 1926, 29: 674-95.

Alberto Caeiro, J. Resultado funcional de la anastomosis ileo-cólica valvular término-terminal. *Bol. Acad. argent. cir.*, 1942, 26: 525-34.—**Glassman, J. A.** An artificial ileocecal valve. *Surg. Gyn. Obst.*, 1942, 74: 92-8.—**Holm, C. E.** The fate of the sidetracked loop of ileum following lateral anastomosis for complete, benign obstruction; a clinical experimental study. *Ibid.*, 1933, 56: 740-51.—**Isaac, C. L.** Five cases of ileo-caecal resection. *Brit. M. J.*, 1928, 1: 257.—**Pieri, G.** La resezione del plesso ileocolico. *Minerva med.*, Tor., 1940, 31: pt 2, 560 (microfilm).—**Quénu, J.** Un cas d'iléo-coloplastie. *Bull. Soc. nat. chir.*, Par., 1933, 59: 856-63.—**L'iléo-coloplastie.** *J. chir.*, Par., 1933, 42: 15-48.—**Radice, L.** Ricerche sperimentali sul comportamento anatomico e funzionale di anse di ileo innestate sul colon. *Ann. ital. chir.*, 1932, 11: 847.—**Robineau, M., & Lafitte, H.** Technique et résultats de l'iléo-colectomie. *Arch. mal. app. digest.*, Par., 1926, 16: 1098-112.—**Turner, G.** A portion of ileum 10 in. long which was enucleated from its inflamed and oedematous peritoneal coat under the supposition that the appendix was being removed. *Tr. M. Soc. London*, 1938, 61: 106.

Tumor.

See also subheadings (Angioma; Cancer; Carcinoid; Myoma; Sarcoma)

Bagnaresi, G. Contributo radiologico e clinico allo studio dei tumori dell'ileo. *Arch. radiol.*, Nap., 1931, 7: 745-64.—**Casaubon, A., Rocca, M. C., & Trostbach, F. M.** Invaginación intestinal crónica por linfoma de la porción terminal del ileon; operación de Barker; curación. *Sem. méd.*, B. Air., 1942, 49: pt 2, 894-8.—**Delore, X.** Invaginación ileo-ileale par tumeur fibro-myxomatense; désinvagination; résection du grêle. *Lyon chir.*, 1936, 33: 334.—**Du Bourguet, Perrignon de Troyes & Paponnet.** Tumeur bénigne de l'intestin grêle, fibro-myxome, ayant entraîné une occlusion aiguë par invagination iléo-ileale; entérectomie; guérison. *Mém. Acad. chir.*, Par., 1938, 64: 286-91.—**Fobe, H.** Endométrione intestinal; résection iléo-coecale avec 5 ans plus tard, récidive dans une hernie épiploïque. *Bull. Soc. obst. gyn.*, Paris, 1937, 26: 355.—**Gallo, A. G., & Pozzo, J. J.** Endometrioma del fleon. *Bol. Acad. argent. cir.*, 1940, 24: 999-1010. Also *Rev. cir. B. Aires*, 1942, 21: 104. Also *Sem. méd.*, B. Air., 1941, 48: 69-75.—**Glenn, P. M., & Thornton, J. J.** Endometriosis of the ileum with chronic partial intestinal obstruction. *Clin. Bull.*, Cleveland, 1940, 4: 15-7. Also *J. Am. M. Ass.*, 1940, 115: 520-2.—**Iason, A. H., & Filiberbaum, M. B.** Intussusception in an adult associated with adenoma of ileum. *Ann. Surg.*, 1931, 93: 1191-6.—**Keller & Fobe.** Endométrione intestinal; résection iléo-coecale 5 ans plus tard récidive dans une hernie épiploïque. *Gynécologie*, Par., 1937, 36: 17-23.—**Knoepf, L. F.** Submucous lipoma of the ileum with intussusception: report of a case. *Proc. Mayo Clin.*, 1933, 8: 765-8.—**Lee, W. E., & Taylor, J. S.** Argentaffine tumors of the terminal ileum; a cause of intestinal obstruction. *Surg. Gyn. Obst.*, 1934, 59: 469-73.—**Masmonteil, F.** Invaginación iléo-coecale due à une tumeur de l'intestin grêle; résection iléo-coecale; guérison. *Bull. Soc. chir.*, Paris, 1933, 25: 51-6.—**Milles, G.** Lymphangioma of the ileum. *Tr. Chicago Path. Soc.*, 1930, 13: 316.—**Morrison, W. A.** A case of double intussusception from tumor of the terminal ileum. *Surg. Clin. N. America*, 1928, 8: 1473-8.—**Muir, E. G.** Lymphoma of ileum? *Proc. R. Soc. M.*, Lond., 1938-39, 32: Sect. Surg. Proct., 910.—**Nard.** Fibrome développé dans le méso intestinal, au carrefour de la terminaison du méso de l'iléon, du méso de l'appendice et du méso du caecum, simulant un kyste de l'ovaire, et enlevé par hémicolectomie droite. *Bordeaux chir.*, 1936, 7: 352.—**Paná, T., & Popescu, C.** [Sub-occlusive polypi of the ileum, complicated by invagination] *Soitalul*, 1939, 59: 73-6.—**Perry, C. L., & Peters, J. S.** Myxofibroma of the ileum. *Bull. Jackson Mem. Hosp.*, Miami, 1941, 3: 17-20.—**Rodríguez Egaña, A.** Invaginación iléo-ileal por tumor de intestino delgado. *Bol. Acad. argent. cir.*, 1942, 26: 520-5.—**Schousboe, J.** Neurinoma intestini ilei. *Nord. med.*, 1941, 10: 1305.—**Sowles, H. K., Schatzki, R., & Mallory, T. B.** Polyp of ileum; intussusception. *N. England J. M.*, 1942, 227: 488.—**Wald, B.** [Radiogram of an inflammatory tumor of ileum] *Gyógyászat*, 1935, 75: 350.—**Warfield, J. O., jr.** Argentaffinoma of the ileum; report of a case. *Med. Ann. District of Columbia*, 1939, 8: 242-4.

Ulcer.

Bissell, A. D. Localized chronic ulcerative ileitis. *Ann. Surg.*, 1934, 99: 957-66.—**Bogolepov, S. V.** [Perforating ulcers of the ileum] *Khirurgia*, Moskva, 1938, No. 4, 157.—**Fenster, E.** Ileitis ulcerosa. *Beitr. klin. Chir.*, 1936, 164: 462-75.—**Heim, K.** Ileitis ulcerosa stenans unter dem Bilde eines Adnextumors. *Zbl. Gyn.*, 1938, 62: 2359-66.—**Kállay, F.** [Ulcer simplex ilei] *Gyógyászat*, 1938, 78: 519.—**König, A.** Ueber ein in das Colon perforiertes Ulcus simplex ilei. *Beitr. klin. Chir.*, 1929, 147: 133-7.—**Landois, F.** Ueber Ileitis

ulcerosa. Zbl. Chir., 1937, 64: 1690-2.—**Levitsky, B. P.** [Case of ileus simplex idiopathium ilei perforativum] Khirurgia, Moskva, 1938, No. 2, 133-5.—**Maddock, W. G., & Coventry, M. B.** A perforated ulcer of the ileum opposite a Meckel's diverticulum. Surg. Gyn. Obst., 1941, 73: 105-7.—**Patton, C. L.** Simple solitary ulcer of the ileum. Tr. West. Surg. Ass. (1928) 1929, 28: 439-55.—**Reccius, A.** Ulcus pepticum des Ileum bei gleichzeitigem Bestehen eines Meckel'schen Divertikels. Zbl. Chir., 1928, 55: 2058-60.—**Röpke, W.** Zur Kenntnis der tumorbildenden, ulzerösen stenosierenden Entzündung des unteren Ileum. Ibid., 1934, 61: 1568-72.—**Wu, P. P. T., & Thompson, H. G.** Observations on the experimental production of peptic ulcer in the ileum. Brit. J. Surg., 1936, 24: 183-7, 3 pl.

Volvulus.

Chardonneau, Chaptal & Laux. Volvulus de l'S iliaque. Bull. Soc. sc. méd. biol. Montpellier, 1926-27, 8: 306.—**Cochrane, W. A.** Ileo-caecal volvulus from adhesions formed by left-sided pelvic appendicitis. Brit. M. J., 1929, 1: 193.—**Hardouin, P.** Quatre observations de volvulus de l'S iliaque. Bull. Soc. nat. chir., Par., 1935, 61: 225-33.—**January, D. A., & Smith, E. B.** Antenatal volvulus with strangulation and perforation involving a portion of the ileum. Am. J. Surg., 1940, 50: 135-7.—**Johnson, E. T.** Volvulus of the ileum. Jackson Co. M. J., 1934, 28: No. 40, 9.—**Kiernan, P. C., & Clagett, O. T.** Volvulus of the ileum; report of case. Proc. Mayo Clin., 1942, 17: 446-8.—**Levine, V.** Volvulus of lower ileum. In Path. Conf. (Jaffé, R. H.) Chic., 1940, 714-6.—**Miller, J. M., & Clagett, O. T.** Volvulus of the ilcocecal region. Proc. Mayo Clin., 1940, 15: 424-7.—**Pauchet, V.** Volvulus iliaque conséquence d'une dolichosigmoïde traitement; colectomie segmentaire en ou 2 temps. J. méd. Paris, 1932, 52: 801.—**Also Rev. techn. chir., Par., 1933, 25: 8-24.**—**Steinke, C. R.** Volvulus of the ileum in the newborn. Tr. Ass. Physicians Mayo Clin. (1928) 1929, 9: 138.—**Stoian, C., & Costescu, P.** Occlusion intestinale à double siège, par volvulus du colon ilio-pelvien, et torsion de la portion terminale de l'iléon. Mém. Acad. chir., Par., 1936, 62: 798-801.—**Valentine, J. S., Kinnear, J. S.** Ileo-caecal volvulus in a mental patient. Brit. M. J., 1937, 2: 417.

ILEUS.

See also under name of intestinal segment affected as Colon (Intussusception; Obstruction; Volvulus) Duodenum (Obstruction; Volvulus) Ileum (Invagination; Obstruction; Volvulus); also under primary diseases as Appendicitis; Ileum, Meckel's diverticulum; Intestine, Atresia; Intestine, small, Invagination; Peritonitis, etc.; also in 3. ser. Intestine, Obstruction.

BECKER, P. *Intestinal obstruction [Marquette Univ.] 22p. 8° Wauwatosa, Wis., 1932.

KNAUT, H. *Ueber Ileus. 56p. 8° Jena. 1936.

STOPPATO, U. Occlusion intestinale. 354p.; 14p. 8° Roma, 1926.

In Arch. Soc. ital. chir. (1925) 1926, 32: WANGENSTEEN, O. H. Intestinal obstructions. 2. ed. 484p. 25 $\frac{1}{2}$ cm. Springf. [1942]

Abell, I. Ileus. Proc. Interst. Postgrad. M. Ass. N. America, 1933, 212-6.—**Bakay, L.** [et al.] [Ileus] Magy. orv. nagyfét jegyzőköve, 1933, 3: 222-43.—**Baring, S.** Intestinal obstruction. Practitioner, Lond., 1942, 149: 129-36.—**Battersby, J. S.** Bowel obstruction. Q. Bull. Indiana Univ. M. Center, 1941, 3: 98.—**Bazin, A. T.** Intestinal obstruction. Canad. M. Ass. J., 1931, 25: 558-63.—**Bender, C. A.** Ileus. Memphis M. J., 1935, 10: No. 12, 10-3.—**Binet, L.** L'occlusion intestinale, son syndrome humoral, son traitement dit médical. In his Leçons phys. méd. chir., Par., 1935, 77-88.—**Bukin, S. G.** [Intestinal obstruction] Sovet. med., 1940, 4: No. 23, 19-22.—**Bunch, G. H.** Intestinal obstruction. South. M. & S., 1927, 89: 10-3.—**Burgess, C. M.** Intestinal obstruction. Proc. Clinic, Honolulu, 1941, 7: 51-5.—**Campbell, S. A.** Bowel obstruction. Nebraska M. J., 1935, 20: 463.—**Carson, H. W.** Intestinal obstruction. Postgrad. M. J., Lond., 1929, 4: 55-60.—**Caywood, B. E.** Intestinal obstruction. Kentucky M. J., 1940, 48: 446-50.—**Christopher, F.** Intestinal obstruction. Illinois M. J., 1935, 67: 515-7. Also Radiol. Rev., 1936, 58: 34.—**Conzett, D. C.** Intestinal obstruction. J. Iowa M. Soc., 1930, 20: 547-50.—**Curry, W. A.** Intestinal obstruction. Canad. M. Ass. J., 1940, 43: 352-5.—**Doerfler, H.** Der Darmverschluss (Ileus) In his Für Praxis, Münch., 1938, 2: 298-320.—**Donaldson, J. K.** Intestinal obstruction. J. Arkansas M. Soc., 1937-38, 34: 87-9.—**Drueck, C. J.** Intestinal obstruction. Med. J. & Rec., 1930, 131: 512-5.—**Eckhoff, N. L.** Intestinal obstruction. In Brit. Encycl. M. Pract. (Rolleston, H.) Lond., 1938, 7: 221.—**Erdmann, J. F.** Intestinal obstruction. J. M. Soc. N. Jersey, 1927, 24: 515-9.—**Eve, F. C.** Disordered regulation of traffic in the gut. Brit. M. J., 1933, 1: 364-6. Also Ind. M. Rec., 1933, 53: 183-7.—**Flynn, C. W.** Intestinal obstruction. Med. Rec., Houston, 1926, 20: 154-8.—**Gigon, A.** Ueber den

Ileus. Wien. med. Wschr., 1932, 82: 107-10.—**Green, J. A.** Ileus intestinal obstruction. Illinois M. J., 1938, 74: 315-20.—**Haynes, H. H., Weaver, A. J., & Lembright, J. F.** Intestinal obstruction. West Virginia M. J., 1939, 35: 459.—**Iloy, C. DaC.** Ileus (bowel obstruction) a review. Internat. Clin., 1937, 47. ser. 4: 263-96.—**Hunt, V. C.** Intestinal obstruction. Southwest. M., 1936, 20: 167-70.—**Jose, I. B.** Intestinal obstruction. Med. J. Australia, 1940, 1: 215-9.—**Kaiser, F. J.** Der Darmverschluss. Med. Welt, 1935, 9: 1425-8.—**Kaufman, J.** Intestinal obstruction; diagnosis, biochemistry and relationship to therapy. Am. J. Surg., 1936, 34: 72-5.—**Kretschmar, C. A.** Intestinal obstruction. Rep. Wayne Co. M. Soc., 1933-34, 4: 48-53.—**L., M.** Intestinal obstruction. Pennsylvania M. J., 1941-42, 45: 373.—**Lewis, D.** Intestinal obstruction. Wisconsin M. J., 1929, 28: 195-9.—**Lupton, C. H.** Intestinal obstruction. Virginia M. Month., 1939, 66: 610-20.—**McGehee, J. L.** Intestinal obstruction. Mississippi Doctor, 1934-35, 12: 10-6.—**Mateer, J. G.** Intestinal obstruction. Tr. Am. Gastroenter. Ass. (1930) 1931, 33: 67-72.—**Michael, P. R.** [Ileus] Geneesk. gids, 1938, 16: 1344-54.—**Miller, G.** Intestinal obstruction. Canad. M. Ass. J., 1932, 26: 420-6.—**Molesworth, H. W. L.** Intestinal obstruction. Clin. J., Lond., 1938, 67: 338-43.—**Paul, M.** Intestinal obstruction. J. Ceylon Brit. M. Ass., 1939, 36: 383-402.—**Prat, D.** Ileus; occlusion y obstrucción intestinal. An. Fac. med., Montev., 1931, 16: 49, 2 pl.; 321; 1932, 17: 27; 237; 1933, 18: passim.—**Remijnse, J. G.** [Ileus] Ned. tschr. geneesk., 1937, 81: 2488-95.—**Ritchie, W. P.** Intestinal obstruction. Clin. Med., 1942, 49: 111.—**Rosenthal, J.** [Intestinal occlusion] Orv. hetil., 1935, 79: 523-6.—**Ruding, R.** [Ileus] Ned. tschr. geneesk., 1939, 83: 1953-9.—**Rusanov, A. G.** [On the origin and significance of the word ileus] Vest. khir., 1939, 57: 243-9.—**Sandifer, F. W., jr.** Intestinal obstruction. Mississippi Doctor, 1939-40, 17: 599-603.—**Scheetz, M. E.** Intestinal obstruction. Eclect. M. J., 1936, 96: 467-72.—**Sebastian, S. P.** Intestinal obstruction. J. Nat. M. Ass., Newark, 1930, 22: 181-6.—**Shier, R. V. B.** Intestinal obstruction. Canad. M. Ass. J., 1928, 18: 40-5.—**Silver, P. G.** Intestinal obstruction. Ibid., 1930, 22: 839-42.—**Stone, H. B.** Intestinal obstruction. Med. Rec., Houston, 1941, 35: 815-9. Also Mississippi Doctor, 1936-37, 14: No. 11, 1-6. Also Northwest M., 1942, 41: 340-3.—**Storck, E. H.** Ileus. Med. Rec., N. Y., 1934, 140: 432-5.—**Sturgeon, C. T.** Intestinal obstruction. California West. M., 1935, 42: 34-7.—**Syms, G. F.** Intestinal obstruction. J. R. Nav. M. Serv., 1936, 22: 284-90.—**Warren, R.** Intestinal obstruction. Brit. M. J., 1936, 1: 245-8.—**Woods, G. W.** Intestinal obstruction. Mem. Congr. med. panamer. (1896) 1898, 2. Congr., 2: 303-19.—**Wright, A. M.** Intestinal obstruction. J. M. Soc. N. Jersey, 1935, 32: 465.—**Wright, E. B.** Intestinal obstruction. West Virginia M. J., 1932, 28: 564-9.

acute.

DE WERTH, J. H. *Acute intestinal obstruction. 13p. Milwaukee, Wisc., 1937.

MELVER, M. A. Acute intestinal obstruction. 430p. 8° N. Y., 1934.

PALLASCH, F. J. *Acute intestinal obstruction [Marquette Univ.] 26p. 8° Milwaukee, Wisc., 1932.

PENNSYLVANIA. UNIVERSITY. BICENTENNIAL CONFERENCE. Problems of intestinal obstruction. 56p. 23cm. Phila., 1941.

SCHNAPP, A. C. *Acute intestinal obstruction. 17p. Wauwatosa, Wisc., 1937.

Abell, I. Acute intestinal obstruction. J. Am. M. Ass., 1930, 95: 1903-7.—**Austin, R. C.** Acute intestinal obstruction. Ohio M. J., 1936, 32: 514-6.—**Beck, W. C.** Acute intestinal obstruction. Guthrie Clin. Bull., 1939, 9: 73-7.—**Best, R. R.** Some phases of acute intestinal obstruction. Nebraska M. J., 1930, 15: 225-8.—**Bleizinger, Ueber akuten Ileus.** Med. Korb. Württemberg, 1926, 96: 267; 291.—**Bliss, R. W.** Acute intestinal obstruction. Mil. Surgeon, 1932, 71: 152-61.—**Boidalov, F. T.** [Clinical course, pathology and mechanism of rare forms of acute intestinal obstruction] Vest. khir., 1932, 27: 57-70.—**Brooks, L.** Acute intestinal obstruction. California West. M., 1934, 41: 219-22.—**Brown, K. P.** Acute intestinal obstruction. Lanet, Lond., 1942, 1: 279. — Acute intestinal obstruction from the clinical standpoint. Edinburgh M. J., 1942, 49: 234-46.—**Buchanan, A. S.** Acute intestinal obstruction. Tristate M. J., 1934, 6: 1288.—**Bunker, W. H.** Acute ileus. Maine M. J., 1936, 27: 33-5.—**Burgess, A. H.** Acute intestinal obstruction. Brit. M. J., 1932, 2: 542. Also Internat. M. Blue Book, 1935, 5: 1-9. Also Lancet, Lond., 1929, 1: 857-9.—**Burgess, A. H., Frankau, C. H. S.** [et al.] Discussion on acute intestinal obstruction. Tr. M. Soc. London, 1928-29, 52: 249-63.—**Calleja, C.** Occlusion intestinal aguda. Siglo méd., 1930, 86: 401-3.—**Deaver, J. B.** Acute intestinal obstruction. N. York State J. M., 1929, 29: 1383-90.—**Dixon, C. F.** Acute intestinal obstruction. N. Orleans M. & S. J., 1932, 85: 87-97. — General remarks regarding acute intestinal obstruction. Proc. Mayo Clin., 1940, 15: 377.—**Ellis, S. S.** Acute intestinal obstruction. J. Kansas M. Soc., 1942, 43: 338-43.—**Frederick, R.** Acute intestinal obstruction. J. Nat. M. Ass., Newark, 1936, 28: 68-72.—**Gallo, A. G.** Occlusion intestinal aguda. Dia méd., B. Air., 1941, 13: 1373-5,—

- Haggard, W. D. Acute intestinal obstruction. *J. Am. M. Ass.*, 1928, 90: 1424-7.—Kadyrov, I. G. [Pathologico-anatomical data on acute intestinal obstruction] *Sborn. nauch. trud. Bashkir. gosud. med. inst.*, 1938, 1: 56-69.—Kent, G. B., & Sawyer, K. C. Acute intestinal obstruction. *Rocky Mountain M. J.*, 1942, 39: 283-7.—Kerr, A. B. Acute intestinal obstruction. *Glasgow M. J.*, 1936, 125: 5; 245.—Lemberg, D. A. [Anomalies of the intestinal tract as cause of acute intestinal obstruction] *Vest. khir.*, 1938, 56: 589-95.—McCormick, E. J. Acute ileus. *Ohio M. J.*, 1930, 26: 117-21.—McGlannan, A. Acute intestinal obstruction. *South. M. & S.*, 1930, 92: 221-7.—McIver, M. A. Acute intestinal obstruction; general considerations. *Arch. Surg.*, 1932, 25: 1098-105.—Mackey, W. A. Acute intestinal obstruction. *Med. Press & Circ.*, Lond., 1939, 202: 297-304.—MacLean, N. J. Acute intestinal obstruction. *Manitoba M. Ass. Rev.*, 1941, 21: 207-11.—Melnikov, A. V. [Characteristics of acute intestinal obstruction] *Nov. khir. arkh.*, 1937, 38: 156-69.—Meyer, K. A., & Brams, W. A. A clinical study of acute intestinal obstruction. *Illinois M. J.*, 1927, 51: 43-7.—Moir, P. J. Acute intestinal obstruction. *Med. Press & Circ.*, Lond., 1939, 202: 196-9.—Molesworth, H. W. L. Acute intestinal obstruction. *Brit. M. J.*, 1929, 2: 342-4.—Moore, G. A. Acute intestinal obstruction. *Rhode Island M. J.*, 1927, 10: 173-9.—Naegeli, T. Der akute Darmverschluss. *Med. Welt*, 1936, 10: 513-5.
- Der akute Ileus. *Helvet. med. acta*, 1934, 1: 33-58.—Nafe, C. A. Acute intestinal obstruction. *J. Indiana M. Ass.*, 1934, 27: 293-8.—Newland, H. S. Acute intestinal obstruction. *Brit. M. J.*, 1932, 2: 539.—Nichols, B. H. Acute intestinal obstruction. *Ohio M. J.*, 1938, 34: 884-6.—Norman, J. F. Acute intestinal obstruction. *Minnesota M.*, 1927, 10: 93-6.—North, J. P. Acute intestinal obstruction. *Internat. Clin.*, 1929, 39, ser., 3: 206-15.—O'Brien, H. J. Acute intestinal obstruction. *Tr. Minnesota M. Ass.*, 1903, 35: 106-17.—Ochsner, A. Acute ileus. *J. M. Ass. Alabama*, 1932, 2: 104.
- Acute intestinal obstruction. *J. Missouri M. Ass.*, 1931, 28: 407-14.—Also *South. M. J.*, 1931, 24: 93-7.—Pagensteher, G. A., & Gonzales, H. N. Acute intestinal obstruction. *Med. Rec.*, N. Y., 1934, 140: 675.—Pawlowski, B. [Acute intestinal obstruction] *Lek. wojsk.*, 1931, 17: 117-90.—Porter, A. R., jr. Acute intestinal obstruction. *Memphis M. J.*, 1942, 17: 190-2.—Quinn, R. G. Acute intestinal obstruction. *Med. J. Australia*, 1928, 1: 795-800.—Ravdin, I. S., & Johnston, C. G. Some problems of acute intestinal obstruction. *Am. J. M. Sc.*, 1940, 199: 289-95.—Roberts, C. G. The modern concept of acute intestinal obstruction. *Illinois M. J.*, 1935, 67: 163-6.—Also *J. Nat. M. Ass.*, Newark, 1935, 27: 110-3.
- Russell, R. D. Acute intestinal obstruction. *J. Kansas M. Soc.*, 1930, 31: 351-4.—Sipes, D. R. Acute intestinal obstruction. *Nat. Elect. M. Ass. Q.*, 1939-40, 31: 33-7.—Smithies, F. Acute intestinal obstruction. *J. Am. M. Ass.*, 1930, 95: 1899-903.—Stoppato, U. L'occlusion intestinale acuta. *Studium*, Nap., 1926, 16: 16.—Strobel, W. G. Acute intestinal obstruction. *Minnesota M.*, 1932, 15: 836-40.—Stukas, B. [Acute intestinal occlusion] *Medicina*, Kaunas, 1936, 17: 879-81.—Taylor, W. Acute emergencies of general practice; acute intestinal obstruction. *Irish J. M. Sc.*, 1927, 6, ser., 34-7.—Trémolières, F., & Marecau, J. Péri-entéro-colites et occlusion intestinale aiguë. *Presse méd.*, 1928, 36: 1489-91.—Trout, H. H. Acute intestinal obstruction. *Virginia M. Month.*, 1937-38, 64: 256-64.—Trussler, H. M. A general consideration of acute intestinal obstruction. *J. Oklahoma M. Ass.*, 1935, 28: 164-9.—Turner, J. W. Acute intestinal obstruction. *J. M. Ass. Georgia*, 1934, 23: 89-93.—Wikie, D. P. D. Acute intestinal obstruction. *Bristol Med. Chir. J.*, 1930, 47: 97-110.—Also *Brit. M. J.*, 1932, 2: 545.—Also *Clin. J.*, Lond., 1931, 60: 1-6.—Also *Tr. R. Med. Chir. Soc. Glasgow*, 1935, 29: 18-30.—Wilkinson, R. J., & Kappes, W. C. Acute intestinal obstruction. *West Virginia M. J.*, 1926, 21: 180-3.—Yates, H. B. Acute intestinal obstruction. *Clin. J.*, Lond., 1933, 62: 102-9.
- acute: Cases.
- Ali Ibrahim Pacha. A case of acute intestinal obstruction due to a unusual cause. *J. Egypt. M. Ass.*, 1935, 18: 660.—Angel, E., & Kizinski, A. An analysis of 70 cases of acute intestinal obstruction. *South. M. & S.*, 1936, 98: 595-8.—Bottin, J. Un cas d'occlusion intestinale aiguë de cause rare. *Ann. Soc. méd. chir. Liège*, 1935, 68: 145-8.—Also *Liège méd.*, 1935, 28: 1450-6.—Bowles, H. E. Report of a puzzling case of acute intestinal obstruction. *Chin. M. J.*, 1932, 46: 575, pl.—Bresadola, V. Di un caso abbastanza raro di occlusioni intestinale acuta. *Boll. med. trent.*, 1933, 48: 199-205.—Button, E. L. Acute intestinal obstruction; an analysis of Wellington Hospital cases, and statistics. *N. Zealand M. J.*, 1933, 32: 320-9.—Fanstone, J., & Golden, G. An unusual case of acute intestinal obstruction. *Lancet*, Lond., 1928, 2: 15.—Finch, L. H. Acute intestinal obstruction; with report of 60 cases. *N. York State J. M.*, 1928, 28: 195-202.—Floersheim, S. Acute intestinal obstruction; reporting a case with rare pathological findings. *California West. M.*, 1927, 25: 348.—Homans, J. Acute intestinal obstructions; empyema. *J. Maine M. Ass.*, 1941, 32: 107-10.—Judin, S. S. [Certain data and theories concerning acute ileus based on material from the Sklifasovsky Institute for 1928-38] *Vest. khir.*, 1938, 56: 410-35.—Lowman, K. E. Acute intestinal obstruction; with report of 2 cases. *U. S. Nav. M. Bull.*, 1926, 24: 91-6.—McIver, M. A. Acute intestinal obstruction; obstruction due to neoplasms and strangulated external hernias. *Arch. Surg.*, 1932, 25: 1125-34.—Mazzini, O. F. Sobre oclusión intestinal aguda; estadística de 322 casos. *Prensa méd. argent.*, 1934, 21: 1811-8.—Moss, W., & McPetridge, E. M. Acute intestinal obstruction; a comparative study of 511 cases, with special reference to the lowered mortality achieved by modern methods of therapy. *Ann. Surg.*, 1934, 100: 153-66.—Pizzagalli, L. Su alcuni casi di occlusioni intestinali acute. *Boll. spec. med. chir.*, Milano, 1929, 3: 241-54.—Spink, M. S. Three cases of acute intestinal obstruction. *Guy's Hosp. Gaz.*, Lond., 1934, 48: 307-12.—Todyo, T. Acute intestinal obstruction; a statistical survey of 342 cases. *Ann. Surg.*, 1938, 107: 340-9.—Van Beuren, F. T., & Smith, B. C. Acute ileus; analysis of 130 cases operated upon at the Presbyterian Hospital, New York City, from 1932 to 1935, inclusive. *Ibid.*, 321-39.—Vick, R. M. Statistics of acute intestinal obstruction. *Brit. M. J.*, 1932, 2: 546.—Vidgoff, I. J. Acute intestinal obstruction; an analysis of 260 cases treated in the Los Angeles County General Hospital. *Ann. Surg.*, 1932, 95: 801-9.—Voronchikhin, S. I. [Development of rare forms of acute intestinal obstruction (hernia)] *Vest. khir.*, 1940, 60: 208-10.—Watson, J. R. Acute intestinal obstruction due to a mesenteric defect. *Ann. Surg.*, 1937, 106: 1097-100.—Whelan, H. M., & Maxwell, J. A. Five cases of acute intestinal obstruction. *J. R. Nav. M. Serv.*, 1935, 21: 253-7.
- acute: Diagnosis.
- See also other subheadings of Ileus (Diagnosis; Radiography)
- CURRAN, W. P., jr. *The importance of early diagnosis of acute intestinal obstruction and its treatment [Marquette University] 17p. 4? Milwaukee, Wisc., 1930.
- Anson, C. E. H. Unusual misdiagnosis in a case of acute intestinal obstruction. *Lancet*, Lond., 1927, 1: 704.—Barnes, F. L. What minimum symptomatology justifies a clinical diagnosis of acute intestinal obstruction? *Med. Rec.*, Houston, 1937, 31: 419-22.—Bayley, W. A. The diagnosis of acute intestinal obstruction. *Am. J. Surg.*, 1928, n. ser., 4: 419-22.—Collins, C. U. The diagnosis of acute obstruction of the bowels. *Clin. M. & S.*, 1933, 40: 449-51.—Douglass, F. M. The early diagnosis of acute intestinal obstruction. *Am. J. Obst.*, 1930, 29: 196-203.—Dzhanelidze, J. J. [Diagnosis of acute intestinal obstruction] *Vest. khir.*, 1938, 56: 333-47.—Greene, E. I., & Greene, J. M. Acute intestinal obstruction; its early recognition. *Illinois M. J.*, 1935, 67: 51-3.—Heusser, H. Die Diagnose des akuten Ileus. *Helvet. med. acta*, 1934, 1: 1-32.—Nadein, A. P. [Early diagnosis of acute intestinal obstruction] *Khirurgia*, Moskva, 1938, No. 2, 93-8.—Reigner, J. Diagnostic des occlusions intestinales aiguës, occlusions post-opératoires exceptées. *Gaz. hôp.*, 1938, 111: 1474; passim.—Seelaus, H. K. Clinical diagnosis of acute intestinal obstruction. *Pennsylvania M. J.*, 1931, 35: 17-20.—Semih Sumnerman (Clinical diagnosis of acute intestinal occlusion; report of 19 personal cases) *Bull. Soc. turque méd.*, 1940, 6: 30-71.—Van Beuren, F. T., jr. Symptoms and diagnosis of acute intestinal obstruction. *J. M. Soc. N. Jersey*, 1932, 29: 478-83.
- acute: Treatment.
- See also Ileus, Surgery.
- HEUSSER, H. Die Erkennung und Behandlung des akuten Darmverschlusses. 35p. 8? Stuttg., 1936.
- PLATOU, E. Bidrag til den acute tarmocclusionens pathologi og terapi. 174p. 8? Oslo, 1927.
- Amendola, F. H. Acute intestinal obstruction. *Ann. Surg.*, 1935, 101: 1250-6.—Blackburn, J. H. Clinical and surgical aspects of acute intestinal obstruction. *Kentucky M. J.*, 1932, 30: 242-9.—Block, F. B. Acute intestinal obstruction. *Surg. Clin. N. America*, 1932, 12: 1473-83.—Bodenheimer, M., Casten, D., & Fried, J. J. Acute intestinal obstruction; a study of the diagnosis and treatment with an analysis of 104 cases. *J. Internat. Coll. Surgeons*, 1940, 3: 28-49.—Boland, F. K. Treatment of acute intestinal obstruction. *J. M. Ass. Alabama*, 1941, 10: 257-61.—Bonnin, N. J. The pre-operative and post-operative treatment of acute intestinal obstruction. *Med. J. Australia*, 1940, 1: 219-22.—Boyce, F. F., & McPetridge, E. M. Acute intestinal obstruction. *South. Surgeon*, 1937, 6: 109-25.—Bregadze, I. L. [Acute intestinal obstruction] *Vest. khir.*, 1938, 56: 526-31.—Brinkman, H. Acute intestinal obstruction; some important points in its diagnosis and treatment. *J. Maine M. Ass.*, 1942, 33: 51-5.—Bruce, H. A., & Rush, J. W. Better results in acute intestinal obstruction due to recent methods of investigation and treatment. *Canad. M. Ass. J.*, 1929, 21: 269-73.—Coates, A. E. The treatment of acute intestinal obstruction from non-malignant causes at the Melbourne Hospital for the 5-year period June, 1924, to June, 1929. *Melbourne Hosp. Clin. Rep.*, 1931, 2: 109-16.—Codington, H. A. Diagnosis and treatment of acute intestinal obstruction. *South. M. & S.*, 1931, 93: 877-9.—Cokkins, A. J. Acute intestinal obstruction and peritonitis. *In Postgrad. Surg.* (Maine, R.) N. Y., 1936, 1: 973-1033.—DeCourcy, J. L. Acute intestinal obstruction. *Am. J. Surg.*, 1937, 35: 532-8.—Dixon, C. F. Acute intestinal obstruction.

- Surg. Clin. N. America, 1929, 9: 211-8. — & Deuterman, J. L. Acute intestinal obstruction. *Ibid.*, 1937, 17: 983-93.
- Dor, J. Considérations cliniques et thérapeutiques sur 28 cas d'occlusion intestinale aiguë. *Marseille méd.*, 1941, 78: 386-95.
- Elman, K. The treatment of late acute intestinal obstruction; recent experimental and clinical studies. *Surg. Gyn. Obst.*, 1933, 56: 175-81.
- Emhardt, J. W. The management of acute intestinal obstruction. *J. Indiana M. Ass.*, 1930, 23: 356-62.
- Engel, L. P. Some important points in the diagnosis and treatment of acute intestinal obstruction. *Nebraska M. J.*, 1938, 23: 441-4.
- Ginzburg, L. Management of acute intestinal obstruction. *J. Mount Sinai Hosp. N. York*, 1937-38, 4: 308-17.
- Gurevich, G. M. [Acute intestinal obstruction] *Vest. khir.*, 1938, 56: 554-69.
- Hendon, G. A. Acute intestinal obstruction. *Internat. J. Surg.*, 1928, 41: 575-9.
- Heusser, H. Zur Behandlung des akuten Darmverschlusses (interoperative Adsorptionstherapie). *Helvet. med. acta*, 1937, 4: 592-6.
- Heyd, C. G. The management of acute intestinal obstruction. *South. Surgeon*, 1941, 10: 548-53.
- Holden, W. B. Acute intestinal obstruction; its treatment. *California West. M.*, 1929, 31: 403-5.
- Isserson, M. D. [Acute intestinal obstruction] *Vest. khir.*, 1938, 56: 532-6.
- Kaplan, A. V. [Acute intestinal obstruction] *Ibid.*, 539-41.
- Khatsis, G. M. [Acute intestinal obstruction] *Ibid.*, 737-46.
- Kirk, R. D., jr. Modern trends in treatment of acute intestinal obstruction. *Mississippi Doctor*, 1941-42, 19: 121-6.
- Korolev, B. A. [Acute intestinal obstruction] *Khirurgia, Moskva*, 1937, No. 6, 68-83.
- Ledoux-Lebard, R., Thalheimer, M., & Garcia-Calderon, J. L'occlusion intestinale aiguë; éléments de diagnostic et traitement. In *Tech. chir.* (Gosset, A.) *Par.*, 1936, 273-91.
- Levin, M. M. [Acute intestinal obstruction] *Nov. khir. arkh.*, 1937, 38: 208-11.
- McGehee, J. L. The treatment of acute intestinal obstruction. *Mississippi Doctor*, 1937-38, 15: No. 9, 15-22.
- Also *New Orleans M. & S. J.*, 1936-37, 89: 339-55.
- Mackey, W. A. Acute intestinal obstruction. In *Mod. Treat. Yearb.*, 1940, 273-88.
- Mattison, J. A. Acute intestinal obstruction. *Am. J. Surg.*, 1929, n. ser., 7: 644-6.
- Matus, M. La occlusion intestinal aguda y su tratamiento. *Bol. Soc. cir. Chile*, 1926, 4: 239-43.
- Mayo, C. W., Miller, J. M., & Stalker, L. K. Acute intestinal obstruction. *Surg. Gyn. Obst.*, 1940, 71: 589-98.
- Mendonga, J. Diagnosis and treatment of acute intestinal obstruction. *Ibid.*, 1931, 52: 1115-20.
- Mills, W. M. Acute intestinal obstruction. *Tr. West. Surg. Ass.* (1930) 1931, 40: 501-8.
- Moulouquet, P., & Decarie, R. Conduite à tenir en présence d'une occlusion intestinale aiguë. *Union méd. Canada*, 1934, 63: 157-68.
- Ochsner, A. Acute intestinal obstruction. *Internat. Surg. Digest*, 1931, 12: 3-10.
- Also *Surg. Gyn. Obst.*, 1931, 52: 702-12.
- Oltamare, J. H. Du traitement de l'iléus aigu; méthodes thérapeutiques et mode d'action. *Helvet. med. acta*, 1934, 1: 59-77.
- Orr, T. G. Acute intestinal obstruction. In *Modern Med. Ther.* (Barr, D. P.) *Balt.*, 1940, 2: 2321-31.
- An outline of the treatment of acute intestinal obstruction. *J. Kansas M. Soc.*, 1941, 42: 6-9.
- Management of acute intestinal obstruction. *Nebraska M. J.*, 1933, 18: 163-6.
- Also *Proc. Interst. Postgrad. M. Ass. N. America*, 1939, 160-4.
- Paikin, H. Acute intestinal obstruction; clinical features and treatment. *Univ. Toronto M. J.*, 1929-30, 7: 123-30.
- Pasman, R. E. Tratamiento de la occlusion intestinal aguda del adulto. *Rev. cir. B. Aires*, 1927, 6: No. 12, 785-7.
- Patry, R. Les indications thérapeutiques dans l'iléus aigu. *Helvet. med. acta*, 1934, 1: 78-87.
- Prat, D. Tratamiento de la occlusion intestinal aguda. *Dia méd.*, B. Air., 1933-34, 6: 258.
- Prokhorov, M. K. [Acute ileus] *Sovet. khir.*, 1932, 3: 298-304.
- Quist, H. W. Diagnosis and treatment of acute intestinal obstruction. *Minnesota M.*, 1936, 19: 372-6.
- Quistgaard, P. C. The diagnosis and operability of acute intestinal obstruction. *J. Missouri M. Ass.*, 1938, 35: 75-9.
- Rentschler, C. B. Acute intestinal obstruction; immediate and late results in 100 consecutive cases. *Arch. Surg.*, 1934, 29: 828-36.
- Rochkind, I. M. [Acute intestinal obstruction] *Vest. khir.*, 1938, 56: 512-20.
- Ruiz Moreno, M. Occlusion aguda intestinal; diagnóstico y tratamiento. *Sem. méd.*, B. Air., 1926, 33: pt 2, 62; 144; 228; 274.
- Samarin, N. N. [Pathogenesis and treatment of acute intestinal obstruction] *Nov. khir. arkh.*, 1937, 38: 169-73.
- Singh, S. A treatment of acute intestinal obstruction. *Ind. M. Gaz.*, 1934, 69: 444.
- Stanbro, G. E. The diagnosis and treatment of acute intestinal obstruction. *J. Oklahoma M. Ass.*, 1940, 33: No. 2, 11-5.
- Stevens, C. H. Diagnosis and treatment of acute intestinal obstruction. *Maine M. J.*, 1933, 24: 130-9.
- Stevens, G. A. Diagnosis and management of acute intestinal obstruction; clinical study of 100 consecutive cases. *Southwest. M.*, 1940, 24: 17-20.
- Stinson, J. W. Acute intestinal obstruction; modern methods in diagnosis and treatment. *Pennsylvania M. J.*, 1937-38, 41: 473-6.
- Stoppato, U. Occlusion intestinale acuta. *Clin. chir.*, Milano, 1926, 29: 130-5.
- Storck, A. H. The diagnosis and treatment of acute intestinal ileus. *Mississippi Doctor*, 1934-35, 12: No. 12, 30-4.
- Sturgeon, C. T. Acute intestinal obstruction. *Surg. Clin. N. America*, 1933, 13: 215-20.
- Summers, J. E. The practical management of some of the types of acute intestinal obstruction. *Nebraska M. J.*, 1926, 11: 89-93.
- Sweck, W. O., & French, G. C. Treatment of acute intestinal obstruction. *Southwest. M.*, 1934, 18: 224-6.
- Taylor, J. H. Acute intestinal obstruction and its management. *J. S. Carolina M. Ass.*, 1930, 26: 173-8.
- Trapezontsev, A. L. [Case of acute intestinal obstruction, cured by contrast enema] *Vest. rentg.*, 1938, 21: 369.
- Wangenstein, O. H. Acute bowel obstruction. *Minnesota M.*, 1931, 14: 16-28.
- The diagnosis and treatment of acute intestinal obstruction. *Northwest M.*, 1931, 30: 389-407.
- The management of acute intestinal obstruction; with special mention of the character of the vomiting and distension. *J. Lancet*, 1934, 54: 640-5.
- Diagnostic and therapeutic considerations in the management of acute intestinal obstruction. *Wisconsin M. J.*, 1935, 34: 24-32.
- Acute bowel obstruction; its recognition and management. *N. England J. M.*, 1938, 219: 340-8.
- Experimental and clinical observations relating to the management of acute bowel obstructions. *Ann. Int. M.*, 1939-40, 13: 987-1000.
- The value of diagnostic criteria for the choice of therapeutic procedure in the management of acute intestinal obstruction; experimental and clinical observations. *Radiology*, 1940, 35: 680-9.
- West, H. Acute intestinal obstruction; diagnosis and physiologic treatment. *J. Florida M. Ass.*, 1939-40, 26: 387-91.
- Whipple, A. O. Safety factors in the treatment of acute intestinal obstruction. *Boston M. & S. J.*, 1927, 197: 218-22.
- Wybert, A., & Maroni, J. J. Conducta terapéutica en la occlusion intestinal aguda. *Dia méd.*, B. Air., 1941, 13: 578-80.
- Zykova, E. T. [Acute intestinal obstruction] *Vest. khir.*, 1938, 56: 547-50.

— adynamic.

See also Ileus, postoperative, adynamic.

- Bryan, W. A. Paralytic ileus. *J. Tennessee M. Ass.*, 1935, 28: 245-9.
- Cox, W. Paralytic ileus. *J. Kansas M. Soc.*, 1939, 40: 12-4.
- Durante, L. L'ilco paralitico come complicanza dell'appendicite acuta ed il suo trattamento coll'enterostomia. *Arch. ital. chir.*, 1928, 22: 254-68.
- Dyrenforth, L. Y., & Morris, K. A. Paralytic ileus and congenital renal deformity. *Urol. Cut. Rev.*, 1940, 44: 96-9.
- Evans, R. L., & Skinner, C. Adynamic ileus. *Bull. Guthrie Clin.*, 1936-37, 6: 139-43.
- Ferguson, S. E. Intestinal atony in old dogs. *Proc. Am. Animal Hosp. Ass.*, 1941, 8, meet., 165-71.
- Foster, G. S. The influence of ileus paralyticus in surgery of the abdomen. *Med. Times, N. Y.*, 1931, 59: 388-90.
- Gillespie, J. B., & Rogers, J. C. T. Adynamic ileus of the newborn. *Arch. Pediat.*, N. Y., 1939, 56: 269-73.
- Hegge, E. [Blood changes in ileus paralyticus] *Norsk mag. lægevid.*, 1932, 93: 1033-9.
- & Semb, C. [Examinations of post-operative reactions] *Ibid.*, 1934, 95: 52-77.
- (Forh, kirurg. foren.)
- Illoway, H. A case of hysterical paralysis of the intestine (paralysis intestinalis) of somewhat rare form. *Arch. Diagn.*, N. Y., 1912, 5: 357-62.
- Jasnogrodsky, A. J. [Alimentary, paralytic ileus] *Nov. khir. arkh.*, 1936, 36: 212-25.
- Lehmann, K. Clinical and experimental studies on intestinal paralysis in extra-abdominal traumatic injury to the trunk. *Acta chir. scand.*, 1938-39, 81: 439-59.
- Luthereau, Gossart, & Laroche. Iléus paralytique apparu chez une fillette de 8 ans à la suite d'une éruption sérique et ayant imposé la laparotomie; occlusion secondaire du grêle, par bride; intervention; guérison. *Bull. Soc. chir. Paris*, 1936, 28: 175-80.
- Marbury, W. B. Adynamic ileus. *Internat. J. M. & S.*, 1935, 48: 250-4.
- Müller, E. F. Ueber den paralytischen Ileus. *Mitt. Grenzgeb. Med. Chir.*, 1928-29, 41: 417-42.
- Ochsner, A. Beitrag zum paralytischen Ileus. *Schweiz. med. Wschr.*, 1935, 65: 93.
- Ohr, A. Toxische Darmatonie der Säuglinge. *Ibid.*, 1942, 72: 171 (Abstr.).
- Oppenheimer, A. Acute transient intestinal atony. *Am. J. Roentg.*, 1939, 41: 575-80.
- Traumatic Darmatonie. *Med. Klin., Berl.*, 1930, 26: 657.
- Orr, T. G. Paralytic ileus and intestinal obstruction complicating skeletal injuries. *South. M. J.*, 1939, 32: 508-11.
- Partidge, C. E. Paralytic adynamic ileus. *J. Kansas M. Soc.*, 1940, 41: 15-7.
- Prini, I. Ileus paraltico. *Dia méd.*, B. Air., 1939, 11: 1095; 1122.
- Ross, K. Paralytic ileus. *Med. J. Australia*, 1934, 2: 186; 203.
- Schumann, E. A., & Missett, J. V., jr. Observations upon adynamic ileus, with report of a case. *Am. J. Obst.*, 1933, 26: 59-64.
- Smith, O. A. Intestinal obstruction, paralytic; report of case. *U. S. Nav. M. Bull.*, 1932, 30: 522.
- Szenes, A. Ueber Darmparalyse mit Diarrhöen. *Deut. Zschr. Chir.*, 1923, 177: 145-68.
- Voss, E. A. Enterale Grippe, paralytischer Ileus, Invagination. *Kinderärztl. Prax.*, 1941, 12: 129-34.
- Wahren, H. Studien über Gaswechselsverhältnisse im Darm bei sogenanntem paralytischen Ileus. *Acta chir. scand.*, 1933, 70: Suppl. 23, 1-91.
- Wolpe, I. M. Zur Pathogenese und Therapie der atonischen und paralytischen Zustände des Darmes. *Fortsch. Ther.*, 1927, 3: 826-9.

— adynamic: Surgery.

- Cheever, D. Operative evacuation of the small intestine in paralytic stasis. *N. England J. M.*, 1932, 207: 1125-31.
- Also *Tr. N. England Surg. Soc.*, 1932, 15: 85-103.
- David, V. C., & Loring, M. Splanchnic anesthesia in the treatment of paralytic ileus. *Ann. Surg.*, 1930, 92: 721-7.
- Matthews, A. Adynamic ileus. *Surg. Clin. N. America*, 1934, 14: 1443-50.
- Ochsner, A., & Gage, I. M. Adynamic ileus. *Am. J. Surg.*, 1933, 20: 378-404.
- Also *Tr. South. Surg. Ass.*, 1933, 45: 174-200.
- Penberthy, G. C. The treatment of adynamic ileus by gastrointestinal intubation in children. In *Lahey Birthday Vol.*, 1940, 357-64.
- Noer, R. J., & Benson, C. D. The treatment of adynamic ileus by gastrointestinal intubation in children. *Surg. Gyn. Obst.*, 1940, 71: 211-7.
- The treatment of adynamic ileus by gastro-intestinal intubation. *Tr. West. Surg. Ass.* (1939) 1940, 49: 128-42.
- Rosenstein. Therapeutische Versuche zur Bekämpfung der Darm lähmung durch Umspritzung des Ganglion coeliacum. *Munch. med. Wschr.*, 1926, 73: 507.
- & Köhler, H. Therapeutische

Versuche zur Bekämpfung der Darmlähmung durch Umspritzung des Ganglion coeliacum. Med. Klin., Berl., 1926, 22: 530-3. — Ueber die Beeinflussung der Darmparalyse durch Nikotininjektion in das Ganglion coeliacum. Deut. Zschr. Chir., 1928, 210: 315-35, pl.—Smyth, G. J. C. A case of jejunostomy for intestinal paresis. S. Afr. M. Rec., 1926, 24: 476.—Spencer, G. T. Spinal anesthesia in paralytic ileus. Med. J. & Rec., 1930, 131: 572.—Studdiford, W. E. Spinal anaesthesia in the treatment of paralytic ileus. Surg. Gyn. Obst., 1928, 47: 863-5.

adynamic: Treatment.

Abel, A. L. Acetylcholine in paralytic ileus. Lancet, Lond., 1933, 2: 1247-52.—Aylett, S. O. The treatment of paralytic ileus with especial reference to the use of intravenous pituitrin. Med. Press & Circ., Lond., 1938, 197: 386-8.—Boggon, R. H. Treatment of paralytic ileus. Nurs. Times, Lond., 1940, 36: 109-11.—Cairney, J. The prevention of paralytic ileus. N. Zealand M. J., 1938, 37: 334-7.—Camelot & Lamoril, J. Azotémie post-opératoire et iléus paralytique guéris par injection de sérum salé hypertonique. J. sc. méd. Lille, 1929, 47: pt 2, 223-6.—Clarke, J. M. The treatment of paralytic ileus. N. Zealand M. J., 1938, 37: 193-9.—Coro del Pozo, A. El Nehormonal en el tratamiento del iléus paraltico. An. vias digest., Habana, 1930, 1: 114-8.—David, W. E. Paralytic ileus cured with prostigmin. Lancet, Lond., 1935, 1: 1100.—Di Paola, G. Tratamiento del iléus paraltico con la solución hipertónica de cloruro de sodio. Día méd., B. Air., 1930-31, 3: 929.—Du Bois, A. H. Valeur de la transfusion sanguine dans les atonies intestinales fonctionnelles aiguës. Presse méd., 1933, 41: 859.—Elmer, A. W., Ptaszek, L., & Scheps, M. Die Wirkung des Vasopressins und Oxytocins auf die Darmperistaltik und die Behandlung der Darmlähmungen (Ileus paralyticus) mit Vasopressin. Klin. Wschr., 1930, 9: 1765-8.—Frey, S. Experimenteller Beitrag zur Prophylaxe und Therapie der Darmlähmung. Arch. klin. Chir., 1926, 142: 445-57.—Ghiron, V., & Scandurra, S. Sull'azione di alcune sostanze nell'ileo paraltico. Policlinico, 1930, 37: sez. chir., 579-87.—Hartman, H., & Dock, W. The use of cholin in paralytic ileus. J. Lab. Clin. M., 1926-27, 12: 430.—Heggs, F. M. Continuous duodenal aspiration in paralytic ileus and intestinal obstruction. Lancet, Lond., 1937, 2: 1250.—Henle. Treatment of intestinal paresis by hormonal. Ann. Surg., 1912, 55: 153-5.—Holt, R. L. Treatment of paralytic ileus. Brit. M. J., 1936, 1: 929-31.—Kahn, K. Zur Behandlung der Darmatonien mit Bellergal. Schweiz. med. Wschr., 1939, 69: 174.—Keusenhoff, W. Die Behandlung von Darmpareisen mit Infusionen von hypertonen Kochsalzlösungen. Zbl. Chir., 1932, 59: 1411-5.—Köhler, H. Tonerphin, ein Mittel gegen Darmatonie. Ibid., 1931, 58: 2702.—Morris, G. N. The therapeutic action of prostigmin in cases of ileus of the paralytic type. Clin. Rep. Melbourne Hosp., 1936, 7: 23-6.—Mowat, J. K. Acute intestinal obstruction followed by paralytic ileus, treated by the intravenous administration of pituitrin. Med. J. Australia, 1936, 2: 856.—Müller, H. Berizym, Vitamin B₁ bei Darmatonien. Med. Klin., Berl., 1940, 36: 199 (Abstr.) (microfilm)—Nadein, A. P. [Use of permanent stomach tubes in paralytic ileus and peritonitis] Vrach. gaz., 1931, 35: 131-3.—Ney, H. Massnahmen zur Beseitigung der Darmlähmung und zur Anregung der Peristaltik. Chirurg, 1931, 3: 723-7.—Paralytic ileus; prevention and treatment. Roche Rev., Nutley, 1936-37, 1: 335-40.—Pou Orfila, J. Tratamiento del ileo paraltico en ginecologia. Arch. urug. med., 1938, 12: 637-44.—Power, R. W. Treatment of paralytic ileus. Brit. M. J., 1935, 2: 1070.—Quattlebaum, J. K. The use of perfringens antitoxin in the treatment of paralytic ileus. South. M. & S., 1933, 2: 74-8.—Ransohoff, J. L., & Heiman, J. D. The recognition and treatment of paralytic ileus. Tr. West. Surg. Ass., 1932, 42: 265-80. Also West. J. Surg., 1933, 41: 331-8.—Rohleder, T. Ueber die Wirkung des Prostigmins beim paralytischen Ileus der Säuglinge. Kinderärztl. Prax., 1939, 10: 115-7.—Rosenstein, P., & Köhler. Ein neuer Weg zur Behandlung der Darmlähmung. Deut. med. Wschr., 1926, 52: 555.—Ross, J. W. Hypertonic saline in adynamic ileus. Canad. M. Ass. J., 1926, 16: 241-4. — Hypertonic sodium chlorid solution in cases of adynamic ileus. Tr. Ass. Physicians Mayo Clin. (1925) 1926, 6: 227-35, pl.—Sainton, J. Le traitement de l'iléus paralytique par le choline et l'acétylcholine. Presse méd., 1934, 42: 386.—Santarius, K. [Prevention of paralytic intestinal occlusion] Lek. vojsk., 1936, 27: 361-5.—Selbacher, H. Die Behandlung der Blasen- und Darmatonie mit Doryl, Merck. Münch. med. Wschr., 1937, 84: 534.—Sjögqvist, O. [Points in treatment of so-called paralytic ileus] Sven. läk. tidn., 1936, 33: 1116-20.—Solar Julia, J. El suero salado hipertónico por vía rectal en la parálisis intestinal. An. Hosp. S. Creu, Barcel., 1932, 6: 270.—Uznanski, M. E. A new treatment for paralytic ileus. Illinois M. J., 1936, 70: 567-9.—Watson, J. Prevention and treatment of adynamic ileus. J. M. Ass. Alabama, 1935-36, 5: 245-9.

angiomesenteric.

See also Mesentery, Strangulation.

Bollag, K. Zur Kenntnis des arteriomesenterialen Darmverschlusses. Korb. Schweiz. Aerzte, 1913, 43: 262-7.—Hill, S. A. Intestinal obstruction with case report of mesenteric strangulation. Mississippi Doctor, 1940-41, 18: 15-22.—Hudson, F. A. Duodeno-arterio-mesenteric ileus. J. Oklahoma M. Ass., 1926, 19: 178-82.—Korhov, V. [A case of

arterio-mesenteric obstruction] Vest. khir., 1928, 14: 140-2.—Palit, A. N. Intestinal obstruction due to torsion of the mesentery. Brit. M. J., 1927, 1: 1098.—Speziale, V. Dell'ileo da obliterazione dei vasi mesenterici. Riforma med., 1933, 49: 576-82.—Wangensteen, O. H., & Cooke, H. H. Observations on intestinal obstruction following the intravenous injection of particulate material. Proc. Soc. Exp. Biol., N. Y., 1929-30, 27: 957.

Bacteriology.

See also subheading Toxemia.

Aubertin, E., & Magendie, J. Des bactériémies consécutives à l'occlusion intestinale réalisée chez le chien par un procédé nouveau d'enroulement. C. rend. Soc. biol., 1929, 101: 679-81.—Badile, P. L. Sul microbismo nell'ansa intestinale chiusa. Clin. chir., Milano, 1927, 30: 1215-55.—Donaldson, J. K., Sive, E. B., & Lewis, N. Intestinal obstruction; possible role of bacteria in intestinal obstruction. Arch. Surg., 1941, 43: 811-38.—Rodinò, D. Sul contenuto batterico del sangue portale nella occlusione intestinale acuta; ricerche sperimentali. Gior. batt. iannun., 1939, 22: 764-77.—Turco, A. Ricerche batteriologiche sul sangue di cani in occlusione intestinale acuta sperimentale. Ibid., 1927, 2: 513-7.

biliary.

See also other subheadings of Ileus (calculous; mechanical) also Biliary calculus, Complications, intestinal.

BRÉMONT, J. *De la symptomatologie et du diagnostic de l'iléus biliaire. 59p. 8° Par., 1929. FOURREY, J. P. *A propos de 4 observations d'iléus biliaire. 42p. 8° Par., 1929.

MANINE, A. *Contribution à l'étude des formes pseudo-néoplasiques de l'iléus biliaire. 51p. 25cm. Lyon, 1938.

PENFÍN, R. P. *Ileo biliar. 58p. 27cm. B. Air., 1942.

POIRIER, R. *Un cas d'iléus biliaire. 36p. 24cm. Par., 1939.

Aimes, A. L'iléus biliaire. Progr. méd., Par., 1928, 43: 1941.—Basset, A. Iléus biliaire. Mém. Acad. chir., Par., 1937, 63: 72-7.—Bidoire & Fèvre. Un cas d'iléus biliaire. Ann. anat. path., Par., 1926, 3: 865.—Bonniot. A propos du diagnostic de l'iléus biliaire. Lyon chir., 1929, 26: 133-6.—Dubouché, H., Sauber [et al.] A propos de iléus biliaire. Bull. Soc. nat. chir., Par., 1930, 56: 205-13.—Del Valle, D., & Dónovan, R. E. Ileus biliar. Sem. méd., B. Air., 1927, 34: pt 2, 1566.—Desjardes & Doucet-Bon. Iléus biliaire. Lyon méd., 1938, 162: 265-7.—Desjardes, E. L'iléus biliaire. J. Hôtel Dieu Montréal, 1937, 6: 153-8.—Fariñas, P. L. Diagnóstico radiológico del ileus biliar. Vida nueva, Habana, 1938, 41: 314-9, 4 pl.—Flahault. Un cas d'iléus biliaire guéri. Bull. Soc. chir. Paris, 1933, 25: 713-6.—Gatien, R., & Jutras, A. Diagnostic et localisation pré-opératoires d'un iléus biliaire; operation; guérison. J. Hôtel Dieu Montréal, 1938, 7: 205-15.—Masciottra, E. Ileus biliar a forma sub-aguda. Rev. méd. quir. pat. fem., B. Air., 1941, 17: 331-7.—Matus, M. Ileus biliar. Bol. Soc. cir. Chile, 1926, 4: 62-6.—Moons, E. Iléus biliaire; considérations sur 3 cas observés. J. chir., Brux., 1926, 25: 21-8.—Pallasse & Regad. Iléus biliaire. Lyon méd., 1928, 142: 665-8.—Paviot, J., & Moulinier, J. Iléus biliaire (considérations diagnostiques) J. méd. Lyon, 1931, 12: 33-42.—Quénu, J. Diagnostic, traitement et pronostic de l'iléus biliaire. Bull. méd., Par., 1930, 44: 867-74. — Trois cas d'iléus biliaire opérés. Bull. Soc. nat. chir., Par., 1930, 56: 85-91.—Santy. Deux observations d'iléus biliaire. Lyon chir., 1929, 26: 84-9.—Sénèque, J., & Sicard, A. Iléus biliaire; entérotomie sur le grêle. Bull. Soc. nat. chir., Par., 1934, 60: 960-2.—Trotta, H. P. Ileus biliar. Bol. Soc. cir. B. Aires, 1933, 17: 751-64.—Vargas Molinare, R., & Correa Castillo, H. Ileus biliar y su tratamiento por la sonda de Miller-Abbott. Rev. méd. Chile, 1942, 70: 46-8.

Blood.

See also subheadings (Hematopoietic system; Metabolism)

MÜLLER, W. *Die Veränderungen der Gefrierpunktniedrigung im Blutsrum sowie im Magen- und Darmsaft beim experimentellen Ileus. 10p. 8° Lpz., 1929.

Also Arch. exp. Path., Lpz., 1929, 142: 371-80.

AIRD, I. Experiments in intestinal obstruction; the rôle played by the diminution of the effective circulating blood volume in acute intestinal obstruction. Edinburgh M. J., 1937, 44: 28-32. — Loss of blood from circulation in various types of intestinal obstruction. Proc. Soc. Exp. Biol., N. Y., 1935-37, 33: 199-201. The behaviour of the blood volume in intestinal obstruction and strangulation. Brit. J. Surg., 1938-39, 26: 418-28.—Alberti, V. Contributo allo studio della occlusione acuta intestinale sperimentale; sul comporta-

- mento del potere fagocitario e del potere battericida del sangue di animali in O. I. A. Riv. pat. sper., 1938, 20: 179-84.—**Atchley, D. W.** Blood changes in intestinal obstruction. N. York State J. M., 1933, 33: 1191-4.—**Bick, M., & Wood, I. J.** The biochemical changes in paralytic ileus and intestinal obstruction. Med. J. Australia, 1941, 1: 140-5.—**Brandberg, R.** An experimental and clinical study of chemical blood changes in ileus. Acta chir. scand., 1929, 65: 415-63.—**Bross, W., Kubikowski, P., & Wolf, J.** Die dynamischen Eigenschaften des Blutes beim Ileus; ein klinischer und experimenteller Beitrag. Zbl. Chir., 1936, 63: 562-5.—**Burget, G. E., Martzloff, K. H.** [et al.] The closed intestinal loop; observations on dogs with jejunal and ileal loops and chemical analyses of the blood. Arch. Int. M., 1931, 47: 593-600.—**Cataliotti, F.** Sul comportamento di alcuni clettroliti del sangue nelle occlusioni intestinali. Policlinico, 1934, 41: sez. chir., 17-28.—**Chiariello, A. G.** L'equilibrio elettrolitico del sangue nelle occlusioni intestinali. Minerva med., Tor., 1930, 21: 911-5.—**Chia Yu Tieu.** Pri la shanglo de la sangio che ileuso duodena akuta. J. Orient. M., Dairen, 1928, 9: 60.—**Childs, S. B., & Scudder, J.** The effect of distention upon whole blood specific gravity and whole blood potassium. Surg. Gyn. Obst., 1941, 73: 880-4.—**Cosentino, G.** Comportamento del glutine ematico nell'occlusione intestinale acuta sperimentale. Fisiol. & med., Roma, 1938, 9: 447-64.—**De Victoris-Medori, F.** La concentrazione molecolare e proteica del sangue nell'occlusione intestinale acuta. Pathologica, Genova, 1937, 29: 332-6.—**De Vincentiis, A.** La diastasi, la lipasi, la fosfatasi e la catalasi del sangue nelle occlusioni intestinali acute sperimentali. Riv. pat. sper., 1940, 24: 129-46.—**Dragstedt, L. R.** Blood chemistry in intestinal obstruction. Proc. Soc. Exp. Biol., N. Y., 1927-28, 25: 239-41.—**Falconer, M. A.** Clinical aspects of the blood chemistry in intestinal obstruction. Proc. Mayo Clin., 1938, 13: 460-4.—**Lyall, A.** Blood chemistry in intestinal obstruction; changes in response to treatment. Lancet, Lond., 1937, 2: 1472-7.—**Falconer, M. A., Osterberg, A. E., & Borgen, J. A.** Intestinal obstruction in man; alterations in the serum bases and their significance. Arch. Surg., 1939, 38: 869-85.—**Fine, J., Hurwitz, A., & Mark, J.** A clinical study of the plasma volume in acute intestinal obstruction. Ann. Surg., 1940, 112: 546-56. Also Tr. Am. Surg. Ass., 1940, 58: 64-74.—**Gatch, W. D., Trusler, H. M., & Ayers, K. D.** Acute intestinal obstruction; mechanism and significance of hypochloremia and other blood chemical changes. Am. J. M. Sc., 1927, 173: 649-67.—**Gendel, S., & Fine, J.** The effect of acute intestinal obstruction on the blood and plasma volumes. Ann. Surg., 1939, 110: 25-36.—**Greenwood, W. F., Haist, R. E., & Taylor, N. B.** The plasma potassium following intestinal obstruction in dogs. Surgery, 1940, 7: 280.—**Ilalida, S.** [Ueber die Verschiebung der Wasserstoffionenkonzentration und des Reservealkali im Blutplasma beim experimentellen Ileus am Kaninchen und Hunde] J. Chosen M. Ass., 1935, 25: 183-92.—**Hægh-Guldberg, O.** [Changes in the blood in acute intestinal obstruction] Ugeskr. laeger, 1934, 96: 1300-8.—**Mairano, M., & Vecchi, G.** Sul comportamento del p_a e della riserva alcalina del sangue nell'occlusione intestinale sperimentale. Boll. Soc. ital. biol. sper., 1930, 5: 912-5.—**Sull'equilibrio acido-base del sangue nell'occlusione intestinale sperimentale.** Arch. sc. med., Tor., 1930, 54: 677-84.—**Mallone, T.** L'iperbilirubinemia adrenalinica nell'occlusione intestinale acuta. Fisiol. & med., Roma, 1935, 6: 1011-20.—**Orr, T. G.** Chemical aspects of acute intestinal obstruction. Tr. West. Surg. Ass. (1931) 1932, 41: 537-44.—**Plenk, A., & Kudlac, O.** Ueber chemische Blutveränderungen beim Ileus. Wien. klin. Wschr., 1935, 48: 1452-5.
- **calculous [incl. coprolith, fecaloma]**
- See also **Ileus, biliary**; also **Biliary calculus**, **Complications, intestinal**; **Coprolith**; **Fecaloma**.
- KINDLER, H.** *Ueber Gallenstein-Ileus [Breslau] 32p. 8°. Berl., 1927.
- KRÄMER, E.** *Gallenkotstein als Ileusursache. 12p. 8°. Berl., 1932.
- LANGHEINE, W. [K. E.]** *Ueber den Gallensteinileus. 33p. 23cm. Berl., 1936.
- Adamesteanu, C., & Dumitriu, C.** Gallensteinileus in Verbindung mit Darminvagination. Zbl. Chir., 1939, 66: 2112-6.—**Alvárez, D. C.** Obstrucción intestinal por cálculo biliar. Med. ibera, 1929, 25: 645-7.—**Angle, L. W.** Acute intestinal obstruction caused by impacted gallstones with case reports. Am. J. Surg., 1932, 17: 364.—**Appelmanns, J.** Obstruction intestinale par calcul. Scapell. Brux., 1923, 76: 372.—**Arnold, D. G.** Intestinal obstruction caused by gallstones. Am. J. Surg., 1941, 52: 381.—**Auvray.** Obstruction intestinale par calcul biliaire. Bull. Soc. nat. chir., Par., 1928, 54: 1414.—**Baillet, G.** Occlusion intestinale par calcul biliaire. Ibid., 1929, 55: 346-9.—**Balch, F. G., jr.** Gallstone ileus. N. England J. M., 1938, 218: 457-62.—**Bcam, S. F.** Gallstone ileus. J. Missouri M. Ass., 1938, 35: 485-7.—**Binder, Z., & Wolf, J.** [Fecal calculus as cause of intestinal obstruction] Polska gaz. lek., 1938, 17: 674-6.—**Bocharnikov, A.** [Case of gallstone, causing complete intestinal obstruction, cured by atropine injections] Vrach. delo, 1928, 11: 327.—**Bonorio Udaordo, C.** Obstrucción intestinal por cálculos biliares. Rev. As. méd. argent., 1930, 43: 217-44.—**Brocq, P., Brodin, P., & Aimé.** Un cas d'iléus biliaire; examen radiologique ayant révélé, 15 jours avant l'apparition des accidents d'occlusion, l'existence du calcul enclavé dans le duodénum après perforation cholécysto-duodénale. Bull. Soc. nat. chir., Par., 1929, 55: 1194-200.—**Buzzi, A.** Occlusion intestinal por cálculo biliar. Bol. Soc. cir. B. Aires, 1930, 14: 64 8.—**Chrappek, Z.** [Acute ileus as sequel to biliary calculus] Polska gaz. lek., 1926, 5: 49.—**Colcock, B. P.** Intestinal obstruction due to gallstones. Lahey Clin. Bull., 1940, 2: 47-52.—**Davis, N. P.** Acute intestinal obstruction by a gall stone. Atlantic M. J., 1925-26, 29: 778.—**Dickson, D. M.** Intestinal obstruction due to gallstones. N. Zealand M. J., 1937, 36: 245-50.—**Dubouché, H.** Obstruction et occlusion au cours de la migration intestinale des calculs biliaires (iléus par calculs biliaires) (iléus biliaire) Rev. méd. chir. mal. foie, 1931, 6: 194.—**Dulin, J. W., & Peterson, F. R.** Intestinal obstruction due to gallstones, report of 10 cases. Arch. Surg., 1939, 38: 351-7.—**Faber, L. A., & Nesler, A. B.** Intestinal obstruction due to a gallstone; recovery under conservative medical treatment. J. Iowa M. Soc., 1940, 30: 599-601.—**Folliasson, A.** L'iléus biliaire aigu; on ne pense pas assez à l'occlusion intestinale aiguë par calcul biliaire; des occlusions c'est la plus grave et la plus déconcertante dans son pronostic. Hôpital, 1930, 18: 716-8.—**Foss, H. L., & Summers, J. D.** Intestinal obstruction from gallstones. Ann. Surg., 1942, 115: 721-35, pl.—**Gallart Monés, F.** Occlusion intestinal por cálculo. Actas Congr. nac. med., B. Air (1931) 1932, 4. Congr., pt 2, 11.—**Gaspar, E.** Zur Frage der Erkennung und Behandlung des Gallensteinileus. Beitr. klin. Chir., 1938, 167: 214-28.—**Gilman, P. K.** Intestinal obstruction from gallstone. West. J. Surg., 1932, 40: 594-6.—**Gregersen, N. F.** [Gallstone ileus] Hospitalstidende, 1938, 81: Suppl., 84-92.—**Gutiérrez, A.** Obstrucción intestinal por bolo fecal; colectomía sigmoidea en varios tiempos. Bol. Soc. cir. B. Aires, 1934, 18: 1113-6.
- **Obstrucción intestinal por cálculo biliar; hernia umbilical estrangulada.** Ibid., 1928, 12: 581-3. Also Rev. cir. B. Air., 1928, 7: 575.—**Harvey, S. C., & Connor, G. J.** Intestinal obstruction due to a gallstone; report of an unusual instance. Yale J. Biol., 1941-42, 14: 501-4, pl.—**Herzen, W.** Un cas d'occlusion intestinale par obturation calculeuse du gros intestin (copro-entérolithe; variété clinique spéciale d'occlusion) Schweiz. Rdsch. Med., 1923, 23: 61-3.—**Hinchey, P. R.** Recurrent gallstone ileus; report of a case. N. England J. M., 1940, 223: 174-9.—**Holz, E.** Zur Frage des Gallensteinileus. Arch. klin. Chir., 1929, 145: 166-76.—**Huet, P., Delafontaine, P., & Porcher, P.** Obstruction intestinale par calcul biliaire. Mém. Acad. chir., Par., 1937, 63: 630-6.—**Jackson, C. A.** Intestinal obstruction due to gall-stones. Clin. J. Lond., 1940, 69: 265-9.—**Junkin, H. D.** Gallstone intestinal obstruction. Am. J. Surg., 1933, 19: 456.—**Lamare, J. P., & Larget, M.** Deux cas d'occlusion intestinale par calcul biliaire. Bull. Soc. nat. chir., Par., 1928, 54: 1313-8.—**Lima, B.** Occlusion intestinal por calculo biliar. Brasil med., 1930, 44: 417.—**Lunardi, B.** Ostruzione intestinale da calcolo biliare consecutiva a fistola duodeno-cistica. Policlinico, 1939, 46: sez. prat., 643-7.—**McNeely, R. G. D.** An unusual case of intestinal obstruction. Bull. Vancouver M. Ass., 1942, 18: 281.—**Matuschek, B.** Ueber Darmverschluss durch Gallensteine. Beitr. klin. Chir., 1939, 169: 129-35.—**Mommerell, B., & Engel, R.** Zur Diagnose des Gallensteinileus. Klin. Wschr., 1938, 17: 1680-4.—**Morice.** Trois cas d'occlusion intestinale par calcul biliaire. Bull. Soc. nat. chir., Par., 1929, 55: 1187-90.—**Morrow, R. C., jr.** Intestinal obstruction by gallstones; report of 2 cases with necropsy. Internat. Clin., 1941, n. ser. (4) 1: 204-17, 3 pl.—**Novikova, T. B.** [Obstruction of the gastro-intestinal tract by biliary calculus] Sovet. med., 1940, 4: No. 18, 18.—**Olson, O. A.** Gall-stone ileus; report of unusual case. Minnesota M., 1928, 11: 703.—**Pireaux, A.** Propos d'un cas d'occlusion intestinale par calcul biliaire. Arch. méd. belges, 1941, 94: 14-8.—**Powers, J. H.** Acute intestinal obstruction due to impacted gallstones: report of 4 cases. Surg. Gyn. Obst., 1928, 47: 416-20.—**Příbék, L.** [Ileus caused by biliary calculus the size of a pigeon's egg] Orv. hetil., 1941, 85: 78.—**Pritchard, T. G.** A case of intestinal obstruction produced by a gall-stone. Guy's Hosp. Gaz., Lond., 1938, 52: 350.—**Raagaard, O.** [Case of ileus caused by resinous concretum (kopál, schellac) in the small intestine] Ugeskr. laeger, 1937, 99: 784-7.—**Ramstedt, C.** Acerca del ileo calcólico. Rev. méd. germ. iber. amer., 1931, 4: 600-5.—**Rigler, L. G., Borman, C. N., & Noble, J. F.** Gallstone obstruction; pathogenesis and roentgen manifestations. J. Am. M. Ass., 1941, 117: 1753-9.—**Rosenthal, S. R.** Intestinal obstruction due to impacted gallstone. In Path. Conf. (Jaffé, R. H.) Chic., 1940, 445-7.—**Rosenthal, E.** Intestinal obstruction caused by impacted gallstone; diagnosis before operation. Lancet, Lond., 1934, 2: 192.—**Ruggieri, E.** Migrazione dei calcoli biliari nell'intestino ed occlusioni intestinali. Athena, Roma, 1932, 1: 324-34.—**Schële, A.** A contribution to the Röntgen diagnosis of gall-stone ileus. Acta radiol., Stockh., 1935, 16: 456-60, pl.—**Serbanescu, V.** Obstruction intestinale par entérolithe. Bull. Soc. méd. hôp. Bucarest, 1933, 15: 165-9.—**Slocker.** Otro caso de occlusion intestinal obstruction produced by gallstone; case report. Memphis M. J., 1942, 17: 106.—**Snyder, L. H.** Unrecognized gallstone obstruction of the intestine; case report. South. M. J., 1938, 31: 1275.—**Steinert, R.** [Case of intermittent ileus caused by fecal stones] Norsk mag. laegevid., 1934, 95: 1090.—**Turner, G. G.** Intestinal obstruction from gall-stone; gall-stone ileus; a pitfall for the practitioner. Postgrad. M. J., Lond., 1926-27, 2: 65-73.—**Verhényi, B.** Zur Frage des Gallensteinileus, an Hand zweier interessanter Fälle. Wien. klin. Wschr., 1938, 51: 1259.—**Waldén, L.** Zur Röntgendiagnose von Gallensteinileus.

Upsala läk. fören. förh., 1941, 46: 59-76, pl.—Webb, R. C. Gallstone ileus. Minnesota M., 1929, 12: 416-9.—Willway, F. W. Four specimens of gall-stone obstruction in the intestine. Tr. M. Soc. London, 1936, 59: 93.—Zavaleta, D. E. Obstrucción intestinal por cálculo biliar. Rev. med., B. Air., 1939, 1: 10-8.

Cases.

See also Ileus, acute; Cases.

ACHILLES, A. *Zwei seltene Ileusfälle. 31p. 8°. Bonn, 1930.

KERN, H. *Der Darmverschluss in der chirurgischen Abteilung der kantonalen Krankenanstalt Aarau von 1899-1924 [Zürich] 19p. 8°. Basel, 1927.

SANDER, A. *Darmverschlussfälle der Heidelberger chirurgischen Klinik in den Jahren 1918-27 [Heidelberg] 65p. 8°. Walldorf b. Heidelb., 1930.

Armingeat, J. Un cas curieux d'occlusion intestinale. Concours méd., 1940, 62: 1318.—Baird, J. P. Intestinal obstruction, with report of an unusual case. J. Tennessee M. Ass., 1932, 25: 312.—Boland, F. K. Acute intestinal obstruction in the Negro; review of 347 cases. Ann. Surg., 1933, 98: 698-705. Also Tr. Am. Surg. Ass., 1933, 51: 219-26.—Bolton, F. E. Two cases of intestinal obstruction. J. R. Nav. M. Serv., 1927, 13: 225-8.—Brambridge, C. V. A rare case of intestinal obstruction. East Afr. M. J., 1937-38, 14: 92.—Butler, E., & Delprat, G. D. Intestinal obstruction; a study of 93 patients operated upon in the San Francisco Emergency Hospital Service. California West. M., 1926, 24: 488-92.—C., A. G. Intestinal obstruction; with an account of some illustrative cases. Univ. Durham Coll. M. Gaz., 1929-30, 30: 152-61.—Carson, H. W. The iliac passion. Ann. M. Hist., 1931, n. ser., 3: 638-49.—Cascino, R. Casi di occlusioni intestinali. Arch. Soc. ital. chir. (1925) 1926, 32: 396-411.—Clements, R. G. Two cases of intestinal obstruction. Brit. M. J., 1930, 2: 687.—De Stefano, S. Un caso raro di occlusioni intestinali. Pediatra (Riv.) 1927, 35: 1055-8.—Donaldson, J. K. Intestinal obstruction; our contribution to its parade of death. Tristate M. J., 1940-41, 13: 2754-6. Intestinal obstruction; an analysis of 200 cases attempting improved correlation of mortality, pathologic physiology, and signs and symptoms. Am. J. Surg., 1938, 40: 505-13.—Fine Licht, E. de (Cases of ileus) Nord. med., 1939, 2: 1398-404.—Ghellani, N. M. A case of intestinal obstruction. Ind. M. Gaz., 1927, 62: 143.—Girdwood, W. A series of cases with signs of intestinal obstruction. S. Afr. M. J., 1939, 13: 57-9.—Glover, W. E. An extraordinary case of intestinal obstruction. West Afr. M. J., 1934-35, 8: No. 3, 17.—Gollwitzer, H. Statistik über 223 Ileusfälle. Deut. Zschr. Chir., 1926, 197: 175-9.—Goyer, A. propos de 6 cas d'occlusion intestinale. Arch. méd. Angers, 1938, 42: 176.—Gray, T. Intestinal obstruction with an unusual cause. Lancet, Lond., 1934, 1: 1339.—Gutman, M. I. [Rare cases of intestinal obstruction] Khirurgia, Moskva, 1938, No. 5, 141.—Halliday, H. An unusual case of intestinal obstruction. Brit. J. Surg., 1928-29, 16: 340.—Hancock, J. D. Intestinal obstruction. Internat. J. Surg., 1928, 41: 297-302.—Holden, W. B. Intestinal obstruction; a survey of 135 personal cases. Arch. Surg., 1926, 23: 882-6.—Huck, V. T. [Intestinal obstruction according to the data of the Sereidinsk Hospital, 1926-39] Sovet. med., 1940, No. 10, 22.—Ivakhnenko, E. S., & Chudnovskaia, A. G. [Acute intestinal obstruction based on data of the Obukhov Hospital from 1903-37] Vest. khir., 1938, 56: 521-5.—Jordan, S. M. An interesting case of intestinal obstruction. Surg. Clin. N. America, 1931, 11: 337-40.—Kennedy, C. C., & Hanson, H. J. Intestinal obstruction; with a statistical study of the Asbury Hospital cases. Minnesota M., 1939, 22: 757-67.—Kern, H. Der Darmverschluss in der chirurgischen Abteilung der Kantonalen Krankenanstalt Aarau von 1899-1924. Schweiz. med. Wschr., 1927, 57: 924-9.—Kutumanov, N. J. [Casuistics of intestinal obstructions] Vest. khir., 1928, 14: 56-73.—Loyer, A. propos d'un cas d'occlusion intestinale. Arch. méd. pharm. nav., 1933, 123: 111-5.—Lynch, K. M. Pathological conference, Medical College of the State of South Carolina. J. S. Carolina M. Ass., 1936, 32: 198-202.—Mason, R. F. Intestinal obstruction; case report. Memphis M. J., 1938, 13: 167.—Matheson, N. M. An unusual case of intestinal obstruction. J. Obst. Gyn. Brit. Empire, 1934, 41: 410, pl.—Maxwell, J. A. Two cases of intestinal obstruction. J. R. Nav. M. Serv., 1938, 24: 145.—Melville, E. J. Dynamic ileus (report of 4 cases) Clin. M. & S., 1938, 45: 61-3.—Meyer, K. A., & Spivack, J. L. Intestinal obstruction; analysis of 505 cases from the records of Cook County Hospital, Chicago, Illinois. Ann. Surg., 1934, 100: 148-57.—Miller, C. J. A study of 343 surgical cases of intestinal obstruction. Ibid., 1929, 89: 91-107.—Muzenieck, P. Der Ileus nach dem Material des I. Rigaschen Stadtkrankenhauses. Deut. Zschr. Chir., 1927, 202: 325-59.—Nyklies, V. [Rare cases of ileus] Cas. lék. česk., 1927, 66: 701-3.—Petersen, E. [A few rare cases of ileus] Hospitalstidende, 1934, 77: (Med. Selsk. Fyens Stifts. Forh.) 6-14.—Riddell, W. R. Ileus, the iliac passion, 250 years ago. Med. J. & Rec., 1931, 134: 610.—Rippy, E. L. An unusual case of intestinal obstruction. J. Tennessee M. Ass., 1942, 35: 140.—Rosenbach. Seltene Ileusfälle. Med.

Klin., Berl., 1927, 23: 110.—Rouffart-Marin, J. A propos de quelques cas d'obstruction intestinales. Bruxelles méd., 1935-36, 16: 886-73.—St John, V. [Various cases of ileus] Rev. chir., Bucur., 1929, 21: 685-93.—Scheibel [Unusual case of ileus] Hospitalstidende, 1934, 77: (Dansk. kir. selsk. forh.) 81-5.—Sherry, L. B. Two cases of benign intestinal obstruction. Surg. Clin. N. America, 1928, 8: 1511-20.—Sikand, B. K., & Claydon, E. V. An unusual case of intestinal obstruction. Brit. M. J., 1930, 2: 422.—Spitzmüller, W. Ein Fall von kombiniertem Ileus, zugleich ein Beitrag zur Kasuistik innerer Hernien. Deut. Zschr. Chir., 1928, 209: 43-55.—Szuściewski, A. W. Einhundertsechszwanzig Ileusfälle. Arch. klin. Chir., 1933-34, 178: 101-15.—Stewart, J. S., jr. Intestinal obstruction, a statistical study. J. Florida M. Ass., 1934, 21: 194-7.—Urban, K. Fall von Ileus. Wien. klin. Wschr., 1929, 42: 997.—Veldman, H. E., & Warnshuis, F. C. Intestinal obstruction; a review of 95 cases. J. Michigan M. Soc., 1932, 31: 379-82.

chronic.

AUGEREAU, P. *La stase intestinale chronique; étude clinique et thérapeutique. 103p. 8°. Par., 1932.

DE PAULO, J. *Stase intestinale chronique; étude étiologique et radio-clinique. 112p. 25½cm. Par., 1939.

WEISSENBORN, W. *Verschleppte Ileusfälle [Leipzig] 20p. 8°. Zeulenroda i. Thür., 1932.

Brun, R. G. Deux cas de subocclusion intestinale chronique, l'une duodénale, l'autre sigmoïdienne, liées à une malformation d'origine congénitale. Bull. Soc. nat. chir., Par., 1933, 59: 163-5.—David, V. C. Chronic intestinal obstruction due to lesions of the large bowel. Indust. M., 1936, 5: 601-4. Also Surg. Gyn. Obst., 1937, 64: 281-6.—Flors Gotteris, J. B. Contribución al estudio del estasis intestinal crónico. Rev. méd. Barcelona, 1935, 23: 103-58.—Lockwood, C. D. Chronic intestinal obstruction. Tr. West. Surg. Ass. (1925) 1926, 35: 369-94.—Nuboer, J. F. [Chronic ileus] Ned. tscrh. geneesk., 1934, 78: 1605-12.—Salz, K. [Chronic atony treated by peristaltine Ciba] Polska gaz. lek., 1928, 7: 144.—Santoro, E. Occlusione intestinale cronica da mesenterite retrattile. Rinasc. med., 1927, 4: 56.—Spangaro, S. Patogenesi e cura chirurgica della stasi intestinale cronica. Morgagni, 1928, 70: 97-109.—Stout, M. E. Surgical procedures in chronic intestinal obstruction. J. Oklahoma M. Ass., 1941, 34: 327-31.—Walker, A. The diagnosis and treatment of chronic intestinal obstruction, with illustrative cases. Glasgow M. J., 1926, 105: 106-17, 2 pl.

Clinical aspect.

PEREIRA, H. J. *Considerações sobre as oclusões intestinaes. 35p. 12°. Lish., 1864.

Abbott, W. O. Intestinal obstruction from the practitioner's point of view. N. York State J. M., 1942, 42: 421-4.—Aird, I. Intestinal obstruction; the results of recent experiment applied to clinical practice. Edinburgh M. J., 1936, 43: No. 6, 375-94.—Bargen, J. A. The problem of intestinal obstruction. Proc. Mayo Clin., 1940, 15: 353-5.—Champlin, P. B. Ileus, partial and complete. J. Oklahoma M. Ass., 1926, 19: 319-23.—Drennan, F. M., Val Dez, F. C., & Murray, J. C. Intestinal obstruction. Med. Clin. N. America, 1930-31, 14: 1083-96.—Flynn, C. W., & Cochran, H. W. Intestinal obstruction; a brief review of the present status of the problem. Internat. Clin., 1938, n. ser., 1: 203-19.—Graham, R. R. The influence of experimental study on clinical practice in intestinal obstruction. Univ. Toronto M. J., 1942-43, 20: 4-11.—Haberer, H. von. Ueber das Krankheitsbild des gemischten Ileus und seine Behandlung. Med. Klin., Berl., 1938, 34: 1218-20.—Hughes, T. J. Some observations on intestinal obstruction. Virginia M. Month., 1927-28, 54: 287.—Kahle, H. R., & Maes, U. Intestinal obstruction; a consideration of the clinical problem. Mississippi Doctor, 1941-42, 19: 114-8.—Leonardo, R. A. Experiences in 2 cases of intestinal obstruction. Med. J. & Rec., 1927, 125: 750-3.—Mason, V. R. Intestinal obstruction; some medical aspects. California West. M., 1930, 32: 1-4.—Miller, C. J. A clinical consideration of intestinal obstruction. Am. J. Surg., 1930, n. ser., 8: 509-16. Also Proc. Panpacific Surg. Conf., 1929, 1, Conf., 16-23.—Montgomery, A. H. Clinical suggestions on intestinal obstruction. Indust. M., 1940, 9: 143.—Novák, M. [Clinical description of ileus] Orvosképzés, 1939, 29: 781-91.—Núñez y Portuondo, R., & Lastra, J. S. Observaciones acerca de la oclusión intestinal. Vida nueva, Habana, 1927, 20: 127-40.—Parham, F. W. Some practical problems in intestinal obstruction. N. Orleans M. & S. J., 1926-27, 79: 304-10.—Primrose, A. Intestinal obstruction; with special reference to the rôle played by the general practitioner. Canad. M. Ass. J., 1930, 23: 1-10.—Reichl, E. Erfahrungen über die Ileuskrankheit. Aerzt. Prax., Wien, 1939, 13: 204-6. Also Wien. klin. Wschr., 1939, 52: 449-51.—Rosenthal, J. Ueber eine klinische Einteilung der Ileusformen. Mschr. ungar. Med., 1930, 4: 236-40.—Salter, P. P. A clinical study of intestinal obstruction. J. M. Ass. Alabama, 1936-37, 6: 134-6.—Schindler, R. Intestinal obstruction; the internist's view of intestinal obstruction. Clin. Med., 1942, 49: 105.—Turner, G. G. Some remarks on

intestinal obstruction. *Med. Press & Circ., Lond.*, 1935, 191: 353-7.—**Tyrrell-Gray, H.** Ileus; active and paralytic. *Brit. M. J.*, 1930, 1: 1161-4.—**Vance, J.** Thirty years observation of intestinal obstruction. *Southwest. M.*, 1940, 24: 48-52.—**Willard, D. G.** Intestinal obstruction; review of its principles. *Northwest M.*, 1940, 39: 322-5.

— Complication.

Bassett, G. O. Tetany complicating intestinal obstruction. *Southwest. M.*, 1938, 22: 89.—**Brentano.** Ileus und Dehnungsgeschwüre. *Med. Klin., Berl.*, 1926, 22: 1355.—**Brun.** Occlusion et évanescence. *Lyon chir.*, 1936, 33: 232-4.—**Douglas, J.** Dilatation and perforation of the cæcum in obstruction of the descending colon or sigmoid. *Ann. Surg.*, 1927, 85: 937.—**Francis, J. H.** Intestinal obstruction with unusual complication. *J. Tennessee M. Ass.*, 1935, 28: 250.—**Gatch, W. D.** Fundamental considerations in the operative treatment of advanced intestinal obstruction with especial reference to the management of cases complicated by gangrene of the intestine. *Surgery*, 1937, 1: 896-902.—**Gosset, A., Binet, L., & Petit-Dutailli, D.** Les accidents généraux de l'occlusion intestinale et les moyens de les combattre. *J. chir. Par.*, 1930, 35: 321-47. Also *Vida nueva, Habana*, 1930, 26: 431-67.—**Hautz, G.** Considerações acerca de um caso curioso de obstrução intestinal com peritonite por perfuração. *Rev. med. mil., Rio*, 1934, 23: 150-6.—**Hubrich, R.** Ileus bei profuser Bauchblutung. *Zbl. Chir.*, 1933, 60: 1231-3.—**Lámas-Pouey, E., & Suárez-Seitene, R.** Occlusion intestinal; perforaciones por múltiples cuerpos extraños ingeridos. *Arch. urug. med.*, 1939, 14: 388-91.—**Lorin-Epstein, M. U., & Iasnogorsky, A. J.** [Certain rare aspects of intestinal obstruction and accompanying anomalies] *Nov. khir. arkh.*, 1937, 38: 174-6.—**Maurer, F., & Baráth, L.** [Tetany due to ileus] *Orvosképzés*, 1934, 24: 572-8.—**Phillips, K., & Stowe, W. P.** Intestinal obstruction and septic invasion of the peritoneum; combined medical and surgical treatment. *Arch. Int. M.*, 1929, 44: 543-55.

— congenital and neonatal.

See also Intestine, Atresia; also Ileus, mechanical.

BORIES, E. *De l'occlusion intestinale chez le nouveau-né. 64p. 24cm. Toulouse, 1936.

Baron, F. Deux cas d'oblitération congénitale de l'intestin. *Bull. Soc. obst. gyn. Paris*, 1937, 26: 324-7.—**Bates, R. C.** Congenital intestinal obstruction with report of case. *Rhode Island M. J.*, 1933, 16: 143.—**Bodon, G.** [Histology and histogenesis of an intestinal obstruction in a new-born infant] *Magy. orv. arch.*, 1930, 31: 561-70, 4 pl.—**Bourde, Y., Dor, J., & Lamy, J.** Occlusion intestinale du nouveau-né. *Presse méd.*, 1936, 44: 1385-7.—**Cohen, P.** Congenital intestinal obstruction with special reference to the value of the plain roentgenogram for diagnosis. *Am. J. Dis. Child.*, 1941, 61: 135-49.—**Duckett, J. W.** Intestinal obstruction in the newborn. *Ann. Surg.*, 1942, 116: 321-33.—**Dunlop, G.** Acute obstruction of the bowel present at birth. *Lancet, Lond.*, 1932, 1: 1045.—**Falls, F. H., & Jaffe, R. H.** Intestinal obstruction in the newborn due to mucus plug. *Am. J. Obst.*, 1931, 22: 409-15.—**Glover, D. M., & Hamann, C. A.** Intestinal obstruction in the newborn due to congenital anomalies. *Ohio M. J.*, 1940, 36: 833-40.—**Ladd, W. E., Donovan, E. J., & Gross, R. E.** Panel discussion on intestinal obstruction in infancy. *J. Pediat.*, S. Louis, 1942, 21: 264-82.—**Lazarus, D., & Tow, A.** Congenital intestinal obstruction. *Arch. Pediat.*, N. Y., 1931, 48: 206-9.—**Lippitt, S. H., & Morter, C. W.** Congenital intestinal obstruction; report of 2 cases in one family. *Wisconsin M. J.*, 1926, 25: 424-7.—**Miller, E. M.** Bowel obstruction at birth. *J. Lancet*, 1940, 60: 258. Also *Surg. Clin. N. America*, 1931, 11: 133-9. Bowel obstruction in the new born. *Ann. Surg.*, 1939, 110: 587-605. Also *Tr. Am. Surg. Ass.*, 1939, 57: 152-70.—**Parmelee, A. H., & Miller, E. M.** Congenital bowel obstruction. *Surg. Clin. N. America*, 1927, 7: 649-55.—**Peetermans, E.** A propos de 2 cas d'occlusion intestinale chez le nouveau-né. *Bruxelles méd.*, 1937-38, 18: 424-6.—**Saldanha Faria, J.** Occlusão intestinal em um recém-nascido por malformação congênita. *Bol. Sanat. S. Lucas, S. Paulo*, 1941-42, 3: 105-11.—**Smith, G. K.** Congenital intestinal occlusion, with a report on 5 cases. *Med. J. Australia*, 1932, 2: 685-90, 2 pl.—**Turunen, A. O. I.** Einige Fälle von Darmverschluss bei Neugeborenen sowie ein Ueberblick über die Diagnose und Therapie des Leidens. *Acta Soc. med. Duodecim*, 1935, 23: scr. B, No. 14, 1-20.—**Ucha, J. M.** Obstrucción intestinal en un recién nacido por tapón mucoso. *Sem. méd.*, B. Air., 1941, 48: pt 2, 1202.—**Vallois, L., Coll de Carrera [et al.]** A propos de l'occlusion intestinale aiguë chez le nouveau-né: un cas d'oblitération congénitale de l'intestin grêle. *Bull. Soc. obst. gyn. Paris*, 1927, 16: 161-6.—**Vranceanu, A., & Georgesco, G.** Occlusion intestinale par malformation congénitale chez un nouveau-né. *Rev. chir., Bucur.*, 1938, 41: 282-4.—**Yannicelli, R. B.** La occlusión intestinal en el recién nacido y en el lactante. *Arch. argent. pediat.*, 1940, 14: 295.

— Algunos aspectos clínicos y radiológicos. *An. Fac. med., Montev.*, 1940, 25: 384-410.

— Diagnosis.

See also Ileus subheadings (acute: Diagnosis; Radiography)

TEIXEIRA, C. A. *Duas palavras sobre o diagnostico e tratamento na occlusão intestinal. 51p. 8° Lish., 1867.

Darrow, K. E. Some of the problems in the diagnosis of intestinal obstruction. *J. Lancet*, 1937, 57: 518-22.—**Desmarrest.** Les occlusions complètes de l'intestin. *Semaine hôp. Paris*, 1931, 7: 481-9.—**Finkelstein, M. Z.** [Chlorides of the blood in diagnosis of acute intestinal obstruction and significance of intravenous injections of hypertonic solutions of NaCl during the post-operative period] *Vest. khir.*, 1938, 56: 348-52.—**Fischer, A.** [Diagnosis and therapy of intestinal occlusions] *Gyógyászat*, 1934, 74: 82-5.—**Gama, C. d.** Diagnostico precoce da occlusão intestinal. *Hora med.*, Rio, 1939, ano 3, 2: No. 11, 47-56.—**Gatch, W. D.** Recognition and treatment of bowel obstruction. *J. Indiana M. Ass.*, 1935, 28: 655.—**Goldhahn, R.** Ueber die Erkennung und Behandlung des Darmverschlusses. *Münch. med. Wschr.*, 1936, 83: 97-101.—**Habler, C.** Früh- und Fehldiagnose des Ileus. *Deut. med. Wschr.*, 1935, 61: 1036-8. Also in *Sammelw. Fröhdiagn.*, Lpz., 1936, 213-9.—**Heller, E.** Zur Diagnose und Therapie des Ileus. *Klin. Wschr.*, 1930, 9: 2258-61.—**Ihsan Hilmi Alantar.** [Diagnosis of ileus in children] *Anadolu klin.*, Istanbul, 1940, 8: 1-4.—**Lofstrom, J. E., & Noer, R. J.** The role of intestinal intubation in the diagnosis and localization of intestinal obstruction. *Radiology*, 1940, 35: 546-60.—**McGlannan, A.** The diagnosis of intestinal obstruction. *Bull. Univ. Maryland School M.*, 1927, 12: 1-12.—**McReynolds, R.** Diagnosis of acute intestinal obstruction. *Quincy M. Bull.*, 1934, 11: 246.—**Melchior, E.** Darmverschluss. *Wien. med. Wschr.*, 1930, 80: 947-52.—**Paine, J. R.** Diagnosis of intestinal obstruction. *Am. J. Surg.*, 1942, 56: 87-93.—**Payne, A. G.** Intestinal obstruction, the importance of early diagnosis and operation. *N. Orleans M. & S. J.*, 1933, 86: 277-86.—**Russ, S. E.** Diagnosis of intestinal obstruction. *Texas J. M.*, 1939-40, 35: 754-60.—**Shapiro, E. L.** [Pathogenesis, symptomatology and basic time features in diagnosis of intestinal obstruction] *Nov. khir. arkh.*, 1937, 38: 137-48.—**Shaw, E. A.** Diagnosis of intestinal obstruction. *Rhode Island M. J.*, 1940, 23: 87-90.—**Stevens, N. C.** The value of auscultation of the abdomen in intestinal obstruction. *N. England J. M.*, 1942, 226: 87-9.—**Struppler.** Zur Diagnostik des Ileus. *Arch. klin. Chir.*, 1940, 200: 97-9 (microfilm).—**Wangensteen, O. H., & Goehl, R. O.** Evaluation of the expulsion of enemias as a criterion of intestinal obstruction. *Arch. Int. M.*, 1930, 46: 669-79.

— Diagnosis, differential.

Da Rocha, M., jr. Um caso de prisão de ventre simulando megacolon. *Brazil med.*, 1927, 41: 1363.—**Fleischer, A. J.** Case of intestinal obstruction simulating twisted ovarian cyst. *Am. J. Obst.*, 1929, 17: 109-11.—**Hallion, L., & Gayet, R.** Sur l'interprétation du syndrome d'occlusion intestinale. *Rev. prat. biol. Par.*, 1927, 20: 1-9.—**Haworth, J. B., & Garland, L. H.** Differential diagnosis of mechanical and paralytic ileus; with special reference to early diagnosis of strangulated obstruction. *Arch. Surg.*, 1940, 41: 147-53.—**Iastrebov, A. K.** [Case of ileus simulating larva pains] *Akush. gin.*, 1941, No. 6, 48.—**Iliesco, S., & Buzoianu, G.** Contribution au diagnostic différentiel entre les occlusions intestinales et les péritonites aiguës diffuses appendiculaires. *Arch. mal. app. digest.*, Par., 1929, 19: 1229-36. — [Differential diagnosis of intestinal obstruction and acute, diffused peritonitis] *Rev. st. med., Bucur.*, 1927, 16: 517-26.—**Jeanneney, G.** L'épreuve de l'écriture dans l'occlusion intestinale. *Bordeaux chir.*, 1933, 4: 80-5.—**Johnston, C. G.** Gas pains? *Surg. Gyn. Obst.*, 1942, 75: 668.—**Levitin, J.** Small bowel distention; differential diagnosis of mechanical obstruction and paralytic ileus by means of X-ray examination. In *Med. Surg. Tributes to H. Brunn, Berkeley*, 1942, 253-68.—**Lotheissen, G.** An welche Erkrankungen muss der praktische Arzt bei der Diagnose Ileus denken? *Mitt. Volksgesundhamt, Wien*, 1929, *Aerzt. Prax.*, 110. Also *Wien. klin. Wschr.*, 1929, 42: 82-4.—**Paolucci, R.** Diagnosi di natura e di sede della occlusione intestinale. In *his Lezioni clin. chir.*, Roma, 1939, 335-46.

— diverticular.

See Intestine, Diverticulum.

— Etiology.

See also subheading Pathogenesis; also under names of primary diseases as Appendix vermiformis, Invagination; Hernia (incarcerated; strangulated) Peritonitis, etc.

ABDUL ALI KHAN. *Darmverschluss bei angeborener Missbildung des Darmes [Freiburg i. B.] 23p. 8° Dessau, 1930.

Aigrot. Trois cas d'occlusion intestinale rare (volvulus du caecum et hernie étranglée de l'isthme de Winslow) *Bull. Soc. nat. chir. Par.*, 1931, 57: 554-71.—**Altmeier, W. A., & Wadsworth, G. H.** Ileus following fractured ribs. *Ann. Surg.*, 1942, 115: 32-8.—**Amorosi, O.** Occlusione intestinale da duplice meccanismo (volvolo e strozzamento da briglia) *Ann. ital. chir.*, 1935, 14: 191-201.—**Bär, H.** Noch ein Beitrag zur Frage des Piliileus. *Zbl. Chir.*, 1930, 57: 1219.—**Baumeister,**

- C. Hagens, C. W., & Morsman, C. F. Obstruction due to appendices epiploicae. *Ann. Surg.*, 1938, 107: 153.—Bedarida, N. V. Occlusioni intestinali a duplice sede; volvo e strozzamento erniario. *Arch. ital. chir.*, 1928, 22: 634-44.—Bender, K. W. Kongenitale Anomalien als Ursache von Darmverschluss. *Beitr. klin. Chir.*, 1926, 138: 193-232.—Bryan, W. A. Intestinal obstruction caused by incorrect rotation of the colon (colon of cat type). *Tr. South. Surg. Ass.*, 1928, 41: 260-4.—Charbonnier, A. A propos d'une occlusion intestinale; conséquence d'une anomalie congénitale rare. *Rev. méd. Suisse rom.*, 1927, 47: 89-104.—Curtillet, E. Un cas d'occlusion d'origine typhique. *Mém. Acad. chir. Par.*, 1939, 65: 451-4.—Dige-Petersen, O. [Ileus due to retroperitoneal haematoma] *Hospitaltidende*, 1932, 75: 767-70.—Doménech Alsina, F. Diferentes causas y mecanismos de la obstrucción intestinal y su tratamiento. *Rev. méd. Barcelona*, 1928, 9: 322-61.—Edwards, C. R. Acute intestinal obstruction due to mesenteric defects requiring massive resection. *J. Am. M. Ass.*, 1932, 99: 278-81.—Ernsberger, G. H. Acute intestinal obstruction due to fetal peritonitis. *Am. J. Surg.*, 1932, 18: 322.—Evans, R. L., & Henstridge, F. P. Intestinal obstruction; etiology, mortality and early diagnosis. *Guthrie Clin. Bull.*, 1940-41, 10: 146-53.—Fèvre, M. Occlusion intestinale de causes complexes. *Arch. mal. app. digest.*, Par., 1929, 19: 291-6.—Floersheim, S. Acute intestinal obstruction, its etiology under discussion. *California West. M.*, 1926, 25: 639.—Golm, G. Seltene Aetiologie eines Ileus. *Zbl. Chir.*, 1928, 55: 1426.—Goffi Moreno, I. Sindroma de ileus por quiste hemático retroperitoneal espontáneo. *Arch. argent. enferm. ap. digest.*, 1937-38, 13: 86-95.—Gray, H. Acute intestinal obstruction due to intra-abdominal causes. *Brit. M. J.*, 1927, 1: 179-83.—Hammond, W. W. Mucocoele of the appendix and cecum producing intestinal obstruction. *Hosp. News, Wash.*, 1936, 3: No. 4, 5-8.—Henry, M. J. Nonmalignant obstruction of the intestine. *Ann. Surg.*, 1940, 11: 765-74. Also *Tr. South. Surg. Ass.* (1939) 1940, 52: 93-102.—Hoeffel. Occlusion intestinale par tumeur caeco-colique et obstruction par de nombreux corps étrangers; cancer et tuberculose associés, à l'examen histologique. *Mém. Acad. chir. Par.*, 1936, 62: 1189.—Holden, W. B. Acute intestinal obstruction in a healed case of tuberculous enteritis. *Surg. Clin. N. America*, 1927, 7: 1333-42.—Hurley, V. Intestinal obstruction due to simple ulcer of the transverse colon. *Med. J. Australia*, 1927, 2: 66.—Janás, A., Chiser, S., & Teodoru, I. P. [Acute intestinal obstruction due to chronic peritoneal reaction from intestinal infestation with worms] *Spitalul*, 1931, 51: 59-61.—Kelley, J. F. Partial intestinal obstruction; due to congenital anomaly of the duodenum, and partial rotation of the colon. *Am. J. Surg.*, 1933, 22: 299-302.—Krukenberg, H. Ueber Pilzileus. *Zbl. Chir.*, 1930, 57: 387.—Ladd, W. E., & Gross, R. E. Intestinal obstruction resulting from malrotation of the intestines and colon. In *Their Abdom. Surg. Infancy*, Phila., 1941, 53-70.—Loitman, C. Congenital occlusion of the intestine; with report of 4 cases. *Boston M. & S. J.*, 1927, 197: 21-4.—McLaren, K. A. Intestinal obstruction in elderly people. *Homoeop. Rec.*, 1940, 55: No. 9, 21-3.—Mahoney, L. E., & Budd, J. W. Multiple intestinal obstruction. *Am. J. Surg.*, 1933, 22: 312-4.—Marianchik, L. P. [Acute intestinal obstruction caused by rupture of multiple cysts of the liver; multiple cysts of the kidneys] *Khirurgiya, Moskva*, 1937, No. 5, 141-4.—Mayo, C. W., & Wakefield, E. G. Intestinal obstruction associated with anomalies of rotation and fixation of the intestine; report of a case. *Am. J. Surg.*, 1939, 46: 373-6.—Meyer, H. Ileus und subphrenischer Abszess. *Zbl. Chir.*, 1930, 57: 31-3.—Moritz, A. R. Developmental anomalies causing or predisposing to intestinal obstruction. *Ohio M. J.*, 1934, 30: 429-33.—Nagy, K. [Developmental abnormalities and ileus in childhood] *Orvostud. közl.*, 1941, 2: 223.—Payr. Ein ganz ungewöhnlicher Fall von Ileus mit dreifachem Darmverschluss. *Klin. Wschr.*, 1927, 6: 427.—Santi, E. Un caso di occlusioni intestinale congenita per malconformazione del cieco. *Clin. chir.*, Milano, 1930, 33: 1021-8.—Schanurenko, D. [Echinococcus cyst of omentum, causing intestinal obstruction] *Vest. khir.*, 1927, 10: 265-7.—Tabanelli, M. Due casi di sindrome occlusiva intestinale, da affezione renale. *Arch. Soc. ital. chir.*, 1932, 38: 845-9.—Woolsey, R. A. Intestinal obstruction due to posture. *South. M. J.*, 1937, 30: 696-9.—York, J. H. Multiple congenital visceral anomalies as a cause of intestinal obstruction. *Bull. Fulton Co. M. Soc.*, 1937, 11: No. 10, 4-6.
- 1931-32, 29: 696-718.—Dragstedt, C. A. Experimental studies in intestinal obstruction and intestinal toxemias. *Northwest M.*, 1928, 27: 409-12.—Foster, W. C. Acute intestinal obstruction; the correlation of recent experimental studies and clinical applications. *J. Am. M. Ass.*, 1928, 91: 1523-9.—Jenkins, H. P. Experimental intestinal obstruction. *Proc. Soc. Exp. Biol.*, N. Y., 1928-29, 26: 464.—Kin, S. Studien über die Perfusionsfähigkeit der Mesenterialgefäße des Ilehundes; Einfluss der Perfusionsfähigkeit auf die Magensekretion des gesunden Tieres. *Jap. J. M. Sc.*, 1934-36, 4: Surg., 288.—Kodama, T. [Beiträge zur pathologischen Anatomie und Histologie des experimentellen Ileus] *J. Chosen M. Ass.*, 1939, 29: 1325-70, 5 pl.—Kuribayashi, H. Pharmakologische Untersuchungen beim Darmverschluss des Kaninchens; über den Einfluss einverleibter Diarrhoica auf die Lebensdauer und den Reststickstoffspiegel im Blut beim Darmverschluss. *Jap. J. M. Sc.*, 1934-36, 4: Surg., 290.—Pharmakologische Untersuchungen beim Darmverschluss des Kaninchens; über die Veränderung des Reststickstoffgehalts beim Darmverschluss des Kaninchens, bei dem durch Phlogistica Darmentzündung hervorgerufen worden. *Ibid.*, 291.—Lauwers, E. E. Etude expérimentale de l'obstruction intestinale. *Bull. Acad. méd. Belgique*, 1928, 5. ser., 8: 432-94, 4 pl.—Le Grand, A., & Piet, J. Curieux processus de défense au cours d'une tentative d'occlusion intestinale expérimentale chez le chien, avec présentation de pièce. *J. sc. méd. Lille*, 1930, 48: pt. 2, 9-11.—Mattina, A. Il fenomeno di ostacolo di Donaggio nell'occlusioni intestinale acuta sperimentale. *Cult. med. mod. Pal.*, 1935, 14: 44-56.—Matukura, S. Experimental studies on acute intestinal obstruction. *Jap. J. M. Sc.*, 1930-31, 2: Tr. Surg., 237-52.—Mituba, K., Taniguti, I., & Suehiro, S. Beitrag zur Kenntnis des experimentellen Ileus. *Ibid.*, 1934-36, 4: Surg., 294.—Mitufuji, H. Morphological studies of dogs in experimental acute intestinal obstruction. *Ibid.*, 297.—Pearse, H. E., jr. Experimental chronic intestinal obstruction from blind loops. *Surg. Gyn. Obst.*, 1934, 59: 726-34.—Schulze, W. Versuche über die Darstellung der Blut- und Lymphbahnen bei künstlichem Ileus. *Deut. Zschr. Chir.*, 1927, 203: 204: 189-203, 3 pl.—Seltsovsky, P. L. [Intestinal obstruction; experimental investigation] *Nov. khir. arkh.*, 1938, 42: 419-22; 1939, 43: 163-9.—Seulberger, P. Ergebnisse beim experimentellen Ileus. *Fortsch. Med.*, 1934, 52: 335-8.—Stone, H. B. The clinical application of experimental studies in intestinal obstruction. *Am. J. Surg.*, 1926, n. ser., 1: 282.—Owings, J. C. The clinical value of the experimental studies on intestinal obstruction. *Internat. Clin.*, 1933, 43. ser., 1: 131-43.—Taylor, N. B., Weld, C. B., & Harrison, G. K. Experimental intestinal obstruction. *Canad. M. Ass. J.*, 1933, 29: 227-36.—Turco, A. L'occlusion acuta dell'intestino (ricerche sperimentali) *Minerva med.*, Tor., 1926, 6: 841-7.

— foreign body, and food bolus.

— experimental.

- LEPLANQUAIS, P. E. G. *L'occlusion intestinale expérimentale chez le chien [Alfort] 39p. 8°. Par., 1927.
- Billi, A. Ricerche sulla occlusione intestinale sperimentale. *Arch. fisiol.*, Fir., 1931-32, 25: 423-50.—Binet, L. Recherches expérimentales sur l'occlusion intestinale. *Biol. méd.*, Milano, 1928, 18: 395-422.—Bottin, J. Quelques aspects du syndrome humoral de l'occlusion intestinale expérimentale. *Arch. internat. méd. exp.*, Liège, 1934-35, 9: 51-66.—Quelques aspects nouveaux de l'obstruction intestinale expérimentale. *Ibid.*, 1936-37, 11: 751-62.—Quelques faits intéressants observés au cours de l'obstruction intestinale expérimentale. *Liège méd.*, 1934, 27: 33-55.—Carli, C. Ricerche sperimentali sulla occlusione intestinale acuta. *Riv. pat. sper.*, 1936-37, 16: 177-205.—Docimo, L. Ricerche sperimentali sull'occlusione intestinale acuta. *Arch. ital. chir.*,

- PLAUT, G. *Ueber mechanischen Ileus durch Fremdkörperentzündungen im Darm. 32p. 8°. Heidelb., 1934.
- SEIDMANN, M. *De l'occlusion intestinale par phytobézars. 60p. 24cm. Par., 1938.
- Andrews, F. L., & Walker, T. F. Intestinal obstruction due to ingestion of dried peach. *J. Am. M. Ass.*, 1937, 109: 431.—Block, F. B. Intestinal obstruction caused by food; case report. *Am. J. M. Sc.*, 1933, 185: 356.—Cantón, R. V. Occlusion por orejón con esfacelo intestinal. *Arch. urug. med.*, 1937, 10: 509-13.—Caylor, H. D., & Nickel, A. C. Intestinal obstruction from a food bolus; 2 episodes in the same individual. *Ann. Surg.*, 1936, 104: 151-4.—Chalmers, R. Ileus due to impaction of a fig. *Brit. M. J.*, 1927, 1: 836.—Covaro, A. A., & Nunziata, A. Occlusion intestinal por orejones. *Rev. med.*, B. Air., 1939, 1: No. 4, 11-5.—Davis, M. B. Intestinal obstruction from eating bran. *J. Am. M. Ass.*, 1931, 97: 24.—Divis, J. [A case of intestinal obstruction caused by a hair-ball] *Cas. lék. česk.*, 1928, 67: 1607-9.—Elliot, A. H. Intestinal obstruction caused by food: review of the literature and case report. *Am. J. M. Sc.*, 1932, 184: 85-94.—Cambier, J. C. Occlusion aguda por cuerpos extraños. *Dña méd.*, B. Air., 1939, 11: 141.—Giraud, Dervillé & Broustet. Rétention aiguë d'urine premier signe d'une obstruction intestinale par graines de raisin. *J. méd. Bordeaux*, 1929, 59: 356.—Harless, M. S. Intestinal obstruction caused by a dried peach. *Ann. Surg.*, 1937, 105: 295-7.—Haselhorst, G. Nahrungsmittel als Ursache von Ileus. *Zbl. Chir.*, 1926, 53: 1564-7.—Havens, W. P. Intestinal obstruction caused by colloidal aluminum hydroxide. *J. Am. M. Ass.*, 1939, 113: 1564.—Heer, W. Ueber einen seltenen Fall von Obturationsileus, verursacht durch eine verschluckte Feige. *Schweiz. med. Wschr.*, 1931, 61: 331.—Hildebrandt, W. Wie erklären sich Wegsamkeitsstörungen des Darmes nach Genuss wasserreicher Früchte? *Deut. med. Wschr.*, 1931, 57: 1282.—Hohenwallner, J. Ein Fremdkörperileus durch ein Strohbandel. *Zbl. Chir.*, 1938, 65: 854.—Holbrook, W. Intestinal obstruction resulting from a foreign body. *Month. Bull. Kansas City Clin. Soc.*, 1934, 10: 3-5.—Krauss, F. Ein Fall von Pilzileus. *Zbl. Chir.*, 1929, 56: 2904.—Krecke, A. Ueber Nahrungsmittel-Darmverschluss. *Deut. Zschr. Chir.*, 1929, 215: 336-8.—Leisinger, F. Obturationsileus durch Nahrungsmittel. *Schweiz. med. Wschr.*, 1937, 67: 145-7.—Lindqvist, S. [Two cases of obturation ileus caused by some vegetable substance] *Sven. läk. tidn.*, 1936, 33: 201-7.—

Lodge, W. O. Intestinal obstruction from undigested potato. Brit. M. J., 1927, 1: 56.—Loessl, J. Nahrungsmittel als Ursache von Ileus. Zbl. Chir., 1926, 53: 2327.—Mackeith, R. C., & Sangster, A. H. Trichobezoar (hairball) causing acute intestinal obstruction in a child aged 3 years. Arch. Dis. Childh., Lond., 1939, 14: 356-8.—McMahon, T. B. Fate of a swallowed prune. Brit. M. J., 1942, 1: 486.—Mattson, H., & Larson, E. A. Intestinal obstruction due to food. Minnesota M., 1941, 24: 559-62.—Mesa, J. M., & Covaro, A. A. Obstrucción intestinal por alimentos no digeridos. Prensa méd. argent., 1934-35, 21: pt 2, 1444-6.—Metge, E. Beitrag zum Nahrungsmittelileus. Zbl. Chir., 1927, 54: 3081.—Millbourn, E. [Obturation ileus caused by dried fruit] Sven. läk. tidn., 1935, 32: 1569-77. Also Chirurg, 1936, 8: 349-54.—Moritsch, P. Ileusfall nach Genuss von Dörrobren. Wien. klin. Wschr., 1934, 47: 1070.—Nettelroth, A. Intestinal obstruction from dried fruit. J. Am. M. Ass., 1937, 109: 1295.—Owings, J. C. Acute intestinal obstruction due to ingestion of oranges. Ibid., 1938, 110: 365.—Patry, L. Un cas d'obstruction intestinale par corps étrangers. Laval méd., 1938, 3: 73-5.—Petivoky, J. [Ileus ex ingestis] Bratisl. lek. listy, 1937, 17: 357-60.—Piquinela, J. A. Obstrucción intestinal por cuerpo extraño alimenticio. Arch. urug. med., 1937, 10: 346-56.—Prat, D. Obstrucción intestinal por cuerpos extraños, ileo biliar. Día méd., B. Air., 1933-34, 6: 11.—Rantzer, M. Obstruction intestinale chronique causée par des corps étrangers. Rev. chir., Bucur., 1940, 43: 541-5.—Rikssel, E. C. van [Case of ileus from trichobezoar] Ned. tsschr. geneesk., 1927, 71: pt 2, 2203-6.—Roldán, A. Oclusión intestinal aguda por cuerpo alimenticio (oreojén) An. Fac. méd., Montev., 1929, 14: 315.—Sandelin, C. V. [Case of ileus caused by 2 foreign bodies] Fin. läk. säll. hand., 1934, 76: 22-8.—Santamarina, G. A. R., & Hours, R. D. Sobre un caso de oclusión intestinal por sustancia alimenticia. Sem. méd., B. Air., 1939, 46: pt 2, 856.—Seifert, E. Ueber Krautileus. Deut. Zschr. Chir., 1930, 224: 96-8.—Severeano. Obstruction intestinale par corps étranger; guérison. Roumanie méd., 1893, 1: 76-8.—Storck, A., Rothschild, J. E., & Ochsner, A. Intestinal obstruction due to intraluminal foreign bodies. Ann. Surg., 1939, 109: 844-61. Also Tr. South. Surg. Ass., 1938, 51: 204-21.—Wilson, J. R. An unusual case of intestinal obstruction. Lancet, Lond., 1937, 2: 1073.—Yasnogorsky, A. J. [Alimentary paralytic ileus] Vest. khir., 1936, 44: 67-72.

Forensic and industrial aspect.

Baxter, G. S. Intestinal obstruction in industrial practice. Internat. J. M. & S., 1930, 43: 653-5.—Fribourg-Blanc. Oclusion intestinale et médecine légale. Presse méd., 1936, 44: 757.—Griffith, F. W. Obstruction of the small intestine due to food products. Tr. South. Surg. Ass., 1935, 48: 152-5.—Malpractice; fecal fistula following operation for intestinal obstruction. J. Am. M. Ass., 1938, 110: 1314.

gas.

See also Colic; Flatulence; Meteorism.

Gatch, W. D., Trusler, H. M., & Ayers, K. D. Effects of gaseous distension on obstructed bowel; incarceration of intestine by gas traps. Arch. Surg., 1927, 14: 1215-21.—Hanke, H. Strangulationsileus infolge akuter Appendicitis und Gärungsileus. Zbl. Chir., 1930, 57: 86.—Krafft, A. Röntgenbefund und Krankheitserscheinungen beim Gasileus. Wien. med. Wschr., 1936, 86: 967.—Leven, G. Les occlusions intestinales médicamentelement curables (occlusions par aérocolie) Clinique, Par., 1928, 23: 215.—Scott, H. G., Dvorak, H. J. [et al.] Comparative study of the quantity of gas in the bowel in simple and closed-loop obstruction. Proc. Soc. Exp. Biol., N. Y., 1931, 28: 902-4.

Gynecological aspect.

See also other subheadings of Ileus (post-operative; pregnancy; puerperal)

ALESTÉ, G. *Contribution à l'étude de l'occlusion intestinale aiguë après ligamentopexie à la manière de Doléris. 38p. 24cm. Par., 1939.

Aimes & Fayot. Iléus par bride 23 ans après une hystérectomie vaginale. Arch. Soc. sc. méd. biol. Montpellier, 1932, 13: 523-5.—Andreou, C. [Intestinal occlusion in acute adnexitis] Spitalul, 1938, 58: 327-33.—Arnold, L. E. Intestinal obstruction following Webster-Baldy operation for uterine retroversion. Am. J. Surg., 1938, 41: 498-500.—Bickers, W. Intestinal obstruction following the Baldy-Webster suspension of the uterus. Am. J. Obst., 1941, 42: 915.—Böhm, I. [Ileus caused by ventrifixation] Orv. hetil., 1928, 72: 40.—Cattaneo, L. L'ileo paralitico asettico dopo interventi laparotomici per indicazioni ginecologiche (con speciale riguardo alla profilassi ed alla terapia) Fol. gyn., Pavia, 1926, 23: 251-329.—Chutro, P. Obstrucción intestinal por ventro-fijación uterina; torsión alrededor del ligamento redondo. Bol. Soc. cir. B. Aires, 1930, 14: 625-31.—Ciario, F. E. Consideraciones sobre ileo dinámico no infeccioso, consecutivo e intervenciones ginecológicas. Sem. méd., B. Air., 1928, 35: 526-37.—Covelair, R., & Pellé, A. A propos de 3 observations d'occlusion intestinale aiguë après ligamentopexie à la manière de Doléris. Mém. Acad. chir., Par., 1938, 64: 153-9.—Davidov, N. F. [Gynecologic ileus]

J. akush., 1930, 41: 700-2.—De Porenta, R. Due casi di ileo dovuto a compressione dell'utero gravido. Atti Soc. ital. ostet., 1923, 22: 429-34.—Elul, J. Lésione dell'utero e ostruzione intestinale. Rinasc. med., 1940, 17: 95.—Fagnart, R. Obstruction intestinale conséquence d'une cure ancienne de rétroversion (procédé de Dartigues) J. chir., Brux., 1928, 27: 17.—García Montenegro, R. Oclusión intestinal por absceso del fondo de saco de Douglas con fistula estercorácea secundaria. Arch. med. inf., Habana, 1939, 8: 239-44.—Gholsal, J. N. Intestinal obstruction caused by retroverted uterus. Ind. M. Gaz., 1931, 66: 509.—Guérin-Valmale & Verdeuil. Subocclusion intestinale et bacillose génitale; hystérectomie subtotale. Bull. Soc. obst. gyn. Paris, 1936, 25: 743.—Hermans, A. G. J. [Ileus of uncommon origin (so-called late ileus after eurentage) case] Ned. tsschr. geneesk., 1927, 71: 2256-9.—Holzbach. Strangulationsileus unter dem Bild der Tubenruptur. Schweiz. med. Wschr., 1927, 57: 212.—Kaufmann, R. De l'occlusion intestinale aiguë au cours des salpingites. Gynécologie, 1930, 29: 603-11.—Konrad, E. Wieder ein Fall von meehanischem Ileus, drei Jahre nach einer Ventrofixur nach Doléris. Zbl. Gyn., 1928, 52: 3014-7.—Rouffart, J. A. propos d'une occlusion intestinale post-opératoire. Bull. Soc. obst. gyn. Paris, 1926, 15: 546.—Vanderzypen. L'occlusion intestinale d'origine gynecologique. Bruxelles méd., 1935-36, 16: 800-6.—Yovanovitch, B. Y. Occlusions intestinales consécutives aux opérations gynécologiques. Gyn. obst., Par., 1938, 38: 425-37.

Hematopoietic system.

BRUFIS, A. *Veränderungen des morphologischen Blutbildes bei Darminhaltsstaunungen (ein Beitrag zur Frage der intestinalen Auto-intoxikation) [Würzburg] 39p. 8: Aschaffenh. [1931]

Betto, O. Il comportamento della milza nell'occlusione intestinale acuta. Riv. pat. sper., 1936, 16: 349-64, 5 pl.—Demidova, P. N. [Blood picture in acute intestinal obstruction] Vest. khir., 1938, 56: 356-62.—Harris, F. L., & Feldheim, J. S. Leukocyte exhaustion in intestinal obstruction. Am. J. Surg., 1941, 54: 417-23.—Kadyrov, I. G. [Morphology of the blood in acute intestinal obstruction] Sborn. nauch. trud. Bashkir. gosud. med. inst., 1939, 2: 179-87.—Lucchese, G. Le alterazioni della milza nelle occlusioni intestinali sperimentali. Clin. chir., Milano, 1935, 11: 241-54.—Rabboni, F. La resistenza emoglobinica nell'occlusione intestinale acuta sperimentale. Arch. ital. chir., 1936, 42: 563-77.—Romsauer, T. Milzuntersuchungen bei Ileus. Frankf. Zschr. Path., 1932, 43: 184.—Tomassini, I. La resistenza globulare nella occlusione intestinale sperimentale. Ann. ital. chir., 1937, 16: 515-26.

intermittent, and recurrent.

LENGSFELD, B. *Recidivierende Tetanie bei recidivierendem Ileus. 16p. 8° Bresl., 1927.

Alleman, R. Zur Diagnose und Therapie des chronisch-intermittierenden subtotalen Ileus. Schweiz. med. Wschr., 1934, 64: 331-3.—Bartolozzi, P. Crisi occlusive intermittenti da causa rara. Osp. maggiore, Milano, 1936, 24: 317-9.—Cosacesco. Occlusions intestinales itératives. Bull. Soc. nat. chir., Par., 1927, 53: 1071-7.—Fürst, M. [Pathogenesis of recurrent and surgically treated ileus] Orvostud. közl., 1940, 1: 361-4.—Leonardo, R. A. Recurrent paralytic intestinal obstruction; report of a case of unknown etiology. N. York State J. M., 1932, 32: 717-20.—Popesco-Urluani, M., & Carp, S. Occlusions intestinales successives par brides et invagination aiguë rétrograde chez l'adulte. Rev. chir., Bucur., 1940, 43: 695-8.—Prévot, R. Zur Röntgendiagnose des intermittierenden Ileus. Röntgenpraxis, 1934, 6: 655-63.—Sand, H. H., & Quattlebaum, J. K. Massive resection of the large and small intestine for the relief of recurring obstruction. Hosp. News, Wash., 1937, 4: No. 5, 19-34.—Tondo, F. Occlusion intestinale recidiva. Riv. med., 1928, 36: 33-5.—Wolf, S. Recurrent ileus. Ann. paediat., Basel, 1939-40, 154: 211-20.

invagination.

See Intestine, Invagination.

Manifestation.

See also Ileus, Diagnosis.

Cecconi, M. La sindrome umorale nelle occlusioni intestinali. Arch. Soc. ital. chir., 1934, 40: 783-5.—Chène, P., & Hémon, P. Sur les accidents subocclusifs aigus avec diarrhée permanente. Gaz. méd. France, 1930, 475-80.—Fontaine, R., Guillemet, R. [et al.] Sur les manifestations biochimiques dans l'occlusion intestinale expérimentale chez le chien. C. rend. Soc. biol., 1938, 127: 1301-3.—Gatch, W. D., & Culbertson, C. G. Circulatory disturbances caused by intestinal obstruction. Ann. Surg., 1935, 102: 619-35. Also Tr. Am. Surg. Ass., 1935, 53: 138-54.—Geyer, E. Datos acerca de fenómenos del ileus. Vida nueva, Habana, 1937, 39: 11.—Gosset, A., Binet, L. [et al.] Le syndrome humoral de l'occlusion intestinale; nouvelle étude expérimentale. Presse méd., 1931, 39: 874.—Lombard, P. Sur quelques signes, initiaux, de l'occlusion intestinale aiguë. Mém. Acad. chir., Par., 1940, 66: 430-2.

— mechanical.

See also other subheadings (calculous; foreign body, etc.)

Barr, R. A. Intestinal obstruction (acute mechanical) observations suggested by recent publications. *J. Tennessee M. Ass.*, 1937, 30: 132-6.—**Colombano, M.** Occlusion intestinale da otturazione. *Arch. Soc. ital. chir.*, 1934, 40: 780-2.—**Eisberg, H. B.** Diagnosis in acute mechanical intestinal obstruction. *Am. J. Surg.*, 1927, n. ser., 1: 147-53.—**Eklund, T.** [Intestinal obstruction; analysis of cases] *Fin. lak. säll. hand.*, 1927, 69: 24-42.—**Graves, G. Y.** Acute mechanical intestinal obstruction. *Kentucky M. J.*, 1934, 32: 193-5.—**Hallion, L., & Gayet, R.** The physiological aspect of the symptoms of intestinal obstruction. *Med. Press & Circ.*, Lond., 1928, n. ser., 125: 281-5.—**Jeanneney, G.** L'épreuve de l'éserine dans l'occlusion intestinale. *J. méd. Paris*, 1933, 53: 192-4.—**L'élement dynamique dans l'ileus mécanique; l'épreuve de l'éserine.** *Gaz. méd. France*, 1932, 721.—**Jodet, Ueber** akuten mechanischen Darmverschluss. *Veröff. Heer. San.*, 1938, H. 105, 463-70.—**McCleery, R. S.** A statistical analysis of 200 consecutive cases of mechanical intestinal obstruction. *Bull. Jackson Mem. Hosp.*, Miami, 1941, 3: 47-57.—**Miyamoto, M.** On 55 cases of mechanical ileus. *Taiwan igakkai zasshi*, 1930, 3.—**Reese, S. O.** Acute intestinal obstruction (mechanical) *Nebraska M. J.*, 1928, 13: 252-8.

— mechanical: Pathology.

GOERICK, K. E. *Paralytischer und mechanischer Darmverschluss durch den Processus vermiformis. 12p. 8°. Kiel, 1933.

HOFFMANN, W. [A. E.] *Ueber Darmverschluss durch den Processus vermiformis [Kiel] 29p. 8°. Quakenbrück, 1933.

JOUBERT, M. *Les occlusions mécaniques précoces d'origine appendiculaire et leur traitement. 66p. 8°. Par., 1926.

QUERIAULT, A. *Des occlusions intestinales d'origine appendiculaire. 136p. 8°. Par., 1930.

TRUC, H. *Les occlusions mécaniques d'origine appendiculaire [Marseille] 40p. 24½cm. Toulon [1936]

WENNER, P. *Ueber den mechanischen Darmverschluss [Kiel] 20p. 23½cm. Quakenbrück, 1935.

Bayma, F. Obstrucções intestinaes de origem appendicular. *Ann. paul. med. cir.*, 1928, 19: 1-15.—**Cantero, O.** Su due occlusioni intestinali meccaniche cecali; una da peritiffite iperplastica, una da inflessione e torsione di cieco mobile, ruotato in alto e a sinistra, operate e guarite. *Morgagni*, 1931, 73: 257-64.—**Caraven.** Obstruction intestinale par hydrophosphore dans un rein en fer à cheval ectopique; néphrostomie transpéritonéale; guérison de l'obstruction; héminephrectomie secondaire et guérison définitive. *Bull. Soc. nat. chir.*, Par., 1927, 53: 905-18.—**Charrier, A., & Lange, J.** Treize cas d'occlusion intestinale aiguë, précoce, mécanique consecutive aux opérations d'appendicite à chaud traitées et guéries médicalement. *Rev. chir.*, Par., 1939, 77: 366-72.—**Chavannaz, J., & Magnan.** Occlusion intestinale tardive post-appendiculaire. *J. méd. Bordeaux*, 1926, 56: 586.—**Chrom, S. A.** Comparison between the roentgenologic and the operative findings in acute, mechanical ileus. *Acta radiol.*, Stockh., 1940, 21: 182-8. Also *Nord. med.*, 1940, 7: 1239-42.—**De Marchi, E.** Occlusion intestinale meccanica per peritonite appendicolare. *Policlinico*, 1928, 35: sez. chir., 470-81.—**Grosso, A. J.** Occlusion postapendicular tardia. *Arch. lat. amer. pediat.*, B. Air., 1928, 22: 669.—**Hibbard, J. S.** Gaseous distention associated with mechanical obstruction of the intestine. *Arch. Surg.*, 1936, 33: 146-67.—**Krotkov, E. V.** [Etiology of mechanical obstruction of the intestines] *Khirurgiya, Moskva*, 1939, No. 11, 142.—**Lockwood, A. L.** Acute intestinal obstruction involving the appendix. *Canad. M. Ass. J.*, 1930, 23: 400-2.—**McIver, M. A.** Acute intestinal obstruction; acute mechanical obstructions exclusive of those due to neoplasia and strangulated external hernias. *Arch. Surg.*, 1932, 25: 1106-24.—**Martel, T. de.** A propos des occlusions intestinales post-appendiculaires. *Bull. Soc. nat. chir.*, Par., 1928, 54: 898-900.—**Megnin.** Etiologie de certaines occlusions intestinales mécaniques en pathologie algérienne. *Bull. san. Algérie*, 1938, 33: 1725-8.—**Miller, E. M.** Acute intestinal obstruction associated with ruptured appendix. *Surg. Clin. N. America*, 1929, 9: 487-92.—**Muromtsev, A. S.** [Morphological changes of the nervous elements of the intestinal tract in experimental mechanical obstruction in dogs] *Kazan. med. J.*, 1939, 35: No. 4, 67-71.—**Porcher.** Subocclusion intestinale de cause urinaire; compression localisée du colon pelvien par une vessie en rétention insoupçonnée. *Arch. mal. app. digest.*, Par., 1938, 28: 392-5.—**Prini, I.** Obstrucción intestinal por compresión extrínseca. *Sem. méd.*, B. Air., 1940, 7: pt 2, 1373.—**Samarin, N. N.** [Pathogenesis of acute obstruction ileus] *Vest. khir.*, 1938, 56: 317-23.—**Strauss, L.** Obturationsileus durch Polyp der Bauhinschen

Klappe. *Deut. Zschr. Chir.*, 1932, 237: 557-65.—**Van Rooyen, C. A.** Intestinal obstruction; pelvic haematocele. *Brit. M. J.*, 1934, 1: 428.—**Wood, E. H.** Acute intestinal obstruction, appendiceal. *Canad. M. Ass. J.*, 1938, 38: 142-6.

— mechanical: Treatment.

Achmatowicz, L. Beobachtungen und Beiträge zur Therapie des akuten mechanischen Darmverschlusses. *Arch. klin. Chir.*, 1936-37, 187: 506-29.—**Eisberg, H. B.** Treatment in acute mechanical intestinal obstruction. *Am. J. Surg.*, 1927, n. ser., 2: 435-42.—**Fey, A., & Cubbins, W. R.** Acute mechanical intestinal obstruction; mortality with and without enterostomies; based on a review of 241 cases from the records of the Cook County Hospital. *Surg. Gyn. Obst.*, 1935, 60: 738-45.—**Guibal, P.** L'occlusion intestinale d'origine appendiculaire; son traitement. *Presse méd.*, 1931, 39: 489-91.—**Hadley, M. N.** Decompression of the bowel in mechanical ileus. *Med. Arts, Indianap.*, 1934, 37: 359-63.—**Körte, W.** Zur Behandlung des akuten, mechanischen Darmverschlusses. *Arch. Verdauungskr.*, 1926, 37: 83-101.—**Krasnoselsky, M. V.** [Main principles in treatment of acute intestinal obstruction of mechanical origin] *Vest. khir.*, 1938, 56: 377-92.—**Mastin, E. V.** Diagnosis and treatment of acute mechanical intestinal obstruction. *Radiol. Rev.*, 1938, 60: 28-31.—**Owings, J. C., & Smith, I. H.** Massive resections in acute mechanical intestinal obstruction. *Ann. Surg.*, 1932, 95: 840-9.—**Ravens, C.** Ueber die operative Behandlung des mechanischen Ileus. *Deut. Zschr. Chir.*, 1933, 241: 668-94.—**Romano, S. A.** Acute mechanical intestinal obstruction; the dangers of prolonged preoperative decompression by means of the Miller-Abbott tube and gastroduodenal suction drainage. *N. Orleans M. & S. J.*, 1941-42, 94: 270-7.—**Smith, B. A., jr.** Fever therapy in the treatment of mechanical intestinal obstruction due to pelvic inflammatory disease. *Surgery*, 1940, 7: 61-8.—**Smith, D. W., Gehring, H. D., & Wilson, R. A.** A case of mechanical intestinal obstruction successfully relieved by the Miller-Abbott double lumen intubation tube. *Bull. Jackson Mem. Hosp.*, Miami, 1940, 2: 33-6.—**Stone, H. B., & Owings, J. C.** Acute mechanical intestinal obstruction; treatment and results. *South. M. J.*, 1937, 30: 699-705.—**Willcutts, M. D.** Treatment of acute mechanical intestinal obstruction. *U. S. Nav. M. Bull.*, 1936, 34: 163-72, pl.

— meconium.

See also *Ileus*, congenital and neonatal.

RUPP, J. *Der Ileus bei Neugeborenen unter besonderer Berücksichtigung des Mekoniumileus [Berlin] 29p. 23cm. Charlottenb., 1938.

Adamson, E. W., & Hild, J. R. Meconium ileus. *J. Am. M. Ass.*, 1939, 112: 2275.—**Burger, R.** Cas rare d'iléus du nouveau-né par épaississement du méconium. *Bull. Soc. gyn. obst. Paris*, 1938, 27: 329. Also *Gyn. obst.*, Par., 1938, 37: 176.—**Denzer, B. S.** Meconium ileus. *Am. J. Dis. Child.*, 1941, 62: 1114.—**Dodd, K.** Intestinal obstruction due to meconium ileus in a newborn infant; case report. *J. Pediat.*, S. Louis, 1936, 9: 486-91.—**Hurwitz, E. S., & Arnheim, E. E.** Meconium ileus associated with stenosis of the pancreatic ducts; a clinical, pathologic and embryologic study. *Am. J. Dis. Child.*, 1942, 64: 443-54.—**Kornblith, B. A., & Otani, S.** Meconium ileus with congenital stenosis of the main pancreatic duct. *Am. J. Path.*, 1929, 5: 249-61, 3 pl.—**Monnier.** Ueber einen Fall von sogenanntem Mekoniumileus. *Schweiz. med. Wschr.*, 1935, 65: 94.—**Sobel, I. P.** Meconium ileus. *Am. J. Dis. Child.*, 1941, 62: 1114.

— Metabolism.

See also *Ileus*, Blood.

Botin, J. L'anhydrémie et l'hypochlorurémie au cours de l'occlusion intestinale expérimentale. *Rev. belge sc. méd.*, 1936, 8: 97-158.—**Brunner, W.** Beitrag zum Lipidstoffwechsel beim mechanischen Ileus. *Deut. Zschr. Chir.*, 1935-36, 246: 238-43. Weiterer Beitrag zum Lipidstoffwechsel beim mechanischen Ileus. *Arch. klin. Chir.*, 1935-36, 184: 549-57.—**Chiariello, A. G.** La ipemia nell'occlusion intestinale. *Ann. ital. chir.*, 1934, 13: 162-72.—**Lo zucchero libero e lo zucchero combinato del sangue nelle occlusioni intestinali.** *Patologia*, Genova, 1930, 22: 78.—**Cimino, S.** L'acido-lattemia nell'occlusion intestinale acuta. *Morgagni*, 1933, 75: 851-4.—**Corachán, M., & Pi Figueras, J.** Importancia clínica de la hipoclorurémia en la occlusion intestinal. *Rev. méd. Barcelona*, 1929, 11: 387-94.—**Cortesi, P.** Ricerche sul tasso del cloro nell'occlusion intestinale sperimentale. *Clin. chir.*, Milano, 1932, 35: 1250-69.—**De Courcy, J. L.** Intestinal obstruction with azotemia as a symptom: report of a case. *Cincinnati J. M.*, 1942-43, 23: 288-91.—**De Vincentis, A.** Comportamento del calcio, fosforo, potassio, magnesio e dei cloruri del sangue nelle occlusioni intestinali acute sperimentali. *Riv. pat. sper.*, 1940, 24: 81-100.—**Domenech Alsina, F.** Las modificaciones de la tasa de cloruros sanguíneos y de la reserva alcalina en la occlusion intestinal experimental. *Arch. med.*, Madr., 1928, 28: 389-93.—**Rapport entre les variations de la réserve alcaline et le taux relatif du chlore et du sodium sanguins dans l'obstruction intestinale expérimentale et dans le choc histaminique.** *C. rend. Soc. biol.*, 1929, 100: 1098-101.—**Raventós Pijoán, J.** Relaciones entre las variaciones de la reserva alca-

ina y la tasa de cloro y sodio sanguíneo en la obstrucción intestinal experimental. Arch. med., Madr., 1928, 29: 198-201. Also Tr. Inst. fisiol. Barcelona, 1929-30, 3: 254-60, 3 diagr.

Variations de la réserve alcaline et du taux des chlorures du sang dans l'occlusion intestinale expérimentale. C. rend. Soc. biol., 1928, 99: 1278.—**Dupont, R.** Le phénomène de Blum; essai d'interprétation du rôle des chlorures dans l'occlusion. Bull. méd., Par., 1930, 44: 243.—**Figurelli, G.** Il comportamento del tasso dei cloruri del sangue nelle occlusioni intestinali acute, alte e basse (ricerche sperimentali). Ann. ital. chir., 1929, 8: 122-35.—**Fogliani, U.** Il ricambio idrocarbonato e l'equilibrio acido-basico nell'occlusion intestinale sperimentale. Riv. pat. sper., 1933-34, 10: 261-80.—**Fontaine, R., Guillemet, R.** [et al.] La dépense azotée endogène minima dans l'occlusion intestinale expérimentale chez le chien. C. rend. Soc. biol., 1938, 127: 1304-7. — Les modifications de l'excrétion purique dans l'occlusion intestinale expérimentale chez le chien. Ibid., 1939, 131: 544-7.

Sur divers aspects de la dépense azotée dans l'occlusion intestinale expérimentale chez le chien. C. rend. Acad. sc., 1938, 207: 939-41.—**Fontaine, R., Mandel, P.** [et al.] La dépense azotée dans l'occlusion intestinale expérimentale chez le chien. Bull. Soc. chim. biol., Par., 1939, 21: 1057.—**Glatzel, J.** [Basal metabolism in intestinal obstruction]. Polska gaz. lek., 1933, 12: 865-7. Also Presse méd., 1934, 42: 86.—**Golovine, V. A.** [Chlorides of the blood in acute intestinal obstruction]. Vest. khir., 1938, 56: 353-5.—**Gosset, A., Binet, L., & Petit-Dutailh, D.** Quelques remarques pratiques à propos de l'abaissement des chlorures sanguins occasionné par les occlusions aiguës du tube digestif et par les vomissements. Presse méd., 1928, 36: 1593-5.—**Guarino, A.** Equilibrio acido-basico e ricambio clorato nelle occlusioni intestinali e nelle acidosi sperimentali. Pensiero med., 1933, 22: 299-305.—**Herrin, K. C.** The mechanism of the azotemia of experimental intestinal obstruction. Fed. Proc., Bull., 1942, 1: pt. 2, 40 (Abstr.).—**Higasi, S.** The relationship of acute intestinal obstruction to the blood sugar content and the serum iodate value; effects of total and partial hepatectomy. Mitt. Med. Akad. Kioto, 1933, 746-8.—**Izumi, J.** Studien über den Milchsäurestoffwechsel beim Ileus; zeitliche Veränderung des Blutmilchsäuregehalts beim Ileus. Tohoku J. Exp. M., 1933, 22: 201-26.—**Kubányi, A.** Ileus und Blutzuckersenkung. Arch. klin. Chir., 1926, 139: 581-8.—**Kuribayashi, H.** Pharmakologische Untersuchungen beim Darmverschluss des Kaninchens; über die Veränderung des Reststickstoffgehalts beim Darmverschluss des Kaninchens, bei dem durch Phlogistica Darmentzündung hervorgerufen worden. J. Chosen M. Ass., 1934, 24: 1203-18, pt.—**Lambert, O., & Driessens, J.** Hypochlorémie et accumulation du chlore dans la paroi intestinale au cours de l'occlusion intestinale expérimentale. C. rend. Congr. fr. méd. (1938) 1939, 25. Congr., 176-8.

Rôle du système neuro-végétatif dans la production de l'hypochlorémie au cours de l'occlusion. Praxis, Bern, 1942, 31: 411 (Abstr.).—**Lange, H., & Specht, H.** Ueber Veränderungen im Kohlehydratstoffwechsel beim experimentell erzeugten Ileus. Arch. exp. Path., 1926, 117: 87-91.—**Loreto, C.** Ricerche sperimentali sulla ipocloruremia nelle occlusioni intestinali. Riv. pat. sper., 1937, 18: 104-17.—**Mairano, M.** Sul comportamento del cloruro di sodio e dell'azoto residuo nel sangue nell'occlusion intestinale alta e bassa. Minerva med., Tor., 1930, 21: pt. 2, 289-92.—**Mattoli, M.** Comportamento del glicogeno epatico nelle occlusioni intestinali. Fol. med., Nap., 1933, 19: 1397-411.—**Miani, A.** La cloruremia e l'eliminazione dei cloruri nelle occlusioni intestinali. Arch. ital. chir., 1931-32, 29: 303-23. — La glicoregolazione nella occlusion intestinale. Arch. pat. clin. med., Bologna, 1931-32, 11: 331-40. — Ricerche sul glicogeno del fegato e dei muscoli nell'occlusion intestinale. Gior. clin. med., 1931, 12: 747-56.—**Nelms, H. L.** The metabolic accompaniments of acute intestinal obstruction. N. York State J. M., 1927, 27: 64.—**Nonnenbruch, W., Stary, Z.** [et al.] Studien über den Muskelstoffwechsel beim experimentellen Darmverschluss. Arch. exp. Path., Berl., 1934, 176: 563-72.—**Pagliani, F.** Ricerche sulle variazioni dell'azotemia, della riserva alcalina, del cloruro di sodio nell'occlusion intestinale sperimentale. Clin. chir., Milano, 1931, 34: 645-60.—**Polonovski, M., & Driessens, J.** L'hyperpolypeptidémie au cours de l'occlusion intestinale aiguë. C. rend. Soc. biol., 1934, 115: 1427-9.—**Prati, M.** Sulle cause della decolorazione nella occlusion intestinale. Riv. pat. sper., 1930-31, 6: 12-22.—**Rathery, F., & Binet, L.** La teneur du sang en sucre (libre et protéidique) au cours de l'occlusion intestinale expérimentale. C. rend. Soc. biol., 1928, 99: 739.—**Ruggieri, E.** Calcemia ed occlusion intestinale. Policlinico, 1935, 42: sez. chir., 669-84.

Comportamento dell'ossalemia nell'occlusion intestinale sperimentale. Ibid., 1937, 44: sez. chir., 346-71.

— **Conti, G.** Il metabolismo del calcio negli stati occlusivi dell'uomo. Clinica, Bologna, 1937, 3: 337-53.—**Tarantino, A. M.** Contributo allo studio del ricambio idroclorurato nella occlusion intestinale; variazioni del cloro e dell'acqua nel sangue, nei muscoli e nella pelle e della perspirazione insensibile. Arch. ital. chir., 1938, 54: 710-26.—**Tasiro, S., & Schmidt, L. H.** Note on reciprocal relationship between blood sugar and Pectenokor positive substances in blood in intestinal obstruction. Med. Bull. Univ. Cincinnati, 1931, 6: 84-9.—**Titone, M.** Ricerche sperimentali sui corpi creatinici del sangue nell'occlusion intestinale acuta. Riv. pat. sper., 1934-35, 12: 229-40.—**Vitale, A., & Albo, G.** Contributo sperimentale alla conoscenza del comportamento della azotemia e della glicemia nella occlusion intestinale sperimentale.

Arch. Soc. ital. chir., 1935, 41: 692-705.—**Walawski, H.** Ileus und Blutzucker. Arch. klin. Chir., 1933-34, 178: 615-53.

Mortality.

Brill, S. The mortality of intestinal obstruction; analysis of 124 cases operated upon at the Hospital of the University of Pennsylvania. Ann. Surg., 1929, 89: 541-8.—**Christopher, F., & Jennings, W. K.** Operative mortality in intestinal obstruction. Ibid., 1934, 99: 332-7.—**McCormick, E. J.** The incidence and mortality of intestinal obstruction. Ohio M. J., 1930, 26: 755-8.—**Tucker, E. B.** Intestinal obstruction mortality. West Virginia M. J., 1937, 33: 113-6.—**Tuttle, H. K.** The mortality of intestinal obstruction; a study of 150 cases coming to operation or autopsy. Proc. M. Ass. Isthmian Canal Zone (1921-26) 1927, 14: 85-94.—**Van Beuren, F. T., & Smith, B. C.** Mortality in acute ileus. Ann. Surg., 1937, 106: 752-5. — Mortality in acute ileus; statistical report of 450 cases operated upon at the Presbyterian Hospital, New York. Tr. Am. Surg. Ass., 1937, 55: 271-4.—**Whipple, A. O.** Factors responsible for present-day low mortality in acute ileus. Northwest M., 1941, 40: 112-7.

Mortality: Cause of death.

See also subheading Toxemia.

CRAMER, V. H. *Intestinal obstruction and the cause of death. [S. Mary's Hosp.] 12p. 4? Milwaukee, 1928.

LEUTNER, B. *Widersprechen die bisherigen Experimente der Intoxikationstheorie für die Todesursache beim Darmverschluss? [Würzburg] 21p. 8? Coburg, 1934.

Besser, E. L. Cause of death in cases of mechanical intestinal obstruction; consideration of certain confused issues and review of recent literature. Arch. Surg., 1940, 41: 970-93.—**Boies, L. R.** Lethal factors in acute intestinal obstruction. J. Lancet, 1928, 48: 568-70.—**Bonch-Osmolovskaia, I. A.** [Causes of high mortality in intestinal obstruction]. Vest. khir., 1931, 24: 49-57.—**Bottin, J.** L'infection comme cause de la mort à la suite d'une occlusion intestinale expérimentale. Rev. belg. sc. méd., 1936, 8: 46-68.—**Chiariello, A. G.** Contributo alla conoscenza della morte per occlusion intestinale. Arch. ital. chir., 1934, 36: 628-42.—**Gatch, W. D., Trusler, H. M., & Ayres, K. D.** Causes of death in acute intestinal obstruction; clinical applications and general principles of treatment. Surg. Gyn. Obst., 1928, 46: 332-7.—**Geary, T. C.** Some factors in the mortality of bowel obstruction. Hahne-man. Month., 1933, 68: 497-503.—**Johnston, J. M.** Causes of death in chronic intestinal obstruction; a study of 19 cases. Am. J. M. Sc., 1930, 179: 840.—**Kozirev, A.** [Experimental data on the causes of death in intestinal obstruction]. Vest. khir., 1927, 11: No. 32, 28-55.—**Kruse, T. K.** The mechanism of death in acute intestinal obstruction. Pennsylvania M. J., 1929-30, 32: 246-8.—**Miller, A. J.** The cause of death in intestinal obstruction. Kentucky M. J., 1931, 29: 183-7.—**Moon, V. H., & Morgan, D. R.** Shock; the mechanism of death following intestinal obstruction. Arch. Surg., 1936, 32: 776-88.—**Nemilov, A. A., & Perumova, N. D.** [Problem of auto-intoxication as cause of death in intestinal impermeability]. Vest. khir., 1929, 18: 135-43. — **Stepanova, E.** Die Autointoxikation als Todesursache bei Ileus. Arch. klin. Chir., 1931, 168: 168-90.—**Oleshevich, I. B.** [Experimental data on the causes of death in intestinal obstruction]. Khirurgia, Moskva, 1937, No. 8, 80-7.—**Patrone, E.** Il meccanismo patogenetico della morte da occlusion intestinale e la diagnosi di probabilità di sede rilevata con metodo biologico. Arch. biol., Genova, 1928, 5: 17.—**Pearse, H. E., jr.** Is toxemia the cause of death in uncomplicated intestinal obstruction? Ann. Surg., 1931, 93: 915-9.—**Samarin, N. N.** [Causes of death in acute intestinal obstruction and biochemistry of the blood]. Vrach. gaz., 1931, 35: 656-63.—**Santy, R.** Recherches expérimentales et cliniques sur le mécanisme de la mort dans l'occlusion intestinale aiguë et sur le traitement des différents types d'occlusion. Lyon chir., 1928, 25: 622-40.—**Sibata, M.** Pathological studies on lethal intestinal obstruction. Japan M. World, 1929, 9: 394.—**Starlinger, F., & Scholl, R.** Zur Todesursache beim Darmverschluss. Wien. klin. Wschr., 1935, 48: 1232-6.—**Trinchera, C.** Sulle cause di morte nelle occlusioni intestinali acute (ricerche sperimentali). Ann. ital. chir., 1931, 10: 682-96, 10 tab.—**Urabe, T.** Experimentelle Untersuchungen über die Todesursache bei Ileus. Zschr. ges. exp. Med., 1936, 98: 357-67.—**Van Beuren, F. T., jr.** Mortality of enterostomy in acute ileus; improvement not referable to the time element. Tr. South. Surg. Ass., 1928, 41: 283-91.—**Wangenstein, O. H., & Leven, N. L.** Correlation of function with cause of death following experimental intestinal obstruction at varying levels. Arch. Surg., Chic., 1931, 22: 658-65.—**White, J. C.** Recherches expérimentales et cliniques sur le mécanisme de la mort dans l'occlusion intestinale aiguë et sur le traitement des différents types d'occlusion. Gaz. hóp., 1928, 101: 1193; 1225.—**Yovanovitch, B. Y.** Mécanisme de la mort dans les occlusions intestinales. J. méd. Paris, 1937, 57: 813-8.

neoplastic.

See Intestine, Tumor.

neurogenic.

See also subheadings (adynamic; spastic)

BENGEN, E. *Beitrag zur Frage des Ileus paralyticus beziehungsweise der Koprostasis diuturna; Betrachtungen über den Ileus nervosus paralyticus (Depression, Neurasthenie) und über den Ileus nervosus spasticus (Hysterie) [Freiburg i. B.] 36p. 8°. Münch., 1927.

Antonic, R. F., & Lawson, H. The neurogenic factor in intestinal obstruction. *Surg. Gyn. Obst.*, 1941, 72: 728-31.—Feltkamp, W. Zentralbedingte Hemmung der Dickdarmbewegungen; klinisch-anatomische Studien zur Frage des neurologischen Ileus. *Deut. Zschr. Nervenh.*, 1926, 93: 259-92.—Heiberg, E. A. Inhibition ileus. *Minnesota M.*, 1940, 23: 94-6.—Kister, R. Ueber einen besonderen Fall von Ileus spasticus invaginatus auf rein psychogener Grundlage. *Med. Klin., Berl.*, 1927, 23: 205.—Meerovich, L. V. [Intestinal occlusion of neurogenous origin] *Vrach. delo*, 1936, 19: 55-60.—Wahren, H. The neurogenic factor in strangulation ileus. *Acta chir. scand.*, 1939, 82: 57-62.

obturation.

See Ileus, mechanical.

paralytic.

See Ileus, adynamic.

Pathogenesis.

Aird, I. Morbid influences in intestinal obstruction and strangulation. *Ann. Surg.*, 1941, 114: 385-423.—Alipow, G. Zur Pathogenese des doppelten Darmverschlusses. *Arch. klin. Chir.*, 1926, 138: 782-4.—Alvarez, W. C., & Hosoi, K. What has happened to the unobstructed bowel that fails to transport fluids and gas? *Am. J. Surg.*, 1929, n. ser., 6: 569-78.—Anschütz, W. Ueber den Ileus. *Münch. med. Wschr.*, 1933, 80: 875-8.—Binet, L. Recherches expérimentales sur l'occlusion intestinale. *Biol. méd., Par.*, 1928, 18: 245-71.—Bottin, J. Essais d'étude critique de l'obstruction intestinale. *Rev. chir.*, 1932, 70: 5-31.—Burget, G. E. Intestinal obstruction; recent contributions to its study. *Northwest M.*, 1930, 29: 507.—Caccia, F., & Ricci, S. Le occlusioni intestinali (escluse le ernie strozzate) *Gior. med. mil.*, 1926, 74: 186-210.—Denis, R. A propos des récentes discussions sur le rôle du chlorure de sodium hypertonique dans l'occlusion intestinale; essai d'interprétation. *Presse méd.*, 1930, 38: 906.—Dumitrescu, D., & Dumitrescu, C. [Contribution to the study of intestinal obstruction] *Spitalul*, 1935, 55: 69-72.—Fine, J., Rosenfeld, L., & Gendel, S. The role of the nervous system in acute intestinal obstruction. *Ann. Surg.*, 1939, 110: 411-6.—Gurruchaga, J. V. Influencia de la innervación abdominal sobre la evolución de la obstrucción intestinal aguda experimental. *Rev. Soc. argent. biol.*, 1939, 15: 496-8.—Participación del simpático abdominal en la patogenia de los trastornos de la occlusion intestinal aguda. *Rev. cir. B. Aires*, 1939, 18: 500-20.—Habler, C. Weitere molekularpathologische und experimentelle Untersuchungen über den Darmverschluss. *Verh. Deut. Ges. inn. Med.*, 1927, 39. Kongr., 313-6.—Hallion, L., & Gayet, R. Sur l'autonomie de l'organisme dans l'obstruction intestinale. *Rev. prat. biol. appl.*, *Par.*, 1927, 20: 65-70.—Herrin, R. C., & Meek, W. J. Distention as a factor in intestinal obstruction. *Arch. Int. M.*, 1933, 51: 152-68.—Kellaway, C. H. Some recent studies on intestinal obstruction. *Austral. N. Zealand J. Surg.*, 1934-35, 4: 384-95.—Klassen, I. I. [Pathogenesis of intestinal obstruction] *Nov. khir. arkh.*, 1939, 44: 63.—McGraw, H. R. An analysis of intestinal obstruction. *Tr. West. Surg. Ass.*, 1937, 47: 433-45.—Mituba, K., Suehiro, S., & Itagaki, C. Beiträge zur Kenntnis des Ileus. *Klin. Wschr.*, 1939, 18: 284-7.—Schnitzler, J. Zum Kapitel des Ileus. *Wien. klin. Wschr.*, 1929, 42: 871-7.—Seltsovsky, P. L. [Pathogenesis of acute intestinal obstruction] *Vest. khir.*, 1938, 56: 32-32.—Shirabe, R. Experimentelle Untersuchungen über die Autolyse beim Darmverschluss und den Entstehungsmechanismus derselben. *J. Chosen M. Ass.*, 1933, 23: 2 (abstr.)—Sperling, L. Mechanics of simple intestinal obstruction; an experimental study. *Arch. Surg.*, 1938, 36: 778-815.—Wangenstein, O. H. Transperitoneal absorption; significance of impaired viability and influence of distension on its occurrence. *Proc. Soc. Exp. Biol.*, N. Y., 1934-35, 32: 1385-9.—Ssuschschewski, A. W. Ueber Ileus-Entstehung begünstigende Eigentümlichkeiten in der Struktur des Darmgangs. *Arch. klin. Chir.*, 1935-36, 184: 93-108.—Wangenstein, O. H., & Loucks, M. Studies in intestinal obstruction; the absorption of histamine from the obstructed bowel. *Arch. Surg.*, 1928, 16: 1089-111.—Wangenstein, O. H., & Rea, C. E. The distention factor in simple intestinal obstruction; an experimental study with exclusion of swallowed air by cervical esophagostomy. *Surgery*, 1939, 5: 327-39.

Pathology.

See also Ileus, postoperative: Pathology.

PLATOU, E. Bidrag til den acute tarmocclusionens pathologi og terapi. 174p. 8°. Oslo. 1927.

Also *Norsk mag. laegevid.*, 1927, 88: Suppl.

Akiyama, Y. Histamingehalt in verschiedenen Organen bei Ileus. *Fukuoka acta med.*, 1937, 30: 3.—Alberti, V. Contributo allo studio dell'occlusion intestinale sperimentale; comportamento delle sostanze dosabili col metodo Folin nelle surrenali di cane. *Boll. Soc. ital. biol. sper.*, 1934, 9: 231-4.—Bottin, J. Recherches sur la pathologie de l'obstruction intestinale. *C. rend. Soc. biol.*, 1931, 108: 257. Also *Rev. belge sc. méd.*, 1932, 4: 1-75, 10 pl.—Les relations entre le pancréas et l'intestin au cours de l'obstruction intestinale. *Rev. belg. sc. méd.*, 1938, 10: 38-54.—Cole, W. H., & Elman, R. Pathological changes in liver accompanying intestinal obstruction and strangulation. *Proc. Soc. Exp. Biol.*, N. Y., 1932, 29: 1274.—Davidsohn, I. Pathology of intestinal obstruction. *Clin. Med.*, 1942, 49: 109.—Delrez, L. Le pancréas dans l'obstruction intestinale. *Bruxelles méd.*, 1932-33, 13: 464-6.—Greco, A. Anatomia patologica e fisiopatologia del pancreas nell'occlusion intestinale. *Sperimentale*, 1934, 88: 746-69.—Guillaume, A. C. Recherches sur la stase intestinale. *C. rend. Congr. fr. méd.*, 1922, 16. sess., 111.—Hegge, E. [Recent researches on ileus] *Norsk mag. laegevid.*, 1930, 91: 238-43.—Holm, E. [Mechanism of ileus; post-mortem findings] *Ugeskr. læger*, 1926, 88: 927.—Jianu, I., & Popescu, C. [Double intestinal occlusion] *Spitalul*, 1937, 57: 191-5.—Kellogg, E. L. Acute gastro-mesenteric ileus. *Am. J. Surg.*, 1931, n. ser., 13: 227-34.—Latteri, S. Le alterazioni anatomiche del fegato nelle stenosi sperimentali dell'intestino (con ricerche batteriologiche) *Clin. chir.*, Milano, 1933, 36: 341-72.—Leigh, O. C., jr. Ileus associated with edema of the bowel. *Surg. Gyn. Obst.*, 1942, 75: 279-84.—Loeweneck, Ileus und Nebenniere. *Arch. klin. Chir.*, 1940, 200: 99 (microfilm)—Lorda Audera, V. Anatomia patológica del páncreas en la occlusion intestinal. *Ars medica*, Barcel., 1935, 11: 336-45, 4 pl.—Las lesiones pancreáticas en la occlusion intestinal. *Rev. méd. Barcelona*, 1936, 25: 355-66.—Lucarelli, G. Sulle modificazioni istologiche di alcuni visceri (fegato, reni, milza, pancreas, tiroide, paratiroidi) nell'occlusion intestinale acuta. *Pathologica*, Genova, 1934, 26: 321-3, pl.—Le surrenali nell'occlusion intestinale acuta. *Clin. chir.*, Milano, 1934, n. ser., 10: 956-64.—McWhorter, G. L. Ends of omentum fused through opening in mesentery producing acute intestinal obstruction; chronic symptoms since childhood; resection of omentum, with relief. *Surg. Clin. N. America*, 1928, 8: 535-44.—Mamedov, Z. M. [Rare forms of intestinal obstruction] *Vest. khir.*, 1940, 60: 210-4.—Matukura, S. Chemical studies on liver and other tissues in intestinal obstruction, closed loop, intestinal fistula and perforation peritonitis. *Jap. J. M. Sc.*, 1930, 2: Tr. Surg., 1-145.—Mazzacava, G. Sulle alterazioni istologiche epato-renali nell'occlusion intestinale sperimentale. *Riv. pat. sper.*, 1930, 5: 343-58, 7 pl.—Mullen, B. P. Clinical pathological phases of intestinal obstruction. *West. J. Surg.*, 1936, 44: 636-41.—Onaca, N. [Study of ileus from material of the surgical clinic of Cluj] *Cluj. med.*, 1929, 10: 649-52.—Pagliai, E., & Mangione, G. Il pancreas nell'occlusion intestinale acuta. *Arch. ital. mal. app. diger.*, 1934, 3: 325-36.—Pagliani, F. Le modificazioni della struttura del pancreas nella occlusion intestinale sperimentale. *Pathologica*, Genova, 1934, 26: 455-60.—Miani, A. Le modificazioni della struttura delle capsule surrenali nell'occlusion intestinale sperimentale. *Bull. sc. med.*, Bologna, 1933, 105: 473-81.—Palma, R. Occlusion sperimentale dell'intestino e lesioni del pancreas. *Ann. ital. chir.*, 1926, 5: 1073-90.—Pathology of intestinal obstruction. *Brit. M. J.*, 1934, 1: 809.—Rubashev, S. M. [Partial intestinal obstruction] *Nov. khir. arkh.*, 1937, 39: 540-50.—Sencert, L. Syndrome d'occlusion intestinale; éléments d'anatomie et de physiologie pathologique. *Strasbourg méd.*, 1926, 84: pt 2, 211; 285; 331; 378.—Staemmler, M. Ileus und Nebennieren. *Beitr. path. Anat.*, 1931, 87: 700-18.—Strauch, C. Eine eigenartige Form von Darmverschluss. *Zbl. Chir.*, 1927, 54: 971-3.—Titone, M. Alterazioni del rene nelle stenosi intestinali sperimentali. *Riv. pat. sper.*, 1936-37, 16: 207-14, 2 pl.

Pathology, intestinal.

Altschul, A. S. [Changes in the nerve ganglions of the digestive tract in experimental intestinal obstruction] *Arkh. biol. nauk*, 1940, 58: 124-9.—Badile, P. Sul contegno anatomico dell'intestino nella occlusion sperimentale chiusa. *Arch. ital. chir.*, 1928, 20: 1-97.—Carlson, H. A., & Wangenstein, O. H. Histologic study of the intestine in simple obstruction. *Proc. Soc. Exp. Biol.*, N. Y., 1932, 29: 421-4.—Eisberg, H. B. Observations upon certain isolated loops in intestinal obstruction. *Ibid.*, 1926-27, 24: 683-5.—Gage, M., & Hosoi, K. Histological changes observed in the intestinal wall following simple mechanical obstruction in rabbits. *Ibid.*, 1934-35, 32: 1651-3.—Rebustello, E. Le alterazioni morfologiche delle reti linfatiche intestinali nell'occlusion sperimentale dell'intestino. *Arch. ital. anat. pat.*, 1935, 6: 99-108.—Schempp, E. Zur Frage der Durchlässigkeit der Darmwand für gelöste Stoffe, insbesondere beim Darmverschluss; experimentell-kritische Bemerkungen zu einer neueren Ileushypothese. *Beitr. klin. Chir.*, 1928, 143: 728-36.—Sperling, L., & Wangenstein, O. H. Influence of obstruction of the bowel upon its strength (bursting strength) *Proc. Soc. Exp. Biol.*, N. Y., 1934-35, 32: 1183-5.—Influence of obstruction of the bowel upon its length and weight. *Ibid.*, 1934-35, 32: 1219-24.—Tumaki, Y. Ueber die histologischen Veränderungen des Darmes in der Nähe des verschlossenen Teiles und der Leber beim experimentellen Darmverschluss. *Tr. Jap. Path. Soc.*, 1931, 21: 368-70.—Wangenstein

O. W. Distention in intestinal obstruction. Bicent. Conf. Univ. Pennsylvania, Probl. Intest. Obstr., 1941, 17-33.

Pharmacology.

Carlson, H. A., Dvorak, H. J. [et al.] Absorption of hydrokollagen from the obstructed bowel. Proc. Soc. Exp. Biol., N. Y., 1930-31, 28: 512-4.—Civit Llobet, L. Ileus dinámicos. Rev. méd. Barcelona, 1926, 2. ser., 5: 534-41.—Dragstedt, C. A. Some pharmacological considerations of intestinal obstruction. Illinois M. J., 1938, 74: 313-5.—Fine, J., Fuchs, F., & Mark, J. Effect of desoxycorticosterone on plasma volume in intestinal obstruction. Proc. Soc. Exp. Biol., N. Y., 1940, 43: 514-6.—Fine, J., & Gendel, S. Plasma transfusion in experimental intestinal obstruction. Ann. Surg., 1940, 112: 240-8.—Fitzhugh, G., Miller, M. L. [et al.] Studies on calcium and phosphorus metabolism: the effect of intravenous calcium chloride on peristalsis following intestinal obstruction in dogs. Am. J. Physiol., 1931, 97: 142-5.—Gage, I. M., Ochsner, A., & Cutting, R. A. Effect of insulin and dextrose on the normal and on the obstructed intestine. Arch. Surg., 1933, 26: 658-83.—Effect of insulin and glucose on the normal and on the obstructed intestine. Proc. Soc. Exp. Biol., N. Y., 1931, 29: 264.—Glatzel, J. [Effect of iodine on basal metabolism in intestinal occlusion] Polska gaz. lek., 1934, 13: 814-6.—Ithasi, T., & Hosaka, N. Chemical changes in the blood, and the therapeutic value of the bleeding and the infusion of salt solution in the intestinal obstruction of various sites. Se. Rep. Gov. Inst. Infect. Dis., Tokyo, 1927, 6: 405-26.—Iwasima, T. Experimental studies on acute intestinal obstruction; the effect of sodium chloride on the chemical changes in the blood after acute intestinal simple obstruction. Mitt. Med. Akad. Kioto, 1929, 3: H. 4, 8.—Kuribayashi, H. Pharmakologische Untersuchungen beim Darmverschluss des Kaninchens; über den Einfluss einverleibter Adstringentien auf die Lebensdauer und den Reststickstoffspiegel im Blut beim Darmverschluss. Jap. J. M. Sc., 1934-36, 4: Surg., 288-90. Also J. Chosen M. Ass., 1934, 24: 10.—Über den Einfluss adsorbierender Mittel auf den Reststickstoffspiegel beim experimentellen Darmverschluss des Kaninchens. Ibid., 85: 1219-26. Also Jap. J. M. Sc., 1934-36, 4: Surg., 292.—Miani, A., & Pagliani, F. L'azione dell'insulina sulla glicemia nella occlusione intestinale sperimentale. Bull. sc. med., Bologna, 1933, 105: 316-25.—Ochsner, A., Gage, I. M., & Cutting, R. A. Effect of morphine on obstructed intestine. Arch. Surg., 1934, 28: 406-16.—Influence of hypertonic salt solutions on the motility of normal and of obstructed intestine; an experimental study. Ibid., 1933, 27: 742-70.—The value of drugs in the relief of ileus; an experimental study. Ibid., 1930, 21: 924-58.—Treatment of experimental ileus by hypertonic saline solutions. Proc. Soc. Exp. Biol., N. Y., 1932, 29: 911-3.—Scott, H. G., & Wangenstein, H. Absorption of strychnine sulphate from strangulated segments of bowel. Ibid., 30: 287-91.

Physiopathology.

Arita, S. Beobachtungen über die Dünndarmbewegung beim experimentellen Ileus. Jap. J. M. Sc., 1934-36, 4: Surg., 287.—Atchley, D. W., & Benedict, E. M. The distribution of electrolytes in intestinal obstruction. J. Biol. Chem., 1927, 75: 697-702.—Best, R. R., Newton, L. A., & Meidinger, R. Absorption in intestinal obstruction. Arch. Surg., 1933, 27: 1081-6.—Binet, F. Physiopathologie de la occlusion intestinale. Crón. méd. mex., 1930, 29: 442-5.—Bouisset, D., & Fabre, P. Le péristaltisme intestinal dans l'occlusion; action du chlorure de sodium hypertonique. C. rend. Soc. biol., 1930, 104: 847-50.—Brandberg, R. An experimental study of intestinal motility in mechanical ileus. Acta chir. scand., 1939-40, 83: 287-306.—Carlson, H. A., & Wangenstein, O. W. Motor activity of the distal bowel in intestinal obstruction; comparison with the obstructed and normal. Proc. Soc. Exp. Biol., N. Y., 1929-30, 27: 676-81.—Costantini, A., & Ballarin, G. Ricerche sulla peristalsi intestinale; sulla motilità dell'intestino nell'occlusione sperimentale praticata a varia altezza. Arch. ital. mal. app. diger., 1935, 4: 663-76.—Donaldson, J. K. Intestinal obstruction; an attempt at an improved discussion of its pathologic physiology and treatment based on a simple classification and on past experimental and clinical experience. Arch. Surg., 1937, 35: 155-61.—& Stout, B. F. Mechanics of absorption in intestinal obstruction with surgical considerations. Texas J. M., 1934, 30: 455-61.—Galli, R. Ricerche sperimentali sulle alterazioni della funzione motrice dell'intestino normale per azione del liquido di anse occlusa. Arch. ital. mal. app. diger., 1935, 4: 60-92.—Guerreri D'Antona, G. Sulla motilità di un'ansa compresa fra due legature (ricerche sull'intestino isolato). Riv. pat. sper., 1935, 14: 231-6, 4 graph.—Gurevich, N. A. Über den Kreislaufshock bei dem akuten Darmverschluss. Arch. klin. Chir., 1929, 154: 584-96.—Heusser, H., & Schar, W. Ein bemerkenswerter Fall von Ileus; zugleich ein Beitrag zur Frage der Resorption beim Ileus. Zbl. Chir., 1930, 57: 1522-4.—Untersuchungen über die Resorption beim Ileus. Beitr. klin. Chir., 1931, 153: 548-58.—Kajijura, G., & Oboroya, K. Investigation of the influence of ileus upon the electrocardiogram of rabbits. Acta Scholae med. Univ. Kioto, 1933-34, 16: 267-70.—Kin, S. Experimentelle Untersuchungen über die Sekretion der Verdauungssäfte beim Darmverschluss. Jap. J. M. Sc., 1934-36, 4: Surg., 293. Also J. Chosen M. Ass., 1935, 25: 95-120; 216-21.—Lambert, O., & Driessens, J. Accumulation intra-pariétale du chlore au cours de l'occlusion intestinale expérimentale. C.

rend. Soc. biol., 1938, 129: 575.—Mansfeld, G. [Patho-physiology of ileus] Orvosképzés, 1939, 29: 771-80.—Massera, L. Il comportamento del rene nello occlusioni intestinali sperimentali provocate a varia altezza. Arch. ital. chir., 1941, 60: 20-50 (microfilm).—Masuda, M. Ueber die Darmbewegung bei dem am Kaninchen künstlich hervorgerufenen mechanischen Ileus. Keijo J. M., 1931, 2: 299-331.—Matukura, S. On liver function in acute intestinal obstruction; the permeability of the liver to rose bengal. Jap. J. M. Sc., 1927-29, 1: Tr. Surg., 245-51.—Matthaeus. Untersuchungen über die Resorption im Magen beim Ileus. Arch. klin. Chir., 1933, 175: 458-65.—Meyers, M. P., & Rosenblatt, M. S. Bile in intestinal obstruction; experimental observations. Surg. Gyn. Obst., 1929, 49: 473-6.—Montgomery, M. L. Influence of balloon distention of duodeno-jejunal loops on volume of combined digestive secretions. Proc. Soc. Exp. Biol., N. Y., 1938-39, 39: 382-5.—Nisida, J. Ueber den Einfluss des akuten Darmverschlusses auf die Funktion des retikuloendothelialen Systems der Leber und der Milz. Jap. J. M. Sc., 1934-36, 4: Surg., 298.—Ochsner, A. Physiologic considerations of ileus. Am. J. Roentg., 1937, 37: 433-45.—Owings, J. C., McIntosh, C. A. [et al.] Intra-intestinal pressure in obstruction. Arch. Surg., 1928, 17: 507-20.—Palma, R. L'assorbimento dell'intestino nell'ileo da strozzamento. Arch. ital. chir., 1926, 16: 549-69.—Rodino, D. Sull'assorbimento gastro-digunale nella occlusione intestinale acuta. Clin. chir., Milano, 1939, 42: 333-47.—Rost. Die neuen Erkenntnisse der pathologischen Physiologie des Ileus und ihre Verwertung für die praktische Therapie. Chirurg, 1930, 2: 692-9.—Smirnov, O. L. [Distribution of chlorides in skin and muscles in grave obstruction of intestines in dogs] Vest. khir., 1931, 24: 130-5.—Sperling, L., & Wangenstein, O. H. Lymphatic absorption in simple obstruction; significance of distention upon its occurrence. Proc. Soc. Exp. Biol., N. Y., 1935-36, 33: 23-6.—Paine, J. R. Intra-enteric pressure in experimental and clinical intestinal obstruction. Ibid., 1934-35, 32: 1504-6.—Stout, G. The pathological physiology of ileus as a basis for treatment. Am. J. Surg., 1933, 19: 283-91.—Swindt, J. M., & Montgomery, M. L. Influence of closed intestinal loop strangulation on volume of the combined digestive secretions. Proc. Soc. Exp. Biol., N. Y., 1934, 32: 176-8.—Taranino, A. M. La idrocloroemia nella occlusione intestinale acuta sperimentale in relazione al comportamento funzionale dei surreni. Patologica, Genova, 1939, 31: 292-9.—Tomassini, I. La funzionalità renale nella occlusione intestinale sperimentale. Ann. ital. chir., 1937, 16: 471-86.—Traum. Untersuchungen über den Nachweis von Trypsin bei innerer und äusserer Einklemmung. Deut. Zschr. Chir., 1927, 206: 8-11.—Wense, T., & Granzner, O. Zur Bedeutung der Nebennierenrinde und des Kochsalzes bei Infektion und Darmverschluss. Klin. Wschr., 1939, 18: 1336-8.

postoperative.

See also Ileus, Gynecological aspect.
O'DONNELL, L. A. *Acute intestinal obstruction following abdominal operation [Marquette Univ.] 8p. 4°. Milwaukee, 1925-26.
PÉRÈS, A. A. *L'occlusion intestinale après la kélotomie. 38p. 8°. Par., 1928.
Ascroft, P. B., & Samuel, E. Radiography in postoperative ileus. Lancet, Lond., 1940, 2: 445-9.—Bakushinsky, R. N. [Cases of postoperative intestinal obstruction] Vest. khir., 1929, 16: 77-87.—Brennan, J. Post-operative ileus. N. York State J. M., 1931, 31: 77.—Case, J. T. The value of the roentgen examination in the early diagnosis of post-operative ileus. Tr. West. Surg. Ass. (1922) 1923, 32: 181-98.—Deaver, J. B. Postoperative intestinal obstruction. Tr. South. Surg. Ass. (1926) 1927, 39: 119-23.—Del Valle, D., hijo. Ileo postoperatorio. Día méd., B. Air., 1933-34, 6: 259.—Ferguson, R. T. Postoperative intestinal obstruction. South. M. & S., 1934, 96: 217-9.—Gunn, J. A. Post-operative ileus. Canad. M. Ass. J., 1927, 27: 1154-7.—Hannett, J. W. Postoperative intestinal obstruction. Southwest. M., 1935, 19: 89-91.—Heise, W. Ileus durch Braunsche Enteroanastomose. Chirurg, 1934, 6: 812-5.—Masmonteil, F. Occlusiones intestinales post-opératoires. Rev. chir., Par., 1938, 76: 603-31. Also Bull. Soc. chir. Paris, 1939, 31: 309-15.—Matus, M. Dos casos de occlusion intestinal post-operatoria. Bol. Soc. cir. Chile, 1926, 4: 97-103.—Orosa, S. Y. Two cases of post-operative intestinal obstruction. J. Philippine M. Ass., 1940, 20: 289-91.—Palmer, D. W. Acute post-operative obstruction of the bowels diagnosed by the flat roentgenogram. Ann. Surg., 1933, 98: 672-7. Also Tr. Am. Surg. Ass., 1933, 51: 192-8.—Pápai, Z. [Post-operative intestinal occlusion] Cluj. med., 1936, 17: 138-54.—Pasman, R. E. Occlusion intestinal aguda postoperatoria; diagnóstico radiológico. Bol. Soc. cir. B. Aires, 1928, 12: 560-2, 2 pl.—Piotet, G. Remarques sur les iléus; l'ileus après gastrectomie. Gastroenterologia, Basel, 1941-42, 66: 174-81.—Postoperative ileus. Irish J. M. Sc., 1942, 6. ser., No. 198, 215.—Rivarola, R. A., & Ditchessarry, R. Sobre dos casos de occlusion intestinal postoperatoria. Bol. Soc. cir. B. Aires, 1927, 11: 278-81. Also Sem. méd., B. Air., 1927, 34: pt 2, 114.—Ryan, T. J. Acute postoperative intestinal obstruction. Surg. Clin. N. America, 1932, 12: 1469-72.—Snodgrass, T. J. Acute intestinal obstruction caused by nonabsorbable suture material. Surgery, 1939, 6: 437-44.—Téri, N. Ileus als Spätfolgekomplikation einer Leopold-Czernvchen Opera-

tion. Mschr. ungar. Med., 1933, 7: 47-9.—**Vergoz**. Occlusion intestinale tardive après appendicéctomie; tétanos d'origine viscérale. Bull. Soc. nat. chir., Par., 1927, 53: 1354-6.—**Zuckermann, C.** Occlusiones intestinales postoperatorias. Rev. mex. cir. gin. cáncer, 1937, 5: 159-69.—Occlusiones intestinales postoperatorias; importancia de las occlusiones intestinales postoperatorias. Rev. méd. vera Cruz., 1937, 17: 2431-8.

— postoperative, adynamic.

See also Ileus, adynamic.

HOWE, E. *Post-operative intestinal paresis. 15p. Milwaukee, 1936.

SCHRADER [K. A.] H. *Ueber den post-operativen paralytischen Ileus. 30p. 8° Marb., 1935.

Aimes, A. La parésie intestinale post-opératoire. Progr. méd., Par., 1927, 42: 1387.—**B.** El fleo paralítico constante de todo post-operatorio abdominal. Día méd., B. Air., 1934-35, 7: 653.—**Cambresier.** L'iléus postopératoire paralytique. Arch. méd. belges, 1926, 79: 1-9.—**Ducuing, J.** La parésie intestinale post-opératoire d'origine phlébique. Presse méd., 1928, 36: 1060.—**Funakosi, T.** Die Bedeutung der Darm-lähmung nach operativen Eingriff in die Extraperitonealhöhle. Mitt. Med. Akad. Kyoto, 1936, 18: 1292.—**Heusser, H.** Die postoperative Darmparese. Schweiz. med. Wschr., 1942, 72: 79.—**Nordland, M., & Larson, L. M.** Paralytic or reflex ileus, with report of a case of 14 days duration following simple herniotomy. Minnesota M., 1934, 17: 186-90.—**Olivecrona, H.** An experimental and clinical study of the postoperative, so-called paralytic ileus; pathological physiology of the post-operative and peritonitic intestinal paresis. Acta chir. scand., 1926-27, 61: 485-534, 2 pl.—**Phifer, F. W., & Rae, H. B.** Postoperative paralytic ileus. Colorado M., 1933, 30: 200-4.—**Stajano, C., & Crotogini, J. J.** El fleo paralítico constante de todo post-operatorio abdominal. Arch. urug. med., 1934, 5: 559-72.—**Ward, J. W.** Post-operative paralytic ileus. Pacific Coast J. Homoeop., 1932, 43: 415.—**Zuckerman, C.** Ileo paralítico postoperatorio. Día méd., B. Air., 1935, 7: 1104.

— postoperative, adynamic: Treatment.

GAERTNER, W. *Verhalten und Beeinflussung der postoperativen Darmparalyse. 15p. 8° Freib. i. B., 1934.

AVROV, E. A. [The use of physostigmine in post-operative paresis of the intestines] Vrach. gaz., 1928, 32: 1362.—**Bergouignan, L.** La parésie intestinale post-opératoire; comment la prévenir et la traiter. Prat. méd. fr., 1929, 8: 120-5.—**Borsotti, P. C.** Sull'uso dell'acetilcolina nella cura della parési intestinale post-operatoria. Minerva med., Tor., 1936, 27: 133.—**Branco Ribeiro, E.** Contribuição ao tratamento da parésia intestinal post-operatoria. Ann. paul. med. cir., 1934, 28: 463-78.—**Buchholz, C.** Die Behandlung der postoperativen Darmatonie mit Prostigmin. Zbl. Gyn., 1932, 56: 2943-5.—**Demme, H.** Postoperativer paralytischer Ileus und Heidenhainsche Darmfistel. Deut. Zschr. Chir., 1926, 199: 333-6.—**De Veszelka, F.** L'atonie intestinale post-opératoire e il suo trattamento con un nuovo enterocinetico. Rass. ostet., 1934, 43: 382-9.—**Engel, G. C.** The treatment of postoperative adynamic ileus. Surg. Clin. N. America, 1938, 18: 1705-15.—**Forgue, Lapeyrie & Soulas.** Un cas d'iléus paralytique post-opératoire guéri par la rachi-anesthésie. Arch. Soc. sc. méd. biol. Montpellier, 1929, 10: 589-92.—**Gruesco, T., & Dragos, A.** Le sérum hypertonic chloruré dans un cas d'iléus paralytique post-opératoire. Bull. Soc. chir. Paris, 1931, 23: 153-5.—**Hartel, F.** Zur Behandlung der postoperativen Darmatonie. Arch. klin. Chir., 1936, 186: 445-8.—**Imanitov, F. F.** El tratamiento de las parálisis intestinales postoperatorias. Repert. med. cir., Bogotá, 1931, 22: 56-66.—**Kaplan, I. W., & Michel, M. L.** Treatment of postoperative adynamic ileus and obstruction of the small bowel with the Miller-Abbott tube. N. Orleans M. & S. J., 1940-41, 93: 558-65.—**Kato, K.** Rectale Infusion der hypertonicen Kochsalzlösung bei postoperativer Darmparese. Jap. J. M. Sc., 1934-36, 4: Surg., 280.—**Kin, K.** Rectale Infusion der hypertonicen Kochsalzlösung bei postoperativer Darmparese. J. Chosen M. Ass., 1934, 24: 58.—**Kokoulin, S. N.** [Use of hypertonic solution of sodium chloride in the treatment of post-operative paresis of the intestines] Sovet. khir., 193, 6: 54-6.—**Kreiner, W. M.** Zur Behandlung der postoperativen Darmlähmungen. Wien. med. Wschr., 1935, 85: 526.—**Krinsky, A., & Stein, E. C.** Kasuistischer Beitrag zur intravenösen Hypophysin-Kochsalzlösung bei der Behandlung der postoperativen Darmlähmung. Zbl. Chir., 1927, 54: 591.—**Lévy, M., & Nora.** Occlusion intestinale paralytique post-opératoire tardive; inefficacité du chlorure de sodium administré par voie buccale. Arch. mal. app. digest., Par., 1925, 25: 190-3.—**Loewe, G., & Herbrand, J.** Zur Behandlung der postoperativen Darmlähmung. Beitr. klin. Chir., 1935, 162: 201-12.—**Mandillon.** Sur quelques cas d'emploi de l'éserine (prostigmine) dans la parésie intestinale post-opératoire. J. obst. gyn., Par., 4: No. 4, 44.—**Matukuma, M.** Prostigmin for postoperative intestinal paralysis. Jap. J. M. Sc., 1934-36, 4: Surg., 274.—**Mayer, A.** Die Rückenmarksanästhesie in der Behandlung der postoperativen Darmlähmung. Zbl. Chir., 1936, 63: 2251.—**Meyer-Wildisen, R.** Beitrag zur Bekämpfung der postoperativen Darmlähmung.

Ibid., 1933, 60: 1890-3.—**Neuweiler, W.** Versuche über Isacenverabreichung zur Behebung der Darmatonie nach Laparotomien. Schweiz. med. Wschr., 1926, 56: 1195.—**Pankow.** Ueber Physostigminbehandlung postoperativer Darmparalysen. Korbl. Bl. Allg. ärztl. Verein. Thüringen, 1904, 33: 412.—**Peluffo, A. R.** Profilaxis y tratamiento de las atónias y parálisis intestinales postoperatorias. Sem. méd., B. Air., 1940, 47: pt 2, 269-73.—**Perget, G.** Traitement de l'atonie intestinale post-opératoire. Prat. méd. fr., 1933, 14: 329.—**Ramadan, I. A., & El Boshi, Y. B.** Action of choline injections in post-operative paralytic ileus; report on a case treated in hospital. J. Egypt. M. Ass., 1934, 17: 461.—**Scarcella, A.** L'eserina nelle paresi intestinali post-operatorie; contributo clinico. Atti Soc. ital. ostet., 1905, 11: 137-46.—**Schlaepfer, K.** Relief of postoperative intestinal atony with prostigmin. West. J. Surg., 1936, 44: 437-9.—**Schloessmann.** Der Duodenalschlauch bei postoperativer Darmlähmung. Zbl. Chir., 1937, 64: 43-6.—**Sehening.** Zur Behandlung der postoperativen Darmatonie. Ibid., 1936, 63: 2805.—**Traitement** de la parésie intestinale post-opératoire et de l'occlusion intestinale. Rev. gén. clin. thér., 1934, 48: 235.—**Tratamiento** de la parésia intestinal post-operatoria y de la occlusion intestinal. Día méd., B. Air., 1935, 7: 1123.—**Vogt, E.** Die intravenöse Hypophysinkochsalzlösung zur Behandlung der postoperativen Darmlähmung. Münch. med. Wschr., 1926-73: 1509-12.—**Weise, W.** Erfahrungen mit Esmodil bei postoperativen Darmatonien. Deut. Zschr. Chir., 1935, 245: 309-11.

— postoperative: Pathology.

FRANÇOIS, H. R. *Des occlusions intestinales précoces après appendicéctomie à chaud; formes cliniques et traitement. 99p. 24½cm. Nancy, 1938.

VILHÈS, G. *Contribution à l'étude des occlusions intestinales post-opératoires. 48p. 8° Par., 1929.

Amorim, A. A. Considerações em torno de um caso de oclusão intestinal postapendicetomia em criança. Pediat. prat., S. Paulo, 1941, 12: 187-97.—**Aspinali, A.** Intestinal obstruction following operations on the lower part of the abdomen. Med. J. Australia, 1933, 2: 713.—**Camera, U.** Sopra un raro meccanismo di occlusione intestinale. Gazz. med. Roma, 1928, 54: 102-6.—**Curry, E. F.** Recurrent post-operative obstruction; report of 2 cases. Boston M. & S. J., 1927, 197: 131.—**Ducuing, J., & Fabre, P. C.** Iléus post-opératoire; phlébie pelvi-abdominale. J. méd. fr., 1934, 23: 55-62.—**Eising, E. H.** Intestinal obstruction due to stricture; following herniotomy for strangulated hernia. Am. J. Surg., 1927, n. ser., 3: 552-5.—**Hoyt, H. S.** Spastic contraction ring; a cause of postoperative intestinal obstruction. California West. M., 1931, 34: 105-7.—**Mirizzi.** Dos casos de obstrucción intestinal (precoz y tardía) subsiguiente a la apendicetomía de urgencia; ileo-sigmoidostomia; curación. Bol. Soc. cir. B. Aires, 1928, 12: 459-61.—**Pasman, R. E.** Occlusion aguda del duodeno post-operatoria (resección de estómago) por pedículo mesentérico. Ibid., 234-48.—**Patry, R., & Heer, W.** Ueber den postoperativen Strangileus. Schweiz. med. Wschr., 1931, 61: 103-5.—**Pizzagalli, L.** Occlusione intestinale acuta postapendicetomica. Boll. spec. med. chir., 1930, 4: 257-63.—**Quénu, J., & Martinais, P. F.** L'iléus par brides post-opératoires. Gaz. méd. France, 1930, 201-6.—**Schlink, H. H.** Post-operative intestinal obstruction in the lower part of the abdomen. Med. J. Australia, 1933, 2: 715-8.—**Soresi, A. L.** The carbolic scalpel and postoperative ileus. Am. J. Surg., 1929, n. ser., 6: 506-8.—**Ugón, C. V. A.** Occlusión post-operatoria por peritonitis adhesiva en el curso de la apendicitis aguda. An. Fac. med. Montev., 1929, 14: 272-82.—**Walters, W.** Subacute, acute, and postoperative intestinal obstruction. Surg. Clin. N. America, 1927, 7: 1567-77.—**Yovanovitch, B. Y.** Causes des occlusions intestinales post-opératoires; déductions prophylactiques. J. méd. Paris, 1937, 57: 923-8.—**Zoefgen, W.** Spätileus durch postoperative Hernienbildung im Ligamentum latum. Deut. med. Wschr., 1926, 52: 450.

— postoperative: Treatment.

See also Ileus, postoperative, adynamic: Treatment.

SHALLOW, B. H. *Drug therapy in the treatment of post-operative ileus [Marquette Univ.] 17p. 4° Milwaukee, 1931.

THEILLIER, E. *Contribution à l'étude du traitement des occlusions intestinales après appendicéctomie. 61p. 8° Par., 1928.

Asteriades, T. Deux nouveaux cas de guérison d'iléus spasmodique post-opératoire par la simple rachi-anesthésie. Arch. fr. belg. chir., 1927, 30: 337-41.—**Autfage.** Occlusion intestinale après ablation de l'appendice; colélitomie médiane, anastomose iléocolique; guérison. Bull. Soc. nat. chir., Par., 1927, 53: 1352.—**Babcock, W. W.** Prevention and management of postoperative intestinal incompetence. Surg. Clin. N. America, 1938, 18: 1599-620.—**Barthélemy.** Accidents d'occlusion post-opératoire; injections de sérum salé hypertonic; guérison. Bull. Soc. nat. chir., Par., 1930, 56: 637-9.—**Bosjovitch, V.** Traitement des occlusions intestinales post-

opératoires. Presse méd., 1930, 38: 1662.—**Bottin, J.** Influence des injections intraveineuses de citrate de sodium à 20% sur les accidents d'obstruction intestinale post-opératoire. Ibid., 1934, 42: 87-9.—**Breitfuss, F. F.** [Hermetic enterostomy in postoperative ileus] Vest. khir., 1936, 43: 54-7.—**Chenut, A.** Ileus dynamique post-opératoire guéri après rachianesthésie; les indications de la rachianesthésie dans le traitement des occlusions intestinales. J. méd. Bordeaux, 1927, 57: 140-3.—**Christensen, A.** [Statistics of ileus at Akers Hospital, with special regard to postoperative ileus: prophylaxis, diagnosis and treatment] Norsk mag. lægevid., 1927, 88: 846-61.—**Clément, F.** Un cas d'ileus post-opératoire traité avec succès par injections intraveineuses de solution hypertonique de chlorure de sodium. Bull. Soc. chir. Paris, 1930, 22: 347-52.—**Courty, L.** Occlusion intestinale post-opératoire traitée par injections intraveineuses de sérum salé hypertonique. Bull. Soc. nat. chir., Par., 1929, 55: 602.—**Dixon, C. F., & Gregg, R. O.** Management of postoperative intestinal obstruction complicated by hemorrhage on the basis of prothrombin deficiency. Minnesota M., 1940, 23: 169-73.—**Gilarteau, I., & Petruian, C.** [Grave postoperative intestinal occlusion, treated with injections of hypertonic solution] Rev. chir., Bucur., 1929, 21: 600-4.—**Guillaume-Louis, P.** Occlusion aiguë duodénale post-opératoire guérie par injection intraveineuses de sérum salé hypertonique. Bull. Soc. nat. chir., Par., 1929, 55: 90.—**Guthrie, D.** The treatment of postoperative obstruction. Pennsylvania M. J., 1932, 35: 376-80.—**Haberland, H. F. O.** Die Therapie des postoperativen Ileus. Chirurg, 1930, 2: 409-12.—**Harger, J. R., & Wilkey, J. L.** Management of postoperative distention and ileus. J. Am. M. Ass., 1938, 110: 1165-8.—**Hendon, G. A.** The treatment of post-operative ileus. Kentucky M. J., 1933, 31: 204-6.—**Janeke, C. E.** Die Dauerabschreibung des Magens bei der Behandlung des postoperativen Ileus. Zbl. Chir., 1930, 57: 1971-4.—**Lambert, O.** Sur les injections chlorurées sodiques hypertoniques dans l'occlusion intestinale et dans l'urémie post-opératoire. Bull. Soc. nat. chir., Par., 1930, 56: 305-13.—**Lastra, J. S.** La fistulización temporal del intestino en el tratamiento del ileus post-operatorio. An. cirug., Habana, 1929, 1: 69-75.—**Morgan, E. S., & Henderson, F. F.** Postoperative intestinal obstruction; its early recognition and management. West J. Surg., 1939, 47: 474-81.—**Niemann, G. H.** Treatment in post-operative ileus. J. Oklahoma M. Ass., 1934, 27: 438-41.—**Nora.** Occlusion aiguë duodénale post-opératoire guérie par injection intraveineuse de sérum salé hypertonique. Bull. Soc. nat. chir., Par., 1928, 54: 1420-3.—**Paine, J. R., Carlson, H. A., & Wangenstein, O. H.** The postoperative control of distention, nausea and vomiting; a clinical study with reference to the employment of narcotics, cathartics, and nasal catheter suction-phonage. J. Am. M. Ass., 1933, 100: 1910-7.—**Pescarmona, E.** La cura dell'occlusion intestinale post-operatoria con la prostigmina. Policlinico, 1935, 42: sez. prat., 1899-905.—**Potter, P. C., & Mueller, R. S.** Posterior pituitary extract in the prevention of post-operative intestinal distension; a preliminary report. Ann. Surg., 1932, 96: 364.—**Prochnow, F.** [Prevention and treatment of postoperative ileus] Orv. hetil., 1934, 78: mell., 187.—**Rouffart.** Occlusion intestinale post-opératoire tardive; rachianesthésie; syncope cardiaque 6 minutes après rachi; réanimation du cœur par 2 piqûres intracardiacques d'adrénaline. Bruxelles méd., 1936-37, 17: 1536-40.—**Simpson, B. S.** Diffuse pneumooccal peritonitis in a boy; post-operative paralytic ileus treated by anti-gas-gangrene serum; empyema; recovery. Brit. M. J., 1929, 2: 1106.—**Smith, R. N.** Advanced treatment in postoperative ileus. Am. J. Surg., 1933, 19: 272-4.—**Soupaull, R.** Accidents d'occlusion post-opératoire; injection de sérum salé hypertonique; guérison. Bull. Soc. nat. chir., Par., 1930, 56: 504-6.—**Spinal anaesthesia** as treatment for acute post-operative ileus. Practitioner, Lond., 1938, 141: 350.—**Téri, N.** Erfolge mit Glandutrin in der Heilung des postoperativen Ileus. Mschr. ungar. Med., 1933, 7: 17-21.—**Williams, O. C., & Smith, T. H.** The use of continuous nasal siphonage suction tube for postoperative distention, nausea, and vomiting, also intestinal obstruction, and a comparison of the different types of apparatus. Hosp. News, Wash., 1936, No. 3, 7: 8-16.—**Woods, L. S.** The use of spinal anaesthesia in post-operative ileus. Med. J. Australia, 1927, 2: 545.—**Yovanovitch, B. Y.** Traitement des occlusions intestinales post-opératoires. Rev. méd. fr., 1938, 19: 461-71.

— pregnancy.

See also **Ileus**, Gynecological aspect.

BOTZIAN, M. *Ueber Ileus und Gravidität. 20p. 8°. Münch. [1929]

LEITNER, I. *Ileus und Schwangerschaft [Leipzig] 38p. 8°. Lucka, 1927.

THELEN, W. *Ileus und Gravidität. 36p. 8°. Bonn, 1927.

Barone, C. J., Power, H. A., & Kuhn, C. L. Intestinal obstruction complicating pregnancy. Am. J. Obst., 1941, 41: 890-4.—**Barsky, C.** [Ileus and pregnancy] Vest. khir., 1927, 10: 282-6.—**Bemis, G. G.** Acute intestinal obstruction complicating late pregnancy. Am. J. Obst., 1932, 24: 436.—**Bettman, R. B., & Imerman, S. W.** Acute intestinal obstruction complicating pregnancy; intestinal resection and recovery. J. Am. M. Ass., 1928, 90: 384.—**Binet, B.** Occlusion intestinale da fecaloma in gravidanza. Riv. ostet. gin., 1932, 14: 200-4.—**Bischoff, G. H., & Pinkerton, C. C.** Late pregnancy compli-

cated by intestinal obstruction due to an opening in the mesentery in a young primipara. Am. J. Obst., 1937, 33: 675-8.—**Blair, M.** Intestinal obstruction caused by normal pregnancy. Canad. M. Ass. J., 1932, 26: 426-9.—**Bohler, E.** L'occlusion intestinale pendant la grossesse. Rev. fr. gyn. obst., 1931, 26: 17-25.—**Bovin, E.** Two cases of ileus during pregnancy with unusual etiology. Hygiea, Stockh., 1934, 96: 549; 568.—**Cornell, E. L.** Pregnancy complicated by intestinal obstruction. Surg. Clin. N. America, 1932, 12: 1253.—**Dellepiane, G.** Su di un caso di ileo in gravidanza. Clin. ostet., 1926, 28: 173-9.—**Diky, I. F.** [Case of intestinal obstruction during pregnancy] Vrach. delo, 1939, 21: 267.—**Donnier, L. V., & Elanchik, S. M.** [Obstruction of the intestine and pregnancy] Klin. med., Moskva, 1940, 18: No. 12, 87-9.—**Dzilikhov, I. G.** [Three cases of intestinal obstruction during pregnancy] Akush. gin., 1938, No. 5, 101.—**Eliason, E. L., & Erb, W. H.** Intestinal obstruction complicating pregnancy. Surgery, 1937, 1: 65-73.—**Estienny, E.** Occlusion intestinale et grossesse. Bull. Soc. obst. gyn. Paris, 1936, 25: 180-3.—**Fratkin, G. M.** [Intestinal obstruction in pregnancy] Vest. khir., 1938, 56: 636-45.—**Gavioli, R. L.** La occlusión intestinal y embarazo. Bol. Soc. obst. gin. B. Aires, 1940, 19: 711-33.—**Halter, G.** Beitrag zum Schwangerschaftsileus. Wien. klin. Wschr., 1931, 44: 762-5.—**Hansen, F. A.** Intestinal obstruction in the 4th month of pregnancy due to adhesions. J. Iowa M. Soc., 1941, 31: 237-9.—**Havlásek, L.** [Intestinal obstructions and pregnancy] Cas. lek. česk., 1934, 73: 1312; 1344.—**Hipsley, P. L.** Intestinal obstruction at the 7th month of pregnancy, due to long-standing and extensive peritoneal adhesions of obscure origin. Med. J. Australia, 1942, 1: 680.—**Kahr, H.** Zum Vorkommen des Ileus in der Gestation. Mschr. Geburtsh. Gyn., 1936, 102: 121.—**Kemkes, H.** Ileus in der Schwangerschaft. Deut. med. Wschr., 1928, 54: 1161.—**Klein, P.** Schwangerschaftsileus und Pyelitis. Zbl. Gyn., 1929, 53: 2531-4.—**Lafont & Calleja.** Un cas d'occlusion intestinale au cours de la grossesse. Bull. Soc. obst. gyn. Paris, 1932, 21: 531.—**De certaines formes d'occlusion intestinale au cours de la grossesse.** J. obst. gyn., Par., 1932, 3: No. 7, 5.—**Larson, L. M.** Bowel obstruction in pregnancy. Minnesota M., 1941, 24: 395.—**Lieberberg, R. M.** [Obstruction of the intestines in pregnancy] J. akush., 1932, 43: 40.—**Luchs, L.** Ueber Schwangerschaftsileus und verwandte Symptomenkomplexe. Mschr. Geburtsh. Gyn., 1926, 72: 270-84.—**Malfatti, J.** Zur Frage des Schwangerschaftsileus. Ibid., 24-9.—**Mascaró y Porcar, J. M., & Gubern Salisachs, L.** Ileus y embarazo. Rev. españ. obst., 1935, 20: 245-9.—**Ileus en una gestante de noveno mes.** Med. ibera, 1935, 29: 910-2.—**Massey, W. E.** Intestinal obstruction in pregnancy and labor. Texas J. M., 1935-36, 31: 566-8.—**Meumann.** Ileus in der Schwangerschaft. Zbl. Gyn., 1935, 59: 1113-5.—**Mikulicz-Radecki.** Ileus und Gravidität. Münch. med. Wschr., 1926, 73: 1352-6.—**Naidich, M. S.** [Problem of ileus in connection with pregnancy] J. akush., 1930, 41: 180-91.—**Paci, G.** Sopra un caso di occlusione intestinale in gravidanza. Clin. ostet., 1928, 30: 304-13.—**Pastieles, P., & Straetmans, R.** Occlusion intestinale aiguë et grossesse. Bruxelles méd., 1935-36, 16: 765-70. Also Gynecologie, Par., 1936, 35: 302.—**Paulson, W. O., & Garrett, L. M.** An unusual case of intestinal obstruction. Wisconsin M. J., 1938, 37: 1001-4.—**Peralta Ramos, A., & Roth, A.** El fleus paraltico en el embarazo como manifestación de toxicosis gravidica. Rev. gyn. obst., Rio, 1932, 26: 99-104.—**Priest, R. E.** Intestinal obstruction complicating twin pregnancy. Minnesota M., 1936, 19: 49-51.—**Rabinovich, K. N.** [Acute intestinal obstruction and pregnancy] Vest. khir., 1938, 56: 631-5.—**Radaeli, G.** Sopra un caso di ileo in gravidanza da volvulo del tenue, del cieco e del colon ascendente. Ann. ostet. gin., 1928, 50: 1085-98.—**Reis, R. A.** Intestinal obstruction complicated by pregnancy at term. Am. J. Obst., 1937, 34: 1038.—**Rupp, H.** Ileus unter der Schwangerschaft. Zbl. Gyn., 1929, 52: 1558-62.—**Russin, Y. I.** [Ileus during pregnancy] Vrach. delo, 1928, 11: 1666; 1763.—**Sassower** [Intestinal occlusion in pregnancy] Polska gaz. lek., 1933, 12: 114.—**Sennwald, F.** Schwangerschaftsileus und Pyelitis gravidarum. Zbl. Gyn., 1929, 53: 2535-41.—**Slemons, J. M., & Williams, N. H.** Ileus in pregnancy. Tr. Pacific Coast Soc. Obst., 1937, 7: 102-18.—**Smythe, H. J. D.** Acute intestinal obstruction due to hydrocephalic child. Brit. M. J., 1926, 2: 732.—**Sokol, E. G.** [Case of intestinal obstruction during pregnancy] Akush. gin., 1938, No. 5, 102.—**Sokolov, V. I.** [Case of acute intestinal obstruction during pregnancy] Khirurgia, Moskva, 1938, No. 11, 207.—**Steinitz, G.** Schwangerschaftsileus. Med. Welt, 1932, 6: 1681-3.—**Storp.** Echter Schwangerschaftsileus. Ibid., 1929, 3: 383-5.—**Tropea, U.** L'ileo nello stato di gestazione. Clin. ostet., 1937, 39: 549-56.—**Végh, L.** [Ileus in pregnancy] Budapesti orv. ujs., 1933, 31: 371-3.—**Vermelin, Chalnot & Louyot, J.** Occlusion intestinale en cours de grossesse. Bull. Soc. obst. gyn. Paris, 1936, 25: 543-6.—**Weintraub, F., & Jaffe, B.** Acute intestinal obstruction complicating pregnancy and the postpartum period, with a report of 4 cases. Am. J. Obst., 1940, 40: 481-5.—**Wilhelm, T.** Ueber Schwangerschaftsileus. Zbl. Chir., 1927, 54: 274-8.—**Zhmur, V. A.** [Obstruction of the intestine during pregnancy] Akush. gin., 1938, No. 5, 98-100.

— Prognosis.

Cserey-Pechány, A. [Prognosis of intestinal obstruction] Budapesti orv. ujs., 1933, 31: 1142-4.—**Frankau, C.** Prognosis in acute intestinal strangulation. Lancet, Lond., 1935,

1: 103.—Hudson, R. V., Smith, R., & Selbie, F. R. The prognosis of acute intestinal obstruction; experiments with intraperitoneal sulphanilamide. *Ibid.*, 1941, 1: 438-42.

Pseudo-ileus.

See also under names of primary diseases as Intestine, Infarction, etc.

Babitzky, P. S. [Cases of so-called pseudoperitonitis and pseudo-ileus] *Vrach. gaz.*, 1928, 32: 1323-30.—Christianson, H. W., & Bergen, J. A. Functional abdominal distention simulating intestinal obstruction. *Proc. Mayo Clin.*, 1931, 6: 441-8.—Ginglinger, A. Infarctus intestinal et pseudo-ileus puerpéral. *Bull. Soc. obst. gyn. Paris*, 1934, 23: 166. —Pseudo-ileus puerpéral. *Gynécologie, Par.*, 1934, 33: 270-2.—Scheffelaar Klotz, T. [Pseudoileus as a complication of diseases of the genito-urinary tract] *Geneesk. gids*, 1931, 9: 133-7.—Silva, H. Um caso de pseudo-oclusão intestinal. *Brasil med.*, 1941, 55: 709-14.

puerpéral.

See also Ileus, Gynecological aspect.

MORIN, P. E. *Les occlusions intestinales aiguës au cours de la puerpéralité. 167p. 25cm. Par., 1939.

Bernat, J. M. El ileus paralítico del post-parto. *Día méd.*, B. Air., 1935, 7: 1571-3.—Digonnet & Verne. Un cas d'occlusion intestinale aiguë postpartum par condure de l'angle splénique du colon. *Bull. Soc. obst. gyn. Paris*, 1936, 25: 643.—Donati, D. Ostruzione intestinale avvenuta durante l'espletamento del parto. *Clin. vet., Milano*, 1933, 56: 981-3.—Fronticelli, E. Occlusion intestinale in puerperio. *Clin. ostet.*, 1934, 36: 239-42.—Guchteneere, R. de. Iléus paralytique du post-partum. *Bruxelles méd.*, 1928-29, 9: 307-10.—Heymans van Anstel, H. [Case of ileus in puerperium] *Ned. tscr. geneesk.*, 1929, 73: 1487-90.—Jardine, R. A case of paralysis of the intestines with regurgitant peristalsis following delivery. *J. Obst. Gyn. Brit. Empire*, 1907, 11: 410-2.

Radiography.

DELVART, G. E. A. *Du diagnostic de l'obstruction intestinale par la radiographie directe sans préparation [Nancy] 45p. 24cm. Lille, 1934.

PAUMIER, J. G. *Examen radiologique sans préparation dans les occlusions intestinales. 79p. 24cm. Lille, 1936.

ROUSSET, J. *Le radiodiagnostic d'urgence de l'occlusion intestinale aiguë. 82p. 8°. Par., 1935.

SAMUELSON, S. *Zur Röntgendiagnose des Ileus [Frankfurt a. M.] p. 297-305. 8° [Lpz., 1930]

Also Röntgenpraxis, 1930, 2:

WÜRTZ, M. *Ist die Röntgendurchleuchtung bei Ileusverdacht zuverlässig? 23p. 8°. Würzb., 1933.

Abel, W. Ileus und Röntgenbild. *Zbl. Chir.*, 1937, 64: 1014-6. — Zur Technik und Auswertung des Röntgenbildes beim akuten Darmverschluss. *Chirurg*, 1938, 10: 867-72.—Ascroft, P. B., & Samuel, E. The X-ray diagnosis of acute intestinal obstruction. *Brit. J. Radiol.*, 1941, 14: 11-22.—Barthélemy. A propos de la radiographie abdominale sans préparation dans l'occlusion intestinale aiguë. *Bull. Soc. nat. chir., Par.*, 1935, 61: 133.—Bechet, M., Fournier, J., & Delbreil, J. A propos de la radiographie abdominale sans préparation dans l'occlusion intestinale aiguë. *Ibid.*, 456-61.—Becker, B. Was bedeutet der Befund von Flüssigkeitsspiegeln im Abdomen bei der Röntgenleeruntersuchung? zugleich ein Beitrag zur Differentialdiagnose des Ileus im Röntgenbild. *Röntgenpraxis*, 1936, 8: 145-56.—Bedetti, D. Contributo radiologico allo studio delle occlusioni intestinali. *Q. radiol.*, Belluno, 1937, 8: pt 2, 150-63.—Bernard, A. Deux exemples d'analogie clinique et radiologique entre l'occlusion intestinale paralytique et l'occlusion mécanique. *Arch. mal. app. digest.*, Par., 1936, 26: 413-9.—Bizard, G., & Vandendorp, F. Utilité de l'examen radiologique sans préparation dans le diagnostic des occlusions intestinales aiguës. *Echo méd. nord*, 1933, 37: 550-2, pl.—Boele, A. [Surface level in the roentgen diagnosis of ileus] *Ned. tscr. geneesk.*, 1940, 84: 1023-33.—Braun, M. Ueber Erkennung einiger Formen des Darmverschlusses mit Hilfe der Röntgen-Leeruntersuchung. *Gastroenterologia*, Basel, 1941-42, 66: 354 (Abstr.).—Brunn, H., & Levitin, J. A roentgenological study of intestinal obstruction. *Surg. Gyn. Obst.*, 1940, 70: 914-21.—Buckstein, J., & Michaels, L. The roentgen diagnosis of acute intestinal obstruction. *Am. J. Digest. Dis.*, 1936-37, 3: 767-70.—Carlson, H. A., Dvorak, H. J. [et al.] Value of X-ray evidence of bowel obstruction in various states of intestinal stasis. *Proc. Soc. Exp. Biol.*, N. Y., 1930-31, 28: 343.—Case, J. T. Roentgenological aid in the diagnosis of ileus. *Am. J. Roentg.*, 1928, n. ser., 18:

413-25. — The value of X-ray study in acute bowel obstruction. *Illinois M. J.*, 1938, 74: 326-30.—Chamberlain, W. E. Roentgenologic aids in the diagnosis and management of intestinal obstruction. *Surg. Clin. N. America*, 1938, 18: 1621-32.—Chapman, J. F. Intestinal obstruction; a roentgen and statistical study. *California West. M.*, 1935, 43: 419-22.—Charbonnel. A propos de la radiographie simple dans l'occlusion intestinale aiguë. *Bordeaux chir.*, 1935, 6: 278-81.—Cove, A. M., & Silverman, M. The value of roentgenography in the diagnosis and localization of intestinal obstruction. *Med. Ann. District of Columbia*, 1940, 9: 348-52.—Curtillet, E. La radiologie de l'occlusion aiguë; propos de chirurgie d'urgence. *Gaz. méd. France*, 1940, 47: 147-50.—Davis, K. S. A valuable roentgenographic aid in the diagnosis of intestinal obstruction. *Am. J. Roentg.*, 1927, n. ser., 17: 543-6.—[Discussion on Roentgen diagnosis of ileus] *Norsk. mag. laegevid.*, 1938, 99: Forh. kir. foren. Oslo, 40-7.—Durst, H., & Utzschneider, S. Beitrag zur Röntgendiagnose des Darmverschlusses. *Munch. med. Wschr.*, 1932, 79: 597-600.—Eliason, E. L., & Johnson, J. Diagnostic features of ileus. *Radiology*, 1936, 26: 342-8.—Fortier, L. A., & Gately, T. T. Pitfalls in the X-ray diagnosis of intestinal obstruction. *N. Orleans M. & S. J.*, 1938-39, 91: 481-3.—Ginzburg, L. X-ray diagnosis of acute intestinal obstruction without the use of contrast media. *Ann. Surg.*, 1932, 96: 368.—Giordano, D. Riflessioni su due casi di occlusion intestinale con speciale riguardo ai limiti utili della indagine radioscopica. *Gazz. internaz. med. chir.*, 1929, 37: 679-83.—Gosset, A. A propos de l'examen radiologique, préopératoire dans l'occlusion intestinale aiguë ou subaiguë. *Bull. Soc. nat. chir., Par.*, 1935, 61: 322-9.—Graves, J. Q., & Snelling, J. G. The early diagnosis of intestinal obstruction by x-ray examination. *Texas J. M.*, 1932, 28: 25-7.—Gros, O. Beiträge zur Röntgendiagnose des Darmverschlusses. *Arch. klin. Chir.*, 1931, 164: 407-41.—Hatcher, M. B., & Mass, M. Clinical and roentgenologic aspects of intestinal obstruction. *J. M. Ass. Georgia*, 1942, 31: 167-70.—Hintze, A. Allgemeine, topische und Ursachendiagnose des Ileus durch die Röntgenuntersuchung. *Verh. Berl. med. Ges.*, (1928) 1929, 59: 2, Teil, 227-31.—Hoyer, A. [Roentgen diagnosis of ileus] *Norsk. mag. laegevid.*, 1938, 99: Forh. kir. foren. Oslo, 22-32. — The roentgen diagnosis of intestinal obstruction. *Acta radiol.*, Stockh., 1938, 19: 409-32. — [Roentgen examination of intestinal obstruction at the Aker Municipal Hospital] *Nord. med.*, 1940, 7: 1246-8.—Huber, H. G. Zur Röntgendiagnostik des Ileus im Säuglings- und Kindesalter. *Kinderärztl. Prax.*, 1936, 7: 167-73.—Humbert, C. R. X-ray diagnosis of early intestinal obstruction. *Am. J. Surg.*, 1942, 56: 659-62.—Kalbfleish, W. K. The diagnosis of intestinal obstruction by Roentgen-ray. *Am. J. M. Sc.*, 1927, 174: 500-6, pl.—Kraas, E. Die röntgenologischen Zeichen des Darmverschlusses. *Chirurg*, 1930, 2: 829-33.—Lamarque & Bétoulières. Diagnostic radiologique dans 2 cas d'occlusion intestinale. *Rev. Soc. radiol. méd. France*, 1937, 25: 29-31.—Lamas-Pouey, E., & Menéndez, C. Diagnóstico radiológico de la occlusion intestinal. *Arch. urug. med.*, 1938, 13: 137-46.—Lardennois, G. La radiographie abdominale sans préparation dans l'occlusion intestinale aiguë. *Bull. Soc. nat. chir., Par.*, 1935, 61: 202-10. Also *Presse méd.*, 1935, 43: 288.—Licht, E. de F. Roentgen diagnosis of ileus. *Acta radiol.*, Stockh., 1940, 21: 32-8.—Lipschutz, E. W. Subacute intestinal obstruction with unusual dilatation of the colon, shown roentgenologically. *Am. J. Roentg.*, 1926, n. ser., 15: 326.—Lockwood, I. H. The X-ray examination in ileus and intestinal obstruction. *J. Arkansas M. Soc.*, 1940-41, 37: 255-8.—MacPherson, R. A. The role of roentgenology in acute intestinal obstruction. *Manitoba M. Ass. Rev.*, 1942, 22: 55-8.—Martens, M. Ileus im Röntgenbild. *Med. Klin.*, Berl., 1928, 24: 1417-9, 4 pl. Also *Verh. Berl. med. Ges.*, (1928) 1929, 59: 2, Teil, 199-206, 4 pl.—Mazza, H. L. Imagen radiográfica de niveles hidro-aéreos en el ileus; radiografías en la obstrucción y occlusion intestinal. *Sem. méd.*, B. Air., 1936, 43: pt 1, 1559-62.—Meller, O. Beiträge zum Röntgenbild des Ileus mit topischer und kausaler Diagnose. *Röntgenpraxis*, 1930, 2: 964-8.—Méivet, G. A propos de la radiographie sans préparation dans l'occlusion intestinale. *Mém. Acad. chir., Par.*, 1937, 63: 609.—Milligan, E. T. C., & Simon, G. Routine radiograms for investigation of intestinal obstruction. *Brit. M. J.*, 1931, 1: 1114.—Mondor, H. La radiographie dans l'occlusion intestinale. *Bull. Soc. nat. chir., Par.*, 1935, 61: 270-8. Also *Presse méd.*, 1935, 43: 347.—Monie, de. L'examen radiologique dans l'occlusion intestinale aiguë. *Arch. belg. Serv. san. armée*, 1939, 92: 93-100.—Moulouguet, P. Clôture de la discussion sur la radiographie sans préparation dans l'occlusion intestinale aiguë. *Bull. Soc. nat. chir., Par.*, 1935, 61: 461-8. — La radiographie dans l'occlusion intestinale aiguë. *Gaz. méd. France*, 1938, 45: radiol., 412: 466. — La radiographie sans préparation dans le diagnostic des occlusions intestinales aiguës. *Paris méd.*, 1936 99: 288-91, 2 pl. — & Rousset, J. La radiographie abdominale sans préparation dans l'occlusion intestinale aiguë. *Bull. Soc. radiol. méd. France*, 1935, 23: 102-11.—Ochsner, A. X-ray diagnosis of ileus; comparison of results obtained by roentgenograms in horizontal and upright position. *Proc. Soc. Exp. Biol.*, N. Y., 1931, 29: 327. — X-ray diagnosis of ileus; the value of roentgenograms in simple and strangulated obstruction; an experimental study. *Surg. Gyn. Obst.*, 1933, 56: 719-27. — & Granger, A. The Röntgen diagnosis of ileus. *Ann. Surg.*, 1930, 92: 947-54.—Orgel, D. H. A barium meal simulating intestinal obstruction. *Med. J. & Rec.*, 1929, 129: 396-8.—Patey, D. H., & Ascroft, P. B. X-ray diagnosis

of acute intestinal obstruction. Brit. M. J., 1935, 2: 1197-9, pl.—**Pchelina, E. A.** [Significance of the roentgen method in investigation and diagnosis of acute intestinal obstruction] Vest. khir., 1938, 56: 363-76, 6 pl.—**Pendergrass, E. P.** The role of the roentgenologic examination in the diagnosis of intestinal obstruction. N. England J. M., 1941, 225: 637-41.—**Perry, G.** X-ray studies in intestinal obstruction. Clin. Med., 1942, 49: 106-8.—**Pétrignani, R.** L'examen radiologique dans l'occlusion intestinale aiguë. J. méd. Paris, 1936, 56: 175.—**Piepenborn, J.** Der Wert des Röntgenbildes ohne Kontrastmittel bei Verdacht auf Darmverschluss. Gastroenterologia, Basel, 1942, 67: 95 (Abstr.).—**Piot, E.** Le diagnostic radiologique de l'occlusion intestinale aiguë. Bull. Soc. radiol. méd. France, 1935, 23: 170; 272.—**Polgár, F.** [Roentgen diagnosis of ileus] Orv. hetil., 1937, 81: mell., 92.—**Prat, D.** Diagnóstico radiológico del fleo. Día méd., B. Air., 1934-35, 7: 29-35.—**Rabwin, M. H.** The Roentgen-ray diagnosis of acute intestinal obstruction. Am. J. Surg., 1929, n. ser., 7: 656-8.—**— & Carter, R. A.** Acute intestinal obstruction; its diagnosis by the flat X-ray film. California West. M., 1930, 33: 483-6.—**Rendich, R. A., & Abrams, H. S.** Intestinal obstruction; evaluation of the roentgen diagnosis. Ann. Surg., 1935, 102: 1040-9.—**Reschke.** Seitliches Röntgenbild beim Ileus. Arch. klin. Chir., 1940, 200: 96 (microfilm)—**Reschke, K., & Vielhauer, W.** Zur Röntgendiagnose des Darmverschlusses; seitliche Aufnahme im Rückenlage des Kranken. Ibid., 1941, 201: 683-6 (microfilm)—**Sante, L. R.** Intestinal obstruction. Am. J. Roentg., 1935, 34: 744-54.—**Schar, W.** Röntgenbefund und Operationsindikation beim akuten Ileus. Schweiz. med. Wschr., 1937, 67: 650-2.—**Selby, J. H.** The diagnosis of intestinal obstruction; X-ray of great value in early detection of intestinal constriction. Am. Physician, 1926, 31: 19.—**Seley, G. P.** Acute intestinal obstruction without roentgenographic evidence. J. Mount Sinai Hosp. N. York, 1940-41, 7: 32-5.—**Sicard & Malgras.** Diagnostic radiographique d'une occlusion intestinale aiguë. Mém. Acad. chir., Par., 1937, 63: 515-24.—**Solis-Cohen, L., & Levine, S.** X-ray diagnosis of complete and partial acute intestinal obstruction. Radiology, 1938, 31: 8-14. Also Rev. radiol. fisioter., Chic., 1938, 5: 31.—**Sturr, R. P.** Roentgen changes in intestinal obstruction. J. M. Soc. N. Jersey, 1934, 31: 216-8.—**Swenson, P. C., & Hibbard, J. S.** Roentgenographic manifestations of intestinal obstruction. Arch. Surg., 1932, 25: 578.—**Teitelbaum, M. D.** The roentgen diagnosis of acute intestinal obstruction. N. Orleans M. & S. J., 1942-43, 95: 157-68.—**Wangenstein, O. H.** Elaboration of criteria upon which the early diagnosis of acute intestinal obstruction may be made, with special consideration of the value of X-ray evidence. Radiology, 1931, 16: 44-62.—**— & Lynch, F. W.** Evaluation of X-ray evidence as criteria of intestinal obstruction. Proc. Soc. Exp. Biol., N. Y., 1929-30, 27: 674-6.—**Weber, G.** Ueber die Bedeutung der Röntgenuntersuchung für die Diagnose des Ileus im Kindesalter. Mschr. Kinderh., 1930, 47: 11-23.—**Weber, H. M.** The roentgenologic approach to the diagnosis of intestinal obstruction. Med. Clin. N. America, 1941, 25: 1143-61.—**Wigby, P. E., & Cochran, W. H.** The roentgenogram in intestinal obstruction. Texas J. M., 1938-39, 34: 740-5.—**Willencourt, de.** L'examen radiologique sans préparation dans l'occlusion intestinale aiguë. Lyon chir., 1935, 32: 459-62.—**Zeitlin, N. S.** Intestinal obstruction. Radiology, 1939, 33: 628-32.

Site of occlusion.

Antitch, D. Les sténoses infraduodénales. Ann. méd. chir., Par., 1927-28, 1: 77-85.—**Brocq, P.** A propos du diagnostic par la radiographie du siège de l'obstacle dans l'occlusion intestinale aiguë. Bull. Soc. nat. chir., Par., 1935, 61: 268.—**Morton, J. J.** The differences between high and low intestinal obstruction in the dog; an anatomic and physiologic explanation. Arch. Surg., 1929, 18: 1119-39.

Site of occlusion: High occlusion.

See also under Duodenum; Ileum; Intestine, small; Jejunum.

Andrus, W. D., Guest, G. M. [et al.] Chemical studies of the blood in high intestinal obstruction; the relation between toxemia and chemical changes. J. Clin. Invest., 1932, 11: 475-88.—**Chidester, W. C.** High intestinal obstruction; a problem in diagnosis. Surg. Clin. N. America, 1930, 10: 1001-4.—**Dogliotti, M. A., & Mairano, M.** Sul meccanismo d'azione e sulle vie di eliminazione del cloruro di sodio nel trattamento dell'occlusion intestinale alta con soluzioni ipertoniche. Ann. ital. chir., 1930, 9: 295-312.—**Figurelli, G.** Ipocloruremia e terapia clorurosodica nelle occlusioni intestinali acute, alte (duodenali) Ibid., 9: 878-91.—**Guest, G. M., & Andrus, W. D.** Chemical studies of the blood in high intestinal obstruction; the distribution of phosphorus and intracellular changes. J. Clin. Invest., 1932, 11: 455-73.—**Jenkins, H. P.** Prolonging life in high obstruction by administration of salt solution below the point of obstruction. Proc. Soc. Exp. Biol., N. Y., 1930-31, 28: 111-3.—**Jura, V.** Valore della reazione del contenuto enterico nelle occlusioni sperimentali alte dell'intestino (nota preventiva) Arch. Soc. ital. chir. (1925) 1926, 32: 393-5.—**Mintz, S.** Ein Fall von hohem Darmileus infolge eines inkarzierten Gallensteines. Arch. Verdauungskr., 1928, 44: 382-6.—**Portis, M. M., & Portis, B.** Experimental high intestinal obstruction relief by irrigation and control of alkalosis. Proc. Inst. M. Chicago, 1926, 6: 58.—**Saito, K.** Experimental studies

of the high intestinal obstruction, especially the study of the bile. Jap. J. M. Sc., 1934-36, 4: Surg., 296.—**Stabins, S. J., & Kennedy, J. A.** The occurrence of B. welchii in experimental high intestinal obstruction. Arch. Surg., 1929, 18: 753.—**Sweet, J. E.** The cause of death in high obstruction. N. York State J. M., 1933, 33: 1194-6.—**White, J. C., & Bridge, E. M.** Loss of chloride and water from the tissues and blood in acute high intestinal obstruction; an experimental study on dogs with duodenal obstruction. Boston M. & S. J., 1927, 196: 893-7.—**White, J. C., & Fender, F. A.** The cause of death in uncomplicated high intestinal obstruction; experimental evidence to show that death is due not to toxemia, but to loss of digestive fluids and salts. Arch. Surg., 1930, 20: 897-905.—**Wohl, M. G., Burns, J. C., & Clark, J. H.** Adrenal glands in dogs with high intestinal obstruction. Proc. Soc. Exp. Biol., N. Y., 1935-36, 33: 543-6.

Site of occlusion: Low occlusion.

See also under Colon; Sigmoid.

Tison, J. M. A. G. *Le syndrome humoral de l'occlusion intestinale basse et son traitement par les solutions salées hypertoniques [Nancy] 86p. 24cm. Lille, 1934.

Del Valle, D., & Yódice, A. Tratamiento conservador de la obstrucción baja aguda del intestino grueso. Sem. méd., B. Air., 1931, 38: pt 2, 718.—**Guerrero D'Antona, G.** Sulla motilità della anse (a monte e a valle) in seguito all'occlusion bassa dell'intestino prodotta sperimentalmente. Riv. pat. sper., 1935, 14: 153-9, 7 graph.—**Hibbard, J. S., & Kremen, A. J.** Effect of the volatile base in fluid intestinal contents on dogs with low intestinal obstruction. Surgery, 1938, 3: 325-32.—**Jenkins, H. P., & Roome, N. W.** Low intestinal obstruction with biliary, pancreatic, and duodenal secretions short-circuited below obstructed point. Proc. Soc. Exp. Biol., N. Y., 1932, 29: 395.—**Johnson, J. A.** Acute mechanical obstruction of the lower bowel. Minnesota M., 1931, 14: 635-42.—**Landau, A., Glass, J., & Kaminer, S.** Occlusion intestinale basse, avec hypochlorémie, azotémie et acidose. In Prace klin. Oddz. chor. wewn. Szpit. Wolski, Warsz., 1932, 1231-43. Also Strasbourg méd., 1930, 90: 197-204.—**Matumoto, R.** Experimentelle Studien über den tiefen Ileus. Jap. J. M. Sc., 1934-36, 4: Surg., 294-6.

spastic.

See also Ileus, neurogenic.

Boman, K. [Studies on spastic ileus] Hygiea, Stockh., 1936, 98: 465-74.—**Brink, C. D.** Spastic ileus. S. Afr. M. J., 1934, 8: 52-4.—**Colp, R.** Colonic spasm as the cause of intestinal obstruction. Surgery, 1941, 10: 270-86.—**Edelmann, H.** Spastischer Ileus, Appendicitis und Darmgrippe. Zbl. Chir., 1928, 55: 75-7.—**Fagiani, R., & Unia, M.** Sopra un caso di ileo spastico. Osp. maggiore, Milano, 1936, 24: 212.—**Gillaume, A. C.** Sur un cas de pseudo-occlusion intestinale par spasme d'origine médullaire, signe de début d'une myélite transverse. Arch. mal. app. digest., Par., 1935, 25: 852-5.—**Henle, K.** Zur Kenntnis des spastischen Ileus. Mitt. Grenzgeb. Med. Chir., 1928-29, 41: 443-50.—**Idelsohn, F.** Occlusion intestinal aguda del lactante por espasmo. Sem. méd., B. Air., 1931, 38: pt 2, 1251.—**Krinsky, J. M.** [Spastic ileus] Klin. med., Moskva, 1932, 10: 147-50.—**Lichtl.** Spastischer Ileus bei Neugeborenen. Mschr. Kinderh., 1938, 73: 63-70.—**Pons Tortella, E., & Ferrández Senante, V.** Ileus espasmódico y trastornos vagosimpáticos. Rev. méd. Barcelona, 1931, 15: 234-43.—**Schmid, H. H.** Todesfall bei spastischer Darmverschluss. Beitr. klin. Chir., 1930-31, 151: 509-15.—**Steigmann, F., & Singer, H. A.** Idiopathic spastic ileus with fatal termination. Am. J. Surg., 1935, 27: 342-8.—**Studzinsky, I. V.** [Obstructive spastic ileus] Vest. khir., 1926, 8: No. 22, 133-9.—**Zimmerman, L. M.** Spastic ileus. Surg. Gyn. Obst., 1930, 50: 721-32.

stenotic.

See Intestine, Stenosis.

strangulation.

See Intestine, Strangulation.

Surgery.

See also Ileus, adynamic; Surgery.

Antupit, L. Newer concepts in the etiology, management, and surgery of intestinal obstruction. Proc. Connecticut M. Soc., 1932, 140: 103.—**Bikhriev, S. K.** [Intestinal obstructions] Nov. khir. arkh., 1938, 40: 468-72.—**Böhm.** Zehn Jahre chirurgische Behandlung des Darmverschlusses an der Leipziger Chirurgischen Klinik. Arch. klin. Chir., 1931, 164: 442-5.—**Bottin, J.** Treatment of intestinal obstruction. Arch. Surg., 1938, 37: 735-50.—**Deaver, J. B.** Intestinal obstruction. Ann. Surg., 1926, 84: 571-82.—**Della Mano, N.** Considerazioni clinico-operative su 342 casi d'occlusion intestinale, operati d'urgenza. Arch. Soc. ital. chir., 1934, 40: 749-74.—**Duval, P., & Gatellier, J.** Occlusion intestinale. In Précis path. chir., 6. éd., Par., 1938, 4: 577-622.—**Fainberg, B. I.** [Intestinal obstruction] Khirurgia, Moskva, 1937, No. 6, 84-99.—**Forgue,**

- E., & Aimes, A. Les problèmes actuels de l'occlusion intestinale. In their *Les pièges chir.*, Par., 1939, 450-65.—**Greenfield, B. H.** Intestinal obstruction. *Surg. Clin. N. America*, 1926, 6: 1685-94.—**Haberer, H. von.** Operative Therapie bei Darmverengerung und Darmverschluss. *Deut. med. Wschr.*, 1932, 58: 1431.—**Jones, T. E.** Surgical treatment of acute and chronic intestinal obstruction. *Surg. Clin. N. America*, 1937, 17: 1409-12.—**Königsberg, K. J.** [Remote sequelae in treatment of ileus] *Vest. khir.*, 1938, 56: 607-18.—**Lee, W. Y., & Tropea, F., jr.** Surgery in intestinal obstruction. *Clin. Med.*, 1942, 49: 109-11.—**Lockwood, C. D.** Intestinal obstruction. *Am. J. Surg.*, 1929, n. ser., 7: 371.—**Malpractice;** fecal fistula following operation for intestinal obstruction. *J. Am. M. Ass.*, 1938, 110: 1314.—**Margarucci, O.** Terapia della occlusione intestinale. *Clin. chir.*, Milano, 1926, 29: 135-50.—**Mason, J. T., Baker, J. W.** Intestinal obstruction (complete and partial) *Surg. Clin. N. America*, 1934, 14: 1415-26.—**Mateer, J. G.** Intestinal obstruction. *Am. J. Surg.*, 1931, n. ser., 12: 89-94.—**Mensing, E. H.** Intestinal obstruction; application of some of the newer principles involved from experimental and clinical experience. *Ibid.*, 1932, n. ser., 17: 206-15.—**Montgomery, A. H.** The treatment of intestinal obstruction. *Surg. Clin. N. America*, 1940, 20: 13-23.—**Mugrage, R. M.** Intestinal obstruction and its surgical problem. *Bol. As. méd. Puerto Rico*, 1937, 29: 361-9.—**Orr, T. G.** The therapeutic management of intestinal obstruction. *Surgery*, 1937, 1: 838-47.—**Haden, R. L.** The treatment of intestinal obstruction. *Ann. Surg.*, 1929, 89: 354-8.—**Pollok, L. W.** The necessity for early surgical intervention in acute intestinal obstruction; a survey of 48 cases. *Texas J. M.*, 1932, 28: 597-601.—**Ross, H. E.** The surgical treatment of acute intestinal obstruction. *Illinois M. J.*, 1938, 74: 331-5.—**Seltsovsky, P. L.** [Intestinal obstruction] *Nov. khir. arkh.*, 1939, 43: 169-76.—**Sholkov, B. V.** [On ileus] *Khirurgia, Moskva*, 1938, 117-27.—**Streicher, M. H.** Intestinal obstruction. *Surg. Clin. N. America*, 1942, 22: 19-30.—**Sudhoff, K.** Zur operativen Ileusbehandlung des Praxagoras. *Quellen Gesch. Naturwiss. Med.*, 1932-33, 3: H. 4, 151-4.—**Sweck, W. O., & Patterson, J. H.** Intestinal obstruction; a preliminary report. *Am. J. Surg.*, 1929, n. ser., 7: 813-7.—**Tyrell-Gray, H.** Ileus. In *Postgrad. Surg.* (Maingot, R.) N. Y., 1936, 1: 1181-212.—**Wangensteen, O. H.** Intestinal obstruction. In *Textb. Surg.* (Christopher, F.) 3. ed., Phila., 1942, 1184-217.—**Waterworth, S. J.** Intestinal obstruction. *Am. J. Surg.*, 1932, n. ser., 16: 317.—**Zuckermann, C.** Tratamiento de las oclusiones intestinales. *Rev. mex. cir.*, 1938, 6: 517-39.
- **Surgery: Decompression, drainage, and intubation.**
- PREIDT, H.** *Experimentelle Untersuchungen über die Bedeutung der mechanischen Entleerung (Ausstreichung) des Darmes bei Ileus und Peritonitis auf den Blutdruck. 60p. 8°. Marburg, 1928.
- Abbott, W. O.** Decompression of the intestinal tract. *Bicent. Conf. Univ. Pennsylvania, Probl. Intest. Obst.*, 1941, 35-46. — Intubation of the human small intestine; the treatment of intestinal obstruction and a procedure for identifying the lesion. *Arch. Int. M.*, 1939, 63: 453-68. — Intubation of the small intestine; the Miller-Abbott procedure in the treatment of intestinal obstruction; a nursing problem. *Trained Nurse*, 1939, 103: 521-5. — Intubation studies of the human small intestine; practical points in the treatment of acute obstruction. *Pennsylvania M. J.*, 1938-39, 42: 890-3. — Fluid and nutritional maintenance by the use of an intestinal tube. *Ann. Surg.*, 1940, 112: 584-93. — Role of intubation in the treatment of intestinal obstruction. *Ohio M. J.*, 1940, 36: 1061-5. — Some clinical and physiological considerations concerning intestinal intubation. *Proc. Interst. Postgrad. M. Ass. N. America* (1940) 1941, 302-5. — The treatment of intestinal obstruction with the double-barreled intestinal tube. *J. M. Soc. N. Jersey*, 1940, 37: 108-11. — **& Johnston, C. G.** Intubation studies of the human small intestine; a non-surgical method of treating, localizing and diagnosing the nature of obstructive lesions. *Surg. Gyn. Obst.*, 1938, 66: 691-7. — **Alessandri, H., & Lerner, J.** La sonda de Miller-Abbott en la obstrucción intestinal. *Rev. méd. Chile*, 1941, 69: 682-90. — **Allen, E. S., & Allen, J. D., jr.** The role of the Miller-Abbott tube in the treatment of intestinal obstruction. *South. M. J.*, 1941, 34: 766-70. — **Baber, C. R.** The Miller-Abbott tube as an aid in the management of intestinal obstruction. *Proc. Postcoll. Clin. Assemb. Coll. M. Ohio Univ.*, 1939, 6: 177. — **Bartlett, W., jr.** The concept of pyloric balance in ileus treated by continuous suction from the stomach. *Am. J. Surg.*, 1934, n. ser., 23: 484-96. — **Bennett, L. C.** Intubation management of distention in intestinal obstruction. *West. J. Surg.*, 1941, 49: 71-6. — Tube decompression in intestinal obstruction. *Southwest. M.*, 1940, 24: 152-7. — **Bernard, R.** Le drainage du grêle dans les ileus paralytiques et dans les occlusions. *Rev. chir. Par.*, 1933, 71: 606-26. — **Blalock, A.** Decompression of the intestinal tract. *Surg. Gyn. Obst.*, 1939, 68: 842-4. — **Blalock, T. T.** The importance of the Miller-Abbott tube in intestinal obstruction. *U. S. Nav. M. Bull.*, 1942, 40: 376-8. — **Blodgett, J. B.** An evaluation of intestinal suction in intestinal obstruction. *Surgery*, 1942, 11: 739-45. — A technic for the satisfactory use of the Miller-Abbott tube. *Am. J. Surg.*, 1941, 53: 271-9. — **Brooks, B.** Intestinal drainage; uses and abuses in obstruction. *J. Tennessee M. Ass.*, 1942, 35: 335-9. — **Carmichael, J. L., & Guffy, J. L.** Intestinal obstruction treatment by reinforced siphonage; a modification of Wangensteen's method. *Am. J. Surg.*, 1936, 31: 495-8. — **Clemens, J.** Ueber Darmentleerung durch Ausstreichn. *Zbl. Chir.*, 1936, 63: 1518. — **Cogswell, H. D., & Thomas, C. A.** Use of the Miller-Abbott tube. *Southwest. M.*, 1940, 24: 10-4. — **Cornils, E.** Ueber Darmentleerung bei Ileusoperation. *Zbl. Chir.*, 1926, 53: 782-4. — **Dearing, W. H., & Bergen, J. A.** The treatment of intestinal obstruction by intestinal intubation. *Proc. Centr. Soc. Clin. Res.*, 1942, 15: 56. — **Duncan, J.** Miller-Abbott intestinal intubation; evaluation in treatment of intestinal obstruction. *Northwest M.*, 1940, 39: 177-9. — **Duston, C. H.** Intestinal intubation. *Connecticut M. J.*, 1940, 4: 187-90. — **Fisher, J. B.** Intestinal obstruction, general considerations, and results of low intestinal intubation. *J. Kansas M. Soc.*, 1939, 40: 57-64. — **Gillum, G. N.** The use of the Miller-Abbott tube in small intestinal obstruction and paralytic ileus. *College J.*, Kansas City, 1940, 24: 56-61. — **Glenn, P. M.** Intestinal obstruction; results of treatment with the use of intestinal intubation. *Am. J. Digest. Dis.*, 1941, 8: 35-9. — Also *Clin. Bull. Clevel.*, 1940, 4: 94-7. — **Harris, F. I.** Intestinal intubation with a Miller-Abbott tube in treatment of cases of intestinal obstruction. *Pacific Coast J. Nurs.*, 1939, 35: 223-5. — **Heller, E.** Die Dauerdrainage des Magens bei der Behandlung des mechanischen und paralytischen Ileus und die Bekämpfung des Durstes bei unstillbarem Erbrechen. *Arch. klin. Chir.*, 1931, 164: 286-312. — **Hinson, A.** Failures in use of Miller-Abbott tube in intestinal obstruction. *J. S. Carolina M. Ass.*, 1942, 38: 284-7. — **Iselin, L.** L'aspiration continue d'après Wangensteen dans l'occlusion intestinale aiguë. *Praxis, Bern*, 1942, 31: 412 (Abstr.). — **Johnston, C. G.** Decompression in the treatment of intestinal obstruction. *Surg. Gyn. Obst.*, 1940, 70: 365-9. — Decompression of the small bowel by intestinal tube drainage at site of obstruction. *J. Michigan M. Soc.*, 1938, 37: 623-8. — Suction drainage in the management of intestinal obstruction. *Surgery*, 1940, 8: 715. — **Penberthy, G. C.** [et al.] Decompression of the small intestine in the treatment of intestinal obstruction. *J. Am. M. Ass.*, 1938, 111: 1365-8. — **Jurado, P.** Obstrucción intestinal y su tratamiento mediante la intubación aspiración por vías naturales. *Día méd., B. Air.*, 1941, 13: 322-4. — Tratamiento de obstrucción intestinal; la sonda de Miller-Abbott. *Prensa méd. argent.*, 1942, 29: 562. — **Kamenchik, M. G.** [Continuous drainage of the stomach by means of a narrow tube in acute intestinal obstruction] *Vest. khir.*, 1938, 56: 393-9. — **L., C.** La aspiración duodenal en el tratamiento de la occlusión intestinal. *Día méd., B. Air.*, 1940, 12: 109. — **Lewis, D. B.** Various uses of the Wangensteen suction apparatus. *Hosp. News, Wash.*, 1936, 11: No. 3, 20-3. — **Metheny, D., & Hartzell, H. V.** Diagnosis and treatment of intestinal obstruction, with special reference to Miller-Abbott tube. *Northwest M.*, 1942, 41: 49-52. — **Murphy, D. R.** The use of the Miller-Abbott tube in the management of ileus. *J. Florida M. Ass.*, 1942-43, 29: 130-3. — **Ochsner, A., & Sorrick, A. H.** Mechanical decompression of the small intestine in ileus. *J. Am. M. Ass.*, 1937, 108: 260-6. — **Oliveira, E. de.** A sondagem jejuno-ileal na obstrução intestinal. *Bol. Sanat. S. Lucas, S. Paulo*, 1941-42, 3: 131-5. — **Porcher, P.** Technique nouvelle du lavement électrique; utilisation électro-thérapeutique secondaire du lavement baryté classique dans l'obstruction intestinale. *J. radiol. électr.*, 1937, 21: 301-3. — **Pratt, G. H.** Intestinal obstruction relieved by hydraulic aspiration. *Surg. Clin. N. America*, 1934, 14: 163-7. — **Schärer, A. J., & Ferracani, R. S.** Tratamiento médico del ileus por la aspiración yeyunal. *Día méd., B. Air.*, 1940, 12: 760. — **Skinner, G. F.** Intestinal decompression; collective review. *Canad. M. Ass. J.*, 1942, 46: 245-9. — **Smith, B. B.** The use of Wangensteen's suction apparatus and enterostomy in abdominal surgery. *Texas J. M.*, 1941-42, 37: 776-80. — **Sperling, L., & Kremen, A.** Decompression of the obstructed intestine by manipulation under ether and pentobarbital sodium anesthesia; an experimental study. *J. Lancet*, 1940, 60: 365-8. — **Storck, A. H., & Ochsner, A.** Mechanical decompression of the intestine in treatment of ileus; effect of stripping on blood pressure; effect of intestinal activity. *Arch. Surg.*, 1936, 33: 664-95. — **Uriburu, J. V.** Tratamiento de la occlusión intestinal mediante la intubación y aspiración; indicaciones, técnica, accidentes. *Día méd., B. Air.*, 1942, 14: 282-8. — **Wangensteen, O. H.** The early diagnosis of acute intestinal obstruction with comments on pathology and treatment. *West. J. Surg.*, 1932, 40: 1-17. — The early diagnosis of acute intestinal obstruction with comments on pathology and treatment, with a report of successful decompression of 3 cases of mechanical bowel obstruction by nasal catheter suction siphonage. *Tr. West. Surg. Ass.* (1931) 1932, 41: 483-519. — Practical aspects of the therapeutic problem in intestinal obstruction, with a note concerning the reaction accompanying conservative decompression by suction. *Internat. Clin.*, 1935, 45. ser., 3: 227-51, 4 pl. — Therapeutic considerations in the management of acute intestinal obstruction; technic of enterostomy and a further account of decompression by the employment of suction siphonage by nasal catheter. *Arch. Surg.*, 1933, 26: 933-61. — **& Paine, J. R.** Treatment of acute intestinal obstruction by suction with the duodenal tube. *J. Am. M. Ass.*, 1933, 101: 1532-9. — **Wangensteen, O. H., Rea, C. E.** [et al.] Experiences with employment of suction in the treatment of acute intestinal obstruction; a reiteration

of the indications, contra-indications, and limitations of the method. *Surg. Gyn. Obst.*, 1939, 68: 851-68. Also *Tr. West. Surg. Ass.* (1938) 1939, 43: 358-413.—**Westhues, H.** Einfache Möglichkeiten der aseptischen Darmentleerung beim Ileus. *Zbl. Chir.*, 1936, 63: 1000-3.—**Wheeler, W. I. de C.** The recoil following free drainage in acute intestinal obstruction and other analogous conditions. *Lancet*, Lond., 1936, 2: 361-63.—**Whipple, A. O., & Nelson, J. A.** End results of decompression of the intestinal tract with and without operation. *Bicent. Conf. Univ. Pennsylvania, Probl. Intest. Obstr.*, 1941, 47-56.—**Willson, D. M.** Intestinal intubation; experiences in the medical management of patients with obstructing lesions of the small and large intestine. *Proc. Mayo Clin.*, 1940, 15: 372-7.—**Wise, R. A.** The Miller-Abbott double lumen tube in intestinal obstruction, a preliminary report. *Am. J. Surg.*, 1938, 41: 412-8.—**Wood, I. J.** Treatment of ileus, with special reference to continuous stomach aspiration and massive intravenous infusion. *Austral. N. Zealand J. Surg.*, 1937-38, 7: 340-50.—**Yodice, A.** Intubación intestinal; obstrucción intestinal. *Rev. As. méd. argent.*, 1941, 55: 362-7. Obstrucción intestinal y su tratamiento por la intubación. *Acción méd.*, B. Air., 1940, 10: 449-52.

— Surgery: Methods.

See also **Enterostomy; Ileocolostomy; Ileostomy**, etc.

AUSMAN, D. C. *Enterostomy; its surgical importance [Marquette University] 16p. 4° Milwaukee, 1930.

DOS SANTOS, C. L. *A laparotomia na obstrução intestinal. 65p. 8° Liss., 1890.

WORMLAND, A. *Operationssterblichkeit des Anus praeternaturalis bei Ileus durch Dickdarmcarcinom. 19p. 22 $\frac{1}{2}$ cm. Würzb., 1937.

Baumann, J. Ueber Alkalose nach Operationen mit Hinweis auf das Verhalten des Säurebasengleichgewichtes bei Ileus. *Deut. Zschr. Chir.*, 1930, 226: 335-43.—**Betto, O.** La linfofistostomia nell'occlusione intestinale. *Arch. ital. chir.*, 1938, 48: 197-227.—**Butler d'Ormond, R. de.** L'occlusion intestinale aiguë; l'entérostomie de sécurité. *Caz. hôp.*, 1926, 99: 1080.—**Carson, H. W., & Turner, G. G.** Operations for intestinal obstruction. In *Mod. Oper. Surg.* (Turner, G. G.) Lond., 1934, 1: 711-33.—**Colp, R.** Enterostomy in ileus. *Ann. Surg.*, 1933, 98: 1063-9.—**Courty, L.** Au sujet d'un cas d'occlusion intestinale aiguë traitée par anus caecal et injection de sérum salé hypertonique. *Bull. Soc. nat. chir.*, Par., 1928, 54: 1450-2.—**Estes, W. L., jr.** Entosis of the obstructed loop following enterocanastomosis for intestinal obstruction. *Ann. Surg.*, 1937, 105: 871-7. — **Holm, C. E.** The fate of the obstructed loop in intestinal obstruction following an anastomosis around the obstruction without resection. *Ibid.*, 1932, 96: 924. Also *Tr. Am. Surg. Ass.*, 1932, 50: 481-6.—**Flörcken, H.** Zur Operation des Ileus. *Deut. med. Wschr.*, 1927, 53: 1694.—**Haberer, H. von.** Ueber weitere Erfahrungen mit der einzeitigen Darmresektion im Ileus. *Deut. Zschr. Chir.*, 1931, 234: 477-89.—**Holden, W. B.** Surgical treatment of acute intestinal obstruction. *Surg. Gyn. Obst.*, 1930, 50: 184-92.—**Hosemann, G.** Ileus und Enterostomie. *Deut. Zschr. Chir.*, 1931, 232: 345-63.—**Istomin, V. E.** [Remote sequelae of treatment for intestinal obstruction] *Nov. khir. arkh.*, 1937, 39: 339-78.—**Knapp, H. B.** Ileus with report of 2-stage operation. *J. Michigan M. Soc.*, 1931, 30: 591-5.—**Knoepf, L. F., & Phillips, J. R.** The surgical management of acute intestinal obstruction. *Rev. Gastroenter.*, 1939, 6: 411-8.—**Knox, I. C.** Surgical procedure in special forms of intestinal obstruction. *N. Orleans M. & S. J.*, 1926-27, 79: 177-84.—**Koucky, J. D., & Beck, W. C.** Timing operative intervention for acute intestinal obstruction. *Arch. Surg.*, 1941, 42: 581-97.—**Läwen, A.** Zur Operation des Ileus. *Zbl. Chir.*, 1927, 54: 1037-45.—**Lautré, M. A.** Enterostomy in acute obstruction. *S. Afr. M. J.*, 1933, 7: 326-9.—**Ley, L.** Treatment of intestinal obstruction in adhesive peritonitis by enterolysis. *Clin. J. Lond.*, 1936, 65: 294.—**McGlannan, A.** Some limitations of enterostomy. *Ann. Surg.*, 1933, 98: 897.—**Mintz, H. M.** [Data on remote results in working capacity following operation for intestinal obstruction] *Klin. med.*, Moskva, 1941, 19: No. 5, 68-72.—**Mocquot, P.** Deux crises successives d'occlusion intestinale aiguë chez le même malade, guéries par l'entérostomie sur le grêle. *Bull. Soc. nat. chir.*, Par., 1935, 61: 64.—**Moreau, C.** Un cas d'occlusion intestinale par torsion du cæcum et de l'origine du colon ascendant; extériorisation; résection iléo-cæcale secondaire. *Bull. Soc. chir. Paris*, 1930, 22: 583-8.—**Ochsner, A., & Storck, A.** Simple enterostomy versus enterostomy plus intestinal evacuation in ileus. *Proc. Soc. Exp. Biol.*, N. Y., 1933, 30: 569.—**Orr, T. G.** Indications for enterostomy. *J. Am. M. Ass.*, 1933, 101: 1300-2.—**Palma, R.** A proposito della linfofistostomia nell'occlusione intestinale. *Boll. Soc. ital. biol. sper.*, 1928, 3: 274-6. — **Effetti della linfofistostomia nell'occlusione intestinale.** *Arch. ital. chir.*, 1928, 22: 333-56. — **La linfofistostomia nell'occlusione sperimentale dell'intestino.** *Arch. Soc. ital. chir.* (1927) 1928, 34: p. cxvii.—**Partipilo, A. V.** Surgery of the small intestine; consideration of intestinal obstruction. In *his Surg. Techn.*, 3. ed., Chic., 1938, 277-91.—**Philippowicz, J.** Fortschritte in der operativen Heilung des Ileus. *Zbl. Chir.*,

1933, 60: 2311-5.—**Riddle, P.** The value of sodium chloride and enterostomy in the treatment of acute intestinal obstruction. *Texas J. M.*, 1926-27, 22: 22-5.—**Saito, S., & Horiye, K.** Experimental studies on acute intestinal obstruction; influence of the removal of intestine below the obstruction. *Jap. J. M. Sc.*, 1927-29, 1: *Tr. Surg.*, 267-72.—**Stalker, L. K.** Various types of acute intestinal obstruction; surgical management. *Proc. Mayo Clin.*, 1940, 15: 356-9.—**Szépe, I.** [Laparotomy in symptoms of intestinal obstruction] *Orv. hetil.*, 1929, 73: 1310.—**Theodoresco, M.** Contribution à l'étude du traitement chirurgical de l'ileus dynamique. *Arch. mal. app. digest.*, Par., 1929, 19: 816-24.—**Van Beuren, F. T., jr.** Enterostomy in acute ileus; the time element; a preliminary report. *Am. J. Surg.*, 1926, n. ser., 1: 284-8. — **Mortality of enterostomy in acute ileus; improvement not referable to the time element.** *Ann. Surg.*, 1929, 90: 387-93. — **Smith, B. C.** The status of enterostomy in the treatment of acute ileus; a statistical study. *Arch. Surg.*, 1927, 15: 288-97.—**Vaughan, J. W.** Enterocanastomosis in intestinal obstruction. *Ann. Surg.*, 1930, 92: 704-9. Also *Tr. Am. Surg. Ass.*, 1930, 48: 266-71.—**Viannay, A.** Un cas d'entérectomie pour occlusion intestinale de cause complexe; brides multiples; guérison. *Loire méd.*, 1927, 41: 586-8.—**Walker, H. A.** Preoperative and postoperative care of intestinal obstruction. *J. Florida M. Ass.*, 1938-39, 25: 117-21.—**Wangensteen, O. H.** New operative techniques in the management of bowel obstruction; aseptic decompressive suction enterostomy; aseptic enterotomy for removal of obstructing gall stone, and operative correction of nonrotation. *Surg. Gyn. Obst.*, 1942, 75: 675-92. — **Rationalizing treatment in acute intestinal obstructions.** *Ibid.*, 1937, 64: 273-80.—**Webber, I. M.** The limitations of enterostomy and undesirable effects incident to its use. *N. England J. M.*, 1935, 212: 1-7.

— Toxemia.

See also **Entero-toxemia; Ileus, Mortality; Cause of death.**

O'NEILL, G. A method for adequate detoxication. 25p. 12° [Phila., 1935] Mimeographed.

SCHENK, T. *Beiträge zur Frage des Ileusgiftes. 31p. 8° Würzb., 1929.

SCHÖNDORF, E. *Zur Frage des Ileusgiftes. 24p. 8° Würzb., 1928.

Aird, I., & Henderson, W. K. Intestinal strangulation: the histamine content of the peritoneal transudate from strangulated intestinal loops. *Brit. J. Surg.*, 1936-37, 24: 773-9.—**Alberti, V.** Sulla natura istaminomimica delle sostanze tossiche nel liquido di ristagno della occlusione intestinale acuta sperimentale. *Riv. pat. sper.*, 1937, 19: 337-46.—**Aubertin, E., & Magendie, J.** La toxémie et l'infection sanguine dans les états de stase aiguë de l'intestin (péritonites, occlusions intestinales, étranglements herniaires) *Rev. chir.*, Par., 1929, 67: 93-120.—**Blanchetière, A., & Binet, L.** Sur la nature du produit toxique intervenant dans l'occlusion intestinale. *C. rend. Soc. biol.*, 1929, 101: 14-7.—**Brockmann, R. S. L.** Toxemia of acute intestinal obstruction. *Lancet*, Lond., 1927, 2: 317-22.—**Buchholz, W., & Lange, H.** Ileus und Darmflora; kann für die Intoxikation beim Ileus die abnorme Entwicklung der Darmflora verantwortlich gemacht werden? *Münch. med. Wschr.*, 1927, 74: 233.—**Calò, A.** L'auto-intossicazione nella occlusione intestinale acuta. *Policlinico*, 1930, 37: sez. chir., 475-90.—**Frey, W. von.** Untersuchungen über Ileus- und Fäulnisgifte. *Zschr. ges. exp. Med.*, 1932, 82: 278-322.—**Gatch, W. D., Truster, H. M., & Lyons, R. E.** Toxemia in acute intestinal obstruction; toxicity of intestinal contents, with special reference to the pancreaticoduodenal secretion. *Arch. Surg.*, 1934, 28: 1102-20.—**Haerem, S., Dack, G. M., & Dragstedt, L. R.** Acute intestinal obstruction; the permeability of obstructed bowel segments of dogs to Clostridium botulinum toxin. *Surgery*, 1938, 3: 339-50.—**Heuer, G. J., & Andrus, W. DeW.** The effect of adrenal cortical extract in controlling shock following the injection of aqueous extracts of closed intestinal loops. *Tr. Am. Surg. Ass.*, 1934, 52: 153-68.—**Hill, F. C., & Stoner, M. E.** The toxicity of intestinal content and of the transudate from an obstructed loop. *Surgery*, 1941, 10: 250-64.—**Holt, R. L.** The toxæmia of acute intestinal obstruction; the value of B. welchii antitoxin in its treatment. *Lancet*, Lond., 1934, 1: 724-8.—**Jorgensen, M. Y., Dietz, N., & Hill, F. C.** Potassium as a toxic factor in intestinal obstruction. *Proc. Soc. Exp. Biol.*, N. Y., 1940, 43: 282-7.—**McVicar, C. S., & Weir, J. F.** Nature and treatment of the toxemia of intestinal obstruction and ileus. *J. Am. M. Ass.*, 1929, 92: 887-92. — **The toxemia of intestinal obstruction and ileus; clinical deductions regarding its nature and treatment.** *Proc. Mayo Clin.*, 1928, 3: 193.—**Magendie, J.** L'infection sanguine dans les états de stase aiguë de l'intestin (occlusions intestinales, péritonites, étranglements herniaires) *Prat. méd. fr.*, 1929, 8: 283-6.—**Michel, A.** Le chlorure de sodium dans le traitement de l'intoxication au cours de l'occlusion intestinale. *Marseille méd.*, 1930, 67: 59-68.—**Miura, Y.** Experimentelle Untersuchung über die Entstehung von Ileusgiften. *J. Chosen M. Ass.*, 1933, 23: 64.—**Morton, J. J., & Stabins, S. J.** Relation of Bacillus wechii antitoxin to the toxemia of intestinal obstruction. *Arch. Surg.*, 1928, 17:

860-71.—Orr, T. G. Treatment of the toxemia of intestinal obstruction. *Tr. West. Surg. Ass.* (1923-24) 1924, 35: 249-59.
 — & Haden, R. L. Chemical factors in the toxemia of intestinal obstruction. *J. Am. M. Ass.*, 1928, 91: 1529.—
 Ostrowski, T. [Auto-intoxication in an acute case of ileus] *Polska gaz. lek.*, 1931, 10: 181. Also *Zbl. Chir.*, 1931, 58: 2373-7.—
 Oughterson, A. W., & Powers, J. H. The relationship of the toxin of *Bacillus welchii* to the toxemia of intestinal obstruction. *Arch. Surg.*, 1929, 18: 2019-24.—
 Owings, J. C., & McIntosh, C. A. Perfringens antitoxin and experimental intestinal obstruction. *Ibid.*, 2237-45.—
 Paramore, R. H. The toxæmia of acute intestinal obstruction. *Lancet*, Lond., 1927, 2: 412.—
 Patry, R. Ueber den Wert des Kochsalzes zur Prophylaxe und Behandlung der Ileusintoxikation. *Schweiz. med. Wschr.*, 1930, 60: 692.—
 Raine, F., & Perry, M. C. Intestinal obstruction; experimental studies on toxicity, intra-intestinal pressure and chloride therapy. *Arch. Surg.*, 1929, 19: 478-511.—
 Rice, K. C. Treatment of intestinal obstruction and toxæmia. *J. M. Ass. Georgia*, 1927, 16: 279; 297.—
 Scholefield, B. G. Acute intestinal obstruction; experimental evidence of the absorption of a toxin from obstructed bowel, with a critical review of various methods of treatment. *Guy's Hosp. Rep.*, Lond., 1927, 77: 160-83.—
 Schwichtenberg, C., & Burget, G. E. Closed loop fluid. *Proc. Soc. Exp. Biol.*, N. Y., 1931, 29: 167.—
 Scudder, J., Zwemer, R. L., & Truszkowski, R. Potassium in acute intestinal obstruction. *Surgery*, 1937, 1: 74-91.—
 Scudder, J., Zwemer, R. L., & Whipple, A. O. Acute intestinal obstruction; evaluation of results in 2,150 cases; with detailed studies of 25 showing potassium as a toxic factor. *Ann. Surg.*, 1938, 107: 161-97, pl.—
 Shin, H. Experimentelle Untersuchungen über den Strangulationsileus; Toxämie bei Strangulationsileus. *J. Chosen M. Ass.*, 1936, 26: 57.—
 Thurston, H. F. The rôle of toxin of *Bacillus welchii* in the toxæmia of acute intestinal obstruction; an experimental study. *Arch. Surg.*, 1931, 20: 72-85.—
 Toxæmie (The) element in intestinal strangulation. *Lancet*, Lond., 1936, 1: 1128.—
 Turco, A. La sieroterapia nell'intossicazione ed occlusione intestinale acuta. *Gior. batt. imm.*, 1931, 6: 552-63.—
 Van Beuren, F. T., jr. Acute ileus; comparison of toxicity of obstructed and non-obstructed intestinal contents. *Ann. Surg.*, 1935, 102: 605-18. Also *Tr. Am. Surg. Ass.*, 1935, 53: 124-37.—
 Wahren, H. The intoxication in intestinal strangulation; an experimental study. *Acta chir. scand.*, 1936, 78: 121-39.—
 Walzberg, T. Intoxikationspsychose nach Ileus-Operation. *Med. Klin.*, Berl., 1926, 22: 1565.—
 Wangenstein, O. H., & Chunn, S. S. Studies in intestinal obstruction; a comparison of the toxicity of normal and obstructed intestinal content. *Arch. Surg.*, 1928, 16: 606-14.—
 Wangenstein, O. H., & Waldron, G. W. Studies in intestinal obstruction; strangulation obstruction; a comparison of the toxicity of the intestine and other tissues autolyzed in vivo and in vitro. *Ibid.*, 17: 430-9.—
 Williams, B. W. The importance of toxæmia due to anaerobic organisms in intestinal obstruction and peritonitis. *Brit. J. Surg.*, 1926-27, 14: 295-322.—
 Williams, M. E. Intestinal obstruction with post-operative anatomical recovery, but death from toxæmia. *Med. Woman J.*, 1941, 48: 186.

traumatic.

See also Ileus, Forensic and industrial aspect.
 RÖDÉN, S. An experimental study on intestinal movements; particularly with regard to ileus conditions in cases of trauma and peritonitis. 146p. 8°. Helsin., 1937.

Andersen, K. M. [Traumatic ileus paralyticus] *Ugeskr. læger*, 1932, 94: 173-5.—
 Casanova, A. Occlusión intestinal. In *Práct. méd. accid. trab.* (Oller, A.) *Madri.*, 1929, 232-6.—
 Christopher, F. Ileus following rib fracture. *Ann. Surg.*, 1929, 90: 394-6.—
 Hanke, H. Zur Kenntnis des traumatischen, funktionellen Frühileus. *Arch. klin. Chir.*, 1930-31, 163: 407-14.—
 Ralphs, F. G. Ileus following fractured ribs. *Brit. J. Surg.*, 1925-26, 13: 559-61.

Treatment.

BÜLOW, W. *Zur Kasuistik der Ileusbehandlung [Kiel] 21p. 23½cm. Quakenbrück, 1937.
 WANGENSTEIN, O. H. The therapeutic problem in bowel obstruction; a physiological and clinical consideration. 360p. 8°. Springfield, [1937]

Alvárez Amezcuita, J. Occlusión intestinal y su tratamiento. *Analecta med.*, Méx., 1940, 1: No. 3, 13-9.—
 Baber, C. R. The lowered mortality in the management of intestinal obstruction. *Rev. M. Progr. Proc. Postcolleg. Clin. Assembl. Coll. M. Ohio Univ.*, 1941, 8: 38-40.—
 Banet y Piña, V. Tratamiento de la occlusión intestinal. *Rev. med. cir. Habana*, 1930, 35: 676-82.—
 Bigsard, J. D. Management of intestinal obstruction. *J. Omaha Clin. Soc.*, 1942, 3: 67-70.—
 Caddick, E. L. The treatment of intestinal obstruction. *Quincy M. Bull.*, 1934, 11: 247-9.—
 Clark, W. H. The treatment of mechanical and paralytic ileus. *Internat. J. M. & S.*, 1935, 48: 185.—
 Corry, D. C. Treatment of advanced cases of intestinal obstruction or strangulation. *Brit. M. J.*, 1931, 1: 219.—
 Davis, C. R. Treatment of intestinal obstruction. *J. Michigan M. Soc.*, 1934, 33: 496-503.—
 Drescher, A. Ileusbehandlung. *Med. Klin.*, Berl., 1940, 36: 843 (Abstr.) (microfilm)—
 Dziembowski,

S. de. Quelques considérations sur le diagnostic et le traitement des formes rares de l'ileus et du pseudo-ileus aigu. *Proc. verb. Congr. fr. chir.*, 1937, 46: 603-18.—
 Gohrbandt, E. Die Behandlung des Ileus. *Klin. Wschr.*, 1927, 6: 1050-2.—
 Horváth, L. [Treatment of abnormal occlusion] *Budapesti orv. ujs.*, 1927, 25: 245-8.—
 Johnston, C. G. Some fundamental implications in the management of intestinal obstruction. *Proc. Inst. M. Chicago*, 1940-41, 13: 86. Also *Washington Univ. M. Alumni Q.*, 1941, 4: 24-30.—
 Krecke, A. Die Behandlung des Darmverschlusses. *Münch. med. Wschr.*, 1929, 76: 18-21.—
 Lichtenstein, M. E. The basis for therapy in intestinal obstruction. *Illinois M. J.*, 1942, 81: 309-16. Also *Mississippi Valley M. J.*, 1941, 63: 135-41.—
 Macrae, D., jr. Management of acute condition of the abdomen; complicated by marked ileus or septic invasion of the peritoneum. *J. Am. M. Ass.*, 1927, 89: 1113-8.—
 Melchior, E. Die Behandlung des Ileus. *Klin. Wschr.*, 1928, 7: 701-4.—
 Mensing, E. H. Reducing the hazards in the treatment of intestinal obstruction. *Wisconsin M. J.*, 1934, 33: 807-17.—
 Treatment of intestinal obstruction; involving problems in abnormal physiology and chemistry. *Ibid.*, 187-91.—
 Miller, G. Treatment of intestinal obstruction. *Lancet*, Lond., 1931, 1: 1078-80.—
 Minyawi, I. F. el. The treatment of intestinal obstruction. *J. Egypt. M. Ass.*, 1930, 13: 381-94.—
 Morton, J. J. The treatment of intestinal obstruction. *N. York State J. M.*, 1933, 33: 1197-203.—
 Orr, T. G. Recent advances in the treatment of intestinal obstruction. *Proc. Interst. Postgrad. M. Ass. N. America* (1928) 1929, 54-7.—
 Palma, E. C. Consideraciones sobre el problema terapéutico de la occlusión intestinal; a propósito de 4 casos clínicos recientes. *Arch. urug. med.*, 1941, 19: 442-58. Also *Rev. méd. veracruz.*, 1942, 22: 3706-19.—
 Plank, J. R. The treatment of intestinal obstruction; its chemistry and physiology. *Rocky Mountain M. J.*, 1938, 35: 127-30.—
 Shollenberger, C. W. A report of several cases of chronic bowel obstruction with treatment. *Hahneman. Month.*, 1933, 68: 489-96.—
 Thompson, J. D. Overcoming intestinal obstruction. *Eating Your Way to Health*, Oakland, Calif., 1933, 2: 1-3.—
 Wangenstein, O. H. Practical aspects of the therapeutic problem in bowel obstruction. *Jackson Co. M. J.*, 1935, 29: No. 3, 39.—
 Zuckerman, C. Tratamiento de las occlusiones intestinales. *Rev. méd. Yucatán*, 1933-35, 18: 50-4.

Treatment: Anesthesia.

BLÉCON, M. *Ileus et rachianesthésie. 63p. 8°. Par., 1927.

Anderson, C. Effect of spinal anesthesia in acute intestinal obstruction; report of a case. *Surg. Clin. N. America*, 1931, 11: 341-3.—
 Brown, G. Anaesthesia in acute intestinal obstruction. *Med. J. Australia*, 1939, 2: 170-3.—
 Coville. Sur la rachianesthésie dans l'occlusion intestinale. *Bull. Soc. nat. chir.*, Par., 1927, 53: 447.—
 Dawson, G. M. Acute intestinal obstruction; the value of spinal anesthesia in determining the necessity for surgical exploration of the abdomen. *J. Florida M. Ass.*, 1930-31, 17: 364-6.—
 Durand, G. Occlusion intestinale et traitement par rachianesthésie. In *Année méd. prat.*, Par., 1939, 18: 243.—
 Duval, P. La rachianesthésie dans l'ileus aigu. *Bull. Soc. nat. chir.*, Par., 1927, 53: 596-610.—
 Greig, D. M. Spinal anesthesia in post-operative and other forms of ileus. *Edinburgh M. J.*, 1927, n. ser., 34: 470-5.—
 Kamenskaia, N. D. [Anesthesia in acute intestinal obstruction] *Vest. khir.*, 1938, 56: 400-3.—
 Lapointe, A. La rachianesthésie dans l'ileus aigu. *Bull. Soc. nat. chir.*, Par., 1927, 53: 474-8.—
 Lecène. A propos de la rachianesthésie chez les malades en état d'occlusion intestinale aiguë. *Ibid.*, 448-51.—
 Lepoutre, C. La rachianesthésie dans le traitement des occlusions intestinales aiguës. *Ibid.*, 302-4. Also *J. sc. méd. Lille*, 1927, 45: 381-5.—
 Markowitz, J., & Campbell, W. R. The relief of experimental ileus by spinal anesthesia. *Am. J. Physiol.*, 1927, 81: 101-6.—
 Maclaure. A propos de la rachianesthésie dans l'occlusion intestinale. *Bull. Soc. nat. chir.*, Par., 1927, 53: 472-4.—
 Neely, J. W. Spinal anesthesia as a therapeutic measure for intestinal obstruction. *Texas J. M.*, 1930-31, 26: 357-60.—
 Ochsner, A., Gage, I. M., & Cutting, R. A. Comparative value of splanchnic and spinal analgesia in the treatment of experimental ileus. *Arch. Surg.*, 1930, 20: 802-31.—
 Relative value of splanchnic and spinal analgesia in treatment of experimentally produced ileus. *Proc. Soc. Exp. Biol.*, N. Y., 1929-30, 27: 217-9.—
 Treatment of ileus by splanchnic anesthesia; preliminary report of experimental study. *J. Am. M. Ass.*, 1928, 90: 1847-53.—
 Picot. La rachianesthésie au cours de l'occlusion intestinale. *Bull. Soc. nat. chir.*, Par., 1927, 53: 486-8.—
 Riche. Occlusion intestinale et rachianesthésie. *Ibid.*, 451-3.—
 Richter, G. A. [Diagnostic and therapeutic significance of novocain block in various forms of ileus] *Nov. khir. arkh.*, 1937, 38: 410. Also *Vest. khir.*, 1938, 56: 408.—
 Robson, J. A. Anaesthesia for acute intestinal obstruction in general practice. *Lancet*, Lond., 1932, 2: 1432.—
 Ronzini, M. La rachianestesia nelle occlusioni intestinali. *Clin. chir.*, Milano, 1932, 35: 961.—
 Schneider. Die Periduralanästhesie zur Behandlung des Ileus im Kindesalter. *Zbl. Chir.*, 1939, 66: 1059-61.—
 Schuberth, O. [Spinal anesthesia in ileus] *Nord. med.*, 1940, 7: 1199.—
 Sholkov, B. V. [Acute intestinal obstruction and anesthesia] *Vest. khir.*, 1938, 56: 404-7.—
 Sousa Pereira. A infiltração novocáinica dos nervos esplâncnicos na terapêutica da occlusão intestinal. *Med. contemp.*, Lisb., 1938, 56: 119.—
 Valdés, U. La raquianestesia como medio curativo del ileus dinámico. *Rev. As. méd. mex.*, 1927, 6: 129-34.—
 Vanlande & Boppe. Rachianesthésie et iléus. *Bull. Soc. nat. chir.*, Par., 1927, 53: 479-85.—
 Ward, B.

W. Spinal and splanchnic anaesthesia in the relief of intestinal obstruction, with a report of 3 cases. *J. Oklahoma M. Ass.*, 1931, 24: 123-8.

— Treatment: Drugs and biological products.

Americo Valerio. Ileus dinamico e transusio de sangre. *Brasil med.*, 1934, 38: 579.—**Courty, L.** Au sujet de 4 cas d'occlusion intestinale traitée par dérivation et injections intraveineuses de sérum salé hypertonique additionné de solucamphre. *Bull. Soc. nat. chir., Par.*, 1929, 55: 1335-9.—**Denk, W.** Erfolg wegen Ileus mit Antitrypsinserum behandelt. *Wien. med. Wschr.*, 1926, 76: 256.—**Kottlors, E.** Die Darmwirkung des Prostigmin im Röntgenbild. *Med. Klin., Berl.*, 1932, 28: 366-8.—**Schwerk, G.** Unsere Erfahrungen mit Prostigmin. *Deut. med. Wschr.*, 1932, 58: 412.—**Spassokukotzky, S. I.** [Blood transfusion in ileus] *Vest. khir.*, 1933, 30: 38-44.

— Treatment: Fluid and chloride.

Esnoux, J. J. *Le chlorure de sodium dans l'occlusion intestinale. 54p. 8° Par., 1930.

Battista, A. La soluzione salina ipertonica nella cura dell'intossicazione da occlusione intestinale acuta. *Riforma med.*, 1929, 45: 905-9.—**Baudet, P. M. G.** Le sérum salé hypertonique dans l'occlusion intestinale. *Arch. méd. pharm. mil.*, 1935, 102: 693-9.—**Bonneau, R.** Note sur le péristaltisme immédiat provoqué par le sérum hyperchloruré intraveineux. *Bull. Soc. chir. Paris*, 1931, 23: 74-7.—**Bouisset, L., & Fabre, P.** Le péristaltisme intestinal dans l'occlusion; action du chlorure de sodium hypertonique. *C. rend. Soc. biol.*, 1930, 104: 847-50.—**Coleman, E. P.** Personal observations in the use of hypertonic saline solution in acute intestinal obstruction. *Tr. West. Surg. Ass.* (1926) 1927, 36: 55-68. — Use of hypertonic saline solution in acute intestinal obstruction. *J. Am. M. Ass.*, 1927, 88: 1060-2.—**Courty, L., & Paget.** Sur l'hypochlorurémie de l'occlusion intestinale aiguë et son traitement par les injections intraveineuses de sérum salé hypertonique. *Bull. Soc. nat. chir., Par.*, 1930, 56: 475-83.—**Denis, R.** Les bases physiologiques de la thérapeutique salée dans l'occlusion intestinale. *Presse méd.*, 1929, 37: 1527.—**Dogliotti, A. M., & Mairano, M.** Notre expérience de 3 années dans la thérapeutique salée dans l'occlusion intestinale. *Ibid.*, 1930, 38: 880.—**Dupré, P.** Le chlorure de sodium dans les occlusions aiguës du tube digestif. *Bull. méd. Québec*, 1930, 31: 79-89.—**Fumagalli, R.** Il trattamento salino ipertonico nelle sindromi di occlusione intestinale. *Osp. maggiore, Milano*, 1930, 18: 77-87.—**Gosset, A., & Petit-Dutaillis, D.** La rechloration dans l'occlusion intestinale. *Bull. Soc. nat. chir., Par.*, 1930, 56: 1291-6. — La rechloration dans l'occlusion intestinale; indications de la méthode et résultats. In *Livres jubil.* (Roger, G. H.) *Par.*, 1932, 121-6. — & **Binet, L.** De la valeur du chlorure de sodium employé en solution hypertonique et à haute dose comme moyen curatif ou préventif de l'intoxication dans les occlusions du tube digestif. *Presse méd.*, 1928, 36: 17-21. — De la rechloration en cas d'occlusion intestinale; résultats obtenus. *Ibid.*, 1930, 38: 249-52.—**Gosset, M.** Injections intraveineuses de sérum salé hypertonique dans l'occlusion intestinale. *Bull. Soc. nat. chir., Par.*, 1929, 55: 2-5.—**Idezuki, S.** Die Bedeutung und der Wert der intravenösen Injektion hypertonischer Kochsalzlösung bei Ileusbehandlung (experimentelle und klinische Untersuchung) *Jap. J. M. Sc.*, 1934-36, 4: Surg., 285.—**Kin, S.** [Ueber die therapeutische Bedeutung der Kochsalzinfusion beim akuten Darmverschluss und den Auswahl der erfolgreichsten Infusionsmodelle] *J. Closen M. Ass.*, 1935, 25: 235-56, pl.—**Küss, G.** A propos des injections de sérum salé hypertonique par voie rectale dans l'occlusion intestinale. *Bull. Soc. nat. chir., Par.*, 1928, 54: 1460; 1929, 55: 95-8.—**Leoni, C.** Trattamento clorurato nella occlusione intestinale. *Dia med.*, B. Air., 1931-32, 4: 531.—**Miani, A.** L'azione delle soluzioni ipertoniche di cloruro di sodio; occlusioni intestinali. *Bull. sc. med., Bologna*, 1931, 103: 126-38.—**Orr, T. G., & Haden, R. L.** Chlorid treatment of intestinal obstruction. *South. M. J.*, 1926, 19: 300-2. — & **Johnstone, P. N.** Use of hypertonic sodium chloride solutions to stimulate peristalsis. *Surg. Gyn. Obst.*, 1931, 52: 941-4.—**Popov, V., Kraivanov, G., & Andurov, F.** [Curative value of hypertonic solutions of sodium chloride in intestinal obstruction] *Vrach. gaz.*, 1930, 34: 946-8.—**Frati, M.** Il trattamento con cloruro sodico ad alte dosi nella occlusione intestinale sperimentale. *Riv. pat. sper.*, 1930, 5: 168-77.—**Schnohr, E.** [Treatment of ileus with hypertonic sodium chloride injections] *Hospitals-tidende*, 1930, 73: 831; 839.—**Suprazhinsky, V. N.** [Hypertonic solutions of sodium chloride in acute obstruction of the bowels] *Sovet. khir.*, 1932, 2: 42.—**Tytgat.** L'emploi des solutions hypertoniques de chlorure de sodium dans les occlusions intestinales. *Ann. Soc. méd. Gand.*, 1929, n. ser., 8: 146-8.—**Wolf, C. G. L., & Canney, J. R. C.** The treatment of ileus by chlorine. *Lancet, Lond.*, 1926, 1: 707.

— Treatment: Methods.

ALPAGO-NOVELLO, L. Un caso d'occlusione intestinale guarito coll'enterocolisma. 4p. 21½cm. Tor., 1882.

Occlusione intestinale grave, guarita coll'enterocolisma, l'entero-paracentesi e la elettricità. Sp. 21½cm. Padova, 1882.

MOIROUD, P. Le traitement médico-chirurgical; cale de l'occlusion intestinale aiguë et subaiguë; indications, technique, résultats. 119p. 8° Par., 1931.

Christian science treatment of intestinal obstruction. *Lancet, Lond.*, 1934, 2: 214.—**Clodfelter, H. M.** The medical management of intestinal obstruction. *Proc. Postcoll. Clin. Assemb. Coll. M. Ohio Univ.*, 1939, 6: 214-6.—**Custis, J. B. G.** The problem of intestinal obstruction. *Homocop. Rec.*, 1937, 52: 496-502.—**Darling, H. C. R.** The treatment of intestinal obstruction in general practice. *Med. Press & Circ., Lond.*, 1935, 190: 430-4.—**Doménech Alsina, F.** Diferentes causas y mecanismos de la obstrucción intestinal y su tratamiento. *Rev. méd. Barcelona*, 1928, 2. ser., 9: 210.—**Dziembowski, S. de.** Quelques considérations sur le traitement de l'ileus et du pseudo-ileus aigu de l'intestin. *Bull. Soc. méd. Paris*, 1937, 29: 73-88.—**Frumusan, J., & de Mendoza, F. S.** Une nouvelle thérapeutique intestinale; l'aspirocluse. *Bull. Acad. méd., Par.*, 1934, 3. ser., 111: 347-52. Also *Rev. gén. clin. thér.*, 1934, 48: Suppl., 731-8.—**Goycochea, O. L. de.** Ideas actuales sobre el tratamiento de la occlusión intestinal. *Rev. méd. quir. pat. fem., B. Air.*, 1939, 14: 1051-62.—**Haggard, W. D.** The management of acute and chronic intestinal obstruction. *Proc. Interst. Postgrad. M. Ass. N. America* (1927) 1928, 3: 312-6.—**Ikulson, M. B.** [Operative and conservative treatment of intestinal obstruction] *Nov. khir. arkh.*, 1937, 38: 148-56.—**Kubat, A., & Mahler, P.** Spasmyolyse und Peristaltikförderung im Dickdarm (Beitrag zur Bekämpfung unklarer Darmverchlüsse) *Med. Klin., Berl.*, 1936, 32: 213-5.—**Laquerrière, A.** Le lavement électrique. *Union méd. Canada*, 1934, 63: 419-26.—**Levin, A. L., & Shushan, M.** The value of the medical plan of treatment in intestinal obstruction. *Rev. Gastroenter.*, 1938, 5: 7-14.—**Massey, G. B.** Low volt electric waves in intestinal inactivity; physical and physiologic considerations. *Phys. Ther.*, 1926, 44: 551-6.—**Monaco, D. F.** Management of bowel obstruction. *Southwest. M.*, 1938, 22: 393-7.—**Morton, J. J.** The treatment of ileus as indicated by clinical experience, and experimental studies. *Ann. Surg.*, 1932, 95: 856-77.—**Nevanlinna, V.** [Results of 10 years of endeavoring to find a more effective treatment for ileus] *Duodecim, Helsinki*, 1939, 55: 867-88.—**Patey, D. H.** Recent advances in the diagnosis and treatment of intestinal obstruction. *Clin. J. Lond.*, 1935, 64: 89-93.—**Pauchet, V.** Los acedamientos intestinales crónicos. *Mem. Congr. venezol. med.* (1926) 1927, 5. Congr., 2: 367-75, portr.—**Pérez Fontana, V., & Benatti, D.** El lavado retrógrado del tubo digestivo en el tratamiento de la occlusión intestinal. *Dia med.*, B. Air., 1931-32, 4: 737.—**Piccinino, F.** La cura della occlusione intestinale con i mezzi fisici. *Rinasc. med.*, 1925, 2: 443-5.—**Primrose, A.** The treatment of intestinal obstruction by the general practitioner. *Proc. Interst. Postgrad. M. Ass. N. America*, (1929) 1930, 5: 311-9.—**Rea, C. E.** A decade of conservative treatment of intestinal obstruction. *Surg. Gyn. Obst.*, 1941, 72: 670-2.—**Rusanov, A. G.** [Practical and theoretical significance of conservative treatment of intestinal obstruction] *Vest. khir.*, 1937, 50: 121-3. Also *Nov. khir. arkh.*, 1937, 38: 203; 249.—**Schlicke, C. P.** Factors in conservative management of intestinal obstruction. *Proc. Mayo Clin.*, 1940, 15: 369-72. — **Bargen, J. A., & Dixon, C. F.** The management of intestinal obstruction; an evaluation of conservative therapy. *J. Am. M. Ass.*, 1940, 115: 1411-b. — **Solé y Forn, J.** Traitement de l'obstruction intestinale par le massage; nouvelle méthode de technique. *Rapp. Congr. internat. physiothér.*, 1905, 1. Congr., No. 24, 1-11, No. 25, 1-8.—**Wangenstein, O. H.** The management of intestinal obstruction. *Proc. Interst. Postgrad. M. Ass. N. America*, 1936, 141-4.—**Young, E. L., jr.** Treatment late in intestinal obstruction. *Boston M. & S. J.*, 1927, 196: 957.—**Zúñiga Idiáquez, M., & Paredes, L.** Un caso de occlusión intestinal; tratamiento por la enteroclistis, la lavativa eléctrica y la laparotomía exploradora; curación. *Arch. Hosp. Rosales, S. Salvador*, 1909, 4: 1-5, ch.

— verminous.

See also **Helminthosis**, Complication; also under names of intestinal parasites.

Alles, E. C. Acute intestinal obstruction caused by dense accumulation of round-worms. *Brit. M. J.*, 1924, 2: 1001.—**Arkhimovich, B. Z.** [Verminous ileus] *Nov. khir. arkh.*, 1936, 37: 98-101.—**Baroni, G.** Sulle occlusioni intestinali da elminti. *Minerva med.*, Tor., 1933, 24: 226-8.—**Bielskus, L.** [Case of ileus verminous] *Medicina, Kaunas*, 1936, 17: 881-3.—**Bulla, J.** [Ileus caused by ascarides] *Bratisl. lek. listy*, 1940, 20: 167-70.—**Carman, J. A.** A case of acute intestinal obstruction due to taeniasis. *Kenya East Afr. M. J.*, 1927-28, 4: 152.—**Coeelho Duarte, L.** Curiosidade em abdomen agudo. *Med. cir. pharm.*, Rio, 1941, pt. 2, 301-7.—**Dmitrieff, J. P.** Ileus verminous (Oxyuren) *Zbl. Chir.*, 1926, 53: 1876.—**Ferracani, R. S.** Obstrucción intestinal por ovillo Taenia saginata. *Rev. méd. quir. pat. fem., B. Air.*, 1941, 18: 317-9.—**Fèvre, M.** Les occlusions intestinales d'origine vermineuse. *Presse méd.*, 1938, 46: 1509-11.—**Giardina, S. G.** Sull'opportunità di asportare l'appendice negli interventi per occlusione intestinale

acuta da ascaridi. Policlinico, 1926, 33: sez. prat., 861-3.—**Goldberger, A.** Bericht über einen Fall von Ileus verminosus. Med. Klin., Berl., 1926, 22: 1301.—**Herszky, P.** Bandwurm-Ileus. Deut. med. Wschr., 1927, 53: 144.—**Ho-Dac-Di & Huynh-Tien-Doi.** A propos d'un cas d'occlusion intestinale causée par 1000 ascars dont 700 ont été retirés par entérotomie suivie de guérison. Presse méd., 1935, 43: 629.—**Krapivin, V. V.** [Ileus caused by intestinal parasites] Vrach. gaz., 1926, 30: 467.—**Lenarduzzi, G.** L'indagine radiologica nelle occlusioni intestinali da ascaridi. Arch. ital. chir., 1938, 52: 645-7.—**Marcus, I., Botez, M., & Enescu, A.** [Case of intestinal obstruction caused by ascarides] Spitalul, 1929, 49: 246.—**Pernet, A.** Occlusions intestinales por Ascaris lumbricoides. Hora med., Rio, 1941, No. 38, 33; No. 42, 59; passim.—**Rocjkind, I. M.** [Intestinal obstruction caused by tapeworm] Vest. khir., 1938, 56: 570-9.—**Rosanov, M. N., & Neichepae, S. K.** [Intestinal obstruction due to ascarides] Sovet. khir., 1933, 4: 72-7.—**Sargent, W. S.** Acute intestinal obstruction due to roundworms. U. S. Nav. M. Bull., 1937, 35: 482-4.—**Spitzer, W.** Ueber Bandwurmeileus mit sekundärem Darmwanddurchbruch. Zbl. Chir., 1931, 58: 1948-52.—**Stepčšin, M.** [Ileus verminosus] Lijet. vjes., 1940, 62: 204-7.—**Stokes, A. C.** Intestinal obstruction due to pin worms (Oxyuris vermicularis) with case reports. Nebraska M. J., 1929, 14: 83.

— volvular.

See Intestine, Volvulus.

— in animals.

BOUCHER, E. *De l'obstruction intestinale chez le cheval; son traitement par l'entéroclisme [Alfort] 63p. 8°. Par., 1926.

PANTALÉON, J. *Syndrome humoral et thérapeutique salée des occlusions intestinales [Vet.] 79p. 24½cm. Toulouse, 1935.

Frisch, F. Behandlung eines Falles von Darmobturation beim Pferde mittels Massendruckklyma unter Epiduralanästhesie. Wien. tierärztl. Mschr., 1929, 16: 879.—**Fuller, J. R.** Impactions in horses. North Am. Vet., 1933, 14: 28.—**Krupski, A., & Osterwalder, H.** Obturatio intestini infolge Futterkonkrement beim Pferd. Schweiz. Arch. Tierh., 1935, 77: 306-12.—**Margaison, T. J.** Calculi causing complete colonic obstruction in a mare. Vet. Rec., Lond., 1935, 15: 1345.—**Urban, A., & Nouvel, J.** Obstruction intestinale par corps étrangers observée chez une otarie, Otaria jubata L. Rev. path. comp., Par., 1939, 39: 815-7.

— in children.

GEORGI, M. *Ileus und Invagination im Kindesalter [München] 15p. 8°. Berl., 1928.

SIMMEN, R. [J.] *Ileus im Kindesalter, mit besonderer Berücksichtigung der nicht entzündlichen Formen. 48p. 8°. Zür., 1936.

Anissimova, M. N., & Manheim, A. E. [Intestinal obstruction in children] Sovet. khir., 1933, 4: 159-71.—**Bindschedler, J. J., & Tassovatz, B.** De l'occlusion intestinale chez le nourrisson. Rev. fr. pédiat., 1931, 7: 44-63.—**Hipsley, P. L.** Acute intestinal obstruction in infancy and childhood. Med. J. Australia, 1930, 1: 449-53.—**Hudson, R. V.** A case of intestinal obstruction and recovery, following an emergency laparotomy in an infant of 6 months of age. Middlesex Hosp. J., 1925-26, 26: 73-6.—**Kerley, C. G.** Intestinal stasis in infants and children. J. Am. M. Ass., 1932, 99: 1062.—**MacLennan, A.** Acute intestinal obstruction in infancy and childhood; congenital abnormalities; acquired causes; treatment. Brit. M. J., 1927, 2: 818-22.—**Masson, Dubé & Letondal.** Contribution à l'étiologie de l'occlusion intestinale aiguë dans la première enfance. Union méd. Canada, 1926, 55: 76-8.—**Minkin, S. L.** [Intestinal obstruction in children] Pediatrics, Moskva, 1937, No. 7, 77-84.—**Norris, W. J.** Intestinal obstruction in children; report of 100 cases treated at the Children's Hospital in Los Angeles. West. J. Surg., 1938, 46: 249-58.—**Perrot, A., & Danon, L.** Obstruction intestinale de cause rare, chez un nourrisson. Ann. anat. path., Par., 1935, 12: 157-65.—**Schwartz, N. V.** [Acute intestinal obstruction in children] Vest. khir., 1938, 56: 619-26.—**Spek, J. van der** [Extraordinary case of ileus in an infant]. Ned. tschr. geneesk., 1936, 80: 3468.—**Titte, G. A.** Intestinal obstruction in an infant; unusual type, result of congenital abnormality in colon fixation; case report. Dallas M. J., 1926, 12: 91.—**Ucha, J. M.** Obstrucción intestinal en un recién nacido. An. Soc. puericult. B. Aires, 1941, 7: 332.—**Voznesensky, V. P.** [Acute intestinal obstruction in children] Nov. khir. arkh., 1938, 43: 227-46.

ILEX.

LAYGUE, E. *Une renaissance en thérapeutique: Le houx, Ilex aquifolium. 42p. 24½cm. Toulouse, 1937.

Waud, R. A. Action of Ilex opaca on the heart. Proc. Soc. Exp. Biol., N. Y., 1931, 29: 977. — Further studies on extracts made from holly. Ibid., 1932, 30: 393-6.

— paraguayensis [Yerba mate]

ANASTAY, E. Le maté au point de vue agricole, médicale, hygiénique, militaire et commercial avec ses modes de préparation. 64p. 12°. Cavaillon, 1916.

PAN AMERICAN SANITARY BUREAU. Mate (Paraguay tea) 8p. 25cm. Wash., 1939.

SPARN, E. Bibliografía de la yerba mate (Ilex paraguayensis St Hil.) 21p. 8°. Córdoba, 1937.

Gomensoro, J. Los peligros del mate en común. Bol. sal. páb., Montev., 1941, 2. época, 1: No. 2, 168-71.—**Joyce, T. A.** The use and origin of yerba mate. Man, Lond., 1934, 34: 161. Also Nature, Lond., 1934, 134: 760-2.—**Maté (A) fakery.** J. Am. M. Ass., 1939, 113: 1752.—**[Maté or Paraguay tea]** Ny pharm. tid., Kbh., 1878, 10: 313-6.—**Origin and use of yerba mate.** Nature, Lond., 1934, 134: 370.—**Schunck de Goldniem, J.** Le maté. J. méd. Paris, 1937, 57: 125.—**Torres, I.** El mate de leche sólido como alimento en campaña. Prensa méd. argent., 1934, 21: 1877-82.

— paraguayensis: Analysis.

Escudero, A., Sagastume, M. [et al.] Sobre la presencia de ácido ascórbico (Vitamina C) en la yerba mate (Ilex paraguayensis) Sem. méd., B. Air., 1936, 43: pt 2, 1868-71.—**Escudero, P., Escudero, A., & Herreaz, M. L.** Demostración biológica del contenido de vitamina C de la yerba mate. Ibid., 1941, 48: pt 1, 1409-19.—**Gatti, C., & Knalinsky, A.** La vitamina C en la yerba mate. Arch. urug. med., 1938, 12: 263-7. Also Dia méd., B. Air., 1938, 10: 217-9.—**Hauschild, W.** Untersuchung über die Bestandteile des Mate. Mitt. Lebensmitteluntersuch., 1935, 26: 329-50.—**Krauss, F., Kleucker, E., & Kollath, A.** Ueber den Coffeingehalt des Mate. Zschr. Medbeamte, 1933, 46: 348-51.—**Krausz, S.** Beitrag zur Untersuchung von Mate. Mitt. Lebensmitteluntersuch., Bern, 1932, 23: 218.—**Mendive, J. R.** Aislamiento de α -amirina y de ácido ursólico de la yerba mate. Rev. Inst. bact. Dep. nac. hig., B. Air., 1939, 9: 190-6. — The occurrence of α -amyrin and ursolic acid in the leaves of Ilex paraguayensis. J. Org. Chem., 1940, 5: 235-7.—**Otero, M. J.** Las vitaminas en la yerba mate. Arch. Soc. biol. Montevideo, 1930-32, Suppl., 1026-41.—**Pigeaux, Sur** le maté. J. chim. mécl., Par., 1865, 5. sér., 1: 356.—**Ponce, E. A., & Viggiano, J.** Investigación de folíolos de sen en la yerba mate. Rev. med., B. Air., 1940, 2: 876.—**Sánchez, J. A.** Nuevas investigaciones sobre la composición química de la yerba mate y en particular acerca de la elevada proporción de esteroides contenidos en sus hojas. Sem. méd., B. Air., 1942, 49: 726-30.—**Villela, G. G.** Dosagem da vitamina B₁ na herba mate. Acta med., Rio, 1939, 3: 77-87. — Estudos sobre a determinação da vitamina B₁, aneurina, tiamina, na herba mate. Mem. Inst. Oswaldo Cruz, 1939, 34: 237-60, 3 pl.—**Woodard, W. A., & Cowland, A. N.** The question of tannin in maté. Analyst, Lond., 1935, 60: 135-46.

— paraguayensis: Pharmacology.

Apolo, E. La intoxicación mateína como factor de acufenos. An. otorinol. Uruguay, 1938, 8: 157-63.—**Diaz, C. A.** Le maté au point de vue médical; gastrite produite par le maté. Arch. mal. app. digest., Par., 1927, 17: 443-54.—**Errecart, P. L.** Influencia de la yerba mate sobre el poder auditivo. Rev. san. mil., B. Air., 1941, 40: 124-6.—**Marolda, C. I.** Acción de la yerba mate sobre el quimismo gástrico. Rev. As. méd. argent., 1935, 49: 107-18. — Acción de la yerba mate sobre el intestino. Ibid., 1936, 50: 1563-7. — Contribución al estudio de la acción de la yerba mate sobre el quimismo gástrico. Ibid., 1934, 48: 1484-93.—**Mendez, J. D., Del Carril, M. M., & Lenci, P. R.** Anafylaxia digestiva por yerba mate. Ibid., 1933, 47: 2868-70.—**Moisset de Espanes, E.** Acción del mate cocido sobre la frecuencia cardíaca y la presión sanguínea arterial del hombre. Rev. Soc. argent. biol., 1940, 16: 747-54.—**Odoriz, J. B.** Yerba mate y electroencefalograma. Prensa méd. argent., 1942, 29: 922. Also Sem. méd., B. Air., 1942, 49: 1064.—**Orgaz, J.** Contribución al conocimiento médico del mate. Ibid., 1935, 42: pt 1, 406-8; 1362. — El mate cocido como desayuno de prueba para el estudio de la secreción ácida del estómago. Ibid., 1932, 39: pt 2, 88-99. — **Velo de Ipola, R., & Fernández Bua, R.** Ácido real y métodos clásicos en jugo gástrico, en ayunas, después de la comida de Ewald-Boas, del alcohol y del mate cocido. Ibid., 1933, 40: pt 1, 547-58.—**Otero, M. J.** Acción de las infusiones de yerba mate sobre el quimismo del músculo y del hígado, en animales en reposo y después de ejercicio. Ann. Inst. clin. med., B. Air., 1935, 16: 584-614.—**Roffo, A. H.** Acción cancerígena de la yerba mate. Bol. Inst. med. exp. cáncer, B. Air., 1941, 18: 842. — Alquitrán cancerígeno de yerba mate. Ibid., 5-21, 17 pl. Also Rev. med., Rosario, 1941, 15: No. 3, 1-32.—**Schlager, C. R.** In welcher Weise wirkt Mate auf die verschiedenen Arten der Nierensteinträger? Zschr. ärztl. Fortbild., 1933, 30: 708.—**Schlodtmann, F.** Mate. Med. Welt, 1928, 2: 1153-6.—**Soler, F. L.** Plan de trabajo para estudiar los efectos del mate. Prensa méd. argent., 1937, 24: 1341-4. Also Rev. As. méd. argent., 1937, 51: 701.—**Termino** médico de cotización de la yerba mate canchada. Inform. argent., 1939, No. 31, 49.

ILG, Felix, 1911— *Untersuchung über die Synovia [Freiburg] 32p. 21cm. Zeulenroda, B. Sporn, 1936.

ILG, Frances Lillian, 1902— See Gessel, A. L., & Ilg, F. L. Feeding behavior of infants. 201p. 8^o Phila. [1937]

ILG, Herbert [Siegfried] 1908— *Die Ursache der periodischen Tätigkeit des Atemzentrums [München] 21p. 8^o Würzb., R. Mayr, 1934.

ILGEN, [Arthur Heinrich] Hans Helmuth, 1901— *Beitrag zur malignen Geschwulstbildung im Felsenbeingebiet. 18p. 8^o Königsb., J. Raabe, 1926.

ILGENFRITZ, Hugh Calvin, 1911— & **PENICK, Rawley Martin.** Synopsis of the preparation and aftercare of surgical patients. 532p. illust. diagr. 20cm. S. Louis, C. V. Mosby co., 1941.

ILHAN, Farouk, 1902— *Ueber den Einfluss der Bestrahlungen mit künstlicher Höhenstrahlung auf das leukozytäre Blutbild bei Kindern [Giessen] p.270-5. 8^o Stuttg., F. Enke, 1928.

Also Arch. Kinderh., 1928, 83:

ILIAC artery.

See also Aorta, Branches; Femoral canal.

Alcala Santaella. Anatomía esquemática de los vasos ilíacos y su disposición más frecuente que debe conocer el cirujano. Med. ibera, 1929, 24: pt 1, 29-36.—**Levi, G.** Morfologia delle arterie ilíache. Arch. ital. anat., 1902, 1: 120; 2 pl.; passim. — **Osservazioni sulle variazioni delle arterie ilíache.** Monit. zool. ital., 1901, 12: 332-41.—**Pinney, E.** An abnormal relation of the iliac artery to the sciatic plexus in the frog. Anat. Rec., 1924, 28: 391.—**Sophian, A.** Dissecting arteritis of the ileacs. Jackson Co. M. J., 1934, 28: No. 47, 10.

— Aneurysm.

Atlas, L. N. A complicated case of aneurysm involving the iliac and femoral arteries. Ann. Surg., 1942, 116: 708-12.—**Billings, F. T.** Aneurism of the iliac artery. Pennsylvania M. J., 1922-23, 26: 256.—**Ceballos & Gismondi.** Aneurisma arterial del grupo ilíaco. Sem. méd., B. Air, 1927, 34: 107.—**Doolin, W.** Spontaneous rupture of an iliac aneurysm. Irish J. M. Sc., 1932, ser. 6, 84: 712-4. Also Med. Press & Circ., Lond., 1933, 135: 73.—**Lévy-Valensi & Delvalle.** Névralgie sciatique par compression anévrysmales; rupture de l'anévrysme; mort. Sem. hôp. Paris, 1927, 3: 115.—**Tédénat & Vinon.** Anévrysme inguinal; extirpation, guérison. Montpellier méd., 1921, 43: 493.—**Yater, W. M., & Sugar, S. J.** Spontaneous rupture of an aneurysm of the iliac artery successfully treated surgically. Med. Ann. District of Columbia, 1940, 9: 237-40.

— common.

Ferrari, F. Rupture spontanée d'une artère iliaque primitive athéromateuse. Bull. Soc. nat. chir., Par., 1929, 55: 161-4.—**Kobelt, H.** Ein Fall von Verdoppelung der Arteriae ilíacae communes und des untersten Teiles der Aorta abdominalis. Schweiz. med. Wschr., 1922, 52: 252-4.—**Lotzman, L. A.** [Characteristics of pathological changes in arteries (a. ilíaca communis et a. femoralis)] Arkh. biol. nauk, 1925, 25: 89-92.—**Maurer & Portes.** Note sur l'anatomie des artères ilíacques primitives. Bull. Soc. anat. Paris, 1920, 80: 36-40.—**Vonwiller, P.** Eine seltene Varietät der Arteria ilíaca communis sinistra. Anat. Anz., 1917-18, 1: 155-8, pl.

— common: Aneurysm.

Philippe, G. *Rupture d'un anévrysme de l'artère iliaque primitive. 46p. 8^o Par., 1930.
Weiss, H. *Ein Fall von Aneurysma der Arteria ilíaca communis. 31p. 8^o Heidelb., 1928.

Barber, W. H. Simultaneous separate aneurysm of the common iliac arteries. Ann. Surg., 1926, 84: 776-8.—**Bérard, L., & Dargent, M.** Rupture d'anévrysme de l'iliaque primitive gauche. Lyon chir., 1937, 34: 619-22.—**Brewer, K. A.** Dissecting aneurysm of the left common iliac artery; report of a case. J. Oklahoma M. Ass. 1941, 34: 465.—**Burkitt, D. P.** Saccular aneurysm of left common iliac artery. Brit. M. J., 1938, 1: 1051.—**Di Poggio, E.** Contributo allo studio della sifilide delle arterie; aneurisma sifilitico dell'arteria ilíaca primitiva e della femorale. Riv. med., 1921, 29: 49-53.—**Donhauser, J. L.** Shock and upper abdominal pain as presenting symptoms of ruptured common iliac aneurysm. Albany M. Ann., 1937-38, 56: 143-6.—**Eloesser, L.** Aneurysm of the

common iliac artery; gradual occlusion by ligation with a free graft of muscle. Surg. Clin. N. America, 1923, 3: 681-97.—**Erganian, J., & Albert, B.** Bilateral aneurysms of the common iliac arteries. J. Missouri M. Ass., 1939, 36: 337-9.—**Gage, M.** Mycotic aneurysm of the common iliac artery. Am. J. Surg., 1934, n. ser., 26: 667-710. — **Mycotic aneurysm of the common iliac artery; sympathetic ganglion block as an aid in the development of the collateral circulation in arterial aneurysm of peripheral arteries; report of a case.** Tr. South. Surg. Ass., 1934, 46: 473-516.—**Hennig, O.** Eine aussergewöhnliche Aneurysmbildung der Iliaca communis, welche 7 Jahre nach der Verletzung in Erscheinung tritt. Arch. klin. Chir., 1932, 171: 175-80.—**Horne, J. N.** Aneurysm of the common iliac artery. Brit. M. J., 1938, 2: 660.—**Joachim, H., & Goldzieher, M. A.** Bilateral aneurysms of the common iliac arteries. Am. J. M. Sc., 1929, 177: 849-52. Also Med. Press & Circ., Lond., 1929, n. ser., 128: 53-5.—**LaRoque, G. P.** Ligation of the abdominal aorta for aneurysm of the common iliac artery. Ann. Surg., 1931, 93: 819-27.—**Las Casas, H. de.** Sobre un caso de aneurisma de la ilíaca primitiva. Bol. hosp., Caracas, 1924-25, 2. ser., 17: 180-2.—**Leech, J. W.** Ruptured dissecting aneurysm of the common iliac artery. In Durham Mus. Catal., 1928, 120.—**Leriche, R., & Frieh, P.** Aortographie dans un anévrysme oblitéré aortico-iliaque; essai de résection artérielle. Lyon chir., 1935, 32: 59-61.—**Longo, E.** Aneurysma der Arteria ilíaca communis sinistra. Wien. klin. Wschr., 1933, 46: 1168-71.—**Matas, R.** Preliminary report of a ligation of the abdominal aorta above the bifurcation for an acute, ruptured, syphilitic aneurysm involving the origin of both common ilíacs (survival of the patient 1 year, 5 months and 9 days after the ligation). Tr. Am. Surg. Ass., 1924, 42: 603-15 [Discussion] 671-9.—**Maurel.** Anévrysme de l'artère iliaque primitive gauche. Loire méd., 1921, 35: 321-5.—**Ruiz, F. R., & Minnhaar, T. C.** Aneurisma de un vas aberrans de la ilíaca primitiva derecha. Rev. med., Rosario, 1927, 2: 1-15. Also Rev. Soc. argent. biol., 1927, 3: 148-62.—**Superbi, C.** Di un caso di aneurisma dell'arteria ilíaca primitiva complicante un fibroma uterino. Riv. ital. gin., 1924-25, 3: 219-34.—**Taylor, W. N., & Reinhart, H. L.** Mycotic aneurism of common iliac artery with rupture into right ureter; report of a case. J. Urol., Balt., 1939, 42: 21-6.—**Vielle, J. R.** A propos d'un anévrysme de guerre de l'artère iliaque primitive gauche. Arch. méd. pharm. mil., 1935, 102: 121-41.—**Whiteside, W. C.** A leaking non-specific aneurysm of the common iliac artery, with effective treatment by wiring. Brit. J. Surg., 1938-39, 26: 624-9.—**Zeno, A., & Sgroso, J.** Aneurisma arterial de la ilíaca primitiva derecha; operación de Matas; curación. Congr. argent. cir., 1930, 632-8.—**Zimmermann, I. J., & Butterfield, C. E.** Ruptured aneurysm of the left common iliac artery simulating perinephritic abscess. N. England J. M., 1938, 218: 387.

— common: Embolism [incl. thrombangitis]

Constant, A., & Huidobro, H. G. Embolia de la arteria ilíaca derecha en su punto de origen por una vesícula hidatídica; arteriotomía. Bol. Soc. cir. Chile, 1927, 5: 293-8.—**Crowe, G. G.** Complete blockage of the pulmonary blood-supply occurring during common iliac embolectomy. Brit. J. Surg., 1941-42, 29: 441.—**Fontanesi, E.** Trombosi bilaterale delle arterie ilíache primitive in un malato di leitofiti; delle gangrene simmetriche, tentativo di interpretazione del loro meccanismo. Policlinico, 1938, 45: sez. chir., 249-66.—**Giorgi, S., & Alvarez, C.** Embolia de la arteria ilíaca primitiva derecha; arteriotomía, restablecimiento de la circulación. Rev. méd. Rosario, 1930, 20: 85-93.—**Langeron, L.** Embolia dell'arteria ilíaca primitiva. Gazz. osp., 1931, 52: 1068-70. — **Oblitération embolique de l'artère iliaque primitive.** Presse méd., 1931, 39: 643.—**Lemierre, A., & Duruy, A.** Oblitération embolique de l'artère iliaque primitive droite sans gangrène du membre correspondant. Bull. Soc. méd. hôp. Paris, 1927, 3. ser., 51: 385-93.—**Lotsch, F.** Beobachtungen über die Ausbildung des Kollateralkreislaufs bei Embolie der Arteria ilíaca communis. Arch. klin. Chir., 1928, 153: 831.—**Lundblad, O.** Another case of embolus of the common iliac artery; operation. Acta chir. scand., 1925, 59: 68-70.—**Roux-Berger, Contiadès & Naulleau.** Embolies successives des deux artères ilíacques primitives localisées par l'aortographie et traitées par artériectomies; thrombose aortique; échec; mort. Bull. Soc. nat. chir., Par., 1934, 60: 284-94.—**Sherrill, J. G., Spurling, R. G., & McCarty, A. C.** Traumatism to abdominal aorta; embolism of both common ilíacs; embolotomy. Tr. South. Surg. Ass., 1928, 41: 48-55, 2 pl.—**Strandgaard, H.** [Embolism of both common iliac arteries; embolotomy, recovery] Hospitaltidende, 1926, 69: [Jyds. med. selsk. forh.] 61-4.

— common: Injury.

Bidone, R. Su di un caso raro di perforazione contemporanea del sigma e dell'arterio ilíaca comune da corpo estraneo. Gior. med. prat., 1936, 18: 154-60.—**Jean, G.** Ruptures traumatiques souscutanées directes des artères ilíacques primitives et externes. J. chir., Par., 1923, 21: 303-7.

— common: Ligation.

Estor, E. Ligation de l'artère iliaque primitive comme premier temps de la désarticulation de la hanche pour volumineux sarcome de la cuisse. Bull. Soc. nat. chir., Par., 1926, 52: 540-2.—**Thompson, J. E.** Ligation of the common iliac artery, Texas J. M., 1925-26, 21: 15-22. Also Tr. Am. Surg. Ass., 1924, 42: 393-413.

Embolism [incl. thrombngitis]

De Souza, D. H. Recovery after amputation of both legs on account of embolism of the iliac vessels in a case of mitral stenosis and auricular fibrillation. *Proc. R. Soc. M., Lond.*, 1934-35, 28: 1186.—Fiole, J. Extraction d'une embolie iliaque par artériotomie fémorale; amélioration passagère; mort au trentième jour. *Bull. Soc. nat. chir., Par.*, 1925, 51: 614-6.—Grafia, G. Une particularité anatomique des artères iliaques, créant pour ces vaisseaux un lieu d'élection de thrombose chez le cheval. *Vol. jubil. Soc. sc. méd. natur. Bruxelles*, 1922, 643-8, 2 pl.—Lund, C. C. Iliac embolism with acute cardiac decompensation. *Tr. N. England Surg. Soc.*, 1931, 13: 262-76.—Moutaux. Contribution à l'étude de la thrombose des artères iliaques chez le cheval. *Rec. méd. vét.*, 1937, 113: 144-8.—Perman, E. A case of embolotomy. *Acta chir. scand.*, 1923-24, 56: 555-8.—Udriski, G. Thrombose der Arteriae iliacae beim Pferd. *Wien. tierärztl. Mschr.*, 1938, 25: 458-69.

external.

See also Epigastric artery; Femoral artery.

BELLE, J. *L'artère iliaque externe et ses variations de rapport. 34p. 8° Par., 1924.

Hedinger, E. Keloidähnliche Verdickungen der Intima der A. iliac externa und femoralis. *Deut. med. Wschr.*, 1916, 42: 1088.—Le Roy des Barres. Artérite oblitérante de l'artère iliaque externe droite avec gangrène du membre inférieur; traitement par la radiothérapie profonde des capsules surrénales; amélioration considérable permettant une amputation de cuisse au tiers inférieur dans de bonnes conditions. *Bull. Acad. méd., Par.*, 1932, 3. ser., 107: 594-7.

external: Aneurysm.

Barber, R. F. Ilio-femoral aneurism. *Long Island M. J.*, 1920, 14: 267.—Barros Lima. Aneurysma da ilíaca externa curado por ligadura trans-peritonial. *Brasil med.*, 1927, 41: pt 1, 916-9.—Brooks, B. Aneurysm of the external iliac and femoral artery. *Surg. Clin. N. America*, 1922, 2: 1657-67.—Buscaroli, E. Aneurysma arterio-venoso traumatico dell'iliaca esterna. *Arch. Soc. ital. chir.* (1917) 1920, 25: 150-3.—Delore, X. Anévrysmes artério-veineux des vaisseaux iliaques externes; extirpation de la tumeur. *Lyon méd.*, 1918, 127: 182.—Díaz y Gómez, E. Un caso de aneurisma de la arteria ilíaca externa y femoral, tratado por el método de Matas. *Arch. card. hemat., Madr.*, 1920, 1: 119-21.—Ellis, A. G. Aneurysm of the external iliac artery with rupture and fatal hemorrhage. *Proc. Path. Soc. Philadelphia*, 1918, n. ser., 21: 37.—Hamman, L., & Rienhoff, W. F., jr. Subacute streptococcus viridans septicemia, cured by excision of an arteriovenous aneurysm of the external iliac artery and vein. *Bull. Johns Hopkins Hosp.*, 1935, 57: 219-34.—Lamas, A. Anévrysme ilio-fémoral; opération de Matas; artérioradiographie avant et après l'opération. *Lyon chir.*, 1939, 36: 168-71.—Leriche, R. Asystolie consécutive à l'évolution d'un anévrysme artérioso-veineux iliaque externe; extirpation de l'anévrysme; guérison de l'asystolie. *Ibid.*, 1919, 16: 427-37.—Meschede, H. Aneurysma arteriovenosum der Vasa ilíaca externa nach Appendectomie. *Deut. Zschr. Chir.*, 1929, 215: 130-3.—Rienhoff, W. F., jr., & Hamman, L. Subacute streptococcus viridans septicemia cured by the excision of an arteriovenous aneurysm of the external iliac artery and vein. *Ann. Surg.*, 1935, 102: 905-15. Also *Tr. Am. Surg. Ass.*, 1935, 53: 417-27.—Rizzo, R. Sopra un caso di aneurisma traumatico dell'iliaca esterna. *Políclinico*, 1924, 31: sez. prat., 776-81.—Rovsing, T. [A case of arteriovenous aneurysm of external iliac treated by the method of Antyllus] *Hospitaltidende*, 1925, 68: 3-11.—Sattler, E. Nach Schussverletzung aufgetretenes Aneurysma der Arteria ilíaca externa. *Deut. Zschr. Chir.*, 1927, 202: 283.—Thompson, J. E. Aneurysms of the iliac and femoral arteries. *Ann. Surg.*, 1924, 79: 884-906. Also *Med. Rec.*, Houston, 1925, 19: 435; 464. Also *Tr. South. Surg. Ass.* (1923) 1924, 36: 595-622, 4 pl.—Venturi, A. Aneurisma arteriovenoso dell'iliaca esterna. *Políclinico*, 1919, 26: sez. prat., 1297-9.—Villandre, C. Anévrysme traumatique de l'artère iliaque externe; anévrysme traumatique de l'artère axillaire; hématome diffus traumatique de l'artère et de la veine axillaire. *Paris chir.*, 1918, 10: 111-9.—Vilcheisse. Anévrysme de l'artère iliaque externe à évolution rapide; extirpation du sac après ligature haute de l'artère; résultats fonctionnels tardifs. *Bull. Soc. nat. chir., Par.*, 1927, 53: 708-12.

external: Embolism [incl. thrombngitis]

Bergeret & Galvez. Oblitérations de l'artère iliaque externe. *Bull. Soc. anat. Paris*, 1919, 89: 422-4.—Ceconi, M. Un caso di embolotomia dell'arteria ilíaca externa di sinistra. *Boll. Poliamb. Giuseppe Ronzoni*, 1936, 10: 155-60.—Dahl-Iversen, E. [Paradoxical embolism of left external iliac artery; embolotomy] *Hospitaltidende*, 1929, 72: 651-7. Also *Lyon chir.*, 1930, 27: 38-42.—Engel, G. C. Thrombosis of the left external iliac artery secondary to a left ovarian cyst. *J. Am. M. Ass.*, 1932, 99: 1343.—Marshall, W. H., & Vary, E. P. Embolotomy of the external iliac artery; case report. *J. Michigan M. Soc.*, 1942, 41: 856-8.—Olovson. Zwei Fälle von arterieller Obliteration von Art. ilíaca externa und Arteria femoralis. *Nord. med.*, 1939, 4: 3407.

external: Injury.

Bell, L. M., & Miller, J. A. Traumatic rupture of the external iliac artery; case report with discussion of some useful procedures in the management of vascular injuries. *Virginia M. Month.*, 1942, 69: 623-7.—Cavina, G. Ferita d'arma da fuoco dell'arteria ilíaca esterna; sutura; guarigione. *In Scritti med. in onore di A. Poggi*, Bologna, 1915, 219-27.—Davidson, C. F. Punctured wound of the external iliac artery with successful tying of the vessel. *J. Am. M. Ass.*, 1919, 73: 269.—Dick, A. Stichverletzung der Art. ilíaca externa und des Dünndarmes. *Verh. ungar. ärztl. Ges.*, 1933, 5: 70.—Dubs, J. Isolierte, subkutane Zerreissung der Art. ilíaca externa sinistra nach stumpfer Gewalteinwirkung. *Münch. med. Wschr.*, 1921, 68: 614.—La Roque, G. P. Ligation of the external iliac artery and vein above and below a communicating bullet wound of these 2 vessels. *Ann. Surg.*, 1921, 73: 265-84, pl. Also *Tr. South. Surg. Ass.* (1920) 1921, 33: 420-56, pl.—Manoukjan, R. S. Wounds of the external iliac artery. *Surg. Gyn. Obst.*, 1942, 75: Suppl., 81 (Abstr.)—Pinker, H. G. Traumatic rupture, complete, of external iliac artery; amputation; recovery. *Brit. M. J.*, 1938, 2: 219.

external: Ligation.

Olovson, T. *Beitrag zur Kenntniss der Verbindungen zwischen A. ilíaca interna und A. femoralis beim Menschen; nebst tierexperimentellen Studien über die Morphologie des Kollateralkreislaufs nach Unterbindung der A. ilíaca externa und A. femoralis. 216p. 24cm. Stockh., 1941.

Barbier, Guilleminet & Pouzet. Ligature de l'iliacque externe à sa termination, rétablissement d'une circulation à courant continu. *Lyon méd.*, 1927, 139: 236-9.—Floyd, W. O. Ligation of the external iliac artery for arteriovenous aneurism. *J. Tennessee M. Ass.*, 1924-25, 17: 159-61.—Leriche, R., & Policard, A. Physiologie pathologique du rétablissement circulatoire après ligature haute de l'iliacque externe et mécanisme de l'adaptation fonctionnelle des artères du type élastique après ligature. *Lyon chir.*, 1921, 18: 356-60.—Rutherford, R. Ligation of external iliac artery and vein in a man aged 67. *Brit. M. J.*, 1934, 2: 553.—Scigliani, P. Legatura della ilíaca esterna felicemente eseguita dal professor Petrunti. *Filiatre sebezio*, Nap., 1839, 17: 73-7.—Sogliano, S. Intorno ad un aneurisma alla piega dell'inguine, guarito mercé la legatura dell'arteria ilíaca esterna. *Ann. clin. Osp. incurab.*, Nap., 1839, 5: 50-5.—Vallée & Le Grand, J. Un cas de suture circulaire de l'artère iliaque externe. *Normandie méd.*, 1923, 34: 189-91.

internal.

See Hypogastric artery.

ILIAC fossa.

See also Groin; Hip-bone; Hypogastrium; Iliopsoas; Ilium; Pelvis.

Barlaro, P. M. Semiologia de la fosa ilíaca derecha. *Rev. méd. lat. amer.*, B. Air., 1928-29, 14: 715-40.—Casares, P. C. La enfermedad de la fosa ilíaca derecha. *Rev. méd. Yucatán*, 1933-35, 18: 77-85.—Grevillius, A. [Inflammatory processes in the left iliac fossa] *Nord. med.*, 1939, 1: 529-31.—Husson & Dance. Mémoire sur quelques engorgements inflammatoires que se développent dans la fosse iliaque droite. *Month. J. Foreign Med.*, 1828, 1: 177-82.—Molina, L. Patología quirúrgica de la fosa ilíaca derecha. *Crón. méd. mex.*, 1931, 30: 210-6.—Muñoz, C. R. Radiodiagnóstico en las afecciones de fosa ilíaca y flanco derecho. *Rev. méd. Rosario*, 1932, 22: 506.—Roux, C. Dans la fosse iliaque; et à propos de tumeurs, ulcères, rétrécissements. *Rev. méd. Suisse rom.*, 1934, 54: 164-201.

Abscess.

See also Iliopsoas.

SILVA FREIRE, J. X. DA. *Abscessos da fossa ilíaca interna. 79p. 12° Lisb., 1874.

Boeke, H. E. [Rupture of iliac abscess into the urinary bladder] *Geneesk. tscr. Ned. Indië*, 1940, 80: 564-6.—São Tiago, P. de. O decúbito látero-ventral na drenagem de certos abscessos da fossa ilíaca. *Rev. méd. mun.*, Rio, 1941, 1: 373-9.—Sen Gupta, S. B., & Ali, M. Prontosil album in iliac abscess. *Ind. M. Gas.*, 1939, 74: 480.

Pain.

GOUDOT, A. *L'ilíacalgie droite. 60p. 8° Par., 1937.

Desmarest. Quelques remarques sur les douleurs de la fosse iliaque droite. *Arch. mal. app. digest.*, Par., 1939-40, 29: 1005-10.—Fraser, J. Pain in the iliac fossa. *Med. Press & Circ.*, Lond., 1937, 194: 450-5.—Heusser, H., Sarasin, R., & Sägger, M. Les syndromes douloureux chroniques de la

fosse iliaque droite: rapports. *Praxis*, Bern, 1942, 31: 475-7.—**Lavalle Argudin, R.** Breves consideraciones del dolor en la fosa ilíaca derecha. *Rev. méd. veracruz.*, 1941, 21: 3517-20.—**Left iliac pain in women.** *Brit. M. J.*, 1937, 1: 352.—**McGregor, A. L.** Pain in the right iliac fossa. *S. Afr. M. J.*, 1935, 9: 148-50.—**Melocchi, W.** Le sindromi dolorose della fossa ilíaca destra. *Gior. clin. med.*, 1934, 15: 655-7.—**Muller, P.** Les syndromes douloureux chroniques de la fosse iliaque droite. *J. méd. Paris*, 1929, 48: 226.—**Prini, I.** Sindromes de la fosa ilíaca derecha. *Dia méd., B. Air.*, 1940, 12: 909-15.—**Ramond, L.** Syndrome douloureux de la fosse iliaque droite. *Presse méd.*, 1933, 41: 243.—**Votta, E. A.** Contribución al síndrome de la fosa ilíaca derecha. *Bol. Soc. obst. gin. B. Aires*, 1934, 13: 761-6.

Surgery.

See also Appendicitis, Surgery, etc.

Leriche, R. De l'hémostase dans les opérations pour anévrysme et hématome de la racine de la cuisse et de la fosse iliaque; de 2 procédés utiles à connaître pour opérer avec sécurité. *Presse méd.*, 1940, 48: 716.—**Mauclaire, P.** Balle entrée par le 3^e espace intercostal droit, et logée contre la face interne de l'épine sciatique; ablation par décollement sous-péritonéal de la fosse iliaque. *Bull. Soc. chir. Paris*, 1918, 44: 52.—**Molina, L.** El problema quirúrgico de la fosa ilíaca derecha en el año 1938. *Gac. peru. cir. med.*, 1938-39, 1: No. 8, 3-6. Also *Rev. méd. peru.*, 1938, 10: 469-79.—**Palma, E. C., Pietropinto & Ugón, R. A.** Contribución a la técnica del abordaje simultáneo de la fosa ilíaca derecha y la cavidad pélvica. *Arch. urug. med.*, 1942, 20: 54-76.

Tumor.

Anchelevich, V. D. [Errors in diagnosis of tumors and infectious granuloma in the right iliac fossa]. *Vest. khir.*, 1940, 60: 315-8.—**Bobbio, A.** Pseudomixoma della regione ilíaca destra. *Cancro, Tor.*, 1932, 3: 108-13.—**Courtin & Montalier.** Paralysie du membre inférieur gauche; tumeur de la fosse iliaque gauche; atrophie bilatérale des testicules. *J. méd. Bordeaux*, 1909, 39: 282.—**Desjardins, E.** Les tumeurs du flanc et de la fosse iliaque droite. *Union méd. Canada*, 1938, 67: 158-60.—**Muller.** Tumeur de la fosse iliaque gauche, de diagnostic difficile, appartenant au grand épiploon et au colon transverse; épiptolite chronique. *Loire méd.*, 1931, 45: 156-62.—**Patino Mayer, C., & Castorino, C.** Falso tumor maligno de fosa ilíaca derecha; tumor inflamatorio post-apendicular. *Rev. As. méd. argent.*, 1937, 52: 18-22.—**Ronneaux, G.** Fausse tumeur de la fosse iliaque droite. *Bull. Soc. radiol. méd. France*, 1933, 21: 548-52.

ILIAC lymph node.

See also Groin, Lymph nodes; Retroperitoneum.

Bailey, H. Suppurating deep iliac glands. *Practitioner*, Lond., 1930, 124: 223-30.—**Brown, A. E.** Ileocecal lymphadenitis in children. *Surg. Gyn. Obst.*, 1937, 65: 798-806.—**Coutts, W. E.** Acute inflammation of deep iliac lymph-nodes. *Ann. Surg.*, 1927, 86: 782-6.—**Frank, L.** Suppurative adenitis of the iliac lymph nodes of hemolytic streptococcal origin. *Ibid.*, 1937, 105: 975-81, ch. Also *Tr. South. Surg. Ass.*, 1936, 49: 369-75, ch.—**Irwin, F. G.** Acute iliac adenitis. *Arch. Surg.*, 1938, 36: 561-70.—**Love, R. J. McN.** Adenitis of the iliac glands. *Lancet*, Lond., 1930, 2: 135.—**Marshall, C. J.** Simple ileo-caecal lymphadenitis. *Brit. M. J.*, 1928, 1: 631.—**Porumbaru, M., Trocmaer, C., & Oorumbu, J.** Lymphdrüsenentzündung der Ileo-Coealgegend. *Zbl. Chir.*, 1938, 65: 1913-6.—**Rodino, D.** Contributo alla conoscenza degli adenoflemmoni della fossa ilíaca. *Riforma med.*, 1937, 53: 1063-6.

ILIAC muscle.

See under Iliopsoas.

ILIAC nerve.

See Buttock; Gluteal nerve; Gluteal region.

ILIAC region.

See Groin; Hypogastrium.

ILIAC spine.

See also Ilium.

Crawford, J. Fracture of the anterior iliac spine. *Brit. M. J.*, 1929, 1: 1077.—**Strauss, F.** Zur Kenntnis der Abbrüche des vorderen oberen und unteren Darmbeinstachels. *Arch. orthop. Unfallchir.*, 1932-33, 32: 478-85.—**Weitzner, I.** Fracture of the anterior superior spine of the ilium in one case, and anterior inferior in another case. *Am. J. Roentg.*, 1935, 33: 39.

anterior inferior.

Bachmann, W. Un cas d'arrachement bilatéral de l'épine iliaque ant. inf. *Schweiz. med. Wschr.*, 1941, 71: 721.—

Corlette, C. E. Fracture of the anterior inferior spine of the ilium. *Med. J. Australia*, 1927, 2: 682.—**Gallagher, J. R.** Fracture of the anterior inferior spine of the ilium: sprinter's fracture. *Ann. Surg.*, 1935, 102: 86-8.—**Hanke, H.** Zur Kenntnis der isolierten Abbrissfraktur der unteren Spina anterior ossis ilii. *Arch. orthop. Unfallchir.*, 1932, 31: 377-82.—**Janker, R.** Der Knochenkern der Spina ilíaca anterior inferior. *Deut. Zschr. Chir.*, 1933, 241: 477-9.—**Kanert, W.** Der Bruch des vorderen unteren Darmbeinstachels. *Chirurg*, 1937, 9: 724-6.—**Nusselt, H.** Abbrissfrakturen des vorderen unteren Darmbeinstachels. *Deut. Militärarzt*, 1940, 5: 436-8 (microfilm).—**Palugay, J.** Traumatisme Lösung einer Apophyse der Spina ilíaca anterior inferior. *Röntgenpraxis*, 1940, 12: 282-4 (microfilm).—**Pezcoller, A.** Le fratture della spina ilíaca anteriore inferiore. *Clin. chir. Milano*, 1931, 34: 249-54.—**Pürckhauer, R.** Abbrissbruch der Spina anterior inferior des Beckens. *Chirurg*, 1936, 8: 975-7.—**Rothbart, L.** Abbrissfraktur der Spina ilíaca ant. inf. *Zbl. Chir.*, 1932, 59: 781-3.—**Schoen, H.** Die röntgenographische Darstellung der Abbrissfraktur der Spina ilíaca anterior inferior. *Chirurg*, 1939, 11: 124.—**Wuthe, G.** Abbrissfraktur der Spina ilíaca anterior inferior. *Ibid.*, 10: 694.

anterior superior.

SCHLÖFFEL, W. [G.] *Abriß der Spina ilíaca anterior superior als Sportverletzung [Leipzig] 32p. 8°. Zeulenroda i. Thür., 1933.

Akin, O. F., & Carlson, E. Fracture (epiphyseal separation) of the anterior superior spine of the ilium produced by muscular violence. *Med. Sentinel*, 1927, 35: 431-3.—**Borusiewicz, F.** [Case of tearing off of the spina ilíaca anterior superior] *Chir. narz. ruchy*, 1936, 9: 173-6, pl.—**Carmody, J. T.** Epiphysitis of the anterior superior iliac spine. *Yale J. Biol.*, 1930-31, 3: 159-64, pl.—**Christopher, F.** Fracture of the anterior superior spine of the ilium. *J. Am. M. Ass.*, 1933, 100: 113.—**Cleaves, E. N.** Fracture or evulsion of the anterior superior spine of the ilium. *J. Bone Surg.*, 1938, 20: 490.—**Conwell, H. E., & Alldredge, R. H.** Fracture of anterior superior spine of ilium; a summary of the literature and report of a case. *Am. J. Surg.*, 1936, 33: 114-7, 2 pl.—**Dupas, J.** Apophyse de l'épine iliaque antéro-supérieure. *Bull. Soc. nat. chir. Par.*, 1935, 61: 1155-63.—**Ebert, K.** Ein Fall von Abriß der Spina ilíaca anterior superior. *Munch. med. Wschr.*, 1931, 78: 27.—**Hanke, H.** Die isolierte Abbrissfraktur der Spina ilíaca anterior superior als Skilaufverletzung. *Chirurg*, 1932, 4: 23-5.—**Heller, E. P.** Avulsion of the anterior superior iliac spine, with symptomless sacralization of the 5th lumbar vertebra. *J. Am. M. Ass.*, 1925, 84: 508.—**Kahnt, E.** Epiphysenabriß der Spina ilíaca anterior superior als Sportverletzung beim Schnellauf. *Zbl. Chir.*, 1930, 57: 2507-60.—**Kleinschmidt, H.** Zur Frage der Abbrissfrakturen der Spina ilíaca anterior superior. *Deut. med. Wschr.*, 1931, 57: 1895.—**Lohr.** Ueber den Epiphysenabriß der Spina ilíaca anterior superior, eine typische Sportverletzung beim Schnellauf. *Ibid.*, 1930, 56: 958.—**Losinsky, L. I.** [Symptom of walking backward in fracture of anterior superior iliac spine] *Ortop. travmat.*, 1931, 5: 70.—**Mooney, V.** Fracture of the anterior superior spine of the ilium. *J. Am. M. Ass.*, 1937, 109: 866.—**Padula, A.** Considerazioni cliniche sulla frattura da strappamento della spina ilíaca anteriore superiore. *Chir. org. movim.*, 1937-38, 23: 69-82.—**Passarge, E.** Ueber den Abbrissbruch der Spina ilíaca ant. sup. (iliaea ventralis) *Msehr. Unfallh.*, 1939, 46: 201-6.—**Pezcoller, A.** Le fratture della spina ilíaca anteriore superiore da strappo muscolare. *Osp. maggiore, Milano*, 1931, 19: 93-100.—**Robertson, R. C.** Fracture of the anterior superior spine of the ilium. *J. Bone Surg.*, 1935, 17: 1045-8.—**Roegholt, M. N.** [Epiphysolysis with epiphys-fracture of the anterior superior iliac spine] *Ned. mschr. geneesk.*, 1925, 13: 288-91.—**Rush, L. V., & Rush, H. L.** Avulsion of the anterior superior spine of the ilium; a case report. *J. Bone Surg.*, 1939, 21: 206.—**Siebner, M.** Der Epiphysenabriß der Spina ilíaca anterior superior als Sportverletzung. *Chirurg*, 1931, 3: 59-63.—**Sutherland, R., & Rowe, M. J., jr.** Avulsion of the antero-superior iliac spine associated with osteochondritis and hypothyroidism. *Am. J. Surg.*, 1942, 57: 381.—**Szentimihály, L.** [Cartilagineous tumor of the spina anterior superior of the left iliac bone]. *Orvosképzés*, 1935, 25: dec. különf. (T. Verebely Festschr.) 108.—**Wilenius, R.** [Rupture of the upper anterior iliac spine] *Duodecim, Helsin.*, 1937, 53: 133-39.

posterior.

Palugay, J. Vergleichende anatomische und röntgenologische Studien über die Spina ilíaca posterior inferior und den Sulcus paraglenoidalis (präauricularis) *Zschr. ges. Anat.*, 1. Abt., 1931, 94: 474-89.—**Riess, J.** Eine isolierte Fraktur der Spina ilíaca post. sup. *Arch. orthop. Unfallchir.*, 1932-33, 32: 70.

ILIAC vein.

See also Caval veins; Femoral vein.

Lundquist, D. T. The so-called common iliac vein of the rabbit. *Ann. Surg.*, 1942, 116: 952.—**Maurer & Portes.** Note sur l'anatomie des veines iliaques primitives. *Bull. Soc. anat. Paris*, 1920, 90: 54-8.

Disease.

Contiades, X. J. Phlébite postopératoire; résection précoce de la veine iliaque externe. P. verb. Congr. fr. chir., 1935, 44: 340-5.—**Kreuter, E.** Aneurysma venosum verum der Iliaca externa als Folge eines Aneurysma arterio-venosum der Femoralis. Zbl. Chir., 1919, 46: 977-80.—**Schilling, W.** Ueber Phlebosklerose, ihre Entstehungsweise und Ursachen; im Anhang über Bildungsanomalien in der Vena iliaca communis und externa. Virchows Arch., 1926, 262: 658-80.

Thrombosis, and thrombophlebitis.

Alves de Lima, J., & Novaes, L. Caso de thrombose da veia ilíaca externa. Ann. Fac. med. S. Paulo, 1930, 5: 367-70.—**Calandre, L.** Gran circulación colateral por obstrucción de vena ilíaca externa. An. Hosp. S. José, Madr., 1929-30, 1: 131-4.—Obstrucción trombótica de vena ilíaca. Ibid., 235-7.—**Chaton, M.** A propos d'un cas de thrombose de l'iliaque externe; le oedème de la région inguinale de l'abdomen, signe de thrombose latente de cette veine. Rev. gén. clin. théor., 1937, 51: 839.—**Exner, B.** Ueber eine Thrombose der Vena iliaca sinistra mit Ausbildung eines Kollateralkreislaufes in den Bauchdecken. Wien. med. Wschr., 1928, 78: 161.—**Nayrac, P.** Sur un cas anatomo-clinique d'obliteration bilatérale chronique des veines iliaques. Rev. méd., Par., 1929, 46: 239-51.—**Robertson, D. S.** Iliac thrombosis. Vet. Bull., Wash., 1927, 20: Suppl., 8-10.—**Taddei, D.** Di una tromboflebite iliaca esterna traumatica. Policlinico, 1926, 33: sez. prat. 477-81.

ILIEFF, Dimitri, 1903—*Ueber die Behandlung der Vaginalcarcinome. 22p. 8°. Münch. [F. Pinn] 1928.

ILIESCO, Pierre, 1905—*Contribution à l'étude de l'insuffisance surrénale aiguë; syndrome de Sergent-Bernard. 39p. 8°. Par., Ed. Véga, 1932.

ILIH, Lev Fedorovich, —1937.
For obituary see Farm. & toks., Moskva, 1939, 2: No. 2, 70, portr.

ILIOCOCYGEAL muscle.

See Anus; Coccyx.

ILIOCOSTAL muscle.

See also Sacrospinal muscle; also Back; Lumbar region; Neck.

Gutiérrez, A. Interpretación morfológica del músculo sacrolumbar. Rev. cir., B. Air., 1929, 8: 475-7.—**Kolesnikov, W.** Zur Morphologie des M. iliocostalis. Zschr. ges. Anat., 1. Abt., 1928, 88: 397-404.

ILIOFEMORAL musculature.

See Gluteus; Hip; Iliopsoas; Piriform muscle; Thigh.

ILIOHYPOGASTRIC nerve.

See under Lumbosacral plexus.

ILIO LUMBAR ligament.

See also Lumbar region.

Estève & Lafont. Calcification bi-latérale du ligament ilio-lombaire. J. radiol. électr., 1939, 23: 406-8.—**Jappert, S.** Verkalkungen und Verknöcherungen des Ligamentum ilio-lumbale und ihre unfallmedizinische Bedeutung. Helvet. med. acta, 1937, 4: 305; 407.—**Laffont, Viallet & Salasc.** Un cas d'ossification du ligament ilio-lombaire. Algérie méd., 1940, 4. ser., 44: 46. Also Bull. Soc. électroradiol. méd. France, 1939, 27: 290.

ILIO LUMBAR region.

See Lumbar region.

ILIOPECTINEAL bursa [incl. iliac bursa]

See also Hip-joint (Ligaments; Synovia) Iliopsoas.

Chandler, S. B. The iliopsoas bursa in man. Anat. Rec., 1934, 58: 235-40.—**Iliopectineal (The) bursa, a synovial Cinderella.** Med. Times, N. Y., 1939, 67: 401-3.—**Kessel, F.** Ueber die Bursa mucosa iliopectinea, ihre Entwicklung und ihre Kommunikation mit der Kapsel des Hüftgelenkes. Morph. Jahrb., 1927, 58: 413-30.

Cyst, and hygroma.

VASSELOT, P. A. *L'hygroma chronique simple de la bourse séreuse du psoas iliaque. 108p. 8°. Par., 1933.

Bergeret, A., Audouin, J., & Millot, J. L. Volumineux kyste hémorragique de la bourse du psoas. Ann. anat. path., Par., 1936, 13: 1015-8.—**Chastenot de Géry.** Un cas d'hygroma hémorragique de la bourse séreuse du psoas. Bull. Soc. nat. chir., Par., 1928, 54: 1466-72.—**Cozzi, N.** Igroma della psoas complicato ad accesso ossificante. Fol. med., Nap., 1929, 15: 1635-47.—**Gatch, W. D., & Green, W. T.** Cysts of the iliopsoas bursa. Ann. Surg., 1925, 82: 277-85.—**Sénèque, J.** Hygroma de la bourse séreuse du psoas. Mém. Acad. chir., Par., 1938, 64: 965.—**Sorrel, E.** Hygroma hémorragique de la bourse séreuse du psoas. Bull. Soc. nat. chir., Par., 1929, 55: 98-100.

Inflammation.

Finder, J. G. Iliopectineal bursitis. Proc. Inst. M. Chicago, 1936, 11: 194.—**Giuliani, G. M.** Contributo allo studio delle borsiti acute dell'ileo-psoas. Chir. org. movim., 1934, 20: 240-50.—**Kadyrov, I. G.** [Case of iliopectineal bursitis] Shorn. nauch. trud. Bashkir. gosud. med. inst., 1939, 2: 188-92.—**Menninger, W.** Ueber Entzündung der Bursa iliopectinea. Deut. Zschr. Chir., 1932, 237: 775-8.—**O'Connor, D. S.** Early recognition of iliopectineal bursitis. Surg. Gyn. Obst., 1933, 57: 674-84.—**Ramage, J. S., & Morton, G. B.** Two cases of iliopsoas bursitis. Brit. J. Surg., 1934, 21: No. 84, 705-8.—**Timmermann, H. W.** Ueber die Bursitis iliopectinea. Med. Klin., Berl., 1933, 29: 1172.—**Vohnout, C.** Eiterige Entzündungen in der Bursa subiliaca bei Streptokokkensepsis. Arch. klin. Chir., Berl., 1931, 168: 209-13.

ILIOPECTINEAL ligament [and fascia]

See also Groin, Inguinal canal; Hip-joint, Ligaments.

BÖTTNER, H. *Das Ligamentum iliopectineum; ein Beitrag zur Frage nach der Notwendigkeit und dem Sinn eindeutiger anatomischer Nomenclatur. 23p. 8°. Marb., 1935.

ILIOPSOAS.

See also Hip; Iliac fossa; Iliopectineal bursa; Thigh.

Bársony, T., & Winkler, K. Zur Röntgenologie der Muskelschatten; ein Beitrag zur Röntgenologie des Musculus psoas unter physiologischen Verhältnissen. Röntgenpraxis, 1938, 10: 242-9.—**Bonin, G. v.** Bau und Variationen des Iliopsoas. Anat. Anz., 1930, 69: 476-85.—**Fryette, H. H.** The psoas muscle. J. Am. Osteopath. Ass., 1936-37, 36: 441-4.—**Stefani, F.** Sulla possibilità di accertare preventivamente nell'organismo la presenza del muscolo psoas in ordine alle operazioni di plessia. Riv. chir., Nap., 1936, 2: 304-6.—**Wierzejewski, I.** Die perkutane Tenotomie der Sehne des M. iliopsoas. Zbl. Chir., 1927, 54: 2384.

Abscess.

See also Spine, Disease; Tuberculosis, Abscess.

COHEN SOLAL, L. *Les suppurations aiguës primitives développées dans la gaine du psoas-iliaque. 231p. 23 $\frac{1}{2}$ cm. Alger, 1936.

Alpert, L. Report of a case of psoas abscess resulting from tuberculosis of the cervical spine. N. England J. M., 1934, 211: 675-7.—**Baer, W. S., Bennett, G. E., & Nachlas, I. W.** Non-spinal psoas abscess. J. Bone Surg., 1923, 5: 590-600.—**Barney, J. D.** Psoas abscess of pyogenic origin. N. England J. M., 1933, 208: 977-82.—**Bársony, T., & Polgár, F.** Ein Röntgensymptom der Psoasabszesse. Fortschr. Röntgenstrahl., 1926, 34: 634-6. Also Gyógyászat, 1926, 66: 31.—**Behrman, S.** Non-spinous psoas abscess: 4 cases at a children's hospital. Lancet, Lond., 1930, 2: 297.—**Bodnár, T.** [Non-tuberculous abscess of the iliopsoas muscle] Orv. hetil., 1937, 81: 1180.—**Edelman, L.** Psoas muscle abscess simulating perinephritic abscess; report of 2 cases. J. Mount Sinai Hosp. N. York, 1937-38, 4: 928-34.—**Given, J. B.** Suppurative ilio-psoasitis. Long Island M. J., 1926, 20: 456-9.—**Hellstadius, A.** Psoas abscess from tuberculous spondylitis as the cause of coxitis. Acta orthop. scand., 1934, 5: 139-47.—**Hoshall, F. A.** Pyogenic psoas abscesses. South. M. J., 1937, 30: 1097-9.—**Lewis, N. B.** Psoas abscess. Mississippi Doctor, 1937-38, 15: No. 8, 9-11.—**Long, LeR., & Long, LeR. D.** Acute nontuberculous iliopsoas abscess. J. Oklahoma M. Ass., 1927, 20: 68-70.—**Lyall, A.** Acute psoas abscess caused by diverticulitis. Brit. J. Surg., 1936, 24: 192.—**Morison, R.** A contribution to the surgery of tuberculosis; notes of a case of double psoas abscess operated upon 29 years ago. Newcastle M. J., 1928-29, 9: 130-46.—**Norrish, R. E.** Acute ilio-psoas abscess. Brit. J. Surg., 1936, 24: 55-9, 2 pl.—**Ortmayer, M.** Bilateral non-tuberculous iliopsoas abscess. Surg. Gyn. Obst., 1938, 66: 778-84.—**Plaats, G. J. van der.** Ein Fall von verkalkten Psoasabszessen. Röntgenpraxis, 1929, 1: 807-9.—**Rácz, B.** Akuter Psoasabszess im Anschluss an Sportverletzung. Zbl. Chir., 1937, 64: 452-5.—**Russell, R. H.** On abscess between the ilio-psoas muscle and the head of the femur. Intercolon. M. J. Australasia, 1908, 13: 552-5.—**Shapiro, P. F.** Psoas abscess following chronic ulcerative proctitis. In Path. Conf. (Jaffé, R. H.) Chic., 1940,

87-9.—**Srinivasan, V.** Acute psoas abscess. *Ind. M. Gaz.* 1934, 69: 447.—**Sworn, B. R.** Acute psoas abscess. *Brit. M. J.*, 1933, 1: 6.—**Tyler, G. T., jr.** Non-spinal psoas abscess. *J. S. Carolina M. Ass.*, 1927, 23: 466-9.—**Wardle, M.** Zinc ions in psoas abscess. *Practitioner*, Lond., 1923, 110: 195.—**Warring, F. C. jr., & Kent, E. M.** Paravertebral aspiration of tuberculous psoas abscess. *Am. Rev. Tuberc.*, 1939, 39: 338-47.—**Wichtl, O.** Ein Fall von idiopathischem Psoasabszess. *Med. Klin.*, Berl., 1936, 32: 671.—**Young, J. K.** Early (Treves) operation for psoas abscess. *Tr. Philadelphia Acad. Surg.*, 1911, 13: 121. Also *Univ. Pennsylvania M. Bull.*, 1910-11, 23: 539-48. — Psoas abscess cured by posterior operation. *Ann. Surg.*, 1908, 48: 788.

— Disease.

Gondos, B. [Data on the value of the so-called psoas edge symptom] *Orv. hetil.*, 1940, 84: 389-92.—**Herzog, K.** Ueber durch Trauma verursachte Funktionsstörungen des M. iliopsoas. *Münch. med. Wschr.*, 1938, 85: 718-20.—**Jungmann, M.** Beziehungen des Musculus psoas zu den Schmerzen im Unterbauch. *Zbl. Gyn.*, 1935, 59: 2505-12.—**Klages, F.** Nicht-tuberkulöse Psoaserkrankungen im Kindesalter. *Beitr. klin. Chir.*, 1933, 158: 171-80.—**LeBreton, P.** Foreign body in the psoas muscle; simulation of hip joint disease. *N. York M. J.*, 1915, 101: 352-5.—**McKenzie, W., & Morris, A.** Psoas contraction in children and its significance. *Intercolon. M. J. Australasia*, 1906, 11: 373-9.—**Mancilaire, P.** Ablation d'une balle logée dans le muscle psoas. *Bull. Soc. chir. Paris*, 1914, n. ser., 40: 1178.—**Rathery, F., Mollaret, P., & Sainton, J.** Un cas de myoclonies arythmiques localisées au psoas gauche et durant depuis plus de 10 ans. *Bull. Soc. méd. hôp. Paris*, 1935, 3. ser., 51: 886-90.—**Tallroth, A.** Hemorrhage in the iliopsoas muscle causing injury to the femoral nerve; report of a second case. *Acta chir. scand.*, 1940, 84: 124-8.—**Wichtl, O.** The pathology of the psoas and the psoas shadow. *Am. J. Roentg.*, 1942, 47: 652 (Abstr.)

— Echinococcosis.

Barón, A. G., & Manzanos, J. Un caso de quiste hidatídico del músculo psoas ilíaco. *Arch. med.*, Madr., 1935, 38: 318-20.—**Bolognesi, G.** Echinococcuscystes des Musculus psoas. *Zbl. Chir.*, 1935, 62: 1398-402.—**Pigeon & Bernasconi.** Kyste hydatique du psoas; hydronéphrose par compression et déviation de l'uretère; intervention; guérison. *Bull. Soc. fr. urol.*, 1927, 6: 215-9.—**Prat, D., & López-Gutiérrez, J. C.** Hidatidosis primitiva de la logia del psoas ilíaco derecho; quiste hidatídico del psoas ilíaco. *Arch. urug. med.*, 1939, 14: 576-85.

— Inflammation.

BARRAS, J. *Le syndrome psoite chez l'enfant. 62p. 8°. Lyon, 1935.

Abbatucci. La psoitis considérée comme un furoncle musculaire. *Ann. hyg.*, Par., 1913, 16: 177-81.—**Artur & Provost.** Psychose additionnelle au cours d'une staphylococcie insidieuse avec psoitis. *Bull. Soc. méd. hôp. Paris*, 1938, 3. ser., 54: 44-9.—**Bartolucci, P. G.** La psoite. *Riv. osped.*, 1926, 16: 109-16.—**Borra, E.** Contributo allo studio delle miosit tropicali: le piopsoiti. *Minerva med.*, Tor., 1941, 32: pt 1, 165-7 (microfilm).—**Carbonnell Salazar, A., & Labourdette Soull, J. M.** Un caso de psoitis supurada en el curso de una sépticopioemia estafilococcica. *Arch. Soc. estud. clín. Habana*, 1941, 35: 7-33.—**Cohen-Solal, L.** Les suppurations aiguës primitives développées dans la gaine du psoas iliaque. *Rev. chir.*, Par., 1936, 55: 534-45.—**D'Audibert Caille du Bourguet.** A propos d'un cas de psoitis. *Bull. Soc. méd. mil. fr.*, 1929, 23: 13-5.—**Gounelle, H.** Sur un cas de psoitis longtemps confondu avec plusieurs affections ostéo-articulaires de la hanche. *Ibid.*, 15-9.—**Greene, J. A.** Psoas fibrositis and myositis in the differential diagnosis of lower abdominal pain; analysis of 15 cases. *Proc. Centr. Soc. Clin. Res.*, 1942, 15: 37.—**Ingelrans, P., & Minne, J.** La psoitis de l'enfant et de l'adolescent. *Arch. fr. belg. chir.*, 1929-30, 32: 1035-73. — Onze cas de psoitis primitives observés chez des enfants et des adolescents. *Rev. orthop.*, Par., 1933, 20: 577-602.—**Kettner, J. H.** The treatment of psoasitis. *J. Am. Osteopath. Ass.*, 1941-42, 41: 401-4.—**Laffont & Ezes.** Psoitis suppurée post-abortion. *Bull. Soc. obst. gyn. Paris*, 1934, 23: 198.—**Larson, N. J.** Psoasitis. *J. Am. Osteopath. Ass.*, 1939-40, 39: 265-7.—**Lugin, M.** Psoitis et coxalgie. *Rev. internat. tuberc.*, Par., 1910, 18: 280.—**McKenna, W. F.** Suppurative myositis of the psoas iliacus suggesting renal pathology. *Am. J. Surg.*, 1930, n. ser., 8: 118-20.—**Martin du Pan, C.** Psoitis primitive suppurée chez un enfant. *Rev. méd. Suisse rom.*, 1937, 57: 165-8.—**Matusige, T.** Ueber Psoitis mit seltenem Ausgang. *Mitt. Med. Akad. Kyoto*, 1937, 19: 1202-10.—**Piulachs & Aguilo-Mercader, G.** Sobre la etiología de la psoitis aguda. *Medicina*, Madr., 1941, 9: 393-400.—**Popescu Severin, A., & Podeanu, G.** [Primary psoitis in children] *Spitalul*, 1934, 54: 269-73.—**Robinson, B.** Comparison of the effects (muscular peritonitis) of psoas trauma on viscera in the right and left iliac fossa. *Med. Standard*, Chic., 1907, 30: 483-8.—**Rocher, H. L., & Malaplate.** Psoitis suppurée primitive à staphylocoque chez un enfant de 12 ans. *Bull. Soc. pédiat. Paris*, 1928, 26: 540-4.—**Rolland.** A propos de quelques cas de psoitis primitive. *Arch. méd. pharm. nav.*, 1934, 124: 210-7.—**Romeo, M.** Sopra un caso di psoite. *Riv. chir.*, Nap., 1936, 2:

498-504.—**Salmon, M.** Psoitis suppurée; rupture en péritoine libre; ulcération de l'artère iliaque externe. *Mém. Acad. chir.*, Par., 1936, 62: 791-3.—**Santi, E.** Psoiti o adenocesshi della fossa iliaca? *Ann. ital. chir.*, 1935, 14: 893-906.—**Schroeder, E.** Cinq cas de psoitis primitives. *Acta chir. scand.*, 1938, 81: 139-54, 2 pl.—**Shulutko, L. I.** [A new symptom in psoitis] *Ortop. travmat.*, 1934, 8: 78-80.—**Stiénon.** Psoitis double suppurée. *Clinique*, Brux., 1910, 24: 213.—**Topa, P., Craciun, E., & Dinischiotu, G. T.** Sur un cas de psoite rhumatismale bilatérale. *Bull. Soc. méd. hôp. Bucarest*, 1934, 16: 111-26.—**Varela-Fuentes, B., & Iraola, J.** Sobre un signo radiológico de la psoitis aguda. *Arch. urug. med.*, 1937, 10: 593-8.—**Verdun, M.** La psoitis. *Gaz. hôp.*, 1909, 82: 1363-9; 1399.

— Psoas major.

Denslow, J. S. Discussion of a case of unilateral psoas major muscle shortening from contracture or fibrositis. *J. Osteopathy*, 1939, 46: No. 12, 24-8.—**Rose, D. K.** Influence of psoas major muscle on kidney function. *J. Urol.*, Balt., 1941, 45: 558-69.

— Psoas minor.

Ayer, A. A. The muscle iliacus minor in the Indian langur, *Semuopithecus entellus*. *Anat. Rec.*, 1941, 79: 79-82.—**Hakala, P., & Hallman, N.** [Origin of psoas minor in man] *Duodecim*, Helsin., 1937, 53: 856-69.—**Mirizzi, P. L.** Fibromyoxome du tendon du petit psoas. *Ann. anat. path.*, Par., 1935, 12: 807-10.—**Seib, G. A.** Incidence of the M. psoas minor in man. *Am. J. Phys. Anthropol.*, 1934, 19: 229-46.

— Rupture.

Aberle, W. Muskelriss des Iliopsoas und Spondylitis. *Zbl. Chir.*, 1937, 64: 1639-43.—**Maxon, H.** Schwere Blutung infolge Einrisses des Musculus psoas major. *Beitr. klin. Chir.*, 1929, 146: 179-82.—**Muniagurria, C.** Hemorragia transperitoneal por ruptura del psoas derecho, simulando una apendicitis aguda. *Rev. méd. Rosario*, 1926, 16: 28.—**Rácz, B.** [Isolated ruptures of psoas] *Orv. hetil.*, 1934, 78: 715.

— Tumor.

NAUDET, M. *Sur un cas d'angiome musculaire du psoas. 55p. 8°. Lyon, 1911.

Bérard & Patel. Volumineux angiome du psoas gauche ayant érodé l'os iliaque; ablation par voie sous-péritonéale antérolatérale; guérison. *Lyon chir.*, 1910, 4: 74-8.—**Podio, G.** Su di un caso di fibroma originato dalla fascia dello psoas di sinistra. *Fol. demogr. gyn.*, Genova, 1939, 36: 459-74, incl. pl.—**Stewart.** Sarcoma of the psoas muscle treated by excision, X-ray and Coley's fluid. *Tr. Philadelphia Acad. Surg.*, 1910, 12: 216-9.

ILIOSACRAL region.

See **Lumbosacral region**; **Sacroiliac region**.

ILIOVICI, Emile, 1905— *Des chondromes pulmonaires primitifs à propos d'un cas observé. 52p. pl. 8°. Par., Jouve & cie, 1932.

ILIUM.

See also **Acetabulum**; **Buttock**; **Hip**; **Iliac fossa**; **Iliac spine**; **Pelvis**; **Sacroiliac joint**; **Sacroiliac region**; also names of muscles of the ilium as **Gluteus**, etc.

Andrássy. Kongenital Missbildung einer Darmbeinschaukel mit Keilwirbelkörperbildung in der Lendenwirbelsäule. *Zschr. orthop. Chir.*, 1925-26, 47: 264-7.—**Cobau, A.** Ricerche sulla struttura dell'osso iliaico. *Chir. org. movim.*, 1928-29, 14: 326-34.—**Grashey, R.** Darmbeinkamm; Weichteilfalte. *Röntgenpraxis*, 1936, 8: 66.—**Haeusermann, E.** Zur Bestimmung von Geschlechts- und Rassenunterschieden am menschlichen Os ilium durch Messung. *Zschr. Morph. Anthropol.*, 1925-26, 25: 465-74.—**Hecker, P.** Sur le bord dit pubien de l'os iliaque chez l'homme et dans la série des mammifères. *Bull. Soc. anthropol. Paris*, 1926, 7: 79-84.—**Lazorthes, G., & Lhez, A.** La grande échancre sciatique; étude de sa morphologie et de ses caractères sexuels. *Arch. anat.*, Strasb., 1939, 27: 143-69.—**Letterman, G. S.** The greater sciatic notch in American whites and Negroes. *Am. J. Phys. Anthropol.*, 1941, 28: 99-116.—**Morestin, H.** Résection de l'aile iliaque. *Bull. Soc. chir. Paris*, 1910, n. ser., 36: 848-51.—**Napalkov, P. N.** Fernresultate einer erweiterten Darmbeinschaukelresektion. *Arch. orthop. Unfallchir.*, 1930-31, 29: 203-9.—**Straus, W. L. jr.** The human ilium; sex and stock. *Am. J. Phys. Anthropol.*, 1927, 11: 1-28. — Studies on primate ilia. *Am. J. Anat.*, 1929, 43: 403-60.—**Vithena, H. de.** Cartas sobre anatomia; a um discipulo; o meu primeiro trabalho anatomico de investigação; das linhas curvas do osso ilíaco. *Arq. anat.*, Lisb., 1938, 19: 306-15.—**Villemin, F.** La différenciation sexuelle précoce de la grande échancre sciatique et son rctenissement sur l'évolution du bassin chez l'homme. *Bull. Acad. méd.*, Par., 1937, 3. ser., 117: 410-2.

Dislocation.

See also Hip-joint, Dislocation; Sacroiliac joint.

DUNGLAS, J. *Luxation complète de l'os iliaque. 56p. 24½cm. Toulouse, 1935.

CYRIAX, E. F. A case of displacement of the ilium of 16 months standing; painless reposition; immediate recovery. Brit. J. Radiol. B. A. R. P. Sect., 1924, 29: 135-9.—Folliasson, A. Luxation traumatique de l'os iliaque gauche; réduction sanglante tardive. Bull. Soc. nat. chir., Par., 1933, 59: 1308-14.—Garraud, R. La luxation double verticale de l'os iliaque. Gaz. hôp., 1937, 110: 829-35.—Masmonteil, F. Luxation de l'os iliaque en haut. Ibid., 1919, 92: 229-31.

Echinococcosis.

Landívar, A. F. Resultado alejado de la resección de la porción ilíaca del hueso coxal por quiste hidático. Bol. Soc. cir. B. Aires, 1938, 22: 228-31.—Matolesy, T. [Echinococcosis of the iliac bone] Orvoscakpés, 1935, 25: dec. különf. (T. Verebely Festschr.) 143-6, pl. Also Deut. Zschr. Chir., 1934-35, 244: 218-22.—Pasnán, R. Quiste hidatídico unilocular del hueso ilíaco. Bol. Soc. cir. B. Aires, 1929, 13: 803-9.

Epiphysis.

COSTES, G. *Arrachement des points épiphysaires de l'ilion chez l'adolescent. 60p. 8° Par., 1932.

Kleinberg, S. Avulsion of epiphysis of iliac crest. Ann. Surg., 1935, 101: 1078-81.—Mouchet, A., Sorrel, E., & Stefani. Scoliose par contracture douloureuse des muscles lombaires au cours d'une épiphysite du rebord iliaque. Mém. Acad. chir., Par., 1939, 65: 160-2.—Wiberg, G. Zwei Fälle von Epiphysenlösung der Crista iliaca. Acta chir. scand., 1936, 78: 329-34, pl.

Fracture.

See also Hip, Fracture; Iliac spine; Pelvis, Fracture.

COLLODIN, R. *Les fractures isolées de l'aile iliaque. 41p. 25cm. Lyon, 1939.

Aimes, A. Une variété rare de fracture de l'aile iliaque. Bordeaux chir., 1934, 5: 283. Also J. méd. Bordeaux, 1934, 111: 40.—Avilés B., V. M. Pelvis obstruida por fractura mal consolidada del hueso ilíaco en una embarazada a término. Bol. Soc. cir. Chile, 1934, 12: 155-8, 2 pl.—Cobau, A. La structure de l'os iliaque dans la statique humaine dans les fractures du bassin et dans le mécanisme de l'accouchement. Presse méd., 1929, 37: 1167-9. — Le rôle de la structure de l'os iliaque dans les fractures du bassin. Bull. Soc. nat. chir., Par., 1930, 56: 492-6.—Erickson, A. E. Rare case of fractured ilium in bovine. M. S. C. Vet., East Lansing, 1942-43, 3: 23.—Gold, E. Zur Frage der Prognose und Behandlung der Beckenbrüche im Bereiche der Hüftpfanne. Wien. klin. Wschr., 1929, 42: 641.—Jiménez Plá, A. Fractura del ala del hueso ilíaco. Cir. ortop. traumat., Habana, 1941, 9: 37-41.—Lodder, J. [Fractures of the ilium] Geneesk. tschr. Ned. Indië, 1941, 81: 2322.—Patel & Meysonnier. Présentation d'un cas de fracture de la branche ilio-pubienne simulant une conversion simple de la hanche. Lyon méd., 1928, 142: 395.

Injury.

Jahss, S. A. Injuries involving the ilium: a new treatment. J. Bone Surg., 1935, 17: 338-46.—Linow, F. Zwei Röntgenbilder seltener Darmbeinverletzungen. Mschr. Unfallh., 1933, 40: 571.—Mage, S. Gunshot wound of right iliac bone. Ann. Surg., 1938, 107: 155-8.

Osteitis.

HALLÉ, G. P. M. *Périostite albumineuse; sa localisation à l'os iliaque. 118p. 8° Par., 1937.

Bársony, T., & Polgár, F. Ostitis condensans ilii, ein bisher nicht beschriebenes Krankheitsbild. Fortsch. Röntgenstrahl., 1928, 37: 663-9.—Berent, F. Zur Aetiologie der Ostitis condensans ilii. Ibid., 1934, 49: 263-6.—Blankoff. Ostéite de l'ilion chez l'enfant. Paris méd., 1927, 65: 228.—Gädel, R. Kasuistischer Beitrag zum Krankheitsbild der Ostitis condensans ossis ilii. Fortsch. Röntgenstrahl., 1936, 54: 256-8.—Pines, L. Zur Frage der Lumbo-Sakralgie (über Sacroileitis und Ostitis condensans ilii Bársony) Deut. Zschr. Nerven., 1932, 126: 113-22.—Rendich, R. A., & Shapiro, A. V. Osteitis condensans ilii. J. Bone Surg., 1936, 18: 899-908.—Rendu, A. Ostéite de l'ilion chez l'enfant. Paris méd., 1927, 65: 66-70.—Shafar, J. Osteitis condensans ilii. Lancet, Lond., 1938, 2: 1229-31, pl.

Osteomyelitis.

Badgley, C. E. Osteomyelitis of the ilium. Arch. Surg., 1934, 28: 83-124.—Capaccini, F. Su di un caso di osteomielite acuta dell'ileo nel fanciullo. Gazz. osp., 1926, 47: 339.—Ciconardi, G. Sur un caso di osteomielite acuta dell'osso

iliaco (necrosi e rigenerazione dell'ileo) Riv. chir., Nap., 1935, 1: 242-53.—Clark, E. D. Osteomyelitis. Med. J. Australia, 1942, 2: 278.—Echegaray, E. M., & Lima, E. J. Osteomyelitis del ilium. Sem. méd., B. Air., 1939, 46: pt 2, 492-7.—Flickinger, W. G. Osteomyelitis of the ilium; report of a case. Long Island M. J., 1927, 21: 95-7.—Ingelrands, P., & Vandeuve, A. Diagnostique et traitement de l'ostéomyélite chronique de l'ilion. Rev. orthop., Par., 1938, 3, sér., 25: 712-4.—Lagos García, C., & Grosso, A. Osteomielitis aguda del hueso ilíaco: consideraciones con motivo de 10 casos observados. Sem. méd., B. Air., 1927, 34: pt 1, 193-210.—Laroyenne & Mestrallet. Ostéomyélite de la crête iliaque chez un jeune homme de 17 ans. Lyon méd., 1926, 138: 682.—Magyar, G. [Acute osteomyelitis of the iliac bone] Orvoscakpés, 1933, 23: jun. különf., 378-83, pl.—Marsili, A. Osteomielite acuta primitiva dell'ileo e del pube. Gazz. internaz. med. chir., 1937, 47: 16-23.—Massabau, Guibal & Laux. Ostéomyélite de la hanche. Bull. Soc. sc. méd. biol. Montpellier, 1925-26, 7: 150-63.—Mintzman, J. Case report; chronic osteomyelitis in the ilium. Practitioner, Lond., 1934, 133: 334-6.—Pazzagli, R. Considerazioni sulla sintomatologia e sulla patogenesi dell'osteomielite acuta dell'ileo. Chir. org. movim., 1933-34, 18: 331-40.—Pique, J. A., & Valls, J. E. Osteomielitis aguda del ilíaco. Rev. ortop. traumat., B. Air., 1937-38, 7: 1-28.—Rabère. Ostéomyélite prépubertaire juxta-marginale de l'ilion. J. méd. Bordeaux, 1907, 37: 378.—Rovida, F. Contributo allo studio dell'osteomielite dell'ileo nell'infanzia. Gazz. med. lombarda, 1927, 86: 9-13.—Ryan, C. A., & Funston, R. V. Osteomyelitis of ilium (probably tuberculous) case report. J. Bone Surg., 1930, 12: 165-7.—Sgroi, G. Due casi di osteomielite acuta della grande ala dell'ileo in adolescenti. Rass. internaz. clin. ter., 1933, 14: 350-9.—Short, A. R. Acute osteomyelitis of the ilium. Brit. M. J., 1931, 2: 97.—Torchiana, L. Sopra un caso di osteomielite acuta primitiva dell'ileo. Minerva med., Tor., 1928, 8: pt 2, 413-22.—Torres Marty, L., & Falcón, J. Osteomielitis septicémica, con localización preferente en ilíaco. Rev. méd. Barcelona, 1935, 23: 72-4.—Vengerovsky, I. S. [Osteomyelitis of the ilium in children] Kazan. med. J., 1939, 35: No. 10, 68-72.—Young, F. Acute osteomyelitis of the ilium. Surg. Gyn. Obst., 1934, 58: 986-94.

Tumor.

PLESSER, A. *Ueber einen Fall von Osteochondrosarkom des Darmbeines. 34p. 8° Kiel, 1907.

Carless, A. Sarcoma of the ilium treated by Coley's fluid. Proc. R. Soc. M., Lond., 1911-12, 5: Clin. Sect., 169.—Case of a most enormous osteosarcomatous tumour of the ilium and femur. Month. J. Foreign Med., 1828, 1: 63.—Cope, Z. Cyst of the left iliac bone. Proc. R. Soc. M., Lond., 1939-40, 33: Clin. Sect., 334.—Haret. Tumeur de l'os iliaque. Bull. Soc. radiol. méd. France, 1929, 17: 142.—Ledoux-Lebard, R., & Piot, E. Deux cas de sarcome de l'os iliaque traités par la radiothérapie pénétrante. J. radiol. électr., 1927, 11: 424-8.—Liebman, C., & Goldman, S. E. Solitary myeloma of the ilium. Canad. M. Ass. J., 1936, 34: 511-3.—Matolesy, T. Diagnose und Behandlung der Darmbeingeschwülste. Arch. klin. Chir., Berl., 1935-36, 184: 82-92.—Moro, G. Condroma dell'ileo. Chir. org. movim., 1933-34, 18: 171-6.—Morrison, W. A. Osteochondroma of the ilium. Surg. Clin. N. America, 1933, 13: 167-73.—Pohle, E. A., & Stovall, W. D. Plasma-cell myeloma of the right ilium roentgenologically mistaken for giant-cell tumor. Radiology, 1935, 25: 628.—Rocher, H. L. Périostéome traumatique juxta-articulaire de l'os iliaque. J. méd. Bordeaux, 1935, 112: 671.—Teufel, S. Zystischer Knochentumor der Beckenschaufel, histologisch Zylindrom. Röntgenpraxis, 1937, 9: 49.—Watson, G. Large sarcoma of the ilium: direct digital compression of the right common iliac artery; removal; good recovery. Med. Press & Circ., Lond., 1910, n. ser., 90: 566.—White, M. J. A case of giant cell sarcoma of the ilium, treated by deep X-ray therapy. Mil. Surgeon, 1928, 63: 387-9.

ILJIN, Alexandra, 1903—*Interstitielle unspezifische, intrauterine (?) Pneumonie beim Neugeborenen [München] 17p. 8° Wertheim a. M., E. Bechstein, 1935.

ILKOFF, Iwan D., 1903—*Inhalationsversuche mit Impflymphe an Kaninchen [Leipzig] 10p. 8° [Zeulenroda i. Thür., A. Oberreuter] 1926.

ILL, Edgar Alexander, 1882-1942.

For obituary see J. Am. M. Ass., 1942, 118: 1156. Also J. M. Soc. N. Jersey, 1942, 39: 165, portr.

ILL, Edward Joseph, 1854-1942.

Eagleton, W. P. Tribute to Dr Edward J. Ill, First president, benefactor and trustee of the Academy of Medicine of Northern New Jersey, on the establishment of The Edward J. Ill Award. J. M. Soc. N. Jersey, 1939, 36: 699-704.—Kosmak, G. W. Dr Edward J. Ill, the progressive gynecologist. Ibid., 1934, 31: 363.

For obituary see J. Am. M. Ass., 1942, 119: 666. Also J. M. Soc. N. Jersey, 1942, 39: 402, portr.

ILLAIRE, Jacques W., 1902—*Contribution à l'étude du cancer de l'oesophage. 123p. 8°. Par., Jouve & cie, 1932.

ILLANA Sánchez, Federico, 1871-1930. [Necrología] Rev. san. mil., Madr., 1930, 20: 337.

ILLEGITIMACY.

See also Child, neglected; Coitus (extramarital; Free love and promiscuity; illicit) Illegitimate; Marriage, common law; Mental deficiency; Prostitution; Rape; Unemployment.

LEFFINGWELL, A. T. Illegitimacy, and the influence of the seasons upon conduct; two studies in demography. 160p. 12°. Lond., 1892.

Batten, L. W. Preserving the race. Brit. M. J., 1942, 1: 624.—Brownlee, J. On the probability that the distribution of illegitimacy in the British Isles depends upon survival of custom from definite racial invasions. Man., Lond., 1926, 26: 181-4.—Caride, J. J., Rodriguez Egaña, A., & Bonhour, A. Filiación natural. Sem. méd., B. Air., 1939, 46: pt 2, 444-9.—Farnell, F. J. The unmarried mother; a sociological sex problem. Arch. Pediat., N. Y., 1937, 54: 686-8.—Hanauer, U. Uneheliche Geburten einst und jetzt. Umschau, 1928, 32: 932.—Illegitimacy during the depression. Statist. Bull. Metrop. Life Insur., 1936, 17: No. 7, 7-9.—K., L. Die uneheliche Mutterschaft [by] H. Binder. Bern, 1941. J. Nerv. Ment. Dis., 1942, 95: 510-2.—Popenoe, P. Some eugenic aspects of illegitimacy. J. Social Hyg., 1923, 9: 513-27.—Scazzella, M. Il problema della montagna ed i suoi rapporti nella natalità legittima ed illegittima nel Biellese. Pediat. med. prat., Tor., 1938, 13: 402-7.

— Forensic aspect.

See also Abortion, criminal; Infanticide; Paternity.

Bovensiepen, R. Exceptio plurium. In Handwörterb. Sexualwiss. (Marcese) Bonn, 1923, 118-20.—[France, Cour de cassation, 8 mars 1939] Accident mortel; enfant posthume; mariage postérieur à l'accident. Rec. spé. accid. trav., 1939, 39: 237.—Rosenthal, M. Das uneheliche Kind bei Heiratsverkehr der Mutter. Verh. Internat. Kongr. Sexforscher., 1928, 1. Congr., 5: 142-9.

— Legal aspect.

Bambaren, C. A. Demografia e ideas jurídicas sobre natalidad ilegítima. Crón. méd., Lima, 1935, 52: 465-81.—Gray, E. Illegitimacy in Norway; the Castberg Laws. Mat. & Child Welf., Lond., 1923, 7: 115-7.—König, A. Rechtsschutz den illegitimen Ehefrauen! Zschr. Sexwiss., 1929, 16: 171-4.—Nathansson, J. N. The duty of the state to the unmarried mother and child. Pub. Health J., Toronto, 1922, 13: 30-3.—Ungern-Sternberg, R. von. Geburt und Tod im Jahre 1933 und das Unehelichenrecht als Bevölkerungsproblem. Fortsch. Med., 1934, 52: 573-5.—Viana, O. Gli illegittimi e la politica demografica del fascismo. Arte ostet., 1937, 51: 197-202.—Workum, R. I. The Cincinnati illegitimacy plan. Hosp. Social Serv., 1923, 7: 247-55.

— Maternity.

BRISLEY, M. E. The unmarried parent-child relationship. 33p. 22½cm. N. Y., 1939.

DIETRICH, H. E. *Eheliche und uneheliche Schwangerschaften und Geburten [Berlin] 28p. 8°. Gütersloh, 1936.

RUCH, L. M. *Schwangerschaft und Geburt bei unehelichen Hauschwangern [Berlin] 31p. 23cm. Borna-Lpz., 1936.

WEINZIERL, E. Die uneheliche Mutterschaft; eine sozialgynäkologische Studie, zugleich ein Beitrag zum Problem der Fruchtabtreibung. 79p. 8°. Berl., 1925.

Howland, G. W. Illegitimate mothers. Hosp. Social Serv., 1927, 16: 6-10.—Kasanin, J., & Handschin, S. Psychodynamic factors in illegitimacy. Am. J. Orthopsychiat., 1941, 11: 66-84.—Lauder, R. No longer alone; an intelligent approach to the unmarried mother. Trained Nurse, 1941, 107: 423-5.—McClure, W. E. Intelligence of unmarried mothers. Psychol. Clin., 1931, 20: 154-7.—Queen, S. A., & Gruener, J. R. Personal stigma: unmarried mothers and ex-convicts. In their Social Path., rev. ed., N. Y., 1940, 484-519.—Riggenbach, O. Die uneheliche Mutterschaft. Praxis, Bern, 1941, 30: 797-9.—Skeehan, E. A. The unmarried mother. Abstr. Theses Univ. Pittsburgh, 1930, 6: 382.—Tower, J. L. An unmarried mother. Ment. Hyg. News, Alb., 1934-35, 5: No. 7, 3.

— Medical aspect.

Boverat, F. La secret médical et la défense de l'enfant prénatal. Rev. hyg. inéd. social., Par., 1939, 18: 153-8.—

Danforth, W. C. The doctor and the unmarried mother. Illinois M. J., 1940, 77: 588-92.—Waite, D. The role of the physician in the care of unmarried mothers and adoptive children; new laws summarized. Wisconsin M. J., 1936, 35: 59-64.

— Moral aspect.

Bett, W. R. One hundred years ago; a scandal in high places. S. Barth. Hosp. J., Lond., 1938-39, 46: 104.—Driscoll, J. H. Birth, the defect of illegitimacy. Cath. Enceyel., N. Y., 1913, 2: 579.—Faragher, H. M. A study of 120 unmarried mothers and the fathers of their children. Abstr. Theses Univ. Pittsburgh, 1938, 14: 429-31.—Hall, G. E. Moral conditions in rural New England. J. Social Hyg., 1923, 9: 267-70.—Morlock, M. Shall I keep my baby? Trained Nurse, 1942, 109: 21-4.

— Social aspect.

Araquistain, M. L., & Araquistain, C. C. El problema de la natalidad ilegítima. Arch. pediat. Uruguay, 1934, 5: 93-101.—Cole, L. C. The need of the case work method in dealing with illegitimacy. Hosp. Social Serv., 1926, 13: 430-42.—Davis, K. Illegitimacy and the social structure. Am. J. Sociol., 1939, 40, 45: 215-33.—D'Elia, E. Alcuni caratteri della natalità illegittima. Difesa sociale, 1940, 19: 1047-60.—Fisher, H. A. L. The problem of the illegitimate child. J. State M., Lond., 1926, 34: 596-602.—González, J. B. Asistencia social a la madre soltera. Sem. méd., B. Air., 1938, 45: pt 2, 1421-6.—Magoo, E. D. Illegitimacy as a medical social problem; study of 176 cases. Hosp. Social Serv., 1932, 25: 287-306.—Reiter, H. Ein weiterer Beitrag zum Problem des unehelichen Kindes. Off. Gesundheitsber., 1922, 7: 145-56.—Rice, E. P. The problem of unmarried mothers and children of unmarried parents. Connecticut M. J., 1942, 6: 964-7.—Smola, A. Das Problem der Massengeburten unehelicher Kinder in Steiermark und Kärnten. Off. Gesundheitsdienst, 1939-40, 5: A. 460-8.

— Statistics.

See also Fecundity; Vital statistics.

BÖHME [A. A.] R. *Statistische Untersuchungen über die unehelichen Kinder in Leipzig im Jahre 1933. 51p. 8°. Lpz., 1936.

Almeida Junior, A. A ilegitimidade no estado de São Paulo. Rev. Arq. mun., S. Paulo, 1939-40, 6: No. 62, 153-62.—Bonnier, J. W. La fréquence des naissances légitimes et illégitimes à Montréal pour la période 1913-20. Clinique, Montréal, 1921, 12: 167-71.—Brink, T. van den [Illegitimacy birth rate in large towns and in the lowlands] Ned. tscr. geneesk., 1936, 80: 3762-5.—Hanauer, W. Historisch-statistische Untersuchungen über uneheliche Geburten. Zschr. Hyg., 1927-28, 108: 656-84.—Hofmann, E. Statistisches über Geschlechtskrankheiten, Prostitution und uneheliche Geburten im besetzten Rheinland. Derm. Zschr., 1923-24, 40: 201-12.—Hofstatter, R. Erwidern und tatsächliche Berichtigung. Wien. med. Wschr., 1937, 87: 648.—Illegitimacy in various countries. Med. Critic, 1924, 25: 190.—Illegitimate births. Lancet, Lond., 1942, 1: 402.—Luca, A. Il movimento degli illegittimi in Piemonte. Lattante, 1936, 7: 134; 277.—Note statistiche sulla natalità e mortalità degli illegittimi in Italia. Ibid., 1932, 3: 484.—Osservazioni sulla natalità illegittima in Torino. Pediat. med. prat., Tor., 1937, 12: 427-39.—Major Boyd-Hamilton figures on illegitimacy. Nation's Health, Chic., 1923, 5: 471.—Mayr, G. von. Die Berechtigung der Moralstatistik. Allg. statist. Arch., 1907, 7: pt 1, 1-20.—Padua, R. G. A study of the incidence of illegitimate births among Filipinos. J. Philippine Island M. Ass., 1932, 12: 430-9. Also Month. Bull. Philippine Health Serv., 1933, 12: 712-23.—Prinz, E. Eheliche und uneheliche Fruchtbarkeit und Unfruchtbarkeitsziffer in Stadt und Land in Preussen. Deut. med. Wschr., 1918, 2: 13.—Roror, E. F. A survey of illegitimacy of unmarried negroes who were delivered at the Lying-in Hospital of Philadelphia, 1927-28. Med. Woman J., 1932, 39: 8-13.—Sanders, J. [Illegitimate births in large cities] Tscr. sociale hyg., 1931, 33: 73-5.—Széll, T. A törvénytelen születések. Magy. statist. szemle, 1941, 19: 71-93, map.—Unehelichen (Die) in Oesterreich. Zschr. Kinderschutz, 1935, 27: 26-8.—Welling, W. C. The registration of illegitimate births. Connecticut Health Bull., 1942, 56: 277.—Winkler, W. Eine österreichische Abgangsordnung der unehelich Geborenen. Congr. internat. popul. (1937) 1938, 1. Congr., 5: 67-70.

ILLEGITIMATE.

See also Illegitimacy; Inferiority complex.

FELDMANN, H. [F. E.] *Zur Frage der Entwicklung unehelicher Kinder im ersten Lebensjahre unter Berücksichtigung des Säuglingsfürsorgesystems in Kiel [Kiel] 19p. 8°. Bremen, 1913.

KIPP, H. Die Unehelichkeit; ihre psychologische Situation und Problematik. 180p. 8°. Lpz., 1933.

Abderhalden, E., & Herre, W. Versuch einer Anwendung der Abwehrproteinase-Reaktion zur Entscheidung der Frage, inwieweit Bastarde Beziehungen zu den beiden Eltern und ferner unter sich besitzen. *Fermentforschung*, 1936, 15: 191-232.—**Fleischer, L.** Ueber das Schicksal der 1891-1905 in Düsseldorf geborenen unehelichen Kinder und ihrer Mütter. Veröff. Medverwalt., 1931, 34: 713-38.—**Gárdonyi, G.** I figli illegittimi in Ungheria. *Pediat. med. prat.*, Tor., 1937, 12: 461-70.—**Krauss, H.** Das Schicksal des unehelichen Kindes. *Zschr. Medbeamte*, 1934, 47: 349-60.—**Lucca, A.** Osservazioni sui lattanti illegittimi assistiti al consultorio della R. Clinica Pediatrica di Torino. *Lattante*, 1932, 3: 631-44.—Osservazioni sui bambini illegittimi assistiti nel Regio Istituto Pediatrico Universitario di Torino. *Pediat. med. prat.*, Tor., 1938, 13: 561-78.—**McGregor, J. B.** The children of unmarried parents. *Canad. Nurse*, 1925, 21: 458-63. Also *Proc. Nat. Conf. Social Work*, 1924, 51: 150-7.—**Panina, L.** Dati biometrici e statistici relativi al neonato illegittimo della Provincia di Mantova. *Prat. pediat.*, Milano, 1939, 17: 339-44.—**Piccoli, A.** Dati biometrici e statistici relativi ai neonati illegittimi della provincia di Perugia. *Lattante*, 1939, 10: 3-16.—**Potter, E. C.** How shall we plan for the children of unmarried mothers in correctional institutions? *Hosp. Social Serv.*, 1931, 23: 403-12.—**Reiter, H., & Ihlefeld, H.** Kinderschicksale ehelich und unehelich Geborener. *Zschr. Hyg.*, 1922, 96: 229-42.—**Teagarden, F. M.** Children born out of wedlock. In *her Child Psychol.*, N. Y., 1940, 241-5.—**Vidoni, G.** Delinquenza minorile e natalità illegittima. *Arch. antrop. crim.*, Tor., 1936, 56: Suppl. 641-3. — Su le condizioni biologiche e sociali dei fanciulli illegittimi. *Difesa sociale*, 1928, 7: No. 7, 1-10.—**Waite, D., & Brubaker, E.** Children of unwed parents. *Milwaukee M. Times*, 1940, 13: No. 7, 15.

Legal aspect.

See also **Child welfare.**

LOHRENTZ, F. *Die zivilrechtliche Stellung der unehelichen Kinder und ihre Reform. 14p. 8°. Königsb., 1920.

MUDGETT, M. D. *Results of Minnesota's laws for protection of children born out of wedlock [Columbia Univ.] p.181-236. 8°. Wash., 1924.

Ambrosio, F. La filiazione illegittima ed il nuovo codice. *Fol. demogr. gyn.*, Genova, 1939, 36: 5-9.—**Buhre, W.** Die Unehelichenschutz im Deutschen Reich. *Zschr. Sexwiss.*, 1926-27, 13: 133.—**Coral Luzzi, P. F.** La arrogación obligatoria y restringida como institución legal máxima de protección a la infancia abandonada, ilegítima o natural. *Bol. Inst. protecc. inf.*, Montev., 1935-36, 9: 425-37.—**Dehnnow, F.** Wer soll die nichtehelichen Kinder unterhalten? *Zschr. Sexwiss.*, 1923-24, 10: 21; 57.—**Díaz de Guíjarro, E.** Equiparación legal de los hijos adulterinos e incestuosos y de los hijos naturales. *Crón. méd.*, Lima, 1941, 58: 353-60.—**Fabian, D.** Das Recht der Unehelichen; ein neuer Gesetzentwurf der Reichsregierung. *Neue Generation*, 1926, 22: 16-9.—**Grassi, G. B.** L'assistenza all'infanzia illegittima secondo il nuovo Regolamento Generale. *Arte ostet.*, 1924, 38: 13-7.—**Heller, L.** Der Entwurf eines Gesetzes über die unehelichen Kinder und die Annahme an Kindesstatt in Deutschland. *Zschr. Kinderschutz*, 1926, 18: 150-3.—**Howard, S. L., & Hemenway, H. B.** Birth records of illegitimates and of adopted children. *Am. J. Pub. Health*, 1931, 21: 641-7.—**Klumker, C. J.** Der Gesetzentwurf über die Rechtsstellung der Unehelichen. *Arch. sozial. Hyg.*, 1925-26, n. F., 1: 96-100.—Der Unehelichenschutz im Deutschen Reich; ein Beitrag zur Geschichte der Berufsvormundschaft und zur Neuordnung des Unehelichenrechts. *Arch. Sozialwiss.*, 1926, 55: 156-94.

Der neue Gesetzentwurf über die Rechtsstellung der unehelichen Kinder. *Neue Generation*, 1929, 25: 1-6.—**Lusig, W.** Das Namensrecht. *Fortsch. Med.*, 1927, 45: 281.—**Nippe.** Zum Entwurf eines Gesetzes über uneheliche Kinder und die Annahme an Kindesstatt. *Klin. Wschr.*, 1926, 5: 116.—**Prettenhofer, E.** Die Rechtsstellung des unehelichen Kindes und der Völkerbund. *Zschr. Kinderschutz*, 1930, 22: 21; 43.—**Rothschild, F.** Neue Literatur zur Rechtsstellung der unehelichen Kinder. *Arch. sozial. Hyg.*, 1926-27, n. F., 2: 209-13.—**Santi, E.** A proposito del riconoscimento della prole illegittima. *Clin. ostet.*, 1938, 40: 416-22.—**Traumann, F. E.** Bevorstehende gesetzliche Änderung des Rechtes der unehelichen Kinder. *Zschr. Sexwiss.*, 1926-27, 13: 9-20.—Zur Reform des Rechtes der unehelichen Kinder. *Ibid.*, 181-3.—**Wilhelm, E.** Ueber die Rechte der unehelichen Kinder in Frankreich unter besonderer Berücksichtigung der Rechtslage in Elsass-Lotharingen. *Ibid.*, 1928, 15: 20-5.—**Worthington, G. E.** Stepping stones to an improved law for children born out of wedlock. *J. Social Hyg.*, 1924, 10: 164-76.

Pathology.

See also **Infant, Mortality.**

Beusch, H. Die Wechselbeziehungen der sozialen Umwelt zum Gesundheitszustand bei den unehelich Geborenen. *Gesundhfs. Kindesalt.*, 1925-26, 1: 447-65.—**Flatzbeck-Hofbauer, A.** Zur Frage der Uebersterblichkeit der unehelichen Kinder im Säuglingsalter. *Zschr. Schulgesundh.*, 1931, 44: 403-11.—**Infant mortality and illegitimacy.** *Med. J. Australia*, 1935, 2: 121.—**Klotz.** Zum Problem der Unehelichsterblichkeit.

Zschr. Kinderh., 1928, 46: 571-4.—**Koch-Schwalbe, A.** Ueber die Säuglingssterblichkeit der Unehelichen in Berlin im Jahre 1922-23. *Gesundhfs. Kindesalt.*, 1926-27, 2: 509-18.—**Levy, S.** Beitrag zu dem Problem der Unehelichen-Sterblichkeit. *Zschr. Kinderh.*, 1927-28, 45: 675-85.—**Meyersohn, R.** Die Säuglingssterblichkeit der Unehelichen in Berlin im Jahre 1925-26. *Gesundhfs. Kindesalt.*, 1926-27, 2: 518-24.—**Orgler, A.** Zur Bekämpfung der Sterblichkeit der unehelichen Säuglinge. *Klin. Wschr.*, 1930, 9: 122-4.—**Reitmann, F.** [Illegitimacy and mental diseases] *Gyógyászat*, 1937, 77: 326-30.

prenatal.

Hofstätter, R. Unehelich gezeugte, ehelich geborene Kinder. *Wien. med. Wschr.*, 1937, 87: 430; 464.—**Pohlen, K.** Die voreheliche Zeugung von ehelichen Erstgeborenen in Amsterdam in den Jahren 1900-30. *Deut. med. Wschr.*, 1936, 62: 1471.

Social welfare.

See also **Child (Adoption; dependent; foster) Child welfare; Foundling; Infant welfare.**

BERT BEDOYA, M. Protección al hijo ilegítimo. 132p. 27½cm. Santiago (Chile) 1940.

Albertini, A. L'assistenza alla prole illegittima. *Arte ostet.*, 1938, 52: 6-15.—**Bauzá, J. A.** La situación social del niño ilegítimo. *Bol. Cons. nac. hig.*, Montev., 1924, 19: 821-30.—**Borrino, A.** Di una nuova forma di pauperismo infantile. *Lattante*, 1934, 5: 170-9.—**Brusa, P.** Sulla assistenza agli illegittimi. *Prat. pediat.*, Milano, 1938, 16: 299-304.—**Care of the illegitimate child.** *Wisconsin M. J.*, 1940, 39: 1060; 1941, 40: 1246.—**Clothier, F.** Problems of illegitimacy as they concern the worker in the field of adoption. *Ment. Hyg.*, Alb., 1941, 25: 576-90.—**Delgado, A. J.** Legitimación del niño indígena nacido en el Sirvinaque. *Crón. méd.*, Lima, 1935, 52: 455.—**Giusefi, M.** La difesa sociale dell'infanzia illegittima ed abbandonata nelle nuove provincie. *Difesa sociale*, 1923, 2: 72-4.—**Hanna, A. K.** Changing care of children born out of wedlock. In *Annals (Am. Acad. Polit. Social Sc.)* 1940, Nov., 359-67.—**Hoffa, T.** Aerztliche Aufsicht über Pflegekinder in Einzelpflege. *Zschr. Gesundheitsverwalt.*, 1933, 4: 296-302.—**Kasten, A.** Ein Beitrag zur Legitimationsstatistik. *Arch. sozial. Hyg.*, 1926-27, n. F., 2: 38-46.—**Knapper, N.** [Hygienic care for children of unwed mothers in hospitals, institutions and homes, in the Netherlands] *Mischr. kindergesesk.*, 1937, 6: 460-6. Also *Ned. tschr. kindergesesk.*, 1937, 81: 3472-5.—**Potter, E. C.** Who pays the penalty when the legal procedure in adoption is side-stepped? *J. M. Soc. N. Jersey*, 1940, 37: 22.—**Shea, A. L.** Family background and the placement of illegitimate children. *Am. J. Sociol.*, 1937-38, 43: 103.—**Stahlmann, R.** Ueber die Notwendigkeit erbblologischer Untersuchungen unehelicher Kinder vor der Adoptionsvermittlung unter besonderer Berücksichtigung der sozialen Verhältnisse. *Med. Klin. Berl.*, 1940, 36: 1228 (Abstr.) (microfilm).—**Stoneman, A. H.** Social problems related to illegitimacy; safeguarding adoptions, legally and socially. *Proc. Nat. Conf. Social Work*, 1924, 51: 144-50.—**Vidoni, G.** L'assistenza dei fanciulli illegittimi. *Igiene mod.*, 1929, 22: 259-65.

ILLGEN [Gerhard] Roland, 1912— *Ursachen der Entstehung des Zahnsteines und seine wirksamste Bekämpfung [Greifswald] 37p. 21cm. Lengerich i. W., Lengericher Handelsdr., 1937.

ILLICIUM [incl. illicin]

Chou, T. Q. Sikitoxin, the toxic principle of Illicium religiosum, Sieb. Mang-tsoo. *Chin. J. Physiol.*, 1927, 1: 213-8.—**Foote, P. A.** A note on the volatile oil of Illicium parviflorum Michx. *J. Am. Pharm. Ass.*, 1938, 27: 573.—**Read, B. E., & Kiang, P. C.** Bastard anise poisoning and its antidotal measures. *Chin. J. Physiol.*, 1927, 1: 15-21.—**Simpson, I. A.** A poisonous variety of star anise. *Malay. M. J.*, 1935, 10: 140.—**Sze Yee Chen.** Illicium religiosum, Siebold Mang Tsao, a phytochemical study. *Am. J. Pharm.*, 1929, 101: 550; 687.—**Takahasi, N.** Ueber die hämostatische Wirkung des Illicin, eines wirksamen Bestandteiles der japanischen Pflanze Illicium anisatum. *Okayama igakkai zasshi*, 1928, 40: 2011.

ILLIG, Gertrud, 1908— *Ueber die skelettfreie Röntgenaufnahme bei Aderhauttumoren. 23p. 21cm. Heidelb., F. Schulze, 1934.

ILLIG, Heinrich, 1884— *Lokalanästhesie bei Exenteratio et enucleatio Bulbi mit verstärkter Novokainlösung [München] 9p. 8°. Wiesbaden, J. F. Bergmann, 1915.

ILLIG, Karl, 1911— *Ueber histologische unspezifische Orchitis und Epididymitis; Bericht über 10 Fälle [Bonn] 59p. 22cm. Würzb., R. Mayr, 1937.

ILLIG, Lise, 1909— *Ueber Skorbut und skorbutähnliche Erkrankungen. 32p. 8°. Heidelberg, F. Schulze, 1933.

ILLIGENS, Bernhard, 1903— *Zur Röntgen- und Radiumtherapie der Schleimhautkarzinome der Mundhöhle und des Oberkiefers [Münster] 35p. 8°. Quakenbrück, R. Kleinert, 1930.

ILLING, Ernst [Robert Gerhard] 1904— *Ueber kongenitale Wortblindheit, angeborene Schreib- und Leseschwäche. p.297-355. 8°. Lpz., A. Edelmann, 1929.

Also Mschr. Psychiat. Neur., 1929, 11:

ILLING, Georg. *Vergleichende makroskopische und mikroskopische Untersuchungen über die submaxillaren Speicheldrüsen der Haussäugtiere [Zürich] 144p. 4 pl. 8°. Wiesbaden, J. F. Bergmann, 1904.

ILLINGWORTH, Charles Frederic William, 1899— A short textbook of surgery. viii, 702p. illust. pl. 8°. Lond., J. & A. Churchill, 1938. ALSO 3. ed. x, 692p. 12 pl. 24cm. 1942.

— Textbook of surgical treatment including operative surgery. xii, 528p. illust. 25½cm. Edinb., E. & S. Livingstone, 1943.

— **DICK, Bruce M.** A text-book of surgical pathology. viii, 677p. 8°. Lond., J. & A. Churchill, 1932. ALSO 2. ed. x, 719p. illust. 8°. 1935. ALSO 3. ed. viii, 727p. 8°. 1938.

ILLINGWORTH, Ronald E. Chemical analysis for medical students; qualitative and volumetric. xii, 152p. pl. tab. 19cm. Edinb., E. & S. Livingstone, 1938.

ILLINOIS, U. S. A. Board of Public Welfare Commissioners. The effort for mental health in the State of Illinois. 102p. 8°. Springf., 1932.

ILLINOIS, U. S. A. Department of Public Health [Annual] report. Springf., 1: 1878/79—

— Educational health circular. Springf., No. 3, 19—

— Monthly bulletin. Springf., v.2-8, 1906-12.

— Radio talks. Springf., 1933-34.

— Detailed procedure for the administrative control of venereal diseases. 29p. 8°. [Springf.] 1935.

— Our babies; a booklet on infant care cited to the mothers of Illinois. 31. 58p. illust. tab. 8°. Springf. [1935]

— Teeth and their preservation. 12p. 8°. [Springf., 1936]

— Manual and outline of procedure for health officers for the control of communicable diseases. Rev. Oct. 1, 1941. 128p. 20cm. [Springf.] 1941.

— Physician's pneumonia handbook. 40p. 19½cm. [Springf., 1942?]

See also Illinois health messenger.

Cross, R. R. Special wartime activities of the Illinois Department of Public Health. Illinois Health Mess., 1942, 14: 57-60.—Facts about the Illinois Department of Public Health. Bull. Chicago M. Soc., 1941-42, 44: 321-6.

ILLINOIS, U. S. A. Department of Public Welfare. Institution quarterly. Springf., v.1-16, 1910-25.

Title changed to Welfare magazine, v.17-19; from v.20 on title is Welfare bulletin.

— Annual report. Springf., v.1, 1918—

— Report of statistician. Springf., 1926—

— Welfare bulletin. Springf., v.17, 1926—

Formerly Institution quarterly, v.1-16; Title of v.17-19 was Welfare magazine.

ILLINOIS, U. S. A. Food Commissioner. Annual report. Springf., 1914-15.

ILLINOIS, U. S. A. Health Insurance Commission. Report. viii, 647p. 23cm. Springf., State Journal co., 1919.

ILLINOIS, U. S. A. Office of Government Reports. Illinois directory of Federal and State agencies. xlix, 157p. 27cm. Chic., 1942.

[ILLINOIS, U. S. A.] University of Illinois. Publisher of Illinois biological monographs. Also Illinois medical and dental monographs. Also Illinois studies in the social sciences.

[ILLINOIS, U. S. A.] University of Illinois. Alumni Association.

Publisher of Illinois alumni news. Urbana.

[ILLINOIS, U. S. A.] University of Illinois. College of Medicine. Department of Anatomy. Studies. Urbana, v.16-19, 1927-35.

Davis, D. J. The program of the University of Illinois College of Medicine. Bull. Ass. Am. M. Coll., 1926, 1: 11-5. — Cooperation between the College of Medicine of the state university and other state departments in Illinois. J. Ass. Am. M. Coll., 1932, 7: 220-8. — Aims of the University of Illinois College of Medicine. Phi Chi Q., Menasha, 1934, 31: 335-7.—**DeBourcy, H. C., & O'Malley, J. E.** The history of the College of Medicine of the University of Illinois. Ibid., No. 3, 339-44.—**Illinois medical buildings** [illustration] Nu Sigma Nu Bull., 1942, 31: 74.

[ILLINOIS, U. S. A.] University of Illinois. College of Medicine. Department of Pathology and Bacteriology. Collected studies. Urbana, v.6-8, 1922-28.

[ILLINOIS, U. S. A.] University of Illinois. College of Medicine. Department of Pharmacology and Therapeutics. Collected reprints. Urbana, v.2, 1920-23.

[ILLINOIS, U. S. A.] University of Illinois. College of Medicine. Department of Surgery. Collected reprints. Urbana, v.3, 1925.

ILLINOIS, U. S. A.

See also names of cities as **Chicago**, etc.

RAWLINGS, I. D. The rise and fall of diseases in Illinois. 432p. 8°. Springf. [1927]

ZEUCH, L. H. History of medical practice in Illinois. v.1, Preceding 1850. 713p. 23½cm. Chic., 1927.

Bierman, P. Public medical care; Illinois. Med. Care, 1942, 2: 226-9.—**Brandon, R. H.** The state's regional organization for welfare. Illinois Health Mess., 1942, 14: 29-31.—**Camp, H. M.** History of medical practice in Illinois. Illinois M. J., 1942, 81: 85; 171.—**Civilian health promotion urgent.** Illinois Health Mess., 1942, 14: 1.—**Cross, R. R.** How will war affect public health in Illinois? Bull. Chicago M. Soc., 1941-42, 44: 393.—**Holcomb, E. W.** Illinois; climatic summary. Yearb. U. S. Dep. Agr., 1941, 841-51.—**Illinois (The) Consolidation Bill** becomes a law. J. Am. M. Ass., 1917, 68: 869-71.—**Illinois hospital and other institutional facilities and services, 1939.** Vital Statist. Spec. Rep. U. S. Bur. Census, 1941-42, 13: 121-30.—**Illinois marriages** up sharply in 1940. Bull. Chicago M. Soc., 1940-41, 43: 391.—**Jirka, F. J.** Health propaganda and education in Illinois. Health Off., Wash., 1937, 2: 232-6.—**Let the punishment fit the crime.** Illinois Health Mess., 1942, 14: 10.—**McCormack, J. N.** Organization work in Illinois. Illinois M. J., 1907, 40: 176-9.—**More births and fewer deaths.** Illinois Health Mess., 1941, 13: 125.—**Singer, H. D.** Developments in Illinois. Am. J. Insan., 1919-20, 76: 15-20.—**Vital statistics summary, Illinois: 1939.** Vital Statist. Spec. Rep. U. S. Bur. Census, 1940, 10: 1055-87.

ILLINOIS alumni news; University of Illinois Alumni Association. Urbana, v.17, No. 8, 1939—

ILLINOIS (The) arrow. Springf., v.2, No. 2—v.5, No. 1, 1919-22.

ILLINOIS biological monographs. Urbana, Ill., v.1, 1914—

CONTENTS

VOL. 1 (1914-15)

- 1-2. A revision of the cestode family Proteocephalidae. G. R. La Rue.
3. Studies on the cestode family Anoplocephalidae. H. Douthitt.
4. Some North American larval trematodes. W. W. Cort.

VOL. 2 (1915-16)

1. Classification of lepidopterous larvae. S. B. Fracker.
2. On the osteology of some of the Loricati. J. E. Gutberlet.
3. Studies on gregarines. E. Watson.
4. The genus *Meliola* in Porto Rico. F. L. Stevens.

VOL. 3 (1916-17)

1. Studies on the factors controlling the rate of regeneration. C. Zeleny.
2. The head-capsule and mouth-parts of Diptera. A. Peterson.
3. Studies on North American Polystomidae, Aspidogastridae, and Paramphistomidae. H. W. Stunkard.
4. Color and color-pattern mechanism of tiger beetles. V. E. Shelford.

VOL. 4 (1918)

1. Life history studies on Montana trematodes. E. C. Faust.
2. The goldfish (*Carassius carassius*) as a test animal in the study of toxicity. E. B. Powers.
3. Morphology and biology of some Turbellaria from the Mississippi Basin. R. Higley.
4. North American pseudophyllidean cestodes from fishes. A. R. Cooper.

VOL. 5 (1919-20)

1. The skull of *Amiurus*. J. E. Kindred.
2. Contributions to the life histories of *Gordius robustus* Leidy and *Paragordius varius* (Leidy). H. G. May.
- 3-4. Studies on Myxosporidia; a synopsis of genera and species of Myxosporidia. R. Kudo.

VOL. 6 (1920-21)

1. The nasal organ in Amphibia. G. M. Higgins.
- 2-3. Revision of the North American and West Indian species of *Cuscuta*. T. G. Yuncker.
4. The larvae of the Coccinellidae. J. H. Gage.

VOL. 7 (1922-23)

1. Studies on gregarines; synopsis of the polycystid gregarines. M. W. Kamm.
2. The molluscan fauna of the Big Vermilion River, Illinois. F. C. Baker.
3. North American monostomes. E. C. Harrah.
4. A classification of the larvae of the Tenthredinoidea. H. Yuasa.

VOL. 8 (1923-24)

1. The head-capsule of Coleoptera. F. S. Stickney.
2. Comparative studies on certain features of nematodes and their significance. D. C. Hetherington.
3. Parasitic fungi from British Guiana and Trinidad. F. L. Stevens.
4. The external morphology and postembryology of noctuid arvae. L. B. Ripley.

VOL. 9 (1924)

1. The calciferous glands of Lumbricidae and Diplocardia. F. Smith.
- 2-3. A biologic and taxonomic study of the Microsporidia. R. Kudo.
4. Animal ecology of an Illinois elm-maple forest. A. O. Weese.

VOL. 10 (1925-27)

1. Studies on the avian species of the cestode family Hymenolepididae. R. L. Mayhew.
2. Some North American fish trematodes. H. W. Manter.
3. Comparative studies on furcocercous cercariae. H. M. Miller.
4. A comparison of the animal communities of coniferous and deciduous forests. I. H. Blake.

VOL. 11 (1927-28)

1. An ecological study of southern Wisconsin fishes. A. R. Cahn.
2. Fungi from Costa Rica and Panama. F. L. Stevens.
3. The structure and development of *Corallobothrium*. H. E. Essex.
4. Caryophyllacidae of North America. G. W. Hunter, III.

VOL. 12 (1929-34)

1. Morphological studies on the genus *Cercospora*. W. G. Solheim.
2. Morphology, taxonomy, and biology of larval Scarabaeidae. W. P. Hayes.
3. Sawflies of the sub-family Dolerinae of America north of Mexico. H. H. Ross.
4. A study of fresh-water plankton communities. S. Eddy.

VOL. 13 (1934-35)

1. Studies on some protozoan parasites of fishes of Illinois. R. R. Kudo.
2. The papillose Allocradiidae; a study of their morphology, life histories, and relationships. S. H. Hopkins.
3. Evolution of foliar types, dwarf shoots, and cone scales of *Pinus*. C. C. Doak.
4. A monographic rearrangement of Lophodermium. L. R. Tehon.

VOL. 14 (1935-36)

1. Development of the pectoral limb of *Necturus maculosus*. H. K. Chen.
2. Studies on North American Cercariae. E. L. Miller.
3. Studies on the morphology and life history of nematodes in the genus *Spironoura*. J. G. Mackin.
4. The life history of *Cotylophoron cotylophorum*, a trematode from ruminants. H. J. Bennett.

VOL. 15 (1937)

1. Experimental studies on *Echinostoma revolutum* (Froelich) a fluke from birds and mammals. P. C. Beaver.
2. Generic classification of nearctic sawflies. H. H. Ross.
3. Studies on the biology of the crayfish *Cambarus propinquus* Girard. W. C. Van Deventer.
4. Taxonomic studies on the mouth parts of larval Anura. R. J. Nichols.

VOL. 16 (1937-38)

- 1-2. The turtles of Illinois. A. R. Cahn.
3. The phylogeny of the Hemiptera, based on a study of the head capsule. C. S. Spooner.
4. A classification of the larvae and puparia of the Syrphidae of Illinois, exclusive of aquatic forms. E. M. Heiss.

VOL. 17 (1938-40)

1. Comparative studies on trematodes (Gyrodactyloidea) from the gills of North American fresh-water fishes. J. D. Mizelle.
2. The Microthyriaceae. F. L. Stevens & Sister M. Hilaire Ryan.
3. The Branchiobdellidae (Oligochaeta) of North American crayfishes. C. J. Goodnight.
4. Cytological observations on *Endamoeba blattae*. P. A. Meglitsch.

VOL. 18 (1941-42)

1. Generic relationships of the Dolichopodidae (Diptera) based on a study of the mouth parts. Sister Mary Bertha Cregan.
2. Studies on Gregarina blattarum with particular reference to the chromosome cycle. V. Sprague.
3. Territorial and mating behavior of the house wren. S. C. Kendeigh.
4. The morphology, taxonomy, and bionomics of the nemertean genus *Carcinonemertes*. A. G. Humes.

VOL. 19 (1942-)

- 1-2. The ostracods of Illinois; their biology and taxonomy. C. C. Hoff.
3. The genus *Conotrachelus* Dejean (Coleoptera, Curculionidae) in the North Central United States. H. F. Schoof.

ILLINOIS dental journal. Chic., v.1, 1931-
ILLINOIS health messenger; official bulletin of the Illinois State Department of Public Health. Springf., v.1, 1929-

ILLINOIS health news. Springf., 1915-28.
 Continued as **Illinois health messenger.**

ILLINOIS health quarterly. Springf., v.1-5, No. 1, 1929-33.

ILLINOIS Historical Records Survey. Guide to public vital statistics records in Illinois. vii, 138 numb. 1. form. 27½cm. Chic., 1941.

ILLINOIS medical and dental monographs. Urbana, Ill., v.1, No. 2, 1936-

CONTENTS

VOL. 1

2. Studies in infant speech and thought. Pt. 1. Low, A. A. 1936.
3. Classification of yeasts and yeast-like Fungi. Fisher, C. V., & Arnold, L. 1936.
4. Hemophilia, clinical and genetic aspects. Birch, C. L. 1937.

VOL. 2

1. Origin and development of mediastinal and aortic thyroids and the periaortic fat bodies. Kampmeier, O. F. 1937.
2. The general tissue and humoral response to an avirulent tubercle bacillus. Rosenthal, S. R. 1938.
3. The vasomotor system in anoxia and asphyxia. Gellhorn, E., & Lambert, E. H. 1939.
4. Intestinal motility of the dog and man. Puestow, C. B. 1940.

VOL. 3

- 1-2. Origin and development of the lymphatic system in the opossum. Zimmerman, A. A. 1940.

ILLINOIS medical journal. Oak Park, Ill., v.35, 1919-

ILLINOIS State Dental Society.

Bohland, C. B. Illinois State Dental Society. In Hist. Dent. Surg. (Koch, C. R. E.) Chic., 1909, 1: 924-42.—**Illinois**

State Dental Society; directory of membership, 1941-42. *Illinois Dent. J.*, 1941, 10: 395-437.

ILLINOIS State Medical Society.

ILLINOIS, U. S. A. SENATE. An act to incorporate the medical societies; report of the Committee on Salines, January, 1841. 2p. 8°. Chic., 1841.

Bainbridge, W. S. Illinois State Medical Society outing at Starved Rock State Park, Utica, Ill., July 12 and 13, 1916. *Chicago M. Rec.*, 1916, 38.—Camp, H. M. Work of educational committee of the Illinois State Medical Society. *Bull. Am. M. Ass.*, 1934, 29: 36-40. — Illinois State Medical Society; proceedings of the house of delegates, Springfield, May 15-17, 1934. *Illinois M. J.*, 1934, 66: 9-59.—Centennial meeting, Illinois State Medical Society, Peoria, Illinois, May 21, 22, and 23, 1940. *Bull. Chicago M. Soc.*, 1939-40, 42: 675.—Cote, L. Woman's Auxiliary marks progress. *Illinois M. J.*, 1935, 68: 112.—Ensign, W. O. History of medical organization in La Salle county and the La Salle County Illinois Medical Society. *Ibid.*, 1918, 33: 288-92.—Green, D. H. Address. *Ibid.*, 1942, 81: 482.—Hutton, J. H. The relation of the Illinois State Medical Society to 100 years of progress. *Ibid.*, 1940, 77: 565-79.—Illinois State Medical Society; archives era (1840-99). *Ibid.*, 1940, 77: 380-97.—Illinois State Medical Society; eighty-sixth annual meeting, Springfield, Illinois; official program. *Ibid.*, 1936, 69: 388-413.—Johnson, W. An ideal organization of physicians. *Ibid.*, 1919, 35: 301-4.—Kreider, G. N. History of the Illinois State Medical Society; preliminary statement. *Ibid.*, 1918, 34: 158.—Kreuscher, P. H. The Illinois State Medical Society service to medicine. *Ibid.*, 1934, 65: 427-30.—Looking backward from our 99th birthday. *Ibid.*, 1939, 75: 481-7.—Preliminary program of the One Hundred First Annual Meeting Illinois State Medical Society, Chicago, May 20-22, 1941. *Ibid.*, 1941, 79: 276-99: 379-408.—Presidents and secretaries, Illinois State Medical Society, 1840-1940. *Ibid.*, 1940, 77: 406-12; 511; 552; 561; 17 portr.

ILLINOIS studies in the social sciences. Urbana, v.26, No. 2, 1941—

ILLITERACY.

Arroxellas Galvão, A. A escrita dos analfabetos. *Arq. med. leg. ident.*, Rio, 1936, No. 6, 76-81.—Batalla (La) del Ministerio de educación contra el analfabetismo y la incultura. *Policía secr. nac.*, Habana, 1942, 10: 197-200.—Embrece, E. R. Illiteracy. *Britan. Bk* 1942, 341.—How illiterate are we? *Statist. Bull. Metrop. Life Insur.*, 1942, 23: No. 6, 1-3. Also Philadelphia M., 1942-43, 38: 606.—Illiteracy in the United States. *School & Soc.*, 1918, 7: 371.—Patiño Arca, W. Qual es el grado de analfabetismo en el Perú? *Rev. mil. Perú*, 1942, 39: 459-64.—Preliminary illiteracy tables from the 1920 census. *School & Soc.*, 1921, 14: 466-8.—Talbot, W. Illiterate adults; our growing population that reads and writes in other languages or none at all. *Sc. American*, 1920, 123: 566; 580.—Vasconcellos, A. de. Lucta contra o analfabetismo. *Brasil med.*, 1922, 36: pt 2, 222.

ILLNESS.

See Disease.

ILLOWAY, Henry, 1848-1932. Summer diarrhoeas of infants; their etiology, pathology, and treatment. 150p. 16°. N. Y., E. R. Pelton, 1904.

For biography see Kagan, S. R. *Hebrew M. J.*, N. Y., 1939, 1: 175. Also *Med. Life*, N. Y., 1934, 41: 617-9.

ILLUMINANT.

See also under names of illuminants as Gas, illuminating; also Fluorescence; Illumination; Lamp; Light; Luminescence; Phosphorescence; Radioactivity, etc.

Beese, N. C., & Marden, J. W. The fatigue effect in luminescent materials. *J. Optic. Soc. America*, 1942, 32: 317-23.—Bowen, E. J. Light and light sources. In his *Chem. Aspects of Lights*, Oxf., 1942, 34-44.—Dushman, S. The search for high efficiency light sources. *J. Optic. Soc. America*, 1937, 27: 1-24.—Ferree, C. E., & Rand, G. Uses and needs of variable illumination and a convenient device for obtaining it. *J. Gen. Psychol.*, 1936, 14: 473-87.—Graff, J. H. Illuminator. U. S. Patent Off., 1939, No. 2,144,653.—Hahn, W. Die neuesten Fortschritte in der Lichterzeugung; höhere Beleuchtungsstärken ohne Mehrkosten. *Zschr. kr. Krankenhäusw.*, 1938, 551.—Kennzeichnung leuchtender Hohlkörper. *C. rend. Com. internat. éclair.*, 1935, 9. sess., 323-8.—Kögel, G. Ideale Zukunftsbeleuchtung; 65%ige Ausnutzung der Energie; der technische Leuchtkefer. *Umschau*, 1930, 34: 263.—Linke, F. Die natürlichen Lichtquellen und ihre Wirkung auf die organische Welt. *Kongrber. Internat. Kongr. Lichtforsch.*, 1936,

3. Congr., 41-6. Also *Strahlentherapie*, 1937, 60: 294-8.—Macbeth, N. Color temperature classification of natural and artificial illuminants. *Tr. Illum. Engin. Soc.*, 1928, 23: 302-24.—Nickerson, D. The illuminant in color matching and discrimination; how good a duplicate is one illuminant for another? *Illum. Engin.*, Balt., 1941, 36: 373-99.—Potter, W. M., & Meaker, P. Luminous architectural elements. *Tr. Illum. Engin. Soc.*, 1931, 26: 1025-60, 14 pl.—Riehl, Leuchtstoffe; Leuchtanstriche. *Arbeitsschutz*, 1940, 69-72.—Robinson, E. H. Alternate materials for luminaries. *Illum. Engin.*, Balt., 1942, 37: 691-9.—Tscherning, M. La couleur des corps incandescents. *Acta ophth.*, Kbh., 1927, 5: 298-307.—Vaudet, M. Etude et emploi d'une source lumineuse de grande brillance. *Ann. phys. Par.*, 1938, 11. ser., 9: 645-722.—Wendt, H. Eine neue künstliche Lichtquelle. *Umschau*, 1936, 40: 851-4.—Wohlauer, A. A. Efficiency of asymmetrical light sources. *Tr. Illum. Engin. Soc.*, 1928, 23: 551-9.—Wreschner, M. Lichtquellen für wissenschaftliche Zwecke. In *Handb. biol. Arbeitsmeth.* (Abderhalden, E.) Berl., 1938, Abt. 5. T. 10. Bd 4: 1235-61.

ILLUMINATING engineering; including Transactions of the Illuminating Engineering Society. Balt., v.35, 1940—

Prior to 1940 called Transactions of the Illuminating Engineering Society.

ILLUMINATION.

See also Illuminant; Light; Shadow; Vision; also under names of establishments and places illuminated as Factory, Lighting; Habitation, Lighting; Hospital construction, Lighting; Operating room; Street, etc.

Bard, O. W., Bunn, B. R. [et al.]. This year's progress in lighting. *Tr. Illum. Engin. Soc.*, 1938, 33: 918-63.—Bobek, F. Beleuchtung für Spezialzwecke. *Umschau*, 1926, 30: 898-900.—De Bard, D. M. England; its lighting in wartime; excerpts from review. *Illum. Engin.*, Balt., 1942, 37: 411-6.—Ferree, C. E., & Rand, G. Wartime lighting. *Personnel J.*, 1942-43, 21: 68; passim.—Greenwood, J. I. Bibliography on illumination. *Tr. Illum. Engin. Soc.*, 1931, 26: 611.—Harrison, W. War Production [Board] rulings as they affect the [lighting] industry. *Illum. Engin.*, Balt., 1942, 37: 814-7.—Imbs, E. Les progrès de l'éclairage. *Rev. sc. Par.*, 1928, 66: 302-16.—Lighting development activities. *C. rend. Com. internat. éclair.*, 1935, 9. sess., 651-66.—Luckiesh, M. Contributions of science to the lighting art. *Science*, 1927, 65: 531-5.—Modernas aplicações da luz artificial. *Impr. mod.*, Rio, 1941, 17: No. 330, 129-32.—Moos, H. Das Berliner Lichthaus. *Zbl. Gewerbehyg.*, 1926, n. F., 3: 39-45.—Owings, N. A. The illuminating engineer and the architect. *Illum. Engin.*, Balt., 1942, 37: 369-76.—Paterson, C. C. Science and electric lighting. *Rep. Brit. Ass. Advance. Sc.*, 1936, 478-87.—Powell, A. L. A decade of modern lighting—some random thoughts. *Tr. Illum. Engin. Soc.*, 1936, 31: 819-26.—Ramsey, S. Lighting as a more exact science. *Canad. M. Ass. J.*, 1937, 37: 253-6.—Reynolds, R. Lighting and illumination. *Army M. Bull.*, Carlisle, 1935, 50: 15-26.—Row, H. Lighting. *J. Indiana M. Ass.*, 1935, 28: 486-8.—Salomon, A. En marge de l'exposition de Paris 1937; aperçus historiques sur l'éclairage. *Sciences. Par.*, 1938, 66: 97-103.—Weitz, C. E. Steps of progress; report of the I. E. S. Committee on Progress. *Illum. Engin.*, Balt., 1941, 36: 990-1029.—Year's (The) progress in illumination, 1926-27. *Tr. Illum. Engin. Soc.*, 1927, 22: 689-824.

Artificial daylight.

Artificial daylight. *C. rend. Com. internat. éclair.*, 1935, 9. sess., 561-4.—Foerster. Ein neues Leuchtgerät mit Tageslichtcharakter. *Deut. med. Wschr.*, 1926, 52: 663.—Gage, H. P., & Macbeth, N. Filters for artificial daylighting, their grading and use. *Tr. Illum. Engin. Soc.*, 1936, 31: 995-1022.—Influence of room-colours on daylight illumination of interiors. *C. rend. Com. internat. éclair.*, 1935, 9. sess., 555-60.—Nickerson, D. Artificial daylighting for color grading of agricultural products. *J. Optic. Soc. America*, 1939, 29: 1-9.—Artificial daylighting studies. *Tr. Illum. Engin. Soc.*, 1939, 34: 1233-53.

Congresses and societies.

BALTIMORE. ILLUMINATING ENGINEERING SOCIETY. Transactions. Balt., v. 7, No. 34, 1912-39. [INTERNATIONAL] COMMISSION INTERNATIONALE DE L'ÉCLAIRAGE. 9. Sess., Berlin et Karlsruhe (1935) Compte rendu des séances. 679p. 23½cm. Camb., 1937.

Brown, W. C. The Illuminating Engineering Society in wartime. *Illum. Engin.*, Balt., 1942, 37: 623-6.—Illuminating engineering; including Transactions of the Illuminating Engineering Society. *Ibid.*, 1940, 35: 297.—Illuminating (The) Engineering Society, Wartime Lighting Conference. *Ibid.*, 1942, 37: 546-50.—National Better-Light-Better-Sight Bureau announces 1940 program. *J. Am. Optomet. Ass.*, 1939-40, 11: 229.—Paul, M. R. Joint session with Inter-Society Color

Council; opening remarks. *Illum. Engin., Balt., 1941, 36: 293.*—**Réunion** du Comité de la classification de la distribution du flux lumineux. *C. rend. Com. internat. éclair., 1935, 9. sess., 81-3.*—**Réunion** du Comité des définitions et symboles. *Ibid., 46-9.*—**Réunion** du Comité de l'éclairage architectural. *Ibid., 101.*—**Réunion** du Comité de l'éclairage du jour et de l'éclairage du jour artificiel. *Ibid., 124-6.*—**Réunion** du Comité de l'éclairage des usines et des écoles. *Ibid., 98-100.*—**Réunion** du Comité de l'enseignement de l'éclairage. *Ibid., 140-4.*—**Réunion** du Comité d'études des matériaux diffusants. *Ibid., 76-80.*—**Réunion** du Comité d'études sur la photométrie des tubes à décharge lumineuse. *Ibid., 55-7.*—**Réunion** du Comité d'études du vocabulaire. *Ibid., 42-5.*—**Réunion** du Comité des plaques d'essais photométriques. *Ibid., 62-5.*—**Réunion** du Comité sur la pratique de l'éclairage. *Ibid., 145-7.*—**Weitz, C. E.** Report of the Illuminating Engineering Society Committee on Progress. *Illum. Engin., Balt., 1942, 37: 655-90.*

— direct.

Ketch, J. M., & Gianini, L. G. Engineering aspects of direct lighting; transmitting systems. *Tr. Illum. Engin. Soc., 1939, 34: 411-26.*—**Ketch, J. M., & LaWall, G. R.** Engineering aspects of direct lighting; louvered systems. *Ibid., 1938, 33: 545-65.*—**Reibmayr, H.** Beleuchtungsverhältnisse bei direktem Hochlicht. *Arch. Hyg., Münch., 1906, 58: 171-206.*

— Equipment.

See also Illuminant; Lamp.

Portable lighting set. *Lancet, Lond., 1940, 1: 439.*—**Schafraunova, A. S.** Versuch einer Beurteilung verschiedener Lichtfilter bei industriellen Strahlungsquellen. *Arch. Hyg., Münch., 1934, 112: 245-59.*—**Specifications** for testing lighting equipment; luminaries for general lighting. *Illum. Engin., Balt., 1940, 35: 267-75.*—**Weitz, C. E.** Lighting equipment. *Ibid., 1942, 37: 684-8.*

— fluorescent.

See also Fluorescence.

Caverly, D. P. Improved illumination for textile operations with fluorescent lamps. *Illum. Engin., Balt., 1941, 36: 489-93.*—The application of high-voltage fluorescent tubing to lighting problems. *Ibid., 1298-313.*—**Chanon, H. J., & Barr, A. C.** Some engineering aspects of lighting from cold-cathode fluorescent sources. *Ibid., 1942, 37: 769-88.*—**Cleaver, O. P.** Notes on the effect of fluorescent lighting on certain pigments. *Ibid., 1940, 35: 795-808.*—**Franck, K.** Performance evaluation of fluorescent units. *Ibid., 1942, 37: 217-28.*—**Greenberg, B. F.** Cost analysis of fluorescent vs incandescent lighting installations. *Ibid., 165-70.*—**Karsner, H. T.** Fluorescent lighting in the laboratory of pathology. *J. Techn. Meth., Toronto, 1941, No. 21, 26-33.*—**Taylor, G. J.** Lighting large factory areas with fluorescent lamps. *Illum. Engin., Balt., 1941, 36: 1414-61.* Also *Bull. Hyg., Lond., 1942, 17: 376* (Abstr.)—**Winkler, F. C.** Fundamental facts of fluorescent fixture design. *Illum. Engin., Balt., 1942, 37: 229-47.*

— Hygiene.

See also **Eye**, Effect of chemical and physical agents; **Eye**, Hygiene; **Eyestrain**; **Glare**; **Reading**; **Vision**.

BRUGÈRE, A. *L'œil et la lumière électrique. 48p. 8°. Par., 1936.

HOLTZMANN, SCHNEIDER, L. [et al.] Die Bedeutung der Beleuchtung für Gesundheit und Leistungsfähigkeit. 53p. 8°. Berl., 1928.

RENARD, A. Eclairage moderne et hygiène. 224p. 8°. Par., 1933.

Bankhead, M. J. Light for accident reduction. *Illum. Engin., Balt., 1940, 35: 514-22.*—**Bette, C.** L'hygiène de l'œil et l'éclairage. *Bull. Soc. belge opt., 1928, No. 57, 68-78.*—**Blaydes, J. E.** A few points in connection with lighting and seeing. *West Virginia M. J., 1935, 31: 352-6.*—**Boege.** Hygienische Beobachtungen über die Beleuchtung von Wohn- und Arbeitsräumen. *Gesundheit, 1909, 34: 385; 417.*—**Borges de Sousa, A.** Visión; iluminación; civilización. *Rev. españ. med. cir., 1935, 18: 70-5.*—**Cannell, D., Adams, E. Q., & Forbes, J. C.** A new means of minimizing radiant heat from high level lighting systems. *Tr. Illum. Engin. Soc., 1939, 34: 726-37.*—**Clerici, C.** Tecnica sanitaria ed illuminazione. *Atti Congr. internaz. tecn. san., 1931, 2. Congr., 2: 373-81.*—**Escard, J.** Sur les avantages et les inconvénients des différents systèmes d'éclairage au point de vue de l'hygiène et de la sécurité. *Rev. sc., Par., 1910, 5. ser., 13: 367-9.*—**Ferree, C. E., & Rand, G.** Lighting and the hygiene of the eye. *Arch. Ophth., Chic., 1929, n. ser., 2: 1-26.*—Examination and care of the eye in relation to lighting. *Ibid., 1937, 17: 78-103.*—Prescribing light; an important factor in the care and treatment of the eye. *Brit. J. Ophth., 1938, 22: 641-69.*—**Gariel.** L'éclairage électrique dans ses rapports avec l'hygiène. *Bull. Soc. méd. pub., Par., 1892, 15: 18-28.*—**Harrison, W., & Luckiesh, M.** Comfortable lighting. *Illum. Engin., Balt., 1941, 36: 1109-28.*—**Julian, M. J.** A light-prescribing program. *Lect. Am. Optometr. Ass. (1935) 1936,*

38. Congr., 99-103.—**Lancaster, W. B.** The ophthalmologist and the lighting problems of his patients. *Arch. Ophth., Chic., 1932, 8: 1-8.*—Illumination levels and eye comfort conditions. *Sightsav. Rev., 1938, 8: 163-73.* Also *Tr. Illum. Engin. Soc., 1938, 33: 964-77.*—Lighting in relation to ophthalmology. *Proc. Postgrad. Course Ophth. George Washington Univ., 1939, 3: 79-100.*—**Lebensohn, J. E.** What light for the eyes? *Hygeia, Chic., 1937, 15: 974; 1006.*—**Lee, R. H., & Neal, P. A.** The importance of adequate illumination. *Illum. Engin., Balt., 1941, 36: 663-70.*—**Logan, H. L.** The anatomy of visual efficiency. *Ibid., 1057-108.*—**Luckiesh, M., & Moss, F. K.** The human seeing-machine. *Tr. Illum. Engin. Soc., 1932, 27: 699-724.*—Lighting for seeing. *Commonwealth, Bost., 1935, 22: 111; 1938, 25: 143.*—Prescribing light and lighting. *Tr. Illum. Engin. Soc., 1937, 32: 19-60.*—Light, vision, and seeing. *Indust. M., 1938, 7: 636-43.*—Illumination and visual efficiency. *Am. J. Optometr., 1942, 19: 5-15.*—**Marshutz, H. S.** The lighting industry tells the eye story. *Optic. J., 1941, 78: No. 9, 20.*—**Meisner, W.** Licht und Auge. *Umschau, 1936, 40: 841.*—**Michaux, A.** L'électricité et nos yeux. *Ann. Inst. chir. Bruxelles, 1933, 34: 149-57.*—**Moeller.** La question de l'éclairage au point de vue hygiénique. *Mouvement hyg., Brux., 1911, 27: 389-94.*—**Pine, H. E.** The optometrist and the lighting problem. *J. Am. Optometr. Ass., 1937-38, 9: 250-3.*—Plenty of light to save the eyes. *Nurs. Times, Lond., 1940, 36: 833.*—Report of the Illuminating Engineering Society committee on light, radiation and health, 1932-33. *C. rend. Com. internat. éclair., 1935, 9. sess., 622-4.*—**Sharp, H. M.** Radiant temperatures from lighting systems with comfort correlations. *Illum. Engin., Balt., 1940, 35: 809-32.*—**Sheard, C.** On the effects of quantity and quality of illumination upon the human eye and vision. *Am. J. Physiol. Optics, 1924, 5: 468-85.*—**Sturrock, W., & Walker, J. H.** The heating effect of artificial lighting. *Tr. Illum. Engin. Soc., 1934, 29: 23-46.*—**Tinker, M. A.** Hygienic illumination. *Am. Interne, 1936, 1: No. 2, 9-12.*—**Vaughan, M. S.** Lighting as an aid to health maintenance. *Hosp. Social Serv., 1932, 26: 395.*—**Wells, W. F.** Healthful lighting. *Commonwealth, Bost., 1938, 25: 145-7.*—**Yanes, T. R.** La prescripción de luz. *Rev. cubana oftalmol., 1937, 6: 5-23.*

— indirect.

Aldrich, T. H., & Matia, J. P. Indirect illumination of the general offices of a large company. *Tr. Illum. Engin. Soc., 1914, 9: 103-37.*—**Friedberger, E., & Callerio, C.** Zur künstlichen, indirekten Beleuchtung von Wohn- und Arbeitsräumen. *Arch. Hyg., Münch., 1931, 106: 241-8.*—**Harrison, W.** Indirect luminaires; efficient and inefficient. *Tr. Illum. Engin. Soc., 1939, 34: 255-70.*

— industrial.

See also **Factory**, Lighting; also under names of industrial occupations.

AUZELOUX, J. *Les conditions physiologiques de l'éclairage artificiel dans les ateliers. 86p. 24cm. Par., 1939.

American recommended practice of industrial lighting. *Illum. Engin., Balt., 1942, 37: 275; 279.*—**Brainerd, A. A., & Denning, M.** Improved vision in machine tool operations by color contrast. *Ibid., 1941, 36: 1397-413.*—**Dates, H. B.** Studies in lighting of intricate production, assembly and inspection processes. *Tr. Illum. Engin. Soc., 1937, 32: 1019-53.*—**Ferree, C. E., & Rand, G.** Care needed in lighting. *Personnel J., 1935-36, 14: 323-6.*—Better lighting for workers. *Ibid., 1936-37, 15: 207-13.*—Work and its illumination. *Ibid., 1940-41, 19: 55; 93.*—**Gaetiens, A. K.** Lighting maintenance in war industry plants. *Illum. Engin., Balt., 1942, 37: 403-10.*—**Kammerer, E.** Lighting and efficiency. *J. Indust. Hyg., 1941, 23: Suppl., 161* (Abstr.)—**Kuhn, H.** Die elektrische Beleuchtung laufender Bänder; Ergebnisse psychotechnischer Wirklichkeitsversuche zum Thema: Lichtwirtschaft und Fließarbeit. *Arbeiterschutz, 1927, 3: 240-2.*—**Loriga, G.** L'illuminazione artificiale ed i raggi ultravioletti. *Rass. med. lavoro indust., 1931, 2: 194-9.*—**Palmer, R. A.** How good lighting can contribute to safety. *Illum. Engin., Balt., 1940, 35: 361-71.*—**Researches** on industrial lighting; report on lighting in the fluid milk division of the dairy industry; submitted by the Committee on Lighting Practice of the Illuminating Engineering Society. *Ibid., 1942, 37: 561-78.*—**Schaeffer, H. F.** De l'éclairage rationnel d'une table de travail. *Rev. hyg., Par., 1926, 48: 727-32.*—**Tuck, D. H.** Protective lighting for American industry. *Illum. Engin., Balt., 1941, 36: 741-51.*—**Zolog, M.** [External conditions and industrial production] *Cluj. med., 1926, 7: 418-21.*

— Institutes, offices, and public buildings.

See also under the names of types of public building as **School**, Lighting, etc.

Adams, J. M. Office lighting. *Med. Bull. (Standard Oil Co.) N. Y., 1939-41, 4: 75-86.*—**Bazan, F., & Bayley Bustamante, G.** La iluminación de las aulas en los colegios nacionales; su estudio experimental. *Bol. san., B. Air., 1938, 2: 765-71.*—**Chapman, W. E.** Artificial lighting of typical offices in State, War, and Navy Department Building. *Tr. Illum. Engin. Soc., 1915, 10: 651-8.*—**Curtis, A. D., & Stair, J. L.** Recent depart-

tures from usual lighting practice in public spaces and offices. *Ibid.*, 1921, 16: 551-73.—**Graves, L. H.** Lighting without fixtures in the house of worship. *Ibid.*, 1930, 25: 826-34, 12 pl.—**James, L. V.** Office lighting trends. *Ibid.*, 1936, 31: 598-604.—**Kraehenbuehl, J. O.** Functional lighting in college. *J. Lancet*, 1941, 61: 486-93. Also *Sightsav. Rev.*, 1941, 11: 13-31, pl.—**Mensing, P.** Richtige Beleuchtung im Büro. *Zbl. Gewerbehyg.*, 1939, n. F., 16: 236-8.—**Nešić, D. P.** Beogradsko električno osvetljenje naših stolova pri večernjem radu. *Srpski arh. celok. lek.*, 1940, 10: 413; 481.—**Powell, A. L., & Oday, A. B.** Present practice in the lighting of armories and gymnasia with tungsten filament lamps. *Tr. Illum. Engin. Soc.*, 1915, 10: 746-65.—**Powell, A. L., & Parker, E.** The lighting of public buildings. *Ibid.*, 1921, 16: 533-650.—**Rambush, E.** Some fundamental principles of church illumination. *Ibid.*, 1927, 22: 497-508, 4 pl.—**Sankaran, G., & Mullick, D. N.** Available light in a public building. *Ind. M. Gaz.*, 1941, 76: 556-8.—**Stair, J. L.** Art and utility in church lighting. *Tr. Illum. Engin. Soc.*, 1927, 22: 477-96, 16 pl.—**Weisse, E.** Mit weniger Kosten besser beleuchten! *Zschr. ges. Krankenhauswes.*, 1929, 25: 414-6.—**Whipple, R. R.** Artificial illumination for the preschool laboratory. *Child Develop.*, 1934, 5: 97-106.

— Measurement.

See also **Photometry.**

Atkins, W. R. G., & Poole, H. H. The photo-electric measurement of the illumination in buildings. *Sc. Proc. R. Dublin Soc.*, 1928-29, 19: 173-87.—**Barr, E. S., & Scott, L. B.** A method of preparing strips with uniformly varying blackening. *Rev. Sc. Instrum.*, 1942, 13: 533.—**Barros Barreto, J. de.** Praticas de photometria nos locais de trabalho. *Fol. med.*, Rio., 1926, 7: 39-41.—**Benford, F.** A true-area photometric distribution curve. *J. Optic. Soc. America*, 1942, 32: 307.—**Blondel, A.** Sur les mesures de la brillance par diffusion. *C. rend. Com. internat. éclair.*, 1935, 9, sess., 171-3.—**Dows, O. L.** Illumination measurements with light-sensitive cells. *Illum. Engin.*, Balt., 1942, 37: 103-12.—**Allen, C. J.** The light-meter and its uses. *Tr. Illum. Engin. Soc.*, 1936, 31: 675-84.—**Greenberg, B. F.** A device for the determination of illumination. *Illum. Engin.*, Balt., 1940, 35: 629-35.—**Herman, N. B.** A photometer for the use of school doctors. *Brit. M. J.*, 1911, 2: 1177. Also *School Hyg.*, Lond., 1912, 3: 24-7.—**Johnson, L. B.** Photometry of gaseous-conduction lamps. *Tr. Illum. Engin. Soc.*, 1937, 32: 646-57 [Discussion] 657-64.—**Jones, B.** Brightness. *Ibid.*, 1920, 15: 723-68.—**Kaz, R.** Die physiologische Photometrie in ihren drei Varietäten: individuelle, professionelle und differenzielle Photometrie; Gesetz des Lichtbedarfs. *Zschr. Psychol. Physiol. Sinnesorg.*, 1914, 49: 2. Abt., 14-7.—**Koch, C.** Beleuchtungsmessung. *Arbeiterschutz*, 1935, 245-8.—**Nussbaum, H. C.** Dr. Walther Thorner's Beleuchtungsprüfer. *Gesundh.-Ingenieur*, 1908, 31: 372-5.—**Pels-Leusden, F.** Bestimmung von Elevations- und Öffnungswinkel mit dem Weberischen Raumwinkelmesser. *Munch. med. Wschr.*, 1928, 75: 2032.—**Pfeiffer, E.** Ueber eine schnelle Methode zur Prüfung der Lichtstärke auf den Arbeitsplätzen in Schulen, Bureaux und Werkstätten. *Ibid.*, 1902, 49: 926.—**Schütz, F., & Linde, G.** Ueber Lichtmessungen in Schulen und Verkehrsmitteln. *Zschr. Hyg.*, 1933, 115: 315-41.—**Taylor, A. H.** Brightness and brightness meters. *Illum. Engin.*, Balt., 1942, 37: 19-30, 425.—**Uglov, A. V., & Bashatan, F. A.** [Electrometric measurement of lighting] *Gig. epidem.*, 1929, 8: 5-10.—**Weaver, K. S.** Use of Rousseau diagram for the calculation of light flux distribution. *Tr. Illum. Engin. Soc.*, 1927, 22: 547-69.—**Wingen, A.** Die verschiedenen Methoden der Helligkeitsprüfung. *Gesundh.-Ingenieur*, 1904, 27: 153-9.

— medical.

See also such headings as **Cystoscopy; Electrotherapy; Endoscopy; Ophthalmology; Instruments; Phototherapy, etc.**

Balkam, H. H. Modern illumination; its application in medicine and surgery. *Long Island M. J.*, 1928, 22: 441-8.—**Blondel, A.** Sur la mesure de la brillance des surfaces diffusantes. *C. rend. Acad. sci.*, 1928, 186: 1487-91.—**Delivered** illumination aids surgical vision. *Surg. Equip.*, 1934, 1, 5: 6; 1935, 2, 6: 14.—**Engineering (Am)** analysis of dental office lighting, by the Dental Lighting Committee, Southern California Section, Illuminating Engineering Society. *Illum. Engin.*, Balt., 1941, 36: 475-88.—**Erikson, C. A.** New lights for old. *Mod. Hosp.*, 1934, 42: 61.—**Excellent** lighting for surgeon and obstetrician. *Surg. Equip.*, 1941, 8: No. 2, 16.—**Gray, A. D.** A simple, inexpensive power unit for electrically lighted surgical instruments. *J. Am. M. Ass.*, 1923, 81: 1100.—**Herzberg.** Demonstration eines sterilisierbaren Universal-Beleuchtungsinstrumentes. *Arch. klin. Chir.*, 1924, 133: 195.—**Illumination**, foot candles, lumens. *Surg. Equip.*, 1934, 1, 1: 16.—**Imbert, L.** Batterie électrique légère pour éclairage médical. *Montpellier méd.*, 1902, 2, ser., 15: 1241-4.—**Elektrisches Element** zur medizinischen Beleuchtung. *Zbl. Krankh. Harn. Sexorg.*, 1903, 14: 635-7.—**Langemak.** Ein beweglicher Beleuchtungsapparat. *Munch. med. Wschr.*, 1909, 56: 611.—**Laqueur, A.** Bemerkungen über die verschiedenen künstlichen Lichtquellen in der Praxis. *Strahlentherapie*, 1930-31, 39: 643-9.—**Liebermann, L.** Einige prak-

tische Beleuchtungsapparate für Klinik und Sprechzimmer. *Klin. Mbl. Augenh.*, 1928, 80: 90-3.—**Light** where the surgeon needs it. *Surg. Equip.*, 1940, 7: 2.—**Mulert.** Zur Verbesserung des elektrischen Lichts für ärztliche Untersuchungs-zwecke. *Munch. med. Wschr.*, 1904, 51: 616.—**Ockel, G.** Eine einfache Beleuchtungsvorrichtung für die Aussenpraxis. *Ibid.*, 1926, 73: 1847.—**Passing (The)** of the skylight. *Surg. Equip.*, 1934, 1, 2: 14.—**Rüttenauer, A.** Die Entwicklung neuer künstlicher Lichtquellen. *Strahlentherapie*, 1931, 40: 709-16.—**Schrotter.** Eine neue Beleuchtungsart von Kanälen und Höhlen. *Berl. klin. Wschr.*, 1906, 43: 1501.—**Selecting** the modern surgical light. *Surg. Equip.*, 1935, 2, 4: 18.—**Shattinger, C.** Demonstration of a new portable and universal incandescent light apparatus. *Week. Bull. S. Louis M. Soc.*, 1909, 3: 413.—**Surgery's** primary need—adequate vision. *Surg. Equip.*, 1934, 1, 4: 10.—**Surg-o-ray**, the light of a hundred uses. *Ibid.*, 1941, 8: No. 5, 16.

— Military aspect.

See also **Aviation; Blackout; Camouflage; Wounded, Transportation, etc.**

Biggam, J. The principles of adequate artificial illumination. *J. R. Army M. Corps*, 1937, 69: 73; 145.—**Crowther, F. D.** Outdoor lighting for defense. *Mil. Engineer*, 1941, 33: 377-80.—**Furuya, G.** Study concerning the visual power and the refraction of Japanese naval engineering cadets with an investigation of the illumination efficiency of the study-room at night. *Bull. Nav. M. Ass.*, Tokyo, 1938, 27: No. 5, 1.—**Muffang, G. E. P. H.** L'éclairage électrique dans les bâtiments militaires. *Rev. Serv. san. mil.*, Par., 1936, 105: 457-80.—**Pflugmacher.** Etude préliminaire sur l'éclairage dans le service sanitaire de l'avant. *Rev. internat. Croix Rouge*, 1936, 18: 971-87.—**L'éclairage** dans le service sanitaire de l'avant. *Ibid.*, 1938, 20: 5-33, ch.—**Pipes, H. F.** Simple auxiliary lighting outfit. *Mil. Surgeon*, 1933, 72: 228.

— municipal.

See also **Highway; Signal; Street; Traffic.**

Brugnon. Note sur l'éclairage des routes; éclairage avec lampes à incandescence. *Techn. san. mun.*, Par., 1934, 29: 275-7.—**Code** of highway lighting; prepared by the committee on street and highway lighting of the Illuminating Engineering Society, 1936. *Tr. Illum. Engin. Soc.*, 1937, 32: 141-60.—**Fleury, J.** L'orientation et la largeur des rues en fonction de l'éclairage. *Techn. san. mun.*, Par., 1936, 31: 159-65.—**Gunnison, F.** Architectural lighting of public buildings. *Tr. Illum. Engin. Soc.*, 1932, 27: 261-4.—**Humery, R.** Eclairage et accidents. *Techn. san. mun.*, Par., 1935, 30: 304-6.—**Insolation** and natural and artificial lighting in relation to housing and town-planning. *Bull. Health Org. League of Nat.*, 1938, 7: 581-607.—**Karsten, A.** Natriumdampfampen und ihre Verwendung für Kraftfahrbahnen und Tunnels. *Techn. Gemeindebl.*, 1934, 37: 13-6.—**Lecornu, L.** Sur l'éclairage des routes. *C. rend. Acad. sci.*, 1934, 198: 1284.—**Merry-Cohu.** L'éclairage des voies, espaces libres et monuments, en 1935. *Techn. san. mun.*, Par., 1935, 30: 300.—**Reeder, E. J.** Lighting the highways for safety. *Tr. Illum. Engin. Soc.*, 1936, 31: 746-52.—**Reid, K. M., & Chanon, H. J.** Studies in fundamentals of highway lighting. *Ibid.*, 119-62.—**Determination** of visibility on lighted highways. *Ibid.*, 1937, 32: 187-207.—**Sweet, A. J.** Fundamentals of rural highway lighting. *Ibid.*, 1936, 31: 481-507.

— natural.

See **Night; Sunlight.**

— Pathological effects.

See also **Accidents, industrial; Causes; Light, Pathology.**

Boussi, P. Actions des rayons solaires et de la lumière artificielle sur l'œil. *J. méd. Paris*, 1927, 46: 231-3.—**Bushman, L. B.** Illumination and headache (a demonstration of lighting methods) *Nebraska M. J.*, 1933, 18: 424.—**Fischer, F. P., Vermeulen, D., & Eymers, J. H.** [Injuries to the eyes in relation to quality and quantity of light] *Ned. tschr. geneesk.*, 1935, 79: 5500.—**Heinrich, H. W.** Illumination. In his *Indust. Acid. Prev.*, 2. ed., N. Y., 1941, 297-313.—**Hertel, E., & Henker, O.** Ueber die Schädlichkeit und Brauchbarkeit unserer modernen Lichtquellen. *Arch. Ophth., Lpz.*, 1909-10, 73: 590-613, pl.—**Lancaster, W. B.** Ocular symptoms of faulty illumination. *Am. J. Ophth.*, 1932, ser. 3, 15: 783.—**Luckiesh, M., & Moss, F. K.** Fatigue of the extrinsic ocular muscles while reading under sodium and tungsten light. *J. Optic. Soc. America*, 1935, 25: 216.—**Relation** of illumination to ocular efficiency and ocular fatigue; report on studies made in the Chicago Post Office. *Pub. Health Rep.*, Wash., 1929, 44: 404.—**Süles, W. S., & Crawford, B. H.** The effect of a glaring light source on extrafoveal vision. *Proc. R. Soc., Lond.*, 1937, ser. B, 122: 255-80.

— Psychological aspect.

See also **Eyestrain; Vision.**

WESTON, H. C. The effects of conditions of

artificial lighting on the performance of worsted weavers. 38p. 24 $\frac{1}{2}$ cm. Lond., 1938.

Bourdiere, F. L'éclairage: ses lois et leur influence sur l'acuité lumineuse. Sem. hôp. Paris, 1927, 3: 41-5.—**Faillie, R., & Martinot-Lagarde.** Etude de l'influence de l'éclairage sur la précision des mouvements au cours du travail professionnel. C. rend. Acad. sc., 1929, 188: 1446-9.—**Fernberger, S. W., Viteles, M. S., & Carlson, W. R.** The effect of changes in quality of illumination upon visual perception. J. Appl. Psychol., 1934, 18: 611-7.—**Ferree, C. E., & Rand, G.** The transition from day to night lighting. Personnel J., 1932, 11: 237-54.—The effect of intensity of illumination on the near point of vision and a comparison of the effect for presbyopic and non-presbyopic eyes. Tr. Illum. Engin. Soc., 1933, 28: 590-611.—The effect of intensity of illumination in relation to the eye. Illum. Engin., Balt., 1942, 37: 579-95.—**Lewis, E. F.** Age as an important factor in the amount of light needed by the eye. Arch. Ophth., Chic., 1935, 13: 212-26.—**Hecht, S.** The relation between visual acuity and illumination. J. Gen. Physiol., 1927-28, 11: 255-81.—**Helson, H.** The effects of quality and intensity of illumination and reflectance of background on lightness and saturation as shown by analysis of variance technique. Psychol. Bull., 1941, 38: 610.—**Heuven, J. A.** [Lighting and acuity of vision] Ned. tschr. geneesk., 1936, 80: 5502-13.—**Kravkov, S. V.** [Relation between acuity of vision and lighting] Vest. of., 1938, 12: 525-31.—**Landis, C., & Vinacke, W. E.** The discrimination of color and form at levels of illumination below conscious awareness. Fed. Proc., Balt., 1942, 1: pt 2, 48 (Abstr.).—**Liese, W.** Beleuchtungsstärke, Kontrast und Schärfe. Arch. Hyg., Münch., 1930, 104: 156-65.—**Luckiesh, M., & Moss, F. K.** Lighting plus vision equals seeing. Tr. Illum. Engin. Soc., 1930, 25: 807-25.—Seeing in sodium-vapor light. J. Optic. Soc. America, 1934, 24: 5-13.—Seeing in tungsten, mercury, and sodium lights. Tr. Illum. Engin. Soc., 1936, 31: 655-74.—**Lythgoe, R. J.** Illumination and vision. Practitioner, Lond., 1938, 141: 89-96.—**Millar, P. S.** Light and vision. Sightsav. Rev., 1934, 4: 19-27.—**Mizukawa, T.** [Ueber die Einflüsse der Beleuchtung auf die Arbeitsfähigkeit] Acta Soc. ophth. jap., 1940, 44: 1487-522.—**Pottevin, H., & Faillie, R.** Variation du temps de réaction psychomotrice visuelle, en fonction de l'éclairage. C. rend. Acad. sc. Par., 1928, 186: 716.—**Shlaer, S.** The relation between visual acuity and illumination. J. Gen. Physiol., 1937-38, 21: 165-88.—**Tang, K. Y.** Visual performance under daylight, incandescent, mercury vapor, and their mixtures. Tr. Illum. Engin. Soc., 1931, 26: 258-74, 2 pl.—**Taylor, A. H.** The nature and causes of small color differences in industry; lighting for their detection. J. Optic. Soc. America, 1942, 32: 651-8.—**Tinker, M. A.** The effect of illumination intensities upon speed of perception and upon fatigue in reading. J. Educ. Psychol., 1939, 30: 561-71.—**White, L. R., Britten, R. H.** [et al.] Studies in illumination; relationship of illumination to ocular efficiency and ocular fatigue among the letter separators in the Chicago Post Office. Bull. U. S. Pub. Health Serv., 1929, No. 181, 1-53, 3 pl.

Standards and formulae.

Bertheau. Die Leitsätze der Deutschen beleuchtungs-technischen Gesellschaft. Arbeiterschutz, 1927, 3: 235-40.—**Ferree, C. E., & Rand, G.** Requirements of good desk lighting. Am. J. Ophth., 1937, 3, ser., 20: 286-92.—**Higbie, H. H.** Illumination distribution from surface sources in rooms. Tr. Illum. Engin. Soc., 1936, 31: 163-80.—**Illuminating engineering nomenclature and photometric standards.** Illum. Engin., Balt., 1941, 36: 813-52.—**Kennzeichnung der Leuchten nach der halbräumlichen Lichtverteilung.** C. rend. Com. internat. éclair., 1935, 9, sess., 333-42.—**Lancaster, W. B.** Lighting standards. Am. J. Ophth., 1937, 3, ser., 20: 1221-31.—**Leduc, E.** Sur la législation ayant trait à l'éclairage et aux vues prises sur le voisin. C. rend. Congr. internat. assain. salub. habitat., Par., 1907, 2. Congr., 686-90.—**Leitsätze der Deutschen beleuchtungs-technischen Gesellschaft E. V.** für die Beleuchtung mit künstlichem Licht, Berlin 1931. C. rend. Com. internat. éclair., 1935, 9, sess., 570-2.—**Luckiesh, M., & Moss, F. K.** Recommended foot-candles. Tr. Illum. Engin. Soc., 1931, 26: 1061-98.—Quantitative relations between light and visibility. Am. J. Optometr., 1942, 19: 488-97.—**Melanowski, W. H.** L'éclairage optimal pour l'aptitude visuelle maximale. Bull. internat. Acad. polon. sc., 1935, 703-15.—**Moon, P.** Basic principles in illumination calculations. J. Optic. Soc. America, 1939, 29: 108-16.—**Powell, A. L.** Fundamentals of lighting in the home, classroom and industry. Sightsav. Rev., 1931, 1: 36-43.—**Recommandations officielles de la Commission internationale de l'éclairage.** C. rend. Com. internat. éclair., 1935, 9, sess., 1-21, pl.—**Regeln zur Bewertung von Licht, Lampen und Beleuchtung der Deutschen licht-technischen Gesellschaft.** Ibid., 568-70.—**Rôle (Le) de la Commission internationale de l'éclairage dans l'établissement et la conservation des unités d'intensité lumineuse.** Ibid., 181.—**Schütz, F.** Grundsätzliches zur natürlichen und künstlichen Beleuchtung. Deut. med. Wschr., 1933, 59: 734.—**Spencer, D. E.** Calculation of illumination from triangular sources. J. Optic. Soc. America, 1942, 32: 274-81.—Illumination from arrays of rectangular sources. Ibid., 539-51.—Exact and approximate formulae for illumination from troffers. Illum. Engin., Balt., 1942, 37: 596-606.—**Tinker, M. A.** Illumination standards for effective and comfortable vision. J. Consult. Psychol., 1939, 3: 11-20.—**Veasey,**

C. A., jr. Summary of criteria for adequate artificial lighting Dis. Eye &c. Throat, 1941, 1: 238-40.—**Wakefield, E. H., & McCord, C.** Illumination distribution from linear strip and surface sources. Illum. Engin., Balt., 1941, 36: 1330-9.

Technology.

Beggs, E. W., & Woodside, C. S. Technical aspects of architectural lighting. Tr. Illum. Engin. Soc., 1931, 26: 1007-24, 10 pl.—**Brainerd, A. A.** Tailor-made lighting. Ibid., 1930, 25: 867-81, 10 pl.—**Massey, R. A.** Designing for three-dimensional seeing. Illum. Engin., Balt., 1942, 37: 747-9.—Salvaging waste light for victory. Ibid., 738-57.—**Darley, W. G., & Ickis, L. S.** A study of chalkboard visibility. Ibid., 1940, 35: 431-43.—**Egbert, O.** A comparative study of artificial and natural light. Southwest. M., 1927, 11: 166-8.—**Ferree, C. E., & Rand, G.** The problem of late afternoon lighting. Arch. Ophth., Chic., 1932, n. ser., 7: 558-75.—War-time lighting. Personnel J., 1942-43, 21: 68; 107.—**Foster, L. V.** A study of polarized vertical illumination. J. Optic. Soc. America, 1938, 28: 127-9.—**Griffin, G. G.** Lighting in hazardous locations. Tr. Illum. Engin. Soc., 1938, 33: 465-75.—**Harrison, W.** What is wrong with our 50-foot-candle installations? Ibid., 1937, 32: 208-23, 2 pl.—**Ickis, L. S.** A graphical method of determining lighting costs. Illum. Engin., Balt., 1942, 37: 377-81.—**Koschmieder, H.** Die Beleuchtungstechnik mit Rücksicht auf Hygiene und Kohlenverbrauch. Zschr. Gewerbehyg., 1927, 33: 139-42.—**Logan, H. L.** Modern lighting with control lenses. Tr. Illum. Engin. Soc., 1930, 25: 859-66, 8 pl.—**Luckiesh, M.** A study of natural and artificial light-distribution in interiors. Ibid., 1912, 7: 388-411.—**Lyon, J. A. M.** Luminous surfaces for architectural lighting. Ibid., 1937, 32: 723-33.—**Maisonneuve, H.** Modern lighting; the development in Europe. Ibid., 1929, 24: 456-72, 20 pl.—**Millar, P. S.** The twentieth century evolution of lighting practice. Illum. Engin., Balt., 1941, 36: 1030-56.—**Moon, P.** Interreflections in finite cylinders. J. Optic. Soc. America, 1941, 31: 223-33.—Interreflections in rooms. Ibid., 374-82.—Wall materials and lighting. Ibid., 723-9.—**Norton, C. L.** A new era in interior lighting. Techn. Q. Bost., 1901, 14: 33-42.—**Oday, A. B., & Porter, L. C.** The use of ultraviolet sources for the general illumination of interiors. Tr. Illum. Engin. Soc., 1935, 28: 121-52.—**Safety lighting for night-accident zones.** Travelers Stand., 1938, 26: 192-5.—**Schultze, P.** Das Problem der künstlichen Beleuchtung. Umschau, 1926, 30: 881.—**Shoemaker, G. E.** Synthetic lighting. Tr. Illum. Engin. Soc., 1932, 27: 308-23.—**Stair, J. L., & Foulks, W.** New technique in display lighting. Illum. Engin., Balt., 1942, 37: 147-64.—**Study (A) of factors affecting natural inside illumination.** Pub. Health Rep., Wash., 1935, 50: No. 44, 1539.—**Trends in applied lighting.** C. rend. Com. internat. éclair., 1935, 9, sess., 666-79.—**Walsh, J. W. T.** Illumination research at the National Physical Laboratory. Tr. Illum. Engin. Soc., 1929, 24: 473-86, 2 pl.—**Wright, L. D.** Modern trends in illumination. Med. J. Australia, 1942, 1: 204.

ILLUSION.

See also Perception; Sensation; also under names of specific senses, qualities of bodies, devices, and pathological conditions as Aberration; Depth perception; Memory; Perspective; Size; Space; Strabismus; Stroboscope; Touch; Vision, etc.

Hartmann, G. W., & Triche, A. Differential susceptibility of children and adults to standard illusions. J. Genet. Psychol., 1933, 42: 493-8.—**Hollingsworth, H. L.** The illusion as a neurosis. J. Abnorm. Psychol., 1932, 26: 270-82.—**Ichheiser, G.** Die Erforschung des Seelenlebens als Aufgabe und das Problem der Täuschung. Zschr. Psychol. Psychol. Sinnesorg., 1. Abt., 1928, 108: 421-48.—**Korotkin, I. I.** [Data on the physiological mechanism of following-sound illusion of rhythm frequency in man] J. Physiol. USSR, 1940, 28: 411-20.—[Dynamics of induction relations in the cerebral cortex during the phenomenon of sound illusion of rhythm frequency] Ibid., 421-30.—**Orlow, J. E.** Ueber Täuschungen des Gehörs. Arch. ges. Psychol., 1930, 74: 391-400.—**Rogge, C.** Sprachliche Täuschung durch den Ohrenschein; ein Schlusswort zur Lehre von der Analogie und Wortzusammensetzung. Ibid., 1926, 54: 515-27.

Forensic aspect.

See Witness; Testimony.

geometrico-optical, and visual.

See also Blind, Psychology; Size, Vision, etc.

WAALS, H. G. VAN DER. *Optische schijnbe-
weging. 184p. 8°. Amst., 1927.

Aikins, H. A. A banked race-track illusion. Science, 1931, 73: 366.—**Alexander, L., & Putnam, T. J.** Element of optical illusion in appearance of preservation of axis-cylinders in certain lesions of the central nervous system. Arch. Neur. Psychiat., Chic., 1940, 44: 1312-8.—**Angell, F.** Notes on the horizon illusion. J. Gen. Psychol., 1932, 6: 133-56.—**Angyal, A.** Osservazioni su alcuni fenomeni di moto apparente. Arch.

ital. psicol., 1932, 10: 25-8.—**Barbieri, C. A.** Las ilusiones ópticas y el color; estudio de fisiología de las sensaciones. Congr. argent. oft. (1936) 1938, 1. Congr., 2: 470-88.—**Bean, C. H.** The blind have optical illusions. J. Exp. Psychol., 1938, 22: 283-9.—**Björkman, A., & Göthlin, G. F.** Charpentiers Illusion bei gerade nach vorn gerichteten Blick; Experimente und Erklärung. Skand. Arch. Physiol., Berl., 1930, 60: 135-42, 2 pl.—**Bressler, J.** Illusion in the case of subliminal visual stimulation. J. Gen. Psychol., 1931, 5: 244-51.—**Bychowski, G.** Eine Gesichtszusammenfassung als Ausdruck der ambivalenten Übertragung. Internat. Zschr. Psychoanal., 1922, 8: 337-9.—**Calabresi, R.** Sulla valutazione cinetica degli angoli. Arch. ital. psicol., 1933, 11: 1-20.—**Calavrezo, C.** Ueber den Einfluss von Grössenänderungen auf die scheinbare Tiefe. Psychol. Forsch., 1934, 19: 311-63.—**Chidester, L.** A preliminary study of bisection of lines. J. Exp. Psychol., 1935, 18: 470-81.—**Crosland, H. R., Taylor, H. R., & Newsom, S. J.** Practice and improvability in the Müller-Lyer illusion in relation to intelligence. J. Gen. Psychol., 1929, 2: 290-306.—**Donahue, W. T., & Griffiths, C. H.** The influence of complexity on the fluctuations of the illusions of reversible perspective. Am. J. Psychol., 1931, 43: 613-7.—**Dufour, M.** Une illusion d'optique due à l'irradiation. C. rend. Soc. biol., 1928, 99: 411. — Illusion d'optique relative au micromètre oculaire de Krauss. Ibid., 1930, 105: 600. — Illusion d'optique observée en regardant un damier à travers une fente. Ibid., 1931, 107: 716. — Illusions chromatiques observées avec un damier blanc et noir placé au delà du punctum remotum. Hyg. ment., Par., 1931, 26: 369. — **Donzelot, P.** Déformation apparente d'une ligne de mouvement. C. rend. Soc. biol., 1932, 109: 1206.—**Fernberger, S. W.** New phenomena of apparent visual movement. Am. J. Psychol., 1934, 46: 309-14.—**Galli, P. A.** Ueber mittelst verschiedener Sinnesreize erweckte Wahrnehmung von Scheinbewegungen. Arch. ges. Psychol., 1932, 85: 137-80.—**Galperin, P. J.** Neue verstärkte Form der Pogendorffschen Figur. Zschr. Psychol. Physiol. Sinnesorg., 1. Abt., 1931, 122: 84-97.—**Gatti, A.** Analisi di una illusione ottico-geometrica. Arch. ital. psicol., 1931, 9: 300-4. — L'illusione di Pogendorff e il principio del minimo mezzo. Ibid., 1932, 10: 29-56.—**Grünbaum, A.** Ueber stereoskopische Scheinbewegungen. Ned. tsehr. geneesk., 1915, 1737-41.—**Haas, E.** Le phénomène de la marque tournante de Pulfrich; interprétation et utilisation. Bull. Soc. opt. Paris, 1926, 633-8.—**Hartinger, H.** Durch Fehlsichtigkeit bedingte optische Täuschungen. Klin. Mbl. Augenh., 1940, 105: 89-94 (microfilm)—**Helson, H.** The cigarette illusion: a case of color transformation. Am. J. Psychol., 1931, 43: 691-700.—**Higginson, G. D.** A new explanation of some so-called illusionary patterns. J. Psychol., Provincet., 1936, 1: 295-311.—**Hovland, C. I.** Apparent movement. Psychol. Bull., 1935, 32: 755-78.—**Johnson, G. L.** The curious optical illusions. Arch. Ophth., N. Y., 1927, 56: 465-8. — Two curious optical illusions. J. M. Ass. S. Africa, 1927, 1: 425.—**Kahn, R. H.** Ueber den Stereoeffekt von Pulfrich. Arch. ges. Psychol., 1931, 228: 213-25.—**Kelly, E. L.** The effect of previous experience and suggestion on the perception of apparent movement. Psychol. Bull., 1935, 32: 569.—**Kiesow, F.** L'illusione di Sander. Arch. ital. psicol., 1931, 9: 284-98.—**Leiri, F.** [Subjective visual illusions produced after movements] Fin. läk. säll. hand., 1927, 69: 409-18. Also Arch. Ophth., Berl., 1927-28, 119: 719-32.—**Lindworsky, J.** Zum Problem der Gestalttäuschungen. Arch. ges. Psychol., 1929, 71: 391-408.—**Maier, N. R. F.** The illusion of size in pin-hole vision. Am. J. Psychol., 1929, 41: 291-5.—**Miles, W. R.** Visual illusions of motion. Sc. Month., 1928, 26: 481-91.—**Musatti, C. L.** Sui movimenti apparenti dovuti ad illusione di identità di figura. Arch. ital. psicol., 1927, 6: 205-319.—**Ni, C.** The effect of combining some geometrical illusions. J. Gen. Psychol., 1934, 10: 472-6.—**Oesterreich, T. K.** Zum Problem der geometrisch-optischen Täuschungen. Zschr. Psychol. Physiol. Sinnesorg., 1. Abt., 1927, 105: 371-85.—**Ouboter, P. de B.** Mengentäuschungen im taktilkinesthetischen Gebiet. Proc. Akad. wet. Amsterdam, 1933, 36: 710-4.—**Paliard, J.** L'illusion de Sinsteden et le problème de l'implication perceptive. Rev. philos. France, 1930, 109: 359-409.—**Rontschewsky, S. P.** Ueber Gesichtszusammenhang mit lokalen Affektionen des sensorischen Apparats. Mschr. Psychiat., 1933-34, 87: 354-76.—**Ruckmick, C. A.** Illusions in printed matter. Science, 1941, 93: 236.—**Rüssel, A.** Ein entwicklungspsychologischer Beitrag zur Theorie der geometrisch-optischen Täuschungen. Arch. ges. Psychol., 1934, 91: 289-304. — Geometrisch-optische Täuschungen bei Kindern. Ber. Deut. Ges. Psychol., 1934, 13. Kongr., 169.—**Schilder, P. & Wechsler, D.** The illusion of the oblique intercept. J. Exp. Psychol., 1936, 19: 747-57.—**Shalabutov, K. V.** [Pathogenesis of visual illusions] Sovet. nevropat., 1933, 2: 57-60.—**Simchowiz, H.** Ueber die Zöllnerschen anorthoskopischen Zerrbilder. Arch. ges. Psychol., 1926, 56: 1-54.—**Sisson, E. D.** Eye-movements and the Schröder stairfigure. Am. J. Psychol., 1935, 47: 309-11.—**Squires, P. C.** Visual illusions, with special reference to seen movement. Psychol. Bull., 1926, 23: 574-98.—**Tinker, M. A.** Susceptibility to optical illusions: specific or general? J. Exp. Psychol., 1938, 22: 593-7.—**Verhoeff, F. H.** An optical illusion due to chromatic aberration. Am. J. Ophth., 1928, 3. ser., 11: 898-900.—**Vogel, P.** Ueber optokinetische Reaktionsbewegungen und Scheinbewegungen. Arch. ges. Psychol., 1931, 228: 632-44.—**Voigt, H.** Erörterung einer Geschwindigkeitstäuschung. Ibid., 1939, 104: 380-94.—**Volk, J.** Neue Untersuchungen über die Zöllnerschen anorthoskopischen Zerrbilder;

tachistoskopische Untersuchungen. Zschr. Psychol. Physiol. Sinnesorg., 1. Abt., 1927, 102: 57-106.—**Vujić, V.** Eine neue optische Täuschung; scheinbarer Fall eines kleinen Objektes. Ibid., 2. Abt., 1929, 60: 290-4.—**Walters, A.** A genetic study of geometrical-optical illusions. Genet. Psychol. Monogr., 1942, 25: 101-55.—**Warren, N.** An explanation of Mettessell's stroboscopic effect observed in mirror vibration. J. Gen. Psychol., 1934, 10: 463-5.—**Wenzel, E. L.** Neue Untersuchungen über die Zöllnerschen anorthoskopischen Zerrbilder; die sukzessive Erfassung der Figuren. Zschr. Psychol. Physiol. Sinnesorg., 1. Abt., 1926, 100: 289-324.—**Wiedersheim, O.** Ueber Täuschungen der Richtung und Tiefe im Flächenbild. Klin. Mbl. Augenh., 1930, 85: 554-8.

— Illusion des sosies.

See also **Delirious states.**

BOUVIER, M. *Le syndrome: illusion des sosies. 110p. 8° Par., 1926.

DEROMBIES, M. *Une forme particulière de la méconnaissance systématique; l'illusion de sosie [Paris] 116p. 8° Cahors, 1935.

Larrive, E., & Jasienski, H. J. L'illusion des sosies; une nouvelle observation du syndrome de Capgras. Ann. méd. psychol., Par., 1931, 89: pt 2, 501-7.

— Japanese.

Klein, E., & Schilder, P. The Japanese illusion and the postural motion of the body. J. Nerv. Ment. Dis., 1929, 70: 241-63.—**Van Riper, C.** An experimental study of the Japanese illusion. Am. J. Psychol., 1935, 47: 252-63

— perceptive.

MÜLLER, J. Ueber die phantastischen Gesichtserscheinungen; hrsg. von Martin Müller. 101p. 8° Lpz., 1927.

Burrow, T. Fallacies of the senses. Scientia, Bologna, 1935, 57: 354; 431.—**Costa, A.** L'illusione di Pogendorff al tatto. Arch. ital. psicol., 1937, 15: 363-9.—**Craig, F. E.** Variations in the illusion of filled and unfilled tactual space. Am. J. Psychol., 1931, 43: 112-4.—**Dallenbach, K. M.** A comparative study of the errors of localization on the finger-tips. Ibid., 1932, 44: 327-31.—**Gatti, A.** Di una illusione nel campo delle sensazioni cinestetiche-tattili; contributo allo studio della percezione dei complessi rappresentativi. Arch. ital. psicol., 1927, 6: 40-7.—**Kronfeld, A.** Beitrag zur Lehre von den Trugwahrnehmungen. Psychol. & Med., Stuttg., 1928, 3: 122-32.—**Leiri, F.** [On the phasic character of static and kinetic illusions of vestibular origin] Fin. läk. säll. hand., 1927, 69: 764-76. Also Zschr. Hals & Heilk., 1928, 22: 79-90.—**Lobligeois, F.** Auto-observation d'illusion des amputés. Monde méd., 1927, 37: 873-8.—**Nadejde, D.** Zur Kritik der Begriffe: Sinnesstörung, Illusion und Halluzination. Wien. med. Wschr., 1922, 72: 1069-71.—**Neuhäus, W.** Taktile Scheinbewegungen. Arch. ges. Psychol., 1932, 83: 519-63.—**Ohwaki, J.** Ueber die sensorische Volum-Einstellung. Ibid., 563-608.—**Ponzo, M.** Intorno ad alcune illusioni nel campo delle sensazioni tattili, sull'illusione di Aristotele e fenomeni analoghi. Arch. ges. Psychol., 1910, 16: 307-45.—**Quercy, P.** Auto-observation d'une hallucination et d'une illusion. J. psychol. norm. path., Par., 1922, 19: 633-46.—**Scharnke.** Ueber Beziehungen zwischen Sinnesstörungen und eidetischer Anlage. Psychiat. neur. Wschr., 1926, 28: 569-73.—**Schneider, C.** Ueber Sinnentrug. Zschr. ges. Neur. Psychiat., 1930-31, 131: 719; 1931, 137: 458.—**Schröder, P.** Die Lokalisation von Sinnesstörungen. Arch. Psychiat., Berl., 1925-26, 76: 784-8.—**Twitmyer, E. B.** Fact and illusion. Univ. Pennsylvania Lect., 1915, 2: 395-408.—**Usnadze, D.** Ueber die Gewichtstäuschung und ihre Analoga. Psychol. Forsch., 1931, 14: 366-80.—**Walter, F. K.** Trugwahrnehmung und Realitätssurteil. Zschr. ges. Neur. Psychiat., 1931, 132: 322-5.—**Zucker, K.** Experimentelles über Sinnesstörungen. Arch. Psychiat., Berl., 1928, 83: 706-54.

ILLUSTRATION.

See also **Book, Illustration; Caricature; Drawing; Engraving; Graphic art, etc.**

CLARKE, C. D. Illustration: its technique and application to the sciences. 386p. 28½cm. Balt. [1940]

CORBETT, E. V. The illustrations collection. 158p. 22cm. Lond., 1941.

ICONOGRAPHIC ENCYCLOPAEDIA OF SCIENCE, literature and art. Transl. from the German, with additions. Text v.1-4, plates v.1-2. 6v. 26cm.; 24½ x 31½cm. N. Y., 1851-52.

IVES, S. A., & LEHMANN-HAUPT, H. An English 13th century bestiary, a new discovery in the technique of medieval illumination. 45p. 26½cm. N. Y., 1942.

MAYER, C. F. From drawings to photography in color; an exhibition on the history of the art of medical book illustration from the 12th to the 20th century arranged at the centennial celebration of the Army Medical Library, Nov. 16, 1936. p.[31]-44. 8°. Wash., 1937.

RIDGWAY, J. L. Scientific illustration. 173p. 8°. Stanford Univ. [1938]

SCHWEIDLER, M. Die Instandsetzung von Kupferstichen, Zeichnungen, Büchern usw. 136p. 25cm. Stuttg., 1938.

TREDWELL, D. M. A monograph on privately illustrated books; a plea for bibliomania. 501p. 4°. Flatbush, 1892.

WALSH, J. J. Odd and quaint illustrations in medical science. 23p. 8°. Yonkers, N. Y. [19-?]

WEITENKAMPF, F. The fifteenth century, the cradle of modern book illustration; book illustration before Dürer, an exhibition and list. 19p. 25cm. N. Y., 1938.

Brodel, M. How may our present methods of medical illustration be improved. J. Am. M. Ass., 1907, 49: 138-40. Medical illustration. Ibid., 1941, 117: 668-72.—Claiborne, P. Art serves science. J. District of Columbia Dent. Soc., 1941, 15: No. 3, 43-5.—Clarke, C. D. Pictorial and plastic medical illustrations. J. Lab. Clin. M., 1933, 18: 1165-73.

An introduction to illustration. Ibid., 1940-41, 26: 740-8.

—The crayon sauc technique for medical illustration. Ibid., 1687-1704.—Corsi, A. Una importante miniatura di soggetto medico del secolo XV. Boll. Ist. stor. ital. arte san., 1923, 3: 1-5.—Falls, F. H. Observations on the art of medical illustrations. Am. J. Obst., 1942, 43: 1059-69.—Hoepli, R. Methods of illustrating scientific papers. Chin. M. J., 1936, Suppl. 1, 474-518, 14 pl.—Hoshall, E. M. Chemical drawing. In: Illustration (Clarke, C. D.) Balt., 1940, p. 196-239.—Jones, T. Modern medical illustrating. N. Orleans M. & S. J., 1939-40, 92: 697-701.—Mayer, C. F. Art in Latin American medical books. Current List M. Liter., 1941, 1: No. 37, 2.—Medical (The) illustrator; an alliance of art and medicine. Brit. M. J., 1937, 1: 341.—Shultz, F. Water color drawings for screen projection. J. Lab. Clin. M., 1941-42, 27: 271-3, pl.—Sudhoff. Traditionelles Schema und Naturbeobachtung in medizinischen Abbildungen des 14. bis 18. Jahrhunderts. Münch. med. Wschr., 1907, 54: 193.—Varden, L. E. Sharpness considerations in making scientific illustrations. J. Lab. Clin. M., 1940-41, 26: 1388-94.—W., T. S. Color illustrations. Am. J. Surg., 1941, 52: 275-84.—Westgate, L. G. On numbering book illustrations. Science, 1942, 96: 581.

ILLUSTRAZIONE (L') medica italiana. Genova, v.1-13, 1919-31.

Ceased publication with v.13.

ILLYEFALVI, I. Lajos. A székes öváros multja és jelene grafikus ábrázolásban. 200p. oblong 8°. Budap., Budap. székesfőv., 1933.

ILLYES, Géza, 1870—
For Festschrift see Magy. urol., 1940, 3: H. 3, 55-170, portr.

ILMER, Frida.
Translator of Stekel, W. A primer for mothers. 8°. N. Y., 1931.

ILSE, Gerhard, 1910— *Beobachtungen über Geburtenhäufigkeit und Schwangerschaft in den warmen Ländern bei Frauen weisser Rasse. 67p. 8°. Tüb., A. Becht, 1938.

ILTIS, Hugo, 1882— Ueber die Verbreitung der Malaria mücken in Mähren und über die Gefahr einer Malariaendemie. 29p. 8°. Brünn, A. Wiesner, 1921.

— Life of Mendel; transl. by Eden & Cedar Paul. 336p. illust. 12 pl. portr. 8°. Lond., G. Allen & Unwin Ltd. [1932]

ILUSTRAÇÃO medica. Rio, v.5, No. 45, 1939—

ILVENTO, Arcangelo, 1877-1936.
See Lustig, A., & Ilvento, A. Igiene della scuola. Milano, Vallardi, 1921.

Bocchetti, F. Una luce si è penta Arcangelo Ilvento. Lotta tuberc., 1936, 7: 645-57.—G., C. [Necrologio] Difesa sociale, 1936, 15: 567-71, portr.

ILYIN, L. A., KLEIN, A. I., & ROSENBERG, A. V. Современное больничное строительство въ связи съ постройкой городской больницы имени Петра Великаго. 35p. 27cm. S. Peterb., Gosud. Tipogr., 1911.

Repr. from Trudy Sezd. Russk. zedchikh, 1911, 4. Congr.

IMABLE Barrientos, Julia. *Tratamiento de las inflamaciones de las manos por vía intra-arterial [Chile] 48p. 26½cm. S. Diego, Gutenberg, 1940.

IMAGE.

See also Eidetic; Hallucination; Idea; Imagination; Memory; Perception. For retinal image see under Retina.

Allpost, G. W. Change and decay in the visual memory image. Brit. J. Psychol., 1930, 21: 133-48. — The eidetic image and after-image. Am. J. Psychol., 1928, 40: 418-25.—Aveling, F. The relevance of visual imagery to the process of thinking. Brit. J. Psychol., 18: Gen. Sect., 1927, 15-22.—Bartlett, F. C. An experimental study of some problems of perceiving and imaging. Ibid., 1916, 8: 222-66. The relevance of visual imagery to the process of thinking. Ibid., 18: Gen. Sect., 1927, 23-9.—Bowers, H. Studies in visual imagery. Am. J. Psychol., 1931, 43: 216-29. The rôle of visual imagery in reasoning. Brit. J. Psychol., 1934-35, 25: 436-46.—Dallenbach, K. M. Two pronounced cases of verbal imagery. Am. J. Psychol., 1927, 8: 667-9.—Diez, M. Contributo allo studio delle immagini consecutive in rapporto ai fenomeni eidetici. Riv. psicol., 1931, 27: 73-85.—Fox, C. The conditions which arouse mental imagery in thought. Rep. Brit. Ass. Advance. Sc. (1913) 1914, 687.—Franceschi, A. El pensamiento sin imagen. Rev. crim., B. Air., 1934, 21: 424-42.—Griffitts, C. H. Individual differences in imagery. Psychol. Monogr., 1927, 37: 1-91.—Haby, G. Etude sur l'interprétation visuelle des images tactiles. Rev. philos. France, 1931, 31: 395-477.—Hey, R. Francis Galton's Untersuchungen über das bildhafte Vorstellen. Arch. ges. Psychol., 1930, 76: 353-87.—Kerr, M., & Pear, T. H. Unseen drama and imagery: some experimental observations. Brit. J. Psychol., Gen. Sect., 1931, 22: 43-54.—Klüver, H. Fragmentary eidetic imagery. Psychol. Rev., 1930, 37: 441-58.—Masson-Oursel, P. Les images selon la pensée indienne. J. psychol. norm. path., Par., 1929, 26: 790-6.—Meyerson, I. Les images. Ibid., 625-709.—Pear, T. H. Mental imagery and style in writing. Rep. Brit. Ass. Advance. Sc., 1935, 435. — The relevance of visual imagery to the process of thinking. Brit. J. Psychol., Gen. Sect., 1927, 18: pt 1, 1-14.—Richardson, L. F. Imagery, conation, and cerebral conductance. J. Gen. Psychol., 1929, 2: 324-52. — The analogy between mental images and sparks. Psychol. Rev., 1930, 37: 214-27.—Sánchez Herrero, A. La imagen inmóvil. Med. ibera, 1919, 7: 81.—Siebert, K. Plastischanschauliche Gedächtnisbilder. Arch. ges. Psychol., 1929, 72: 517-45.—Starr, H. E. A study of experimentally induced projection of visual imagery. Psychol. Bull., 1935, 32: 742.

IMAGINATION.

See also Day-dreaming; Ideation; Illusion; Image; Intelligence; Memory; Reality; Superstition.

BARRETT, M. C. An experimental study of the Thomistic concept of the faculty of imagination. 51p. 23cm. Wash., 1941.

HARGREAVES, H. L. The faculty of imagination; an enquiry concerning the existence of a general faculty or group factor, of imagination. 74p. 8°. Cambr., 1927.

In Brit. J. Psychol., 1927, Monogr. Suppl., No. 10.

LEEMING, B. C. Imagination, mind's dominant power. 288p. 8°. N. Y., 1926.

ROSETT, J. The mechanism of thought, imagery, and hallucination. 289p. 26cm. N. Y., 1939.

Bennett, G. Some factors related to substitute value at the level of fantasy. Psychol. Bull., 1942, 39: 488 (Abstr.)—Berman, L. The control of imagination. In his New Creations, N. Y., 1938, 153-70.—Boreas, T. Experimentelle psychologische Forschungen; die Phantasie und ihre Beziehungen zu den anderen Seelentätigkeiten. Arch. ges. Psychol., 1938, 102: 247; 1939, 105: 243.—Bowers, H. The constancy of imaginal content. J. Educ. Psychol., 1929, 20: 295-8.—Dexter, E. S. Imagination. Psychol. Bull., 1941, 38: 692.—Gordon, K. Imagination; a psychological study; introduction. J. Gen. Psychol., 1935, 12: 195-207. — Imagination and emotion. J. Psychol., Provincet., 1937, 4: 121-38. — Imagination and will. Ibid., 1938, 5: 291-313. — Homer on imagination. J. Gen. Psychol., 1940, 23: 401-13.—Grotjahn, M. A child talks about pictures; observations about the integration of fantasy into the process of thinking. Psychoanal. Q., 1941, 10: 385-94.—Jacobson, E. Electrical measurements of neuromuscular states during mental activities.

Am. J. Physiol., 1930, 91: 567-608; 1931, 96: 115-21; 1931, 97: 200-9.—**Johnson, H. M.** A simpler principle of explanation of imaginative and ideational behavior and of learning. J. Comp. Psychol., 1927, 7: 187-235.—**Lybyer, P. C.** Phantasy in the classroom. Ment. Hyg. News, Alb., 1935-36, 6: No. 2, 3.—**McCloy, W., & Meier, N. C.** Re-creative imagination. Psychol. Monogr., Princeton, 1939, 51: No. 5, 108-16.—**Markes, F. V.** Imagination. Psychol. Bull., 1935, 32: 212-36.—**Meier, N. C.** Reconstructive imagination. Psychol. Monogr., Princeton, 1939, 51: No. 5, 117-26.—**Nice, M. M.** A child's imagination. Pedagog. Semin., Worcester, 1919, 26: 173-201.—**Perry, H. M.** The relative efficiency of actual and imaginary practice in 5 selected tasks. Arch. Psychol., N. Y., 1939, No. 243, 5-76.—**Schmid, G.** Die Wachtraumbilder. Zschr. Psychol. Physiol. Sinnesorg., 1. Abt., 1938, 142: 1-66.—**Stuerwald, R. E.** Imagination (the power of progress) Proc. Am. Ass. Ment. Defec., 1936, 60. Sess., 188-96.—**Symonds, P. M.** Adolescent phantasy. Psychol. Bull., 1941, 38: 596.—**Thorpe, C. D.** Addison's theory of the imagination as perceptive response. Papers Michigan Acad. Sc., 1935, 21: 509-30.—**Vernon, M. D.** The relation of cognition and phantasy in children. Brit. J. Psychol., 1939-40, 30: 273; 1940-41, 31: 1.—**Wimmer, H.** Palägypt's Phantasmenlehre als vitalistische Grundlage der neueren wissenschaftlichen Biologie. Psychiat. neur. Wschr., 1935, 37: 399; 430; 440.

— creative.

See also Art; Invention; Poetry, etc.

LEMOINE, L. **Quelques réflexions biologiques sur la pensée créatrice.* 72p. 24cm. Par., 1939.
SPEARMAN, C. E. Creative mind. 153p. 8°. Lond., 1930.

Benham, E. The creative activity: introspective experiments in musical composition. Brit. J. Psychol., Gen. Sect., 1929, 20: 59-65.—**Campbell, C. M.** A note on the imagination and its exploitation; Psalmazar and Hélène Smith. J. Nerv. Ment. Dis., 1940, 92: 605-13.—**Drüner, R.** Beharren und Bewegung. Zschr. Menschensk., 1938-39, 14: 127; 183.—**Dwelschauers, G.** Recherches expérimentales sur l'imagination créatrice. J. psychol. norm. path., Par., 1935, 32: 435-42.—**Hutchinson, E. D.** The period of elaboration in creative endeavor. Psychiatry, Balt., 1942, 5: 165-76.—**Lyle, J., & Shaw, R. F.** Encouraging fantasy expression in children. Bull. Menninger Clin., 1936, 1: 78-86.—**McCloy, W.** Creative imagination in children and adults. Psychol. Monogr., Columbus, 1939, 51: No. 5, 88-102.—**Passive creative imagination.** Ibid., 103-7.—**Simpson, R. M.** Creative imagination. Am. J. Psychol., 1922, 33: 234-43.—**Speich, R.** Reproduktion und psychische Aktivität. Arch. ges. Psychol., 1927, 59: 225-338.—**Squires, P. C.** The evolution of the creative imagination. Sc. Month., 1931, 32: 447-53.—**Trow, W. C.** Phantasy and vocational choice. Occupations, 1941-42, 20: 89-93.—**Vaschide, N.** Recherches expérimentales sur l'imagination créatrice chez l'enfant. C. rend. Congr. internat. psychol. (1900) 1901, 4. Congr., 251-3.—**Weaver, W.** Science and imagination. Sc. Month., 1929, 29: 425-34.—**Zissulescu, S.** The psychology of creative imagination. J. Ment. Sc., Lond., 1942, 88: 165.

— Examination.

See also Intelligence test.

Berger, E. Der Sandersche Phantasietest im Rahmen der psychologischen Eignungsuntersuchung Jugendlicher. Arch. ges. Psychol., 1939, 103: 499-543.—**Burlingham, D. T.** Phantasie und Wirklichkeit in einer Kinderanalyse. Internat. Zschr. Psychoanal., Wien, 1939, 24: 292-303.—**Hertz, M. R.** The Rorschach ink-blot test: historical summary. Psychol. Bull., 1935, 32: 33-66.—**Leonhardt, C.** Methodisches Vorgehen zur Feststellung, ob ein angebliches in seiner Existenz streitiges oder zweifelhaftes Erlebnis der Auskunftsperson in der Tat stattgefunden hat oder lediglich erdichtet ist. Zschr. angew. Psychol., 1936, 50: 183-208.—**Lindworsky, J.** Methoden der Phantasieforschung. In Handb. biol. Arbeitsmeth. (Abderhalden, E.) Berl., 1925, Abt. 6, Teil B, 131-56.—**Lowenfeld, M.** The value of direct objective record of children's phantasies with special reference to ideas of movement. Rapp. Congr. internat. psychol. (1937) 1938, 11. Congr., 396.—**McGeoch, J. A.** The relationships between 3 tests of imagination and their correlation with intelligence. J. Appl. Psychol., 1924-25, 8: 439-43.—**Murray, H. A.** Techniques for a systematic investigation of fantasy. J. Psychol., Provincet., 1937, 3: 115-43.—**Rombouts, J. M.** [Examination by fantastic shadow-pictures] Psychiat. neur. bl., Amst., 1939, 43: 311-7.—**Rosenzweig, S.** Fantasy in personality and its study by test procedures. J. Abnorm. Psychol., 1942, 37: 40-51.—**Stern, W.** Ein Test zur Prüfung der kindlichen Phantasietätigkeit: Wolkenbilder-Test. Zschr. Kinderpsychiat., Basel, 1938-39, 5: 5-11.—**Ziehen, T.** Die Prüfung der Phantasietätigkeit bei Kranken und Gesunden. J. Psychol. Neur., Lpz., 1928, 37: 422-7.

— Pathology.

See also Dementia, schizophrenic, Art productions; also under names of mental diseases; also Pseudologia phantastica.

Balken, E. R., & Masserman, J. H. The language of phantasy: the language of the phantasies of patients with conversion hysteria, anxiety state, and obsessive-compulsive neuroses. J. Psychol., Provincet., 1940, 10: 75-86.—**Borel, A., & Robin, G.** Les rêves; considérations sur les mondes imaginaires. In Evolut. psychiatr., Par., 1925, 155-92.—**Brown, J. F.** Untersuchungen zur Handlungs- und Affekt-psychologie; über die dynamischen Eigenschaften der Realitäts- und Irrealitätsschichten. Psychol. Forsch., Berl., 1933, 18: 2-26.—**Despert, J. L.** Technical approaches used in the study and treatment of emotional problems in children; collective phantasy. Psychiat. Q., 1937, 11: 491-506.—**Devine, H.** The reality-feeling in phantasies of the insane. Brit. J. M. Psychol., 1923, 3: 81-94.—**Eisner, E.** Phantasy in mal-adjusted children as observed in 3 cases at the Southard school. Bull. Menninger Clin., 1939, 3: 27-34.—**Freud, S.** Beispiele des Verrats pathogener Phantasien bei Neurotikern. Zbl. Psychoanal., 1910, 1: 43.—**Götz, B.** Beteiligung auch äußerlicher Beziehungen am Zustandekommen pathopsychischer und volkstümlicher Gebilde. Med. Welt, 1928, 2: 1562.—**Kanner, L., & Schilder, P.** Movements in optic images and the optic imagination of movements. J. Nerv. Ment. Dis., 1930, 72: 489-517.—**Koerber, H.** Sexualsymbolik in Phantasie und Krankheitsgeschehen. Arch. Frauenk., 1928, 14: 51-7.—**Lorand, S.** Perverse tendencies and fantasies; their influence on personality. Arch. Neur. Psychiat., Chic., 1938, 40: 217-20.—**Masserman, J. H., & Balken, E. R.** The clinical application of phantasy studies. J. Psychol., Provincet., 1938, 6: 81-8.—**The psychoanalytic and psychiatric significance of phantasy.** Psychoanal. Rev., 1939, 26: 343; 535.—**Möhlmann, M.** Tagträumeri oder Wahnanknüpfung? zur Frage der Reichweite des Psychogenen. Mschr. Psychiat., 1938, 98: 1-20.—**Wahl, L.** Robinsonnisme. C. rend. Congr. alién. neur. France, 1934, 38. Congr., 341-6.

— Psychoanalytical aspect.

Abraham, K. Coincident phantasies in mother and son. Internat. J. Psychoanal., 1926, 7: 79.—**Bender, L., & Vogel, B. F.** Imaginary companions of children. Am. J. Orthopsychiat., 1941, 11: 56-65.—**Ferenczi, S.** Ueber forierte Phantasien. Internat. Zschr. Psychoanal., Wien, 1924, 10: 6-16.—**Gulliver phantasies.** Internat. J. Psychoanal., Lond., 1928, 9: 283-300.—**Freud, A.** The relation of beating-phantasies to a day-dream. Ibid., 1923, 4: 89-102.—**Furrer, A.** Tagphantasie eines sechseinhalbjährigen Mädchens. Imago, Lpz., 1922, 8: 82-93.—**Harriman, P. L.** Some imaginary companions of older subjects. Am. J. Orthopsychiat., 1937, 7: 368-70.—**Hesnard, A.** Contribution à l'étude des phantasmes érotiques. Rev. fr. psychanal., 1930-31, 4: 526-48.—**Hurlock, E. B., & Burstein, M.** The imaginary playmate; a questionnaire study. J. Genet. Psychol., 1932, 41: 380-92.—**Kamiat, A. H.** The cosmic phantasy. Psychoanal. Rev., 1928, 15: 210-9.—**Lehrman, P. R.** Phantasy in neurotic behavior. Med. J. & Rec., 1927, 126: 342-4.—**The phantasy of not belonging to one's family.** Arch. Neur. Psychiat., Chic., 1927, 18: 1015-23.—**Sterba, R.** Aggression in the rescue fantasy. Psychoanal. Q., 1940, 9: 505-8.

IMAI, Kihati, & MATUTANI, Motosaburo. Ideals of the Shinran followers. English and Japanese text. 54 l. 8°. Tokyo [n. pub.] 1918.

IMAMI, Ahmed, 1901— *Noma, Wasserkrebs [Berlin] 39p. 8°. Charlottenb., Gebr. Hoffmann, 1930.

IMAMI, Sinan, 1905— *Le corps médical en face du péril aéro-chimique. 85p. 8°. Par., M. Vigné, 1935.

IMBACH, Fritz, —1932.
Doser, M. Nekrolog. Bull. Eidg. Gesundheitsamt., 1932, [Gegen d. Tuberk.] 81.

IMBACH, Robert, 1909— *Ein Beitrag zur Kasuistik des retroponierten Colon transversum. 37p. 8°. Zür., Gebr. Leemann & co., 1935.

IMBECILITY.

See also Mental deficiency.

SCHÄFER, A. *Experimentelle Untersuchungen über die Eigenschaften der Aussagen bei Imbezillen und ihre klinische Bedeutung. 20p. 8°. Giessen, 1930.

WILSON, F. T. *Learning of bright and dull children [Columbia Univ.] 56p. 8°. N. Y., 1928.

Austregesilo, A., Gallotti, O., & Marques, A. Un cas d'imbecilité avec symptomatologie extra-pyramidale (myoclonie) Rev. neur., Par., 1928, 35: pt 2, 701-9.—**Berry, R. J. A., & Bates, R. M.** A case of porencephalic imbecility. Brit. M. J., 1932, 1: 830-2. Also Stoke Park Monogr. Ment. Defec., 1933, 1: 177-85, pl.—**Bing, R.** The Laurence-Moon-Biedl syndrome (imbecillitas dystrophica complicata) report of 2 cases; a brother and a sister. Norsk mag. lægevid., 1931, 92: 950-65.—**Brander,**

T. [Who is an imbecile? statistics and citations on the present question] Fin. läk. säll. hand., 1936, 79: 409-20.—**Carlton, T.** The effect of chronological age on revised Stanford-Binet vocabulary score at the moron and imbecile levels. J. Genet. Psychol., 1942, 61: 321-6.—**Earl, C. J. C.** Affective-instinctive factors in the imbecile child. Rep. Brit. Ass. Advance. Sc., 1935, 436. — The affective-instinctive psychology of imbecile children. Brit. J. M. Psychol., 1935-36, 15: 266-78.—**Ehrenwald, H.** Zur hirnpathologischen Analyse einer Imbezillen; zugleich ein Beitrag zur Kenntnis der Senkschrift und experimentellen Spiegelschrift. Zschr. ges. Neur. Psychiat., 1931, 134: 31-49.—**Ekbom, K. A.** [Imbecile woman with hypertrichosis, virile habitus and roentgenological cerebral changes] Sven. läk. tidn., 1937, 34: 1226-31.—**Fölling, A.** Ueber Ausscheidung von Phenylbrenztraubensäure in den Harn als Stoffwechselanomalie in Verbindung mit Imbezillität. Zschr. physiol. Chem., 1934, 227: 169-76.—**Gersten, E.** Beiträge zur Psychopathologie imbeziller Kinder. Ausz. Inaugur. Diss. Med. Fak. Univ. Bern (1935-37) 1938, No. 152, 1-3.—**Lokay, A.** Ueber die hereditären Beziehungen der Imbezillität. Zschr. ges. Neur. Psychiat., 1929, 122: 90-143.—**López Bancalari, E., Delplano, J.** [et al.] Un caso de imbecilidad en relación a la capacidad civil. Sem. méd., B. Air., 1941, 48: pt 2, 1485-96.—**Mahler-Schoenberger, M.** Pseudoimbecility; a magic cap of invisibility. Psychoanal. Q., 1942, 11: 149-64.—**Marchand, L., & Courtois, A.** Imbecilité, Parkinsonisme et épilepsie consécutifs à une encéphalopathie infantile. Bull. Soc. clin. méd. ment., Par., 1928, 16: 57-60.—**Mauriac, P.** Les malins directeurs et les imbeciles dirigés. Progr. méd., Par., 1939, pt 1, 22.—**Nogales Puertas, B.** Estudio psiquiátrico-legal de un imbecil. Med. ibera, 1933, 27: pt 1, 521-6.—**Obarrio, J. M., Coletti, T. F., & Zavaleta, M. A.** Insania civil por imbecilidad. Rev. argent. neur., 1928, 2: 46; passim.—**Ostmann.** Ueber unsere Imbezillen. Allg. Zschr. Psychiat., 1928, 88: 88-107.—**Patry, F. L.** Case notes in extramural psychiatry; mental deficiency, imbecility, in an 11-year-old white male. Med. Times, N. Y., 1941, 69: 510-2.—**Paulian & Herskovits, E.** Knochenveränderungen bei einem halbidiotischen (kretinoiden) Knaben. Röntgenpraxis, 1939, 11: 181-3.—**Palskuda, W.** Ueber Dementia praecox auf dem Boden der Imbezillität. Allg. Zschr. Psychiat., 1910, 67: 134-43.—**Rodiet, A., & Quéron, P.** Débilité mentale, imbecilité, déséquilibre mental et hérédité. Gaz. hôp., 1936, 109: 351-5.—**Stengel, E.** Studie über die Beziehungen zwischen Geistesstörung und Sprachstörung; über Echolalie und verwandte Phänomene bei Idioten und Imbecillen. Jahrb. Psychiat. Neur., Wien, 1937, 54: 206-40.—**Stern, M. E., & Maire.** Un cas d'aptitude spéciale de dessin chez un imbecile. Arch. méd. enf., 1937, 40: 458-60.—**Zaitsev, A. A.** (Hemato-placental therapy of juvenile imbecility) Nevropat. psikiat., 1941, 10: No. 6, 30.—**Zappert, J.** Acquired imbecility in children. Ars medicæ, Basel, 1939, 17: 197-201.

IMBELLONI, J.

See Dembo, A., & Imbelloni, J. Deformaciones intencionales. 348p. 20½cm. B. Air., 1938.

IMBERT, Alexandre.

See Herpin, A., & Imbert, A. Prothèse amovible. 387p. 24½cm. Par., 1939.

IMBERT, Alexandre, 1894—

*Influence des variations météorologiques sur la santé du nourrisson. 92p. 8° Par., L. Arnette, 1930.

IMBERT, Joseph, 1896—

*La périlobulite et le retour à la notion de la tuberculose pulmonaire interstitielle [Paris] 53p. pl. 8° Gournay-en-Bray, A. Letresor, 1930.

IMBERT, Léon, 1854—

Dor, J. Médaille de M. le Prof. Léon Imbert. Presse méd., 1938, 46: 243.—Portrait. Ibid., 1551. Also Marseille méd., 1938, 75: pt 1, 65.

— & **IMBERT, Raymond.** Manuel de curiethérapie. 215p. diagr. 8° Par., Masson & cie, 1932.

IMBERT, Nath.

Editor of Dictionnaire national des contemporains. 608p. fol. Par., 1936.

IMBERT, Raymond.

See Imbert, L., & Imbert, R. Manuel de curiethérapie. 215p. 8° Par., 1932.

— **MOSINGER, M., & HAIMOVICI, H.** Les métrorragies ménopausiques et post-ménopausiques; étude étiologique, clinique et biologique. 193p. illust. 8° Par., J. B. Baillière, 1936.

IMBIBITION.

See also Cell, Imbibition; Colloid, Hydration, etc.

Kohler, D. Rôle des non-électrolytes dans le phénomène d'imbibition. C. rend. Soc. biol., 1936, 122: 1050-2.—**Kovář, L.** On the influence of surface active substances upon the

imbibition of plant tissues; imbibition of potato tuber in monovalent alcohols and in chloralhydrate, studied by the auxographic method. Protoplasma, Lpz., 1929-30, 8: 585-627.

IMFELD, Justus. *Die Frühgeburtensterblichkeit an der Basler Kinderklinik. p.47-63. tab. 24½cm. Basel, S. Karger, 1941.

Also Ann. Paediat., 157:

IMFELD, Walther, 1911— *Die Ohrerkrankungen nach Kohlenoxydvergiftung. 39p. 22cm. Zür., H. Borsig, 1938.

IMHAEUSER, Alwin [Ferdinand August] 1897— *Ueber Neurofibromatose am Gaumen. 28p. 11. 8° Berl. [n. p.] 1932.

IMHAEUSER, Hedwig, 1903— *Ueber Beziehungen der Spina bifida zu Missbildungen am Medullarrohr, insbesondere zur Syringomyelie. 31p. 8° Kiel, A. C. Ehlers, 1935.

IMHAEUSER, Wilhelm. *Ueber die Einwirkung von Milzextrakt auf das rote Blutbild. 36p. 8° Münch. [n. p.] 1926.

IMHOF, Albert, 1878-1926.

Blachian. Nekrolog. Psychiat. neur. Wschr., 1927, 29: 115.

IMHOF, Arthur, 1901— *Die Entwicklung der zahnärztlichen Chirurgie seit Jahrhundertbeginn [Tübingen] 38p. 8° Laufen, Vereinsdr. [1930]

IMHOF, Nikolaus, 1905— *Fieber unter der Geburt [Würzburg] 33p. 21cm. Lingen-Ems, R. van Acken, 1938.

IMHOF, Ottmar, 1908— *Untersuchungen über die als Karzinom behandelten, aber nicht als Karzinom geführten Fälle. 19p. 8° Münch., L. Mössl, 1934.

IMHOF, Robert. *Ein Fall von Kindersarcom [Zürich] 58p. 8° Brugg, Fisch, Wild & co., 1882.

IMHOF [Sebastian] & MEYSTRE, Fritz. Generalregister über die Gesetze, Verordnungen, Erlasse und Bescheide für die deutsche Krankenversicherung für die Jahre 1933-37. 309p. 20cm. Berl., Paetz-Rink Verl. [1938]

IMHOFF, Karl, 1876— The arithmetic of sewage treatment works; authorized translation from the German by G. M. Fair. viii, 99p. pl. 12° N. Y., J. Wiley & Sons, 1929.

IMHOLZ, Alfred, 1912— *Die Beziehungen des Reticulolumendothels zum Umsatz des Nighthämoglobineisens [Bern] 25p. tab. diagr. 23cm. St. Gallen, Buchdruck. Ostschweiz, 1941.

IMHORST, Ilse, 1906— *Die Mundschleimhaut- und Zahnveränderungen in ihrer Beziehung zur Schwangerschaft [Berlin] 22p. 8° Charlottenb., Gebr. Hoffmann, 1934.

IMHOTEP.

HURRY, J. B. Imhotep, the vizier and physician of King Zoser and afterwards the Egyptian god of medicine. 2. ed. 211p. 8° 16 pl. Lond., 1928.

Garry, T. G. Imhotep; the reputed first physician and Egyptian God of Medicine. Med. Times, N. Y., 1929, 57: 279-82.—**Imhotep**, earliest historical practitioner and Father of Medicine. Clin. M. & S., 1940, 47: 87, pl.—**Sarton, G.** Imhotep [two statuettes in the Boston Museum] Isis, Bruges, 1930, 14: 226, pl.

IMIDAZOL.

See also Amides; Amines; Amino-acids; Blood chemistry, Imidazol; Diazo-compounds; Histamine; Histidine.

Green, H., & Day, A. R. The tautomeric character of the imidazole ring. J. Am. Chem. Soc., 1942, 64: 1167-73.—**Guggenheim, M.** Imidazolverbindungen. In his Biogen. Amine, Basel, 1940, 334-414.—**Hunter, G., & Hlynka, J.** Synthesis of 4- (or 5-) carbamidoglyoxaline. Biochem. J., Lond., 1937, 31: 488. — On a new indigoid formed from the glyoxaline (iminazole) nucleus. Canad. J. Res., 1941, 19: Sect. B, 305-9.—**Hunter, G., & Nelson, J. A.** On 4- (or 5-) aminoglyoxaline (iminazole). Ibid., 296-304.—**Hunter, G., & Raragosky, T. M.** On the determination of urinary glyoxalines

(iminazoles). Ibid., 310-7.—Kapeller-Adler, R., & Kohut, H. Ueber Imidazolkörperausscheidung im Säugetierharn. *Biochem. Zschr.*, 1934, 272: 341-7.—Kirby, A. H. M., & Neuberger, A. Glyoxalines; the determination of their pK values and the use of their salts as buffers. *Biochem. J.*, Lond., 1938, 32: 1146-51.—Koessler, K. K., & Hanke, M. T. Studies on proteinogenous amines; a microchemical colorimetric method for estimating imidazole derivatives. *J. Biol. Chem.*, 1919, 39: 497-519. — Studies on proteinogenous amines; the excretion of imidazoles in the urine under normal and pathological conditions with special consideration of nephritis. Ibid., 1924, 25, 59: 803-34.—Lang, K. Ueber die Ausscheidung von Imidazolkörpern und den intermediären Aminosäurestoffwechsel im Hochgebirge. *Biochem. Zschr.*, 1939, 301: 362-7.—Lelu, P. Le métabolisme de l'imidazole. *Bull. Soc. chim. biol. Par.*, 1935, 17: 637-56. Also *C. rend. Acad. sc.*, 1935, 200: 353-5. — Valeur de la méthode de Hanke et Koessler pour l'appréciation de l'imidazologie. *Bull. Soc. chim. biol. Par.*, 1936, 18: 1636-49. — L'origine digestive ou métabolique de l'imidazologie chez diverses espèces animales. Ibid., 1937, 19: 292-302. — Vitesse horaire de l'imidazologie dans le métabolisme protéique exogène. Ibid., 490-5.—Loeper, M., Lesure, A. [et al.] Recherches sur les imidazols. *Progr. méd.*, 1935, 489-93.—Loeper, M., Lesure, A., & Mougeot, A. Les imidazols de quelques aliments. *C. rend. Soc. biol.*, 1935, 119: 173-5. Also *Progr. méd.*, 1935, 909.—Loeper, Mahoudeau [et al.] Imidazologie après l'administration d'extraits de foie. Ibid., 1934, 1041.—Loeper, M., Perrault, M., & Bioy, E. La crise d'imidazols à la période critique de certaines maladies. *Presse méd.*, 1934, 42: 1973.—Markert, W. Recherches sur les imidazols dans le sérum sanguin et les urines, particulièrement dans les affections du système circulatoire et des reins. *Bull. internat. Acad. polon. sc.*, 1938, 773-85.—Riegert, A. Sur un procédé nouveau d'adsorption et d'éluion; son application à l'isolement des imidazols urinaires. *C. rend. Soc. biol.*, 1939, 132: 115-7.—Szendrő, P. Untersuchungen über photochemische Umwandlungen von Imidazolverbindungen. *Arch. ges. Physiol.*, 1931, 228: 742-50.—Wrede, F., & Feuerriegel, G. Die Aufspaltung des Imidazolringes in einer aus Eiweiss dargestellten Base $C_5H_7N_3O$. *Zschr. physiol. Chem.*, 1932, 205: 198-200.—Wrede, F., & Holtz, P. Ueber Imidazolyl-ethylalkohol und Imidazolyl-acetaldehyd. *Arch. ges. Physiol.*, 1934, 234: 432-6.

Benzimidazol.

Lohmar, R., Dimler, R. J. [et al.] Carbohydrate characterization; the identification of hexuronic or saccharic acids as benzimidazole derivatives. *J. Biol. Chem.*, 1942, 143: 551-6.—Phillips, M. A. Bis-benzimidazols. *J. Am. Chem. Soc.*, 1942, 64: 187.—Richtmyer, N. K., & Hudson, C. S. A benzimidazole rule for the determination of configuration of the aldonic acids and related compounds. Ibid., 1942, 64: 1612.—Roeder, C. H., & Day, A. R. Benzimidazole studies; the mechanism of benzimidazole formation from o-phenylenediamine. *J. Org. Chem.*, 1941, 6: 25-35.—Shriner, R. L., & Upson, R. W. Bis-benzimidazoles. *J. Am. Chem. Soc.*, 1942, 64: 187.

methyl.

Axmacher, F. Die Steigerung der spinalen Reflexerregbarkeit durch Methylimidazol. *Arch. exp. Path., Berl.*, 1937, 185: 707-31.—Darby, W. J., Lewis, H. B., & Totter, J. R. The preparation of 4(5)-hydroxymethylimidazole. *J. Am. Chem. Soc.*, 1942, 64: 463.

Pharmacology.

Burgess, J. P., & Ivy, A. C. Effect of some imidazoles on gastric secretion. *Proc. Soc. Exp. Biol.*, N. Y., 1930-31, 28: 115.—Fiessinger, N., & Minoli, R. F. La acción nefrotóxica de los amidazoles en la rata. *Día méd.*, B. Air., 1942, 14: 1049.—Glees, M. Ueber die Wirkungen eines neuartigen Imidazolins (Priscol-Ciba) auf das Auge. *Arch. Ophth., Berl.*, 1939, 140: 497-501.—Hartmann, M., & Isler, H. Chemische Konstitution und pharmakologische Wirksamkeit von in 2-Stellung substituierten Imidazolinen. *Arch. exp. Path., Lpz.*, 1939, 192: 141-54.—Loeper, M., & Mougeot, A. L'action hydrogène de quelques imidazols. *C. rend. Soc. biol.*, 1935, 118: 510. — & Aubertot, R. Sur l'action vasculaire de quelques imidazols. Ibid., 1934, 116: 33.—Loeper, M., Mougeot, A., & Parrod, J. L'action toxique de quelques imidazols. Ibid., 1935, 118: 405.—Meier, R., & Meyer, R. T. Ueber den peripheren Angriffspunkt des Priscols am Gefäßsystem. *Schweiz. med. Wschr.*, 1941, 71: 1206.—Meier, R., & Müller, R. Gefäßwirkung eines neuen Imidazol-Derivates. Ibid., 1939, 69: 1271-5, pl.—Pauly, H., & Neumann, W. Ueber pharmakologische Wirkung jodierter Imidazolverbindungen, insbesondere auf den Stoffwechsel. *Arch. exp. Path., Lpz.*, 1937, 187: 571-80.—Sakuraba, S. Ueber die Wirkung des Imidazols und seiner alkylaminfreien Derivate. *Tohoku J. Exp. M.*, 1934, 23: 1-22.—Thiele, W. Priscol, ein neues Mittel für die Magen-diagnostik. *Klin. Wschr.*, 1940, 19: 620 (microfilm).

IMIG, Fritz, 1902—*Die Verwertbarkeit der Komplementbindungsreaktion zur Diagnose der Bornaschen Krankheit und der Tollwut [Giessen] p.403-21. 8° Jena, G. Fischer, 1928. Also *Zschr. Immunforsch.*, 1928, 56:

IMINE [incl. acids]

See also Amines; Amino-acids; also Piperidine; Pyrrolidine.

Mayer, C. Condensation des imines aromatiques avec les aldéhydes grasses. *Bull. Soc. chim. France*, 1940, 5. ser., 7: 481-5 (microfilm)—Schlesinger, N. A. [Cu salts of bis-imino-acids] *J. Russ. fiz. khim. obsch.*, khim. ch., 1914, 46: 1575-9. — [On ethylene-bis-(α -imino-acids)] Ibid., 1579-97. — [Heptamethylene-bis-(α -imino-acids) and stereoisomerism of their copper salts] Ibid., 1915, 47: 1811-9. — [Supposed instability of imino acids of high molecular weight] Ibid., 1183-90. — [Tri- and pentamethylene-bis-(α -imino acids)] Ibid., 1160-83.—Sniesarev, A. P. [Synthesis in the series of α -iminonitriles] Ibid., 1914, 46: 206-17.—Stadnikov, G. L. [Imino-acids] Ibid., 1915, 47: 1792-6.

IMITATION.

See also Adaptation; Learning; Mimicry.

Baratono, A. Imitazione e istinto. *Q. psichiat.*, Genova, 1926, 13: 91-6.—Bernard, L. L. The social function of imitation. In his *Introduct. Sociol.*, N. Y., 1942, 633-53.—Bird, C. Imitation. In his *Social Psychol.*, N. Y., 1940, 229-57.—Deeroly, Quelques aspects de l'imitation chez l'enfant de 0 à 6 ans, vus par la photographie animée. *C. rend. Congr. internat. enf.* (1931) 1933, 239-50.—Faris, E. The concept of imitation. In his *Nature of Hum. Nat.*, N. Y., 1937, 73-83.—Groos, K. Ueber das Nachahmen. *Zschr. Psychol. Physiol. Sinnesorg.*, 1. Abt., 1939, 145: 358-89.—Guernsey, M. Eine genetische Studie über Nachahmung. Ibid., 1928, 107: 105-78.—Guillaume, P. Les premiers stades de l'imitation chez l'enfant. *J. psychol. norm. path.*, Par., 1926, 23: 872-6.—Humphrey, G. Imitation and the conditioned reflex. *Pedag. Semin.*, Worcester, 1921, 28: 1-21.—Löhnberg, E. Die Typen der Nachahmung bei den primitiven Völkern. *Arch. ges. Psychol.*, 1933, 88: 77-130.—Nass, G. Gestaltauffassung und Nachbildung; berufspsychologische Untersuchungen zur Methodik der Feststellung gestaltbildender Fähigkeiten. *Zschr. angew. Psychol.*, 1932, 41: 425-72.—Ross, E. A. Acquisitive mimicry. *Am. J. Sociol.*, 1916, 21: 433-45.—Smås (De) härmningslust. Hålsövännen, Stockh., 1909, 24: 43.—Soria, B. Dos casos de imitación. *Actas Congr. nac. med.*, Rosario, 1934, 5: pt 4, 1104-9.—Sugar, N. Zur Frage der mimischen Bejahung und Verneinung. *Internat. Zschr. Psychoanal.*, Lond., 1941, 26: 81-3.—Taylor, W. S. A demonstration of suggestion and involuntary imitation for the classroom. *Psychol. Rev.*, 1928, 35: 167-71.—Valentine, C. W. The psychology of imitation, with special reference to early childhood. *Brit. J. Psychol.*, Gen. Sect., 1930-31, 21: 105-32.

in animals.

Akhmeteli, M. N. [Study of imitation among pigeons] *Biull. eksp. biol. med.*, 1940, 10: 95-7.—Allard, H. A. Vocal mimicry of the starling and the mockingbird. *Science*, 1939, 90: 370.—Ball, J. A case of apparent imitation in a monkey. *J. Genet. Psychol.*, 1938, 52: 439-42.—Cipriani, L. Le uova mimetiche del cuculo come indizio di importanti possibilità organiche. *Riv. biol.*, 1926, 8: 459-72.—Heikertinger, F. Die Ameisenmimese; die Tastmimese. *Biol. Zbl.*, 1926, 46: 593-625. — Die Ameisenmimese; die Lösung des Problems. Ibid., 1927, 47: 462-501.—Poulton, E. B. Mimicry between the genera of certain African Nymphaline butterflies. *Rep. Brit. Ass. Advance. Sc.* (1913) 1914, 519.—Shepherd, W. T. Imitation in racoons. *Am. J. Psychol.*, 1911, 22: 583-5.—Study, E. Die Gattung Thithore und ihre Nachahmer. *Zool. Jahrb.*, Abt. allg. Zool., 1925-26, 42: 428-40, pl.—Warden, C. J., & Jackson, T. A. Imitative behavior in the rhesus monkey. *J. Genet. Psychol.*, 1935, 46: 103-25.

IMMANUELISM.

See Faith-cure.

IMMATURITY.

See Dwarfism; Growth (human) Disorder; Infantilism; Prematurity.

IMMEL, Reinhard, 1911—*Untersuchungen über die Bedeutung der Blutdruckunterschiede zwischen oberer und unterer Extremität [Berlin] 35p. 21cm. Oldenb., A. Littmann, 1937.

IMMELMANN, M.

See Fürstenau, R., Immelmann, M., & Schutze, J. Leitfaden des Röntgenverfahrens. 8° Stuttg., 1921.

IMMENDORFER, Irene, 1898—*Ueber die Behandlung des Keratokonus mit Kontaktschalen und Kauterisation an der Universitäts-Augenklinik Tübingen in den Jahren 1921-29, 23p. 8° Tüb., E. Göbel, 1930.

IMMENIN.

See Bee, Venom.

IMMENKAMP, Alois, 1906— *Die Progenie im Kindesalter. 23p. 8°. Münster, Helios-Verl., 1929.

— Die Stellung der Elektrochirurgie im Rahmen der operativen Zahnheilkunde. 91p. illust. 8°. Berl., H. Meusser, 1933.

— Electrosurgery in dentistry. 37p. illust. 8°. N. Y., Am. Cystoscope Makers, 1938.

IMMENKOETTER, Elisabeth, 1911— *Aetiologie der Perichondritis. 32p. 8°. Bresl., K. Klossok, 1938.

IMMENKOETTER, Franz, 1912— *Die Wirkung des Octinum in schmerzstillenden Arzneigemischen [Münster] 20p. 8°. Werne-Lippe, F. Grube, 1935.

IMMER, Hans Georg. *Ueber die Anwendung von Adal und Tiranal zur indirekten Pulpaüberkappung; klinische und histologische Studien. 32p. 7 pl. 23½cm. Basel, Philogr. Verl., 1938.

IMMERMAN, Hyman O., 1901— *Ueber familiäre Neurinomatoses Recklinghausen. 31p. 8°. Zür., Gebr. Leemann & co., 1935.

IMMERMANN, Georg. *Die Erfolge der Iridectomie bei Iridochorioiditis. 107p. 8°. Basel, M. Werner-Riehm, 1903.

IMMERSCHITT, Josef, 1908— *Ueber die Anwendungsmöglichkeit der faradischen Ströme zu diagnostischen Zwecken in der konservierenden Zahnheilkunde. 24p. 8°. Würzb., Gebr. Memminger, 1934.

IMMERSION system.

See under Microscopy.

IMMERWAHR, Paul, 1899— *Beitrag zur Lehre vom Aufbau der Wahnkrankheiten; erotische Wahnbildungen [Breslau] 36p. 8°. Beuthen, M. Immerwahr [1925]

IMMESBERGER, Alois, 1909— *Soziale und ethische Probleme bei der Kinstestötung. 19p. 8°. [Heidelb., Hakenkreuzbanner Verl., 1936]

IMMIGRATION.

See under Emigration; Migration.

IMMING, Ernst, 1873— Die Behandlung pulpa- und wurzelkranker Zähne. 4. Aufl. viii, 471p. 8 pl. 8°. Berl., der Verfasser, 1929.

— Repetitorium für Dentisten. 595p. 8°. Berl., Dent. Verl., 1931.

— **SPEIER, A., & MARKWITZ, E.** Fachwörterbuch für Dentisten. 2. Aufl. 268p. 8°. Berl., Dent. Verl., 1931.

IMMING [Wilhelm Hermann Ernst] Günther, 1909— *Ein Beitrag zum sporadischen Skorbut. 19p. 8°. Berl., O. Rahneberg, 1935.

— *Ueber operative Heilung von Antrum-Mundhöhlenfisteln. 19p. 8°. Berl., R. Pfau, 1935.

IMMINK, Béatrice Dorothée Christina Maria. *Bijdrage tot de kennis van den bouw van den voordarm van *Sclerostomum edentatum* Looss. 88p. illust. tab. fold. pl. 23½cm. Leiden, E. Ydo, 1921.

IMMOLATION.

See under Anthropophagy; Sacrifice.

IMMORALITY.

See Behavior, Disorders; Ethical sense, Disorders; Ethics; Morality; Morals; Personality, Disorders.

IMMORTALITY.

See also Apparitions; Life; Parapsychology; Religion; Soul.

DENNERT. Gibt es ein Leben nach dem Tode? beantwortet vom naturwissenschaftlich-philosophischen Standpunkte. 2. Aufl. 78p. 8°. Bonn, 1915.

FARNELL, L. R. Greek hero cults and ideas of immortality. 434p. 8°. Oxf., 1921.

LI TAÏ. Le mystère posthume; causerie médicales sur la mort et la survie. 3. éd. 192p. 12°. Par., 1901.

Boas, F. The idea of the future life among primitive tribes. In his *Race Language & Cult.*, N. Y., 1940, 596-607.—**Bou-noure, L.** L'immortalité est-elle un attribut de la vie? *Rev. gén. sc. pur.*, 1932, 43: 541-55.—**Carrel, A.** The immortality of animal tissues and its significance. *Good Health*, 1933, 68: 10-20.—**Eisen, W.** Death and immortality in the beliefs of primitive peoples; notes to the interpretation of the late K. T. Preuss. *Man, Lond.*, 1939, 39: 172-4.—**Frazer, J. G.** Idée de l'autre vie chez les Karins. In his *Native Races of Asia*, Lond., 1939, 30. — Le Thvœu bon phœdum baen ou fête de la réunion au gîte des ancêtres. *Ibid.*, 69. — Spirit worship. *Ibid.*, 48. — Spirit worship of the people of Kengtung. *Ibid.*, 58.—**Lawrence, A. E., & Hewitt, J.** Some aspects of spirit worship amongst the Milano of Sarawak. *J. R. Anthropol. Inst. Gr. Britain*, 1908, 38: 388-408, pl.—**Lucka, E.** Gedanken über Unsterblichkeit. *Zschr. Menschenk.*, 1932-33, 8: 305-15.—**MacDonald, A.** Sure way to live after death. *J. Ayurveda*, 1934, 11: 213-5.—**Mörchen, F.** Wirklichkeitssinn und Jenseitsglauben. *Zschr. Religionspsychol.*, 1909, 3: 217-35.—**Näcke, P.** Der angebliche Gottes- und Unsterblichkeitsglaube bei den prähistorischen Völkern. *Ibid.*, 1910, 4: 73-84.—**Patterson, R. L.** Universals and immortality. *Psychol. Bull.*, 1942, 39: 587.—**Street, J. R.** A genetic study of immortality. *Pedag. Semin.*, Worcester, 1898-99, 6: 267-313.—**Westaway, F. W.** Immortality. In his *Science in the Dock*, Lond., 1942, 123-6.—**Zilboorg, G.** The sense of immortality. *Psychoanal. Q.*, 1938, 7: 171-99.

IMMUNE body.

See Amboceptors; Antibodies; also specific names of immune bodies as Agglutinins; Hemolysin; Precipitin, etc.

IMMUNE serum.

See also Biological products; Blood serum, Immunological aspect; Immunity; Immunization; Serum; Serology; also special names of antibacterial sera as Diphtheria, Antiserum; also names of immune bodies as Agglutinins for agglutinating sera, etc.

Bonse, M. Les antisérums. *C. rend. Soc. biol.*, 1933, 113: 88.—**Glusman, A. I.** [Curative serums] *Radianska med.*, 1941, 6: No. 2, 3-9.—**Levin, J. V.** [Purified and concentrated medicinal serums] *Sovet. vrach. J.*, 1937, 41: 1862-6.—**Serumpräparaten.** *Reichsgesundhbl.*, 1935, 10: 691.

— Biological properties.

See also Immunization, Mechanism.

GORET, P. *Du rôle des humeurs dans l'immunité; culture des microbes pathogènes sur les sérums normaux et sur les sérums immunisants [Alfort] 128p. 8°. Par., 1931.

OLDFELT, C. O. *Oxygen consumption and growth and the effect of immune and normal sera; in vitro studies on 2 bacterial strains. 260p. 24cm. Stockh., 1942.

ZEH, O. *Ueber die Wirkungsweise des Milzbrand-Hühnercholera- und Schweineseucherserums. 37p. 8°. Bonn, 1909.

Amako, T. H. Ueber den Einfluss des Immunsersums auf die Lebenserscheinungen der Bakterien. *Fukuoka acta med.*, 1928, 21: 16. Also *Zbl. Bakt.*, 1. Abt., 1930, 116: 506-16.—**Aeki, K.** Ueber die Spezifität von Immunsera, zugleich über die Serumdiagnostik von Bakterien. *Zschr. Immunforsch.*, 1931, 70: 217-22.—**Baumann, A., & Witebsky, E.** Un nouveau phénomène pour la démonstration de la toxicité du sérum. *Ann. Inst. Pasteur, Par.*, 1934, 53: 282-9.—**Bessho, T.** Untersuchungen über die Schutz- und Heilkraft des Vaccine-serums. *Ausz. Inaugur. Diss. Med. Fak. Univ. Bern*, 1924-26, No. 19, 1.—**Besson, A., & Ehringer, G.** A propos des sérums thérapeutiques: purification et concentration; localisation chimique des propriétés spécifiques. *Presse méd.*, 1926, 34: 1075-7.—**Brocq-Rousseau, D.** Action des sérums thérapeutiques chez des

- cobayes ayant ingéré antérieurement du sérum normal de cheval. C. rend. Soc. biol., 1937, 125: 487-9.—**Camus, L.** De l'action curative du sérum virulicide. Ibid., 1912, 73: 294-7.—**Cremer, J.** Ueber das Blutbild unter der Einwirkung von Heilserum. Verh. Deut. Ges. inn. Med., 1938, 50. Kongr., 310-2.—**Dujarric de la Rivière, R., Kossowitch, N., & Ishii, S.** Haptènes et inhibition du pouvoir hémolytique de certains immun-sérums. C. rend. Soc. biol., 1936, 122: 1045-8.—**Elissuisky, M.** [Results from the study of flocculating and precipitating properties of antibacterial serums] Mikrob. J., Leningr., 1931, 13: 5-22.—**Fugazza, E.** Les sérums spécifiques pour certains germes en excitent-ils le développement in vitro? Boll. Sez. ital. Soc. internaz. microb., 1930, 2: 47.—**Gordon, J., & Hoyle, L.** The bactericidal action of serum against Meningococcus, Gonococcus and Micrococcus catarrhalis. J. Path. Bact., Lond., 1936, 43: 537-44.—**Grijns, G.** Serological methods in botanical systematics; preliminary note: on specific serum prepared in vitro. Versl. Akad. wet. Amsterdam, Afd. natuurk., 1928, 37: pt 2, 918-23.—**Heinsen, H. A., & Biedenkopf, H.** Ueber eine vorzeitige lymphocytäre Heilphase bei Diphtherie und Scharlach nach spezifischer Serumbehandlung. Deut. Arch. klin. Med., 1937-38, 181: 318-24.—**Hyde, R. R.** A comparative study of the toxicity of ox serum and immune heterophile serum for the guinea pig. Am. J. Hyg., 1927, 7: 1-10.—**Ide, M.** Inefficacité des sérums sur les microbes inclus dans les cellules. Rev. méd., Louvain, 1934, 97-100.—**Immunizing (The) value of the blood clot of hyperimmunized animals.** J. Am. Vet. M. Ass., 1941, 98: 154.—**Kimura, R.** Ueber die zytotoxische Wirkung eines Kaninchenimmunsersums auf Hühnerzellen in vitro. Arch. exp. Zellforsch., 1927, 4: 185-7.—**Ueber die Wirkung der Kaninchenimmunsersums auf die Zellen in vitro, mit Berücksichtigung der serologischen Reaktionen.** Zschr. Immunforsch., 1928, 55: 501-11.—**Kovářík, K.** Ujabb tapasztalatok a szérumok hatásáról. Allatorv. lap., 1909, 32: 563-6.—**Köves, J., & Hoffmann, F.** Ueber den Wirkungsgrad der Immunsersums zu verschiedenen Zeitpunkten nach der Einspritzung. Deut. tierärztl. Wschr., 1941, 49: 73-5.—**Manteufel, P., & Zantop, H.** Untersuchungen über die Immunitätsreaktionen der Antisera gegen kochkeagulierte Blutzellen. Arch. Hyg., München, 1930, 103: 75-83.—**Mirto, F.** Sull'azione ecobolica dei sieri citotossici. Atti Soc. lombard. sc. med., 1912, 1: 406-42.—**Periti, E.** Proprietà agglutinanti dei sieri e glicemia. Riforma med., 1927, 43: 171-4.—**Ponomarev, A. V.** Quelques conditions de l'action sur l'organisme des sérums antidiphthérique et antidyssentérique. C. rend. Soc. biol., 1927, 97: 505. Also Arkh. biol. nauk., 1928, 28: 463-70. Also Zschr. ges. exp. Med., 1929, 64: 126-32.—**Puccinelli, E., & Salvetti, B.** Sopra i rapporti fra l'azione tossica degli antisieri eterogenetici nella cavia iniettati o per via venosa o per via carotidea. Pathologia Genova, 1933, 25: 621-5.—**Reiner, L., & Fischer, O.** Beiträge zum Mechanismus der Immunkörperwirkung; die Rolle des Ambozeptors und des Komplements bei der Zytolyse. Zschr. Immunforsch., 1929, 61: 317-35.—**Ritossa, P.** Sui reperti anatomopatologici ed istopatologici nelle cavie trattate con sieri leucocitici omologhi e sulla parasspecificità dei sieri citotossici. Pathologia, Genova, 1938, 30: 331-7.—**Sauer, M. E.** The cytotoxic principle in anti-euglena rabbit serum. J. Immun., Balt., 1935, 29: 157-64.—**Sibitzker, D. H.** [Anaphylactic properties of natural, heated and purified therapeutic serums] J. mikrob., Moskva, 1939, No. 11, 156-61, pl.—**Specificité (La) des sérums.** J. sc. méd. Lille, 1920, 38: pt 1, 305-8.—**Stein, J.** [Effect of cytotoxic immune serums and heterogenous serums on tissue culture in vitro] Warsz. czas. lek., 1938, 15: 761-4.—**Strimpe, V.** [Cerebro-toxic serum] Bratisl. lek. listy, 1925-26, 5: 736-41.—**Széles, L.** [Preconditions of effects of specific immunsera] Allatorv. lap., 1933, 56: 103-8.—**Thomson, S.** The effect of injections of serum on haemolytic complement, with particular reference to Bordet's anti-immune-body effect. J. Path. Bact., Lond., 1938, 47: 395-404.—**Tuji, S., Tikamiztu, H.** [et al.] Ueber die Hautreaktion durch organozytotoxische Immunsersums. Tr. Soc. path. jap., 1940, 30: 460-72.—**Zozaya, J.** Immunological reactions between dextran polysaccharide and some bacterial antisera. J. Exp. M., 1932, 55: 353-60.
- D. C.** Physico-chemical changes in a therapeutic serum due to concentration and their effect on its absorption. Ind. J. M. Res., 1938-39, 26: 741-52.—**Landsteiner, K., & Van Der Scheer, J.** Precipitin reactions of immune sera with simple chemical substances. Proc. Soc. Exp. Biol., 1932, 29: 747.—**Lecomte du Nôuy, P.** Some physico-chemical characteristics of immune serum. In Colloid Chem. (Alexander, J.) N. Y., 1928, 2: 775-92.—**Loiseleur, J.** Sur la viscosité des sérums antitétanique ou antidiphthérique en présence de leurs antigènes. C. rend. Soc. biol., 1938, 128: 1105-8.—**Lucengo, N.** Sobre algunos constantes físicos de los sueros terapéuticos. Bol. técn. Dir. gen. san., Madr., 1931, 6: 732-43.—**Modern, F., & Ruff, G.** El fraccionamiento protéico de los sueros durante la inmunización. Rev. Soc. argent. biol., 1938, 14: 429-34.—**Pepeu, F., & Pauli, P.** Contributo allo studio del riassorbimento dei sieri curativi concentrati e non concentrati. Boll. Ist. sieroter. milan., 1929, 8: 529-32.—**Puccinelli, E.** Sull'azione fisiopatologica dei sieri eterologici normali e degli antisieri; influenza del formolo sulla proprietà tossiche ed emolitiche dei sieri normali. Pathologia, Genova, 1931, 23: 140-7.—**Rondoni, P.** Polarimetrische Veränderungen des Serums während des Immunisierungsvorganges. In Probl. biol. med. (Leontovich, A. V.) Moskva, 1935, 636-40.—**Rubinstein, M., & Fischer, A.** Transformations chimiques des protéides du sérum au cours de l'immunisation. Bull. Acad. méd., Par., 1934, 3. ser., 111: 250-2.—**Schmidt, A. A., & Tuljchinskaja, K.** Biochemische Beiträge zur Immunitätsforschung; der Einfluss der Immunisation auf den Serum-Eiweißkörpergehalt. Zschr. Immunforsch., 1931, 70: 8-19.—**Schultze, H. E.** Ueber die Proteolyse von Immunsersums durch Pepsin bei schwach saurer Reaktion; Beiträge zur enzymatischen Eiweißanalyse. Biochem. Zschr., 1940, 305: 196-222 (microfilm)—**Todd, C.** On a dilution phenomenon observed in the titration of the serum of fowls immunized against the virus of fowl plague. Brit. J. Exp. Path., 1928, 9: 244-52.—**Van der Scheer, J., Wyckoff, W. G., & Clarke, F. H.** The electrophoretic analysis of several hyperimmune horse sera. J. Immun., Balt., 1940, 39: 65-71.—**Wadsworth, A., & Hyman, L. W.** Phospholipids and cholesterol in plasma of immunized horses. Ibid., 1938, 35: 55-69.—**Waters, E. T.** Notes on the immunochemistry of serum. Univ. Toronto M. J., 1940-41, 18: 169-72.—**Vollmann, E., & Bardach M.** Recherches sur la présence d'antigène dans les antisérum par l'épreuve du choc anaphylactique. C. rend. Soc. biol., 1935, 118: 1425-7.—**Zuverkalov, D., & Kucherenko, I.** Die Serum-Eiweißfraktionen bei der Hyperimmunisierung der Schweine. Arch. wiss. prakt. Tierh., 1935, 69: 61-8.

Convalescent serum.

- JORDAN, C. F., & VAUBEL, E. K.** Human serum for human ills. 15p. 22cm. Des Moines, Iowa, 1940.
- STILLMUNKES, A.** Les sérums de convalescents; leur emploi dans la prophylaxie et le traitement des maladies infectieuses (poliomyélite, rougeole, scarlatine, etc.) 171p. 8° Par., 1937.
- Béguet, M.** Organisation et fonctionnement du service des sérums de convalescents à l'Institut Pasteur d'Algérie. Arch. Inst. Pasteur Algérie, 1938, 16: 232-41, 4 pl.—**Borrel, A., & Loewenberg, E.** L'activité du centre de sérum de convalescent de Strasbourg, 1934-36. Bull. Acad. méd., Par., 1936, 3. ser., 115: 878-82. Also Méd. inf., Par., 1936, 43: 251-7.—**Cibils Aguirre, R., & Saguier, J. C.** Utilidad de crear el centro municipal de aprovisionamiento de suero de convalescentes. Rev. med., B. Air., 1940, 2: 316-22.—**Clarke, F.** Therapy of convalescent human serum. Nebraska M. J., 1939, 24: 55-8.—**Clauden, D. B., Miller, G., & Handgrove, M.** Incidence of positive serologic reactions among donors of human convalescent serum. Vener. Dis. Inform., 1940, 21: 327-9.—**Friedemann, U.** Ueber Verwendung von Rekonvaleszentenenserum zu prophylaktischen und therapeutischen Zwecken. Fortsch. Ther., 1932, 8: 1-4.—**Gonce, J. E., jr.** Convalescent serum therapy. Wisconsin M. J., 1931, 30: 80-4.—**Gordon, A.** Cerebral complications following acute infectious diseases; therapeutic value of convalescent serum. Pennsylvania M. J., 1940-41, 44: 274-8.—**Hardgrove, M.** The Milwaukee convalescent serum center. Minnesota M., 1935, 18: 541.—**Huber, J.** Les sérums de convalescents. Bull. Soc. pédiat. Paris, 1936, 34: 305-7.—**Human convalescent measles serum and human convalescent scarlet fever serum.** J. Am. M. Ass., 1943, 121: 49-51.—**Human convalescent poliomyelitis serum and human convalescent mumps serum; preliminary report of the Council.** Ibid., 1941, 116: 950.—**Hyland, C. M.** Serum center. Mod. Hosp., 1937, 49: No. 5, 44-7.—**Convalescent human serum therapy.** Rocky Mountain M. J., 1942, 39: 679-83.—**LeBlond, J. W.** Les propriétés préventives du sérum des convalescents et leur utilisation dans la prophylaxie des maladies infectieuses. Bull. méd. Québec, 1929, 30: 33-43.—**Lichenstein, A.** Trockenrekonvaleszentenenserum. Med. Klin., Berl., 1932, 28: 299.—**Loewenberg, E.** L'activité du centre de sérum de convalescent de Strasbourg dans la lutte contre les maladies contagieuses (en particulier rougeole, scarlatine et poliomyélite) quelques chiffres pour les années 1930-35. J. méd. Paris, 1936, 56: 417.—**Préparation de sérum de convalescent.** Bull. Acad. méd., Par., 1940, 123: 555-7.—**Sérum de convalescent et maladies contagieuses; rougeole, scarlatine, poliomyélite.** Bol. Sanat. Rafael Lavista, Vera Cruz, 1942-43, 3: No. 4, 3-6.—**McConnell, F.**
- Chemical and physical properties.**
- Adair, G. S., & Adair, M. E.** Osmotic pressures and albumin-globulin ratios of sera of normal and immunized rabbits. J. Physiol., Lond., 1938, 93: Suppl., 11-13.—**Baldassi, G.** Polarimetrie und Refraktometrie während des Immunisationsvorganges bei Pferden. Zschr. Immunforsch., 1934, 82: 336-60.—**Berthelsen, K. C., & Murrick, P. P.** The distribution of electrolytes in serum during immunization. J. Immun., Balt., 1931, 21: 69-84.—**Boucek, J.** Sur la lactogélification des sérums sanguins des animaux immunisés. C. rend. Soc. biol., 1935, 119: 1134-6.—**Dernitz, A., & Scholz, W.** Ueber die Resorption von Heilserumpräparaten mit verschiedener Eiweißkonzentration. Klin. Wschr., 1932, 11: 588-90.—**Hyman, L. W.** Lipids in the plasma of immunized and nonimmunized horses. In Annual Rep. Div. Lab. N. York Dep. Health, 1935, 23.—**Ionesco-Mihaiescu, C., & Damboviceanu, A.** Modifications de certaines constantes du sérum de cheval au cours de l'immunisation. C. rend. Soc. biol., 1930, 104: 1357-9.—**Ionesco-Mihaiescu, C., Damboviceanu, A.** [et al.] Recherches sur les modifications de l'équilibre protéique du sérum sanguin chez les chevaux en cours d'immunisation. Arch. roumain. path., Par., 1935, 8: 269-316.—**Khabas, I. M., & Khaustova, I. M.** [Change of the physico-chemical properties of sera in the process of immunization] Arkh. biol. nauk, 1936, 44: 185-202.—**Lahiri,**

Theory of convalescent serum therapy. Colorado M., 1935, 32: 884-9.—Measles and scarlet fever; immune sera, human, now obtainable in Brooklyn. Bull. M. Soc. Co. Kings, 1940, 19: 149.—Moran, J. La preparación de sueros de convalescentes. Sem. méd., B. Air., 1942, 49: pt 2, 898-906.—Penraddocke, E., & Levinson, S. O. Human convalescent serum. Am. J. Nurs., 1936, 36: 121-3.—Piéchaud, F., & Bentégeat, J. Les sérums de convalescents. J. méd. Bordeaux, 1936, 113: 591-602.—Procháčka, J. [Serums of convalescents and their application in treatment of infectious diseases] Cas. lék. česk., 1937, 76: 37-40.—Profilassi delle malattie infettive col siero di convalescenti. Morgagni, 1924, 66: 1-6.—Ramos Mejia, C. Tubo para extraer sangre de convalescentes. Dia. méd., B. Air., 1938, 10: 1339.—Ribadeau-Dumas. Création de centres de sérothérapie humaine. Bull. Acad. méd., Par., 1937, 3. ser., 118: 416-9.—Salazar, M. Empleo del suero de la sangre de individuos que han padecido ciertas infecciones. Siglo méd., 1927, 74: 405-7.—Souza Coelho, R. de. Do emprego do soro de convalescentes em algumas doenças infecto-contagiosas. Arch. brasil. med., 1928, 18: 496-504.—Stillmunkes, A. Les sérums de convalescents. Rev. gén. sc. pur., 1937, 48: 72-7.—Thalheimer, W. Convalescent serums have proved their value. Mod. Hosp., 1935, 45: No. 5, 53-6.—Convalescent serums; prophylactic and therapeutic value in measles and scarlet fever. Prev. Med., N. Y., 1937, 6: No. 11, 17-9.—The use of convalescent scarlet fever and measles sera in prophylaxis and therapy. Bull. N. York Acad. M., 1938, 14: 361-73.—The value of convalescent scarlet fever, measles and mumps serums in prophylaxis and therapy. Med. Clin. N. America, 1939, 23: 613-33.—Convalescent measles and scarlet fever serums; their use in prophylaxis and therapy. Med. Off., Lond., 1940, 63: 151.—The use of human convalescent serum. N. York State J. M., 1941, 41: 1579-86.—Tumpeier, I. H., & Rubens, E. An inquiry into reagins in convalescent serum indicating its inhibiting effect. J. Allergy, 1939-40, 11: 333-48.—Tunnick, R. Oponors for Diplococcus morbillorum and for Streptococcus scarlatinae in convalescent measles serum, convalescent scarlet fever serum and placental extract. J. Infect. Dis., 1936, 58: 1-4.—Videla, C. A., & Caputo, G. El poder neutralizante de los sueros de convalescentes. An. Policlín. enferm. infec., B. Air., 1940, No. 2, 44-50. Also Rev. med., B. Air., 1940, 2: 434-6.—Welker, D. H. The use of human convalescent serum in pediatrics. Med. Woman J., 1939, 46: 35-8.

— Manufacture.

HENSEVAL, M. Méthodes de contrôle des sérums antidiphthérique, antitétanique et de la tuberculine. 15p. 8° Brux., 1909.

VRIJBURG, B. *Beiträge zur Gewinnung und Prüfung des Antiseraums für biologische Untersuchungen. 68p. 8° [Bern] 1910.

Ando, K., Kee, R., & Komiya, T. Studies on serum fractions; antisera prepared by immunizing rabbits with specific precipitates of pneumococcus S. S. S. and with flocculi of diphtheria-toxin-antitoxin. J. Immun., Balt., 1937, 32: 181-94.—Breinl, F., & Haurowitz, F. Aendungen der Spezifität von Immunsereen nach chemischer Vorbehandlung. Zschr. Immunforsch., 1932-33, 77: 176-86.—Bronfenbrenner, J. A useful modification in the preparation of therapeutic sera. Proc. Soc. Exp. Biol., N. Y., 1929-30, 27: 734.—Bystrén, A. I. [Use of acetone for purification and concentration of therapeutic serums] Vest. mikrob., 1939-40, 18: 208-10.—Cardone, E., & Falk, K. G. The refining of antisera; improvements in the preparation of refined and concentrated pneumococcus and meningococcus antibacterial sera. J. Lab. Clin. M., 1938-39, 24: 417-20.—Cervera, E. Suero anti-alacránico. Bol. Of. san. panamer., Wash., 1936, 15: 142-9.—Chufier, R. L., Hekker, V. D., & Kurgansky, G. A. [Obtaining of mixed serums] J. microb., Moskva, 1937, 19: 207-9.—Décret du 26 août 1936; sur les demandes d'autorisation de fabrication ou de vente de sérums. Bull. Min. san. pub., Par., 1936, 108-13.—Dujarric de la Rivière, R., & Kossowitch, N. Propriétés des immunsérums obtenus par l'inoculation aux animaux de sérums sanguins ayant subi l'action de certains agents physiques; réactions séro-sériques. Ann. Inst. Pasteur, Par., 1940, 65: 63-6 (microfilm).—Dzerzhgovski, S. K. K voprosu o zagotovlenii liechebnikh sivorotok i gosudarstvennom nad nimi kontrolle. Vrach, 1911, 10: 80-5.—Eisler, M. Versuche zur Erzeugung künstlicher Immunsere nach Mez und Ziegenspeck. Zschr. Immunforsch., 1927, 53: 136-50.—Fujita, K. Ueber die Darstellung der vollkommenen spezifischen Seren (Aoki) Ibid., 1935, 86: 84-6.—Gay, F. P., & Clark, A. R. A possible method of enhancing the therapeutic action of anti-bacterial serums. Science, N. Y., 1929, 69: 604.—Goodner, K. Experiments on the concentration of antipneumococcus and antimeningococcus horse sera. J. Immun., Balt., 1930, 19: 473-84.—Guilherme Lacorte, J. Os soros anti-meningocócico e anti-estreptocócico. Acta med., Rio, 1942, 9: 59-65.—Gundel. Antitoxische und bactericide Sera. Klin. Wschr., 1936, 15: 1376.—Landsteiner, K., & Van der Scheer, J. On the production of immune sera for tissues. Proc. Soc. Exp. Biol., N. Y., 1927-28, 25: 140.—Levitov, N. N., & Burdassov, A. I. [Increasing the serum production in hyperimmune horses through reverse introduction of erythrocytes] J. mikrob., Moskva, 1932, 9: 3.—Merrill,

M. H., & Fleisher, M. S. Factors involved in the use of organic solvents as precipitating and drying agents of immune sera. J. Gen. Physiol., 1932, 16: 243-56.—Murdick, P. P. Methods of concentrating antibacterial sera. Annual Rep. N. York State Dep. Health, 1941, 45.—Mutsaers, W. Obtention d'immunsérum par injection de cholestérol absorbé sur du kaolin. C. rend. Soc. biol., 1935, 120: 263-6.—Netter, Sur une proposition d'addition au texte de la loi du 25 avril 1895, visant la préparation, la vente et le débit des sérums thérapeutiques, et autres produits analogues. Bull. Acad. méd., Par., 1912, 3. ser., 67: 293-304.—Nicolas, E., & Bonnard, O. Sur l'obtention d'un antisérum flocculant les extraits lipidiques d'organes et précipitant les protéides sériques du cheval. C. rend. Soc. biol., Par., 1931, 106: 518-21.—Pacheco, G., & Bueller Souto, A. Aplicação do metodo de retorno de Penfold, a sangria dos animais produtores de soros imunizantes. Brasil med., 1937, 51: 805-8.—Pasricha, C. L., Lahiri, M. N., & Paul, B. M. The use of the domestic fowl for the preparation of diagnostic antisera. Ind. M. Gaz., 1939, 74: 741.—Ramon, G. Les sérums antidiphthérique et antitétanique purifiés. J. méd. fr., 1926, 15: 387-9.

Les sérums antidiphthérique et antitétanique purifiés et la prophylaxie des accidents sériques. Presse méd., 1926, 34: 323.—Sacquépée. Préparation d'un sérum thérapeutique anti-Bellonensis. Ibid., 1918, 26: 17.—Schmidt, S. Immunisationsprobleme; Produktion von Diphtherie- und Tetanusserum. Acta path. microb. scand., 1928, 5: 129-54.—Schwerma, H., & Meyer, R. K. Purification of antigonadotropic sera by enzymatic digestion. Proc. Soc. Exp. Biol., N. Y., 1942, 51: 114.—Sen, B. B. Observations on the preparation of antisera of some pathogenic micro-organisms. Calcutta M. J., 1936, 31: 177-84.—Sérums thérapeutiques [France, Décret no. 104, 19 août 1939] Bull. sc. pharm., Par., 1939, 46: prof., 221-3.—Sorescu, A. I. [Study of anticellular serums; preparation of antitymocardial serum] Rev. st. med., Bucur., 1930, 19: 2268-90.—Spinka, I., & Weichselbaum, P. K. Antisera for organ-proteins. Proc. Soc. Exp. Biol., N. Y., 1938, 38: 447-9.—Zannelli, P. Sulla preparazione dei sieri diagnostici; osservazioni immunologiche e cliniche. Ann. igiene, 1934, 44: 769-81.—Zienovich-Kashitschenko, B. A. Novýe puti v voprosie polucheniya liechebnikh i predokhranitelnykh sivorotok. Russk. vrach., 1910, 9: 20-2.—Zink, A. Beitrag zur Frage der Sterilhaltung von Heilseren; Untersuchung über den Wert der gebräuchlichsten Konservierungsmittel. Zbl. Bakt., 1. Abt., 1939, 134: 450-7.

— Standardization and titration.

Belgium. Arrêté royal portant réglementation des sérums antidiphthérique et antitétanique, 11 Sept. 1936. Bull. Min. san. pub., Brux., 1936, 1: 21-3.—Bonjean, E. Définition des sérums et application de la loi du 25 avril 1895. Ann. falsif., Par., 1918, 11: 293-5.—Cotoni, L., & Pochon, J. Titrage de divers sérums thérapeutiques par neutralisation des anticorps in vitro. C. rend. Acad. sc., 1936, 202: 1121-3.—Doladilhe, M., & Mazille, M. Sur la purification de la protéine visqueuse d'un immunsérum. C. rend. Soc. biol., 1939, 130: 1116-8.—Gebührenordnung für die Prüfung von Heilserum. Reichsgesundhbl., 1937, 12: 563.—Kossowitch, N. Application de la méthode de Ramon au titrage des sérums antimicrobiens. C. rend. Soc. biol., 1934, 117: 1162-5.—Netter. Sur des demandes d'autorisation pour des sérums thérapeutiques; au nom de la Commission permanente des sérums par M. Netter rapporteur. Bull. Acad. méd., Par., 1911, 3. ser., 65: 212-4.—Ornstein, O. Sur la valeur protectrice et curative des sérums purifiés et non purifiés. Paris méd., 1928, 69: 313-5.—Radais. Sur une demande d'autorisation de débit d'un sérum thérapeutique dans les conditions prévues par la loi du 14 juin 1934. Bull. Acad. méd., Par., 1938, 3. ser., 119: 669.—Sickles, G. M. Methods of testing and standardizing immune sera. Annual Rep. Div. Lab. N. York Dep. Health, 1935, 8: 1937, 8, passim.—Vivaldi, G. La determinazione delle unità immunizzanti nei sieri antidifterico ed antitetanico. Boll. Ist. sieroter. milan., 1930, 9: 153-60.—Weinberg, M., & Davesne, J. Titre antitoxique et pouvoir anti-infectieux des sérums thérapeutiques. C. rend. Acad. sc., 1935, 200: 1074.

— Therapeutic use [Passive immunization]

See also Immunization; Serotherapy; also under names of infectious diseases as Anthrax, Treatment: Serum, specific, etc.

LEVENTIS, C. New theory about immunity and new sero-therapy of all the infectious diseases. 28p. 8° Detr., 1921.

Azzi Leal, R. Centros de soro-profilaxia. Rev. Ass. paul. med., 1939, 15: 159-68.—Béclère, A. L'allergie vaccinale après immunisation passive par sérum virulicide. Bull. Soc. fr. derm. syph., 1935, 42: 217-21.—Charache, A. Le centre de séroprophylaxie de l'Hôpital Hérold et son activité. Méd. inf., Par., 1939, 46: 155-79.—Cushing, H. B. On the use of immune sera. Canad. M. Ass. J., 1924, 14: 477-9.—Debré, R. Activité du centre de séroprophylaxie. J. méd. Paris, 1939, 59: 429-31.—Eichler. Praktikování seroterapie ve veřejné okresní nemocnici v Náchodě. Lék. rozhledy, Praha, 1912, n. f., 1: 159.—Escamel, E. La autoseroterapia con suero calentado o seroterapia integral en las microbiosis humanas. Arch. Soc. biol. Montevideo, Suppl., 1930-32, 1793-806.—Flaum, H. [Serum therapy and serum prophylaxis] Sven. läk. tidn., 1935,

32: 1329-1422.—**Gautier, P.** La séroprophylaxie de la rougeole et de la coqueluche. J. méd. Paris, 1926, 45: 314-6. Also Rev. méd. Suisse rom., 1926, 46: 52-9.—**Gay, F. P.** The use of antisera in the treatment of disease. J. Am. M. Ass., 1923, 81: 284-7.—**Godlewski, H.** Débats sur les sérothérapies curatives. J. méd. fr., 1931, 20: 413-30. Les controverses sur la sérothérapie. Ibid., 185-92.—**Hess, J. H.** The present status of serum therapy in pediatrics. Arch. Pediat., N. Y., 1937, 54: 251-67.—**Hill, L. F.** The present status of serotherapy in whooping cough, measles, scarlet fever, and diphtheria. J. Iowa M. Soc., 1936, 26: 197-201.—**Jungeblut, C. W.** Serum prophylaxis and serum therapy. In Agents of Disease (Gay, F. P.) Springfield, 1935, 1508-31.—**Krichewsky, I. L.** [Relationship between the therapeutic effect in serum treatment and the integrity of the reticulo-endothelial system] J. mikrob., Moskva, 1932, 9: 293-9.—**Linser, P.** Erfahrungen mit vakzinierem Serum. Münch. med. Wschr., 1933, 80: 1841.—**Lorey, J.** Neue Gesichtspunkte zur Behandlung der Diphtheria, des Scharlachs und von eitrigen Prozessen. Med. Klin., Berl., 1912, 8: 1069-72.—**Martner, E. E.** Passive immunity against measles and diphtheria. J. Pediat., S. Louis, 1937, 10: 108-11.—**Musci, F.** Sulla sieroterapia di alcune forme infettive. Pensiero med., 1932, 21: 44-7.—**Noir, J.** La séroprophylaxie dans les maladies contagieuses de l'enfance. Concours méd., 1940, 62: 592.—**Polák, S.** Sérothérapie a seroimmunizace v okresní veřejné nemocnici v Českém Brodě v roce 1911. Lék. rozhledy, Praha, 1912, n. ř., 1: 150-9.—**Risel, H.** Der therapeutische Wert der Heilsera. Ther. Monatsh., 1911, 25: 20-33. Also Verh. Ges. deut. Naturforsch., 1911, 82: 2. Teil, 248.—**Rochaix, A.** La séroprophylaxie des maladies infectieuses. J. méd. Lyon, 1926, 7: 497-505.—**Shaw, E. B.** Passive prophylaxis against pertussis and chickenpox. J. Pediat., S. Louis, 1937, 10: 98-102.—**Stüllmunkes & Dubois.** La rougeole et la coqueluche au Préventorium de Vénérieue (Haute-Garonne) efficacité de la sérothérapie préventive. Rev. hyg. méd. prév., 1937, 59: 161-7.—**Tissier-Guy, J.** Conférence de praticiens sur la sérothérapie préventive. J. méd. fr., 1931, 20: 250-6.—**Triollet, J.** La sérothérapie d'urgence dans le cadre départemental. Médecine, Par., 1933, 14: 962-5.—**Ueber** Serumbehandlung bei Ruhr und croupöser Lungentzündung. Oesterr. san. Ws., 1910, 22: 529-32.—**Use (The)** of curative sera. Med. Off., Lond., 1917, 17: 101-3.—**Wadsworth, A. B.** Some of the practical problems in the serum therapy of bacterial infections. In J. H. Pratt Anniv. Vol., 1937, 422-31.—**—** Serum therapy: its value in pneumonia, meningitis, scarlet fever and other streptococcus infections. J. Am. M. Ass., 1932, 99: 204.—**Zoeller, C. J.** Les indications de la sérothérapie préventive dans l'armée. Arch. méd. pharm. mil., 1927, 87: 69-80.

Therapeutic use: Methods.

Bezredka, A. Sérothérapie locale. Acta med. URSS, 1938, 1: 353-6.—**Blumenau, N. R.** & **Dzerzhovskii, S. K.** Yeshstsho po povodu primeneniya liechebnikh sivorotok chrez pryamuyu kishku. Russk. vrach, 1913, 12: 313-5.—**Fasold, H.** & **Grossmann, H.** Ueber die intralumbale Anwendung von Heilseren. Mschr. Kinderh., 1932, 54: 48-52.—**Ferrari, A.** Injeções intrarachidianas de séro específico. Brasil med., 1941, 55: 285.—**Formanek, J.** Vsaštvanie liechebnikh sivorotok pri vvedenii ikh v pishtshevaritelnyy kanal i izmieniynia nashikh vzglyadov na vsasivaniye. Russk. vrach, 1910, 9: 473-5.—**Guinon.** Sur la communication de M. Lesné relative à l'inefficacité de la sérothérapie par voie rectale. Bull. Soc. pédiat., Paris, 1913, 15: 55-7.—**Horder, T. J.** Discussion on the scope of normal and immune serum in treatment. Brit. M. J., 1911, 2: 667-71.—**Laregla, S.** Introducción a una investigación sobre autoimmunoterapia pasiva utilizando generador de defensas humano. Rev. san. guerra, 1937, 1: 299-301.—**Morgan, F. G.** The intravenous use of therapeutic sera. N. Zealand M. J., 1937, 36: 181-4.—**Sorgfaltspflicht** des Arztes bei der Vornahme von Seruminspritzungen an Kindern. Reichsgesundhbl., 1934, 9: 455.—**Stoeltzner, W.** Immer höhere Heilserumdosen? Med. Klin., Berl., 1936, 32: 241.—**Vallée, H.** & **Finzi, G.** Sur les modes d'utilisation des sérums thérapeutiques. Bull. Soc. centr. méd. vét., Par., 1911, 65: 397-402.—**Zuccola, P. F.** A proposito di dosaggio di anticorpi. Policlinico, 1922, 29: sez. prat., 157.

Therapeutic use: Untoward effects.

See also Serum sickness.

Davis, H. M. Serum reactions after injection of concentrated therapeutic serum. Lancet, Lond., 1938, 1: 193-5. Also Digest Treat., Phila., 1938-39, 2: 73.—**Dean, H. R.** **Williamson, K.** & **Taylor, G. L.** Passive anaphylaxis following the immediate injection of antigen after antiserum. J. Hyg., Camb., 1936, 36: 570-87.—**Girard, J.** & **Picard, D.** Hémiplegie post-sérothérapique. Rev. méd. Nancy, 1938, 66: 306-9.—**Kennedy, F.** Certain nervous complications following the use of therapeutic and prophylactic sera. Am. J. M. Sc., 1929, 177: 555-9.—**Salassa, M. P.** Paralysis post-sérique; 3 cas cliniques dont un par sérothérapie anti-charbonneuse et 2 par sérothérapie anti-diphthérique. Praxis, Bern, 1942, 31: 166 (Abstr.).

IMMUNISIN.

See Amboceptors.

IMMUNITY [incl. resistance]

See also Allergy; Immunization; Immunology; Infection; Phagocytosis; also names of infectious, parasitic and virus diseases.

Beeson, C. F. Immunity. Southwest. M., 1926, 10: 289-91.—**Bergin, F.** Ueber Infektion und Immunität. Natur. Lpz., 1921-22, 13: 317-20.—**Billard, G.** La phylaxie. J. physiol. path. gén., 1928, 26: 43-55.—**Bodman, F.** Phylaxis. Brit. M. J., 1932, 1: 170.—**Bordet, J.** Immunité, antigènes, anticorps. In Traité physiol. norm. path. (Roger & Binet) (2. éd.) Par., 1934, 7: 517-645.—**Chalkley, A. J.** Immunity. J. Missouri M. Ass., 1926, 23: 299-301.—**Domingo, P.** De la inmunidad local a la resistencia específica general. Rev. méd. Barcelona, 1929, 12: 553-60.—**Faust, E. C.** The human body's defense against disease. Sigma Xi Q., 1934, 22: 53-62.—**Klopstock, A.** Immunität. In Med. Kolloidlehr. (Lichtwitz) Dresd., 1935, 193-235.—**Lomry.** Quelques mots concernant l'immunité. Liège méd., 1933, 26: 257-64.—**Mackenzie, G. W.** Immunity, hypersensitivity and normalcy. Med. World, 1937, 55: 392-5.—**Martin Salazar.** Inmunidad en general. Siglo méd., 1926, 78: 25.—**Montalbo, F.** De la inmunidad. Rev. homeop., Barcel., 1892, 3: 39-46.—**Nobre, B.** A inmunidade. Porto med., 1904, 1: 210.—**Parr, L. W.** Bacteria at work. Hygeia, Chic., 1942, 20: 504; 551.—**Perrin, M.** & **Cuñot, A.** Considérations sur la phylaxie de Billard. Rev. méd. est., 1933, 61: 769-93.—**Schlossberger, H.** Immunität. In: Handb. norm. path. Physiol. (Bethe, Bergmann, et al.) Berl., 1929, 13: 508-649.—**Silberschmidt, K.** Natürliche Resistenz und erworbene Immunität bei Pflanzen und Tieren. Sitzber. Ges. Morph. Physiol. München (1930-31) 1932, 40: 49-59.—**Sobernheim, G.** Gewebsimmunität und humorale Immunität. Schweiz. med. Wschr., 1926, 56: 588-91.—**Tzanek, A.** & **André, R.** L'immunité; le mot; le fait; l'idée. Rev. immun., Par., 1936, 2: 273-87.

— acquired.

Acquired immunity to disease. In De re medicina (Lilly Comp.) 2. ed., Indianap., 1941, 163.—**Bluhm, A.** Ueber erworbene Immunität, Giftüberempfindlichkeit und Vererbung; ein Beitrag zur Frage der Dauermodifikationen. Arch. Rassenb., 1938, 32: 97-110.—**Dufour, H.** De l'immunité acquise à la maladie chronique. J. méd. Paris, 1930, 50: 89-91.—**Salazar, M.** Inmunidad adquirida: doctrinas más corrientes para explicarla; toxinas y antitoxinas. Siglo méd., 1926, 78: 113; 141; 158.—**Stallybrass, C. O.** Acquired immunity in human communities. Liverpool Med. Chir. J., 1929, 37: 14; 1930, 38: 42.

— active.

See also Vaccination; Vaccine.

Harvey, W. F. & **Iyengar, K. R. K.** Development and duration of immunity by inoculation and re-inoculation. Tr. Far East. Ass. Trop. M., 1927, 7. Congr., 3: 503-11.—**Herb, F.** Suggestions as to the cause of immunity following an attack of one of the acute infectious diseases. Med. J. & Rec., 1928, 127: 185.—**Houghton, L. S.** How and why disease immunises. Med. Times, Lond., 1937, 65: 5.—**Kolmer, J. A.**, **Bondi, A.**, jr. & **Rule, A. M.** Persistence of antibodies one year after active immunization of human beings with a mixed heat-killed vaccine of B. typhosus, Br. abortus and Br. melitensis. J. Infect. Dis., 1942, 70: 54-7.—**Le Bourdellès, B.** & **Plotz, H.** Immunité vaccinale et pouvoir virulente du sérum chez l'homme. C. rend. Soc. biol., 1939, 130: 622.—**Ramsin, S.** [Study of active immunity] Med. dosw., Warsz., 1933, 17: 427-38.—**Schedrovicky, S. G.**, **Korabelnikov, A. M.** & **Lopatkin, E. K.** Die Rolle der Milz in der aktiven Immunität. Zschr. ges. exp. Med., 1930, 73: 625-30.—**Weinberg, M.** & **Guelin, A.** Recherches sur l'immunité active de l'embryon. C. rend. Soc. biol., 1936, 122: 1229-31.

— Allergic relations.

See also subheadings of Allergy (Immunity; Mechanism; Pathology, etc.).

Arthus, M. L'immunité et l'anaphylaxie sont 2 états biologiques distincts. Arch. internat. physiol., Liège, 1914-20, 15: 383-410.—**—** Un nouvel exemple d'anaphylaxie-immunité. Ibid., 319-44.—**Bordet, J.** Relations entre l'allergie et l'immunité. Presse méd., 1932, 40: 1527.—**Bronfenbrenner, J. J.** Human allergy and its relation to experimental anaphylaxis and to immunity. Tr. Am. Acad. Ophth. Otol., (1940) 1941, 45: 30-42.—**Cooke, R. A.** Immunological studies on the natural sensitization of man. Bull. Johns Hopkins Hosp., 1941, 68: 113-5.—**Cremonese, G.** Il posto dell'allergia, dell'anafilassi e dell'avitaminosi nel quadro dell'immunità e della biologia. Riv. osp., 1938, 23: 501-31.—**—** Le rôle de l'allergie, de l'anaphylaxie et de l'avitaminose dans le cadre de l'immunité. Bull. méd., Par., 1939, 53: 447-58.—**Friede, K. A.** [Immunity of cells and allergy in infection] Usp. sovrem. biol., 1936, 5: 149-55.—**Galanova, N. V.** [Effect of passive anaphylaxis on cellular immunity] J. mikrob., Moskva, 1941, No. 2, 75-7.—**Hamburger, F.** Infektion und Krankheit, Allergie und Immunität. Aerzt. Prax., Wien, 1933, 7: 157-61. Also Wien. klin. Wschr., 1933, 46: 9-14.—**Hooker, S. B.** & **Follensby, E. M.** The influence of hypersensitiveness to horse serum on the duration of local passive antitoxic immunity in

man. J. Immun., Balt., 1931, 20: 269-89.—**Kahn, R. L.** Studies on tissue reactions in immunity; acquired sensitivity of rabbits to different organisms. *Ibid.*, 1933, 25: 331-8.

— Studies on tissue reactions in immunity; natural sensitivity of rabbits to different organisms. *Ibid.*, 363-79.

— Relation between immunity and allergy. *Mil. Surgeon*, 1934, 75: 390-2.—**Kravchenko, A. T., & Galanova, N. V.** [Effect of anaphylactic shock on acquired immunity; effect of anaphylactic test, made under anesthesia, on cellular immunity] *J. mikrob.*, Moskva, 1941, No. 7, 77.—**Kritschewski, I. L., & Galanova, N. W.** Neue Wege zum Studium der Immunität und Allergie bei Infektionskrankheiten; vom Wesen der erworbenen Immunität; die Beziehungen zwischen der erworbenen Immunität der Zellen und ihrem anaphylaktischen Zustand. *Zschr. Hyg.*, 1935, 117: 263-78.—**M'Lachlan, D. G. S.** An experimental study on allergy and immunity. *Edinburgh M. J.*, 1936, 43: 185-93.—**Manwaring, W. H., Marino, H. D.** [et al.] Relation of anaphylaxis to immunity; specificity of the fixed-tissue antianaphylactic immunity factor. *J. Immun.*, Balt., 1927, 13: 319-21.—**Metalnikov, S.** Rôle d'hypersensibilité dans l'immunité et l'anaphylaxie. In *Hommage mém. J. Cantacuzène, Par.*, 1934, 507-10.—**Michelazzi, L.** Il fenomeno di Sanarelli-Schwartzman in alcuni stati immunitari. *Gior. batt. immun.*, 1935, 14: 1226-32.—**Much, H.** Dysimmunität; ein neues Problem. *Med. Klin.*, Berl., 1926, 22: 334-7.—**Murillo y Palacios, F.** Inmunidad y alergia. *Siglo méd.*, 1935, 96: 602-5.—**Negro, G.** Immunità ed anafissi. *Gior. batt. immun.*, 1936, 16: 213-29.—**Pagel, W.** Experiments on dissociation of allergic hypersensitiveness and immunity. *J. Path. Bact.*, Lond., 1937, 44: 643-53, 3 pl.—**Pottenger, F. M.** The relation of allergy to immunity. *Tubercle, Lond.*, 1934-35, 16: 458-66.—**Rich, A. R.** Observations on the relation of allergy to immunity. *Bull. Johns Hopkins Hosp.*, 1930, 47: 189-214.

— Studies on the dissociation of hypersensitivity from immunity. *Rev. immun.*, Par., 1937, 3: 25-49.—**Schick, B.** Allergy and immunity. *Proc. California Acad. M.*, 1935-36, 124-38. Also *Radiol. Rev.*, 1937, 59: 1-7.

— Immunity, allergy and anaphylaxis. In *Pract. Pediat. (Brennemann, J.) Hagerstown*, 1937, 1: chap. 6, 16p.—**Sirotnin, N. N.** [Anaphylaxis and immunity from the view-point of comparative pathology] *Usp. sovrem. biol.*, 1937, 7: 277-97.—**Wherry, W. B.** Hypersensitivity to bacterial proteins and its rôle in susceptibility and immunity. *Am. J. Hyg.*, 1931, 14: 539-54.—**Williams, J. W.** The possible relation of allergy to immunity. *Med. Rec.*, N. Y., 1936, 143: 15.—**Wittsie, J. W.** Interrelationship of immunity and allergy. *Med. J. & Rec.*, 1931, 133: 476-9.—**Zirroni, A.** Sulla natura della immunità; sulla iperrecettività d'organo. *Boll. Ist. sieroter. milan.*, 1929, 8: 575-85.

— **antibacterial and antiviral.**

See also **Bacteria**, Viability and virulence; **Blood**, Bactericidal power; **Blood serum**, Bactericidal and antitoxic power; **Phagocytosis**; also under names of antibacterial immune bodies.

BESREDKA, A. Etudes sur l'immunité dans les maladies infectieuses. 414p. 8° Par., 1928.

Bernhardt, G. Ueber Bakterien verändernde Kräfte des Organismus. *Klin. Wschr.*, 1932, 11: 510.—**Braun, H., & Nodake, R.** Ueber die Rolle des Ekto- und Endoplasmas der Bakterien für die Serumbactericide und für die Phagocytose. *Ibid.*, 1924, 3: 1363.—**Bull, L. B.** A note on some aspects of anti-bacterial immunity. *J. Counc. Sc. Indust. Res.*, Melb., 1933, 6: 43-6.—**Doan, C. A., Woolpert, O. C.** [et al.] Studies in immunity to influenza virus and hemolytic streptococcus infections. *J. Am. M. Ass.*, 1942, 118: 1243.—**Dresel, E. G.** Beziehungen zwischen Lapineimmunität und Nachweis von Lapinevirus beim Kaninchen. *Zschr. Immunforsch.*, 1932, 75: 337-47.—**Eastwood, A.** Bacterial virulence and immunity. *J. Hyg., Cambr.*, 1927-28, 26: 235-70.—**Falk, I. S.** Electrophoresis of bacteria and other microorganisms and some relations to immunological theory. In *Colloid Chem. (Alexander, J.) N. Y.*, 1928, 2: 731-46.—**Freeman, G.** Lack of immunity to latent virus. *Proc. Soc. Exp. Biol.*, N. Y., 1941, 48: 568-70.—**Gauducheau, A.** Microbes auxiliaires de l'immunité. *Bull. Soc. path. exot.*, Par., 1938, 31: 844; 1939, 32: 177.

— Sur la production et l'entretien de l'immunité antimicrobienne. *Arch. Inst. prophyl.*, Par., 1939, 11: 45-56.—**L. L.** A propos de la genèse de nos connaissances sur quelques phénomènes fondamentaux relatifs à l'immunité contre les microbes. *Biol. méd.*, Par., 1905, 3: 177-220.—**Loghem, J. J. van** [Congenital and acquired immunity against commensal microbes] *Ned. tschr. geneesk.*, 1935, 79: 2694.—**Moshkovsky, S. D.** Sur une loi de l'immunité dans les maladies infectieuses (la loi de réinoculation). *Acta med. URSS*, 1938, 1: 340-52.—**Ogata, T.** Morphologische Studien über die bakterielle Immunität und Allergie. *Tr. Soc. path. jap.*, 1938, 28: 166-73, pl.—**Petersson, A.** Bacterial immunity. *Sven. läk. säll. hand.*, 1927, 53: 307-18.—**Ramsay, A. M.** The offensive powers of bacteria and the defensive mechanism of the body. *Med. Press & Circ.*, Lond., 1927, n. ser., 124: 67-70.—**Wulff, F.** On bactericides; the action of normal serum and plasma, on various bacteria. *Acta med. scand.*, 1924, 60: 393-431.—**Zirroni, A.** Sulla natura della immunità; sul problema della virulenza. *Boll. Ist. sieroter. milan.*, 1928, 7: 455-67.

— **antiparasitic.**

See also **Helminthes**, Serology; **Helminthosis**, Immunology; also names of parasitic protozoa and metazoa.

Africa, C. M. Further studies on the host relations of *Nippostrongylus muris* with special reference to acquired immunity. *Bull. Nat. Res. Counc. Philippine Islands*, 1935, No. 9, 22-4.—**Metazoan immunity.** In *Med. Res. in Colonies (Gr. Brit. Colon. M. Res. Com.)* 1929, 138-40.—**Salles, M. P., & Taliaferro, W. H.** The local points of defense and the passive transfer of acquired immunity to *Nippostrongylus muris* in rats. *J. Infect. Dis.*, 1936, 59: 207-20.—**Taliaferro, W. H.** The mechanism of immunity to metazoan parasites. *Am. J. Trop. M.*, 1940, 20: 169-82.

— **antitoxic.**

See also **Antitoxins**; also names of poisonous substances as **Abrus precatorius**; **Diphtheria**, Toxin, etc.

Brown, R. Chemical and immunological studies of toxin-producing bacteria. *Annual Rep. N. York State Dep. Health*, 1933, 54: 43.—**Dujarric de la Rivière, R., & Kossowitch, N.** Globules rouges et immunité. *Ann. Inst. Pasteur*, 1933, 51: 149-59.

— Globules rouges et immunité; adsorption des toxines par les globules rouges. *C. rend. Soc. biol.*, 1932, 110: 284.—**Ide, M.** La notion de résistance aux médicaments. *Rev. méd.*, Louvain, 1933, 302.—**MacNider, W. De B.** A study of the acquired resistance of fixed tissue cells morphologically altered through processes of repair; concerning physical modifications of cells associated with the development of a resistance to certain chemical agents; the acquired resistance of the kidney to bichloride of mercury. *J. Pharm. Exp. Ther.*, 1941, 73: 186-99.—**Ramon, G.** Essais sur l'immunité antitoxique. *Rev. immun.*, Par., 1938, 4: 5-23.—**Richou, R.** De l'immunité obtenue par instillations d'abrine dans le sac conjonctival du lapin; immunité antitoxique locale ou générale? *C. rend. Soc. biol.*, 1934, 117: 1058-61.—**Lemetyer, E.** De l'influence de diverses substances ajoutées à l'antigène anatoxique dans la reproduction de l'immunité antitoxique. *Ibid.*, 1935, 1: 199-208.

— **cellular.**

See also subheading **Immunity**, tissue; also **Leukocytosis**; **Phagocytosis**; **Reticulo-endothelial system**, etc.

SAINATI, J. F. *Da imunidade celular e sua influencia sobre a ação farmacodinâmica do veneno de cobra. 82p. 8° [São Paulo] 1928.

Breinl, F. Die zellulären Abwehrkräfte des Organismus. In *Extrapulm. Tuberk.*, Berl., 1925-26, 1: H. 9, 19-38.—**Bruynoghe, L.** L'immunité cellulaire. *Rev. méd.*, Louvain, 1922, 268-73.—**Fiore, C.** I ricettori cellulari (con speciale riguardo a quelli degli schizomiceti) *Gior. batt. immun.*, 1935, 14: 393-430.—**Galanova, N. W.** Untersuchungen über das Wesen der erworbenen Immunität; Entstehen und Erlöschen der Zellimmunität gegenüber Mikroorganismen. *Ibid.*, 1936, 16: 690-6.—**Kravchenko, A. T.** [Correlation of immunity of the cells and anaphylactic shock with consideration of the time factor] *J. mikrob.*, Moskva, 1939, No. 9-10, 101-7.

— [Reciprocal dependence of cellular immunity and anaphylactic shock in relation to the time factor] *Ibid.*, 1941, No. 7, 73-7.

— [Immunity and allergy of cells] *Usp. sovrem. biol.*, 1941, 14: 243-70.—**Lehmann, F. M.** Ueber die zelluläre Theorie der Immunität. *Derm. Wschr.*, 1926, 82: 325-30.—**MacNider, W. deB.** Consideration of the resistance of tissue cells. *Pennsylvania M. J.*, 1934, 37: 453-7.—**Manwaring, W. H.** Autocytotoxic antibodies? *California West. M.*, 1935, 43: 256.—**Marginesu, P.** Sull'immunità cellulare; tentativi di immunizzazione dei globuli rossi nucleati. *Atti Accad. fisicr. Siena*, 1921, 9, ser., 13: 281-9.—**Mellon, R. R.** Newer knowledge on the relations of the cell to immunological processes. *J. Am. Inst. Homeop.*, 1929, 22: 35-45.—**Mittermaier, R.** Phagozytose und Zellimmunität. *Zbl. Bakt.*, 1. Abt., 1924, 93: Orig., 241-4.—**Puntoni, V.** La clamidoroazione come forma di difesa dell'organismo contro i microbi. *Boll. Accad. med. Roma*, 1939, 65: 152-6.—**Reed, H. S.** Cellular nutrition and immunity. In *Rapp. Congr. internat. path. comp.*, 1936, 3, Congr., 1: pt. 2, 99-106.—**Stettner, E.** Zur Kenntnis der zellulären Infektabwehr. *Mtschr. Kinderh.*, 1927, 37: 530-5.—**Theilhaber, A.** Celluläre Immunität und Krankheitsdisposition. *Arch. Gyn.*, Berl., 1922, 117: 187.

— Zur Lehre von dem Einflusse der Beschaffenheit der zellulären Immunität auf die Krankheitsdisposition. *Münch. med. Wschr.*, 1922, 69: 1044.

— Die elektromagnetischen Schwingungen und die zelluläre Immunität. *Fortsch. Röntgenstrahl.*, 1923, 31. Kongr., 80.

— Die zelluläre Immunität in ihrer Einwirkung auf Entstehung und Behandlung von Konstitutions- und Infektionskrankheiten. In *Beitr. Probl. Gyn. Karzinoms*, Berl., 1924, 171-200.

— The significance of cellular immunity in the development (pathogenesis) and cure of disease. *Am. J. Obst.*, 1924, 39: 458-62.

— Chemistry.

See also **Immunity, Mechanism; Immunization, Mechanism**; also **Antibodies, Production**; **Effects of chemical and physical agents on; Antigens, Biochemistry, etc.**

BROWNING, C. H. *Immunochemical studies*. 239p. 8°. Lond., 1925.

DUJARRIC DE LA RIVIÈRE, R. *L'immunité par mécanisme physico-chimique*. 71p. 8°. Par., 1934.

PEREIRA DE MESQUITA, M. *Contribuição ao estudo da imunidade nas molestias infecciosas (papel da cholestera) 86p. 8°. S. Paulo, 1931.

WELLS, H. G. *Immunology as a branch of chemistry*. 17p. 24cm. N. Y., 1927.

— The chemical aspects of immunity. 2. ed. 286p. 8°. N. Y., 1929.

Anderson, C. G. *Chemistry and immunity*. Pharm. J., Lond., 1938, 86: 97.—**Bacterial chemistry and immunity reactions. Rep. M. Res. Council, London, 1934, 5: 141-5.—**Baserga, A.** Recenti osservazioni nel campo della biochimica dell'immunità. *Biochim. ter. sper.*, 1935, 22: 18-24.—**Boez, L.** Les théories physico-chimiques de l'immunité. *Biol. méd.*, Milano, 1930, 20: 345-83. Also *Biol. méd.*, Par., 1930, 20: 231-70.—**Brown, H. C., & Broom, J. C.** The importance of electric charge in certain aspects of immunity. *Tr. R. Soc. Trop. M. Hyg.*, Lond., 1934-35, 29: 357-76.—**Chase, M. W., & Landsteiner, K.** *Immunochemistry*. Annual Rev. Biochem., 1939, 8: 579-610.—**[Chemistry of immunity]** Otchet (Vsesoiuz. inst. eksp. med., Moskva, 1940, 40-6.—**Dooren de Jong, L. E. den** [Immunology and chemistry]. Ned. tschr. geneesk., 1935, 79: 2844-62.—**Dujarric de la Rivière, R.** *Immuno-chimie*. Rev. gén. sc. pur., 1937, 452-9.—**Ermolieva, Z. V.** [The chemistry of immunity]. Otchet Vsesoiuz. inst. eksp. med., Moskva (1933-37) 1939, 27-30.—**Haurowitz, F.** Chemische Untersuchungen und neue Anschauungen über Immunität. *Med. Klin.*, Berl., 1933, 29: 936-9. — Antigene, Antikörper und Immunität; Versuche mit chemisch-markierten Antigenen. *Klin. Wschr.*, 1937, 16: 257-61. — Neue Ergebnisse der Immunochimie. *Med. Klin.*, Berl., 1938, 34: 873-6.—**Hayri Sözen** [Relation between immunology and biochemistry]. Askeri vet. mecmuasi, 1938, 15: 363-45.—**Heidelberger, M.** Contributions of chemistry to the knowledge of immune processes. *Harvey Lect.*, Balt., 1932-33, 28: 184-201. Also *Medicine*, Balt., 1933, 12: 279-93. — *Immunochemistry*. Annual Rev. Biochem., 1932, 1: 655; 1933, 2: 503; passim. — Introduction to the Conference on Immunochimistry. Ann. N. York Acad. Sc., 1942, 43: 35.—**Herzfeld, E., & Klinger, R.** Neuere wissenschaftliche Vorstellungen in ihren Beziehungen zur Immunitätslehre. *Erg. Hyg. Bakt.*, 1920, 4: 282-309.—**Horster, H., & Dörbath, E.** Untersuchungen über die durch Krankheiten hervorgerufene Änderung der Disposition zu Infektionsbeziehungsweise Erkrankungen nach Infektionen: über die Bedeutung des Cholesterins und Lecithins für die Resistenz beziehungsweise Immunität, insbesondere für die Phagocytose. *Deut. Arch. klin. Med.*, 1935, 178: 289-97.—**Immunity and electric charge. *Brit. M. J.*, 1935, 1: 31.—**Jarno, L.** Versuche zur chemischen Deutung der Immunhämolyse. *Zschr. Immunforsch.*, 1929, 60: 410-6.—**Kermack, W. O.** Some recent advances in the chemistry of immunology. *Sc. Progr.*, Lond., 1930, 25: 79-90.—**Konikov, A. P.** [Basic principles of immunochimistry]. *Usp. sovrem. biol.*, 1939, 10: 410-45.—**Kopaczewski, W.** Phylaxie et antagonismes physico-chimiques. *J. physiol. path. gén.*, 1935, 33: 7-38.—**Koulikov, V.** Equilibre ionique et immunité. *C. rend. Soc. biol.*, 1927, 97: 516-9.—**Krogh, M. von.** Colloidal chemistry and immunology. *J. Infect. Dis.*, 1916, 19: 452-77. Also *Norsk mag. lægevid.*, 1916, 77: 1177-210.—**Lecomte du Noüy, P.** Les aspects physico-chimiques de l'immunité. *Erg. Hyg. Bakt.*, 1934, 15: 304-34.—**Loewy, G.** The chemical analysis of bacteria; chemical aspects of immunity. *Med. Press & Circ.*, Lond., 1929, n. ser., 128: 34-6. Also *Presse méd.*, 1929, 37: 752.—**Marrack, J. R.** *Immunochemistry*. Annual Rev. Biochem., 1942, 11: 629-58.—**Rodríguez, O. F.** Un ensayo de química inmunológica. *Siglo méd.*, 1934, 93: 66; 94.—**Salazar, M.** La química de la inmunidad. *Ibid.*, 1928, 82: 201-10.—**Schnitzer, R., & Silberstein, W.** Untersuchungen zur Chemozeptorentheorie; die Hemmungswirkung des Parafuchsins gegenüber Brechweinstein. *Zschr. Immunforsch.*, 1926, 49: 387-92.—**Schoen.** Phénomènes d'asymétrie dans les processus d'immunité; les polyholsides d'origine microbienne. *Ann. Soc. sc. méd. natur. Bruxelles*, 1936, Ann., 19-40.—**Server Kamil Tokgöz** [Rôle of chemistry in immunity]. *Türk. hifzissihha teor. biol. mecmuasi*, 1940, 1: No. 3, 182-8.—**Sivori, L.** Valores dos ácidos aminados na teoria imunitaria e na terapeutica. *Ilust. med.*, Rio, 1939, 5: 4-8.—**Sumner, J. B.** Hemagglutinins, plant toxins, and the role of proteins in immunochemistry. *Yale J. Biol.*, 1935-36, 8: 410.—**Vaughan, V. C.** The chemistry of living substance and its adaptability to its environment. *Mil. Surgeon*, 1927, 61: 1-14.—**Viale, G.** Físico-química delle reazioni umorali. *Rev. sudamer. endocr.*, B. Air., 1931, 14: 17-24.—**Wormall, A.** Some chemical aspects of immunity. *S. Barth. Hosp. Rep.*, Lond., 1937, 70: 199-220.****

— Clinical aspects.

Bueno Garza, V. Concepto vulgar y consideraciones prácticas acerca de la infección, inmunidad y profilaxis. *Clin. & lab.*, Zaragoza, 1928, 12: 404-10.—**Bystritzky, Y. L.** [Effect of excessive immunity reactions on the course of infectious diseases]. *Vrach. delo*, 1931, 14: 556-60.—**Cuizza, T.** Sulle difese immunitarie del sangue nelle malattie infiammatorie, ginecologiche. *Gior. batt. immun.*, 1931, 6: 350-9.—**Fenton, R. A.** Immunity in otolaryngology. *Ann. Otol. Rhinol.*, 1931, 40: 1-8.—**Gay, F. P.** The principles underlying infection and immunity. *Pract. Libr. M. & S.*, 1932, 1: 1111-30.—**Hirszfeld, H., & Hirszfeld, L.** [Hereditary predisposition and immunity to infectious diseases]. *Med. dośw.*, 1928, 9: 101-22.—**Hirszfeld, L.** [Definition of immunity in diseases of civilization, especially diphtheria]. *Nowiny lek.*, 1936, 48: 1-5.—**Kolmer, J. A.** The rôle of immunity in the conduct of the present war. *J. Immun.*, Balt., 1918, 3: 371-4.—**Ledingham, J. C. G.** Some problems of natural immunity and prophylaxis. *J. State M.*, Lond., 1926, 34: 2-25.—**Lischner, H.** Artificial vs natural immunity. *Pacific Coast J. Homeop.*, 1935, 46: 381-5.—**McClean, D.** Certain aspects of immunity and their relation to clinical medicine. In: *Dis. Child.* (Thursfield & Paterson) Lond., 1934, 13-32.—**Mukherji, D. R.** A reflection on the immunity factor. *Ind. M. Rec.*, 1937, 57: 1-7.—**Novak, F. J., jr.** The Besredka theory of immunity and its possible application in otolaryngology. *Ann. Otol. Rhinol.*, 1930, 39: 1033-8. Also *Tr. Am. Acad. Ophth. Otol.*, 1930, 35: 419-27.—**O'Brien, R. A.** Discussion on immunity; certain practical aspects of immunity. *Brit. M. J.*, 1927, 2: 975-8.—**Ritter, J.** Immunity in acute and in chronic diseases. *Clin. M. & S.*, 1931, 38: 480-3.—**Scapier.** L'application de l'immunité du crapaud en clinique. *Paris méd.*, 1939, 113: 331-4.—**Smith, L. A.** Is human immunity declining? *J. M. Ass. Georgia*, 1935, 24: 339.—**Thelander, H. E.** Immunity; clinical and experimental observations. *California West. M.*, 1940, 52: 64-6.—**Willcox, W.** Clinical immunity. *Lancet*, Lond., 1936, 2: 911-3.

— Endocrine aspect.

ARENDs, K. *Beeinflussung der Immunitätslage durch das Sexualhormon Testasa [Münster] 21p. 21cm. Bottrop, 1935.

Aduhr, E. Hormonal increase of resistance and its mechanism. *Nature*, Lond., 1942, 149: 171.—**Anina-Rudchenko, N. D.** [Effect of hormonal preparations on the formation of antibodies and development of immunity]. *J. mikrob.*, Moskva, 1941, No. 7, 63-7.—**Cope, O., & Kapnick, I.** The relation of endocrine function to resistance and immunity; the changes in complement and response to vaccinia following alterations in thyroid, adrenal and pituitary function in the rabbit and dog. *Endocrinology*, 1940, 27: 533-42.—**Dreyfus-Sée, G.** Les facteurs endocriniens de l'immunité. *Gaz. méd. France*, 1930, 376-81.—**Ebert, M. K.** [Effect of the endocrine system on the processes of sensitization in white rats]. *J. mikrob.*, Moskva, 1941, No. 7, 68.—**Friede, K. A., Kravchenko, A. T., & Soloviev, V. D.** [Significance of the endocrine system in infection and immunity]. *Ibid.*, 1936, 17: 746-60.—**Kapnick, I., & Cope, O.** The relation of endocrine function to resistance and immunity; the independence of cevitamic acid and complement following alterations in thyroid function in the rabbit. *Endocrinology*, 1940, 27: 543-7.—**Karmanova, L. M.** [Significance of the endocrine system in infection and immunity]. *J. mikrob.*, Moskva, 1936, 17: 833-43.—**Molomut, N.** The effect of hypophysectomy on immunity and hypersensitivity in rats with a brief description of the operative technique. *J. Immun.*, Balt., 1939, 37: 113-31.—**Nicosia, S.** Adrenalina ed immunità: ricerche sperimentali di orientamento. *Ann. igiene*, 1938, 48: 350-61.—**Schedrovicky, S. G., Lopatin, E., & Korabelnikov, A.** Ueber die Rolle der Schilddrüse und Testes in der aktiven Immunität. *Zschr. ges. exp. Med.*, 1930, 72: 703-9.—**Von Haam, E., & Rosenfeld, J. M.** The influence of sex hormones on natural resistance. *J. Am. M. Ass.*, 1942, 118: 1002.—**Weil, P. G.** The rôle of the adrenal cortex in resistance. *Am. J. Surg.*, 1942, 55: 440.

— Factors, and types.

TURRÓ, R. Los fermentos defensivos en la inmunidad natural y adquirida. 2. ed. 164p. 8°. Calpe, 1920.

Anile, A. Le esperienze di Metchnikov. *Umbria med.*, 1939, 19: 3536-41.—**Barta, I.** [Rôle of leukocytes and reticuloendothelial system in immunity]. *Orv. hetil.*, 1930, 74: 923-6.—**Besredka, A.** Du rôle des mordants dans l'infection et dans l'immunité. *Bull. Inst. Pasteur, Par.*, 1927, 26: 481; 529.—**Bhatnagar, S. S., & Shrivastava, D. L.** Immunity from cellular changes in the blood. *Nature*, Lond., 1941, 147: 58.—**Binhold, H.** Blutfaktoren und Immunität. *Deut. med. Wschr.*, 1934, 60: 468-72.—**Gauduchau, A.** Facteurs auxiliaires de l'immunité. *Bull. Soc. path. exot.*, Par., 1939, 32: 796; 1940, 33, 225. Also *Presse méd.*, 1940, 48: 642.—**Gay, F. P.** The fundamental factors of immunity. *Medicine*, Balt., 1929, 8: 211-21.—**Ghiron, M.** Enzyme und Immunität. *Zbl. inn. Med.*, 1933, 54: 362-5.—**Gley, P., Paulin, G., & Touchard, T.** Importance des vaso-moteurs dans la défense antimitrobie. *J. physiol. path. gén.*, 1939-40, 37: 965-9.—**Helmreich, E.** Das lokale Bluthild in seiner Bedeutung für die Immunbiologie.

Klin. Wschr., 1929, 8: 1254-6.—**Herb, F.** Parenteral ferments at the service of immunity from the viewpoint of evolution. Med. J. & Rec., 1926, 123: 422-4.—**Krichevski, I. L., & Avrek, V. V.** Erwerben phagozytäre Zellen immuner Tiere eine erhöhte Aktivität gegen Mikroorganismen? Zschr. Immunforsch., 1933, 80: 28-41.—**Lassablière, P., & Richet, C.** De l'immunité (leucocytaire) générale. C. rend. Soc. biol., 1913, 74: 1167.—**Loewi, O.** Bemerkungen zur Rezeptorfunktion im Verdauungskanal. Deut. med. Wschr., 1929, 55: 1751.—**Metalnikov, S.** Facteurs biologiques et psychiques de l'immunité. Biol. Rev. Cambridge Philos. Soc., 1932, 7: 212-23. Also Presse méd., 1932, 40: 753-56. — Rôle des réactions de défenses dans l'immunité. Zschr. Immunforsch., 1929, 61: 27-45. — Immunité d'adaptation et immunité de défense. C. rend. Soc. biol., 1929, 101: 34-7. Also Ann. Inst. Pasteur, Par., 1938, 61: 824-6. Also Rev. gén. sc. pur., 1939, 50: 369-77.—**Miura, M.** Experimentelle Studien über die sogenannte Depressionsimmunität. Jap. J. Exp. M., 1928-29, 7: 379-87.—**Perrin, M., & Cuénot, A.** Contribution à l'étude du pouvoir anagotique et de la phylaxie; la métathèse; ses rapports avec la phylaxie. J. physiol. path. gén., 1932, 30: 87-109.—**Ramon, G.** Essais d'immunologie comparée; l'immunité et l'influence des substances adjuvantes et stimulantes, étude expérimentale, applications pratiques. Presse méd., 1940, 48: 857-61.—**Sergent, E., & Parrot, L.** Immunité et prémunition. Ann. Inst. Pasteur, Par., 1935, 55: 385-401.—**Silber, L.** Ueber die Paraimmunität. Zschr. Immunforsch., 1926, 47: 347-62.—**Susman, W.** A note on the spleen and immunity. Lancet, Lond., 1927, 1: 1130.—**Topley, W. W. C.** Some aspects of herd immunity. J. R. Army M. Corps, 1935, 65: 368-80.—**Wolff-Eisner, A.** Die Bedeutung der Haut für Immunität und Immunisierung. Münch. med. Wschr., 1928, 75: 1909-12.

— hereditary and innate.

See also **Newborn, Immunization.**

DREYFUS-SÉE, G. S. *L'immunité du nourrisson; contribution à l'étude de l'immunité héréditaire. 194p. 8° Par., 1928.

HILL, A. B. The inheritance of resistance to bacterial infection in animal species; a review of the published experimental data. 71p. 8° Lond., 1934.

LECLAINCHE, X. L. *L'immunité transmise [Paris] 178p. 8° Toulouse, 1927.

Bennett, J. Parental vaccination and transmissible immunity. Publ. Health, Lond., 1935-36, 49: 216-19.—**Bluhm, A.** Immunitätsforschung und Vererbungswissenschaft. Zschr. Hyg., 1931, 112: 246-53.—**Bocchini, A.** Contributo allo studio dell'immunità fetale. Pediatria (Riv.) 1927, 35: 1214-23.—**Buttersack, F.** Gedanken über Immunität. Hippokrates, Stuttg., 1929-30, 2: 609-19.—**Clay, J.** The inheritance of acquired immunity. J. Exp. Biol., Lond., 1935, 12: 49-51.—**Cole, L. J.** Inheritance of disease resistance in animals. Am. Natur., 1930, 64: 5-14.—**Crew, F. A. E.** Genetical aspects of natural immunity and disease resistance. Edinburgh M. J., 1928, n. ser., 35: 361; 383.—**Dalling, T., Mason, J. H., & Gordon, W. S.** The transference of immunity from ewe to lamb. Proc. R. Soc. M., Lond., 1927-28, 21: Sect. Comp. M., 31. Also Vet. J., Lond., 1929, 85: 9-11.—**Fraser, D. T., & Halpern, K. C.** Studies in immunity of mothers and their infants. Tr. R. Soc. Canada, 1933, 3. ser., 27: sect. 5, 91-6.—**Gohar, M. A.** Discussion of immunity and heredity. J. Egypt. M. Ass., 1930, 13: 395-414.—**González, J.** Immunité et hérédité. J. sc. méd. Lille, 1940, 58: 74-83. — Les grandes étapes historiques de l'immunité congénitale. Ibid., 5: 58; passim. — Origine et existence de l'immunité congénitale. Ibid., 58-64.—**Gowen, J. W.** On the genetic structure of inherited constitution for disease resistance. Q. Rev. Biol., 1933, 8: 338-47. — & **Schott, R. G.** A genetic technique for differentiating between acquired and genetic immunity. Am. J. Hyg., 1933, 18: 688-94. Also Collect. Papers Dep. Biol. Johns Hopkins, 1934, 9: (No. 9).—**Grasset, E.** A comparative study of the aptitude of the higher animal organism to acquire immunity throughout the vital cycle, and the relation of this aptitude to hereditary transmission. Pub. South. Afr. Inst. M. Res., 1927-29, 4: 171-90.—**Hall, I. C.** Maternally transmitted immunity to Bacillus sordellii. Proc. Soc. Exp. Biol., N. Y., 1928-29, 26: 799-801.—**Herrmann, O.** Die Vererbung der erworbenen Immunität. Zbl. Bakt., 1. Abt., 1926, 98: 81-5. Also J. eksp. biol., 1926, 21-7. — Vererbung der erworbenen Immunität durch das Keimplasma. Zbl. Bakt., 1. Abt., 1929, 112: 460-4.—**Hill, A. B., Hatswell, J. M., & Topley, W. W. C.** The inheritance of resistance, demonstrated by the development of a strain of mice resistant to experimental inoculation with a bacterial endotoxin. J. Hyg., Lond., 1940, 40: 538-47.—**Hofmeier, K.** Vererbung und Immunität. Klin. Wschr., 1937, 16: 329-33.—**Irwin, M. R.** The inheritance of resistance to the Dancys bacillus in the rat. J. Bact., Balt., 1928, 15: 45.—**Knowlton, M.** Do mothers transmit immunity to their children? J. Prev. M., 1929, 3: 385-9.—**Kozelka, A. W.** The inheritance of natural immunity among animals. J. Hered., 1929, 20: 519-30.—**Lehmann, W.** Die Vererbung der Immunität. Med. Klin., Berl., 1937, 33: 444.—**Lesné, E., & Dreyfus-Sée, G.** Sélection d'espèces animales à caractères immunitaires fixes; transmission de ces caractères selon les lois mendéliennes et modifications durables

obtenus par des vaccinations répétées. C. rend. Soc. biol., 1928, 98: 922-4.—**Mason, J. H., Dalling, T., & Gordon, W. S.** Transmission of maternal immunity. J. Path. Bact., Edinb., 1930, 33: 783-97.—**Mesik, R. E.** [Development of immunobiological properties in puppies] Arkh. biol. nauk, 1936, 40: 43-7.—**Nasso, I.** Immunità del neonato e del lattante. Pediatra (Riv.) 1930, 38: 641-52.—**Nelson, J. B.** The maternal transmission of vaccinal immunity in swine; the duration of active immunity in the sow and of passive immunity in the young. J. Exp. M., 1934, 60: 287-91.—**Neonatal immunity.** J. Am. M. Ass., 1941, 116: 1647.—**Nizzoli, C.** Sulla preesistenza della quarta immunità al momento della nascita. Gazz. osp., 1931, 52: 328-30. Also Prat. pediat., Milano, 1930, 7: 217-20.—**Ono, T.** Study of inheritance of immunity. Jap. J. Exp. M., 1932, 10: 265-90.—**Rhenter, J.** Remarques sur l'immunité du nouveau-né. Bull. Soc. obst. gyn. Paris, 1935, 24: 471.—**Roi, G.** Sulla trasmissione naturale al neonato dell'immunità materna. Riv. ostet. gin., 1931, 13: 280-8.—**Schneider, L., & Szathmáry, J.** [Origin of the humoral immunity in the newborn foal] Allatorv. lap., 1936, 59: 265-70. — [Origin of immunity in the newborn] Orv. hetil., 1937, 81: 278-80. — Ueber die Immunität des neugeborenen Kalbes. Zschr. Immunforsch., 1938, 94: 465-9. — Ueber die Immunität des neugeborenen Hundes. Ibid., 1939, 95: 177-88. — Ueber die Immunität des neugeborenen Kaninchens. Ibid., 189-200. — Ueber die Immunität des neugeborenen Lammes. Ibid., 169-77. — Ueber die Immunität der neugeborenen Säugetiere. Ibid., 1938, 94: 458-65.—**Sergent, E., & Parrot, L.** L'immunité, la prémunition et la résistance innée. Arch. Inst. Pasteur Algérie, 1935, 13: 279-319.—**Timmerman, W. A.** [Transmission of immune substances and immunity from parents to child] Ned. tschr. hyg. microb., 1931-32, 6: 107-37.—**Transmission of antibodies from mother to child.** Lancet, Lond., 1941, 2: 44.—**Webster, L. T.** Inherited and acquired factors in resistance to infection; development of resistant and susceptible lines of mice through selective breeding. J. Exp. M., 1933, 57: 793-817.—**Werner, F.** Beitrag zur Frage der plazentaren Uebertragung von Immunstoffen. Zschr. Infektkr. Haustiere, 1929, 35: 230-9.

— humoral.

See also **Immune serum**; also names of immune bodies.

Aronson, M. Some remarks about the blood and immunity. Med. Critic, 1926, 25: 487-94.—**Kimura, N.** An experimental investigation of transfer of hemolysin and precipitin into the bile and saliva of immunized animals. Japan M. World, 1923, 3: 207-12.—**Kolmer, J. A.** The rôle of humoral elements in immunity. J. Am. M. Ass., 1931, 97: 1203-5.—**Lewkowicz, K.** [Immunity in infections and humors of the organism] Polska gaz. lek., 1930, 10: 681-4. — L'immunité et les humeurs; infections pneumococciques, méningococciques et tuberculeuses. Ann. méd., Par., 1932, 32: 410-24.—**Lumière, A.** Immunité humorale acquise et floculation; complexité du problème de l'immunité; ses modalités. Presse méd., 1932, 40: 139-41.—**Wollman, E., & Uribe, V.** Recherches sur l'immunité humorale chez les animaux à sang froid. C. rend. Soc. biol., 1931, 108: 122; 415.

— local.

See **Immunity, tissue.**

— Measurement.

See also under names of specific diseases as **Diphtheria, Immunity; Diagnosis, etc.**

Cattabeni, C. M. Postmortale Konservierbarkeit der Immunitätsveränderungen in Blut und Geweben; Grenzen ihrer diagnostischen Brauchbarkeit. Deut. Zschr. gerichtl. Med., 1938, 30: 33-42.—**Chertkov, L.** Ueber die Hautanergie bei Säuglingen. Zschr. Immunforsch., 1929, 64: 407-12.—**Fry, L. S.** Tuberculin- and Schick-testing. Lancet, Lond., 1938, 1: 260.—**Harries, E. H. R.** Immunity in the making; observations based upon some records of Schick and Dick tests. Proc. R. Soc. M., Lond., 1927-28, 21: Sect. Epidem., 11-25.—**Huntmüller, O.** Der Nachweis der allgemeinen Widerstandskräfte (Alexine) im Blut bei Gesunden. Münch. med. Wschr., 1929, 76: 490.—**Inoue, S.** Beiträge zur Rieckenbergischen Reaktion. Zbl. Bakt., 1. Abt., 1930, 117: 80-6.—**Mangada, E.** Indice de la inmunidad y sus aplicaciones prácticas. Progr. clín., Madrid, 1916, 8: 154; 265.—**Prausnitz, C., & Meissner, G.** Die Messung der Bakterizidie des menschlichen Blutes nach spezifischer und unspezifischer Vorbehandlung. Zbl. Bakt., 1. Abt., 1925, 94: Orig., 376-87.—**Whitehead, N. T.** The testing of immunity. J. R. Army M. Corps, 1930, 55: 321-6.

— Mechanism.

See also **Immunization, Mechanism.**

Amar, J. Action de masse et défense vitale. C. rend. Acad. sc., 1927, 185: 1542-4.—**Azzi, A.** Equilibri delle difese immunitarie. Gior. batt. immun., 1931, 6: 577-94.—**Belonovsky, G. D.** [The nature of immunity] Sovet. vrach. J., 1937, 2: 325-31.—**Benso, F.** Equilibri delle difese immunitarie; localizzazioni sperimentali chirurgiche. Gior. batt. immun., 1933, 10: 372-403.—**Browning, C. H.** Biological principles in

- immunity. Brit. M. J., 1927, 2: 978-85.—**Bruni, A. C.** Gli apparecchi di difesa nell'organismo umano. Arch. pat., Bologna, 1933-34, 13: 467-81.—**Doerr, R.** Kritik der Lehre von der erworbenen und natürlichen Immunität. In Festschr. H. Zangger, Zür., 1935, 2: 591-9.—**Epstein, S.** Les nouvelles conceptions de l'immunité. Nature, Par., 1926, 54: 291-4.—**Ferguson, B.** The mechanism of resistance. Med. Rev. of Rev., 1929, 35: 299-302.—**Fischer, M. N.** [Nature of immuno-activity and mechanism of its excitation in living matter from the point of view of molecular bioenergetics and the general kinetic chain theory] Arkh. biol. nauk, 1936, 41: 39-49.—**Fisher, M. H.** Immunological activity in the light of molecular bio-energetics; the concepts of E. Bauer. Biodynamica, Normandy, 1936, No. 15.—**Gerster, Ueber Immunität; ein Beitrag zur modernen Humoralpathologie.** Aerztl. Rdsch., 1927, 37: 207-10.—**Greenwood, M., Newbold, E. M.** [et al.] On the mechanism of protection against infective disease. J. Hyg., Camb., 1928-29, 28: 127-32.—**Harvey, W. F., & Iyengar, K. R. K.** Development, duration and restoration of immunity. Ind. J. M. Res., 1927-28, 15: 935-50.—**Herb, F.** The defensive mechanism of the human body as it appears today. Med. Rev. of Rev., 1928, 34: 525-8.—**Izquierdo, J. J.** La verdadera naturaleza de los fenómenos de inmunidad. Rev. mex. biol., 1927, 7: 1-9.—**Jensen, K. A.** Immunitätsstudien. Zschr. Immunforsch., 1929, 63: 298-326.—**Krichevski, I. L., & Avreh, W. W.** Ueber die Rolle des Mediums bei den Phänomenen der Immunität. Ibid., 61: 464-77.—**Lichtwitz, L.** Mechanism of defense. In his Funct. Path., N. Y., 1941, 191-235.—**Loizaga, N. S.** Inmunidad; teoría biológica de Méndez. Día med. urug., 1934, 2: 250; 270; 287.—**Maignon, F.** Théorie fermentaire de l'immunité. Rec. méd. vét., 1939, 115: 513-22. Also Rev. sudamer. endocr., B. Air., 1940, 23: 633-40.—**Manwaring, W. H.** The basic concepts of immunity. J. Immun., Balt., 1926, 12: 177-84.—**Méndez, J.** Sobre algunos problemas del proceso orgánico de la inmunidad. Sem. méd., B. Air., 1928, 35: 1305-7.—**Metalnikov, S.** L'immunité en tant que réaction de défense. Presse méd., 1928, 36: 1613-5.—**Secreteva, V.** L'immunité en tant que réaction de défense. C. rend. Soc. biol., 1926, 94: 572-4.—**Perrin, M., & Cuénot, A.** Contribution à l'étude du pouvoir anagotique et de la phylaxie. J. physiol. path. gén., 1931, 29: 478-95.—**Les phénomènes de phylaxie immédiate et de phylaxie médiate.** Rev. méd. est, 1931, 59: 583-5.—**Pugnani, E.** Equilibri delle difese immunitarie. Atti Congr. naz. microb., 1931, 392. Also Boll. Sez. ital. Soc. internaz. microb., 1931, 3: 439-41.—**Rechmensky, S. S.** [Electro-immunogens from the view-point of micellar theory of immunity] J. mikrob., Moskva, 1938, 20: No. 6, 3-8.—**Rhoads, P. S.** The quantitative nature of immunity. Illinois M. J., 1937, 72: 503-11.—**Rich, A. R.** The mechanism responsible for the prevention of spread of bacteria in the immune body. Bull. Johns Hopkins Hosp., 1933, 52: 203-24.—**McKee, C. M.** A study of the character and degree of protection afforded by the immune state independently of the leucocytes. Ibid., 1934, 54: 277-314.—**Salazar, M.** Síntesis de la inmunidad general. Siglo méd., 1927, 74: 201; 235; 298; 322; 351.—**Sbarsky, B., & Nikolaev, K.** Zur Kenntnis des Mechanismus der Immunitätserscheinungen; Dialysierungsversuche. Biochem. Zschr., 1927, 183: 419-25.—**Schnitzer, von.** Die funktionellen Beziehungen zwischen Komplementen, Vitaminen und Hormonen. Fortsch. Med., 1929, 47: 224-7.—**Sirotnin, M. M.** [Significance of reactions in animals during infection and the aspect of the latter during the various periods of development in relation to immunity and anaphylaxis] Tr. Konf. med. biol. (1936) Kiev, 1937, 130-42.—**Tschermak-Seysenegg, A.** Ueber Kristallanalogie zu den Begriffen der Immunität, Infektion und Erregungsleitung. Med. Klin., Berl., 1932, 28: 287-9.—**Wardovaara, T. W.** Ueber die Entwicklung der konglutinierenden Eigenschaft bei der Immunisierung. Acta Soc. med. Duodecim, 1932, 14: ser. A, fasc. 3, No. 15, 1-143.—**Wright, H. D.** The basis of immunity. Med. J. Australia, 1932, 1: 457-64.

Mechanism, neural.

- METALNIKOV, S.** Rôle du système nerveux et des facteurs biologiques et psychiques dans l'immunité. 166p. 8° Par., 1934.
- Aievoli, E.** Riflessi condizionali e immunità. Riforma med., 1931, 47: 723.—**Belák, S.** [Immunity in relation to the nervous system and general hygiene] Orv. hetil., 1930, 74: 1313-5.—**[Immunity as a vegetative function]** Ibid., 1938, 82: 1129.—**Bogendorfer, L.** Beziehungen zwischen Zentralnervensystem und Immunität. Verh. Deut. Ges. inn. Med., 1927, 39. Kongr., 83-5.—**Ueber den Einfluss des Zentralnervensystems auf Immunitätsvorgänge.** Arch. exp. Path., Lpz., 1927, 124: 65; 126: 378; 1928, 133: 107.—**Cucco, G. P.** Sistema nervoso e fenomeni immunitari. Gior. batt. immun., 1932, 8: 197-203.—**Heilig, R., & Hoff, H.** Ueber zentrale Beeinflussung der Schutzkräfte des Organismus. Klin. Wschr., 1928, 7: 2057-9.—**Immunität (L.)** riflesso condizionale? Minerva med., Tor., 1934, 25: pt 2, Suppl. 4-6.—**Koslowski, M.** Die Bedeutung der bedingten Reflexe für die Immunitätslehre. Frankf. Zschr. Path., 1939-40, 54: 104-17.—**Manolov, D. G.** [Material for the study of the role of the neurodystrophic process in immunity] J. mikrob., Moskva, 1941, No. 7, 58-63.—**Marbais, S.** Théorie cérébrale de l'immunité et de l'anaphylaxie; excitabilité électrique des nerfs dans l'anaphylaxie et l'immunité. Schweiz. med. Wschr., 1933, 63: 669-72.—**Metalnikov, S.** Du rôle du système nerveux dans l'immunité. C. rend. Soc. biol., 1929, 102: 672-5.—**Rôle du système nerveux et des réflexes conditionnels dans l'immunité.** Ann. Inst. Pasteur, Par., 1931, 46: 137-68.—**Die Rolle des Nervensystems und der psychischen Faktoren bei der Immunität.** Zschr. ges. exp. Med., 1932, 84: 89.—**Sur le rôle des réflexes conditionnels dans l'immunité.** Presse méd., 1934, 42: 1893-5.—**Le rôle du système nerveux et des réflexes conditionnels dans l'immunité et l'anaphylaxie.** Gior. batt. immun., 1937, 18: 102-28.—**Chorine, V.** Réflexes conditionnels dans l'immunité. C. rend. Acad. sc., 1926, 182: 1640-2.—**Rôle des réflexes conditionnels dans l'immunité.** Ann. Inst. Pasteur, Par., 1926, 40: 893-900.—**Monari, D., & Gelli, G.** Di una supposta influenza dei riflessi condizionali nell'immunità. Gior. clin. med., 1928, 9: 833-44.—**Schambouloff, D. A., & Belikowa, O. P.** Rôle du système nerveux dans l'immunité, irritation conditionnelle, inhibition conditionnelle et leucocytose. Ann. Inst. Pasteur, Par., 1936, 56: 700-9.—**Sko-beltzyne, V.** Influence du système nerveux sur l'immunité chez les chenilles de Galleria mellonella. Ibid., 1931, 47: 660-6.—**Zernoff, V.** Le rôle du système nerveux dans l'immunité. Ibid., 1937, 58: 212-31.

Mechanism, reticuloendothelial.

See also Antibodies, Production: Reticuloendothelial system in.

- Antonoli, G. M.** Sistema reticolo-endoteliale ed immunità istogena. Gior. batt. immun., 1931, 6: 86-95.—**Baeza Alonso, E.** Sobre las relaciones del sistema reticuloendotelial con la inmunidad. Med. iber., 1933, 27: pt 1, 673; 705.—**Benassi, E.** Sull'importanza degli organi ematopoietici e dell'apparato reticolo-endoteliale nella produzione di sostanze immuni. Arch. pat., Bologna, 1926, 5: 145-66.—**Berthold, G.** Die Seitenkettentheorie Ehrlichs, die Aggressionstheorie Bails und das retikulo-endotheliale System. Berl. tierärztl. Wschr., 1929, 45: 261-5.—**Bieling.** Retikulo-Endothel und Immunität. Zbl. Bakt., 1. Abt., 1929, 110: H. 6-8 [Beih.] 195-210, 3 pl.—**Böhm, A., & Vámos, L.** Esophylaxie und retikuloendoteliales System. Derm. Zschr., 1931, 62: 246-52.—**Doan, C. A.** Relationship of the reticuloendothelial system to cellular and humoral immunity. J. Michigan M. Soc., 1942, 41: 295-303.—**Doria, I.** Influenza del sistema di Goldmann sulla immunità naturale. Ann. med. nav., Roma, 1933, 39: pt 2, 641-6.—**Epstein, E.** Beitrag zur Theorie und Morphologie der Immunität; Histocytenaktivierung in Leber, Milz und Lymphknoten des Immunitätes (Kaninchen) Virchows Arch., 1929, 273: 89-115.—**Veränderungen am Retikuloendotel der Leber, Milz und Lymphknoten des Immunitätes (Kaninchen)** Zbl. Bakt., 1. Abt., 1929, 110: H. 6-8 [Beih.] 223-8.—**Ewald, W.** Zur Morphologie der Immunitätsreaktionen mit besonderer Berücksichtigung des Gefässendothels. Beitr. path. Anat., 1929-30, 83: 681-704.—**Karpachevskaja, B. P.** [Rôle of the reticuloendothelial system in immunity] J. mikrob., Moskva, 1932, 9: 282. Also Zschr. Immunforsch., 1931-32, 73: 190-2.—**Marginesu, P.** L'immunità naturale in rapporto al blocco del sistema reticolo-endoteliale. Igiene mod., 1928, 21: 169-83.

natural.

Koch, W. F. Natural immunity; its curative chemistry in neoplasia, allergy, infection. 163p. 8° [Det.] 1936.

The chemistry of natural immunity. 199p. 20½cm. Bost. [1938]

MERRALL, H. Resistance to disease; primary and paramount natural defence and immunity; a new orientation. 179p. 12° Lond., 1925.

- Arnold, L.** The natural defensive power of the body against disease. Illinois M. J., 1930, 57: 65-7.—**You and your germs; natural resistance to germs.** Bull. Chicago M. Soc., 1934, 37: 313-5.—**Balogh, E.** Sur le problème de la résistance naturelle (l'étude de la résistance naturelle et spécifique des rats blancs) Ann. anat. path., Par., 1933, 10: 65-73.—**Bruynoghe, R.** L'immunité naturelle. Rev. méd., Louvain, 1934, 119-23.—**Crew, F. A. E.** On natural immunity. Vet. Rec., Lond., 1927, 7: 811-4.—**Jelin, W.** Studien über den Mechanismus der natürlichen Immunität. Zbl. Bakt., 1. Abt., 1926, 98: 86-94; 411-9.—**Kleinschmidt, H.** Die natürliche Immunität des Kindes und die Möglichkeiten ihrer Beeinflussung. Jahrbuch. ärztl. Fortbild., 1929, 20: H. 6, 17-32.—**Kolmer, J. A.** The nature of natural and acquired immunity. J. Am. Inst. Homeop., 1929, 12: 12-23.—**Külz, L.** Krankheitsbilder, die dem reinrassigen Naturmenschen fehlen, und die Nutzenanwendung daraus für den Kulturmenschen. Arch. Schiffs Tropenhyg., 1925, 29: Beih. 1, 461-75.—**Leeds, J. G.** Some aspects of the natural resistance of the body to bacterial diseases. Brit. M. J., 1933, 1: 263-6.—**Lepanto, P.** Gli idrati di carbonio nei rapporti coll'immunità naturale; influenza del glucosio sul potere complementare del siero di sangue. Gior. batt. immun., 1932, 8: 506-15.—**Lian, C.** L'immunité naturelle et l'immunité acquise. Rev. path. comp., Par., 1925, 25: 214-24.—**Mendelson, R. W.** Natural immunity to infection as observed in natives of the tropics. South. M. J., 1927, 20: 501-5.—**Phisalix & Marcenac.** La soi-disant immunité naturelle du chien Sloughi aux venins de scorpion et de vipère ainsi qu'au

virus rabique. Bull. Soc. path. exot., Par., 1926, 19: 438-40.—**Proctor, E. R.** Natural immunity in children. J. Am. Osteopath. Ass., 1930, 30: 144-6.—**R., F., & V. A.** Sur l'immunité naturelle et artificielle. Ann. pharm. Louvain, 1904, 10: 15; 56; 97.—**Salazar, M.** Resistencia natural a las infecciones. Siglo méd., 1926, 78: 49-53.—**Strohl, A.** La résistance initiale du corps humain. Bull. Acad. méd., Par., 1931, 3, ser., 105: 636-9.—**Webster, L. T.** Inherited and acquired factors in resistance to infection; a comparison of mice inherently resistant or susceptible to *Bacillus enteritidis* infection with respect to fertility, weight, and susceptibility to various routes and types of infection. J. Exp. Med., 1933, 57: 819-43.—**Weichardt, W.** Ueber natürliche Resistenz und erworbene spezifische Immunität. Ann. Tomarkin Found., 1931, 1: 53-65.

— passive.

See also **Immune serum**, Biological properties.
Besredka, A. De l'immunité locale passive; bases expérimentales. Presse méd., 1933, 41: 561-3.—**Perrin, M., & Cuénot, A.** Considérations sur la durée de l'immunité passive. Bull. gén. théor., 1932, 183: 343. — L'immunité passive peut-elle être considérée comme une protection phylactique? Progr. méd., 1933, 857-61. Also Crón. méd. mex., 1933, 32: 258-62.—**Picado, C.** Immunité passive hétérologue; antitoxines bactériennes du sérum antituberculeux. C. rend. Soc. biol., 1932, 110: 467-9.—**Schmid, E.** Versuche zur Dauer passiver Immunität nach vorangegangener Sensibilisierung. Zschr. Immunforsch., 1933, 93: 229-36.—**Sédallian, P., Jourdan, J., & Clavel, J.** De l'immunité passive conférée à des animaux anciennement immunisés activement. C. rend. Soc. biol., 1937, 125: 676-8.—**Ström, A.** The duration of passive immunity. Acta path. microb. scand., 1935, 12: 275-80.—**Zernov, V.** Sur la spécificité de l'immunité passive chez *Galleria mellonella*. C. rend. Soc. biol., 1928, 98: 1500-2.

— Pharmacology.

See also **Immunity**, Variation.
VOR DEM ESCHÉ, P. *Tierexperimentelle Untersuchungen über die Beeinflussung der Immunitätslage durch AOI-Bertram [Münster] 31p. 21cm. Gütersloh, 1937.

Bortolotti, R. Equilibri delle difese immunitarie dell'organismo; infezione sperimentale da *Bacterium prodigiosum* in animali intossicati con cantaridina. Gior. batt. immun., 1934, 13: 1607-85.—**Dechigi, M., & Torelli, L.** L'influenza del manganese sullo stato immune. Boll. Ist. sieroter. milan., 1936, 15: 193-202.—**Hoch-Ligeti, C.** Studies on the effect of carcinogenic hydrocarbons on immunity reactions. Brit. J. Exp. Path., 1941, 22: 233-40.—**Klopstock, F.** Ueber den Einfluss von Heparin und Germanin auf Immunreaktionen. Zschr. Immunforsch., 1932, 75: 348-54.—**Leuchtenberger, R.** Ueber Aenderungen der natürlichen Immunität beim Peptonshock des Hundes. Klin. Wschr., 1931, 10: 2163-5.—**Molinengo, L.** Equilibri delle difese immunitarie; infezione sperimentale da *Bacterium prodigiosum* sotto narcosi da cloruro d'etile. Gior. batt. immun., 1934, 12: 65-80.—**Mosiagina, E. N.** [Effect of injections of so-called irritating preparations on the immunobiological state of the thecoestition] Sovet. pediat., 1936, No. 8, 16-21.—**Nicolosi, G.** Influenza della narcosi sui poteri immunitari naturali ed artificiali dell'organismo. Arch. ital. chir., 1933, 34: 81-92.—**Pfalz, G. J.** Wie reagiert die natürliche Immunität des Blutes auf Narkose und Anästhesie? Klin. Wschr., 1930, 9: 1343-5.—**Pockels, W.** Organextrakte in ihrer Wirkung auf immunbiologische Vorgänge. Mschr. Kinderh., 1929, 44: 123-8.—**Podetti, V.** Equilibri delle difese immunitarie dell'organismo; infezione sperimentale da stafilococco nel coniglio sotto narcosi da cloroformio. Gior. batt. immun., 1934, 12: 250-6.—**Ramon, G.** L'immunità e l'influenza delle sostanze coadiuvanti e stimolanti. Minerva med., Tor., 1939, 30: pt 2, 225-33.—**Torelli, L.** L'influenza del ferro sullo stato immune. Gior. batt. immun., 1936, 16: 418-29. — L'influenza del rame sullo stato immune. Ibid., 430-8.

— Reactions.

See also **Antibodies**, Immune reactions; **Immunity**, Chemistry, etc.

Amiradzibi, S., & Baecher, S. Ueber quantitative Verhältnisse bei den biologischen Reaktionen und Aviditätsdifferenzen. Zschr. Immunforsch., 1910, 6: 311-26.—**Berger, E.** Beziehungen zwischen immunochemischen und andern Reaktionen. Schweiz. med. Wschr., 1936, 66: 1309.—**Domingo, P.** Aspectos de la reacción inmunoalérgica a la infección. Rev. méd. Barcelona, 1927, 2, ser., 8: 107-13.—**Duncan, J. T.** The specific character of the stage of aggregation in agglutination and precipitation of antibody-antigen compounds. Brit. J. Exp. Path., 1938, 19: 328-38.—**Hirszfeld, L.** Ueber serologische Reifungsvorgänge und stille Feigung. Schweiz. med. Wschr., 1934, 64: 203-5.—**Ivanovics, G.** Ueber den Mechanismus der Bakteriumagglutininbindung; Bindungsgesetze bei Verwendung vor gelösten Bakterienantigenen. Zschr. Immunforsch., 1935, 86: 165-80.—**Kahn, R. L., & McDermott, E. B.** Are there limits to the capacity for immunologic responses? Arch. Path., Chic., 1935, 20: 157.—**Luzzatto, A.** Intorno ad un particolare fenomeno immunitario. Atti Accad. fisiocr. Siena, 1923-24, 9, ser., 15: 9-16.—**Martin, D. S.** The immunological

reactions of the blood. Bull. Richmond Acad. M., 1939, 7: 45-53.—**Seshadrinathan, N.** Some modern ideas on immunity reactions. Madras M. J., 1931, 13: 286-91.

— Specificity.

MARTINY, M., PRÉTET, H., & BERNÉ, A. La spécificité biologique (anaphylaxie; immunité, hérédité) 209p. 8° Par., 1932.

WEICHARDT, W. Unspezifische Immunität. 90p. 8° Jena, 1926.

Billard, G. Phylaxie non spécifique et immunité spécifique. C. rend. Soc. biol., 1927, 96: 503-7. — Phylaxie non spécifique; phylaxie par certaines eaux minérales. Progr. méd., Par., 1927, 42: 731-6.—**Isikawa, T., & Yamamoto, H.** Une contribution sur l'étude de la spécificité organique. Tohoku J. Exp. M., 1933, 21: 524-31.—**Jordan, P.** Zum Problem der spezifischen Immunität. Fundam. radiol., Berl., 1939, 5: 43-6.—**Klein, J. E.** Nonspecific immunity. Med. Rec., N. Y., 1937, 145: 192.—**Liubarsky, V. A.** [On non-specific immunity] Sovet. pediat., 1935, 4-9.—**Morgan, W. T. J.** A conception of immunological specificity. J. Hyg., Lond., 1937, 37: 372-83.—**Paton, D. M.** Non-specific immunity. Med. J. Australia, 1926, 2: 103-7.—**Ruggerini, G.** Immunità specifica e antagonismi immunitari. Ann. igiene, 1933, 43: 421-31.—**Salazar, M.** Immunidad especial. Siglo méd., 1927, 74: 453; 486; 515.—**Schnabel, A.** Das Phänomen der Spezifität in der Immunitätslehre. Jahrbuch. ärztl. Fortbild., 1920, 11: H. 10, 15-24. — [Specific and non-specific immunity] In: Otchet nauch. deiat. (Vsesoiuz. inst. eksp. med.) Moskva, 1940, 46.—**Topley, W. W. C.** Chemical structure and immunological specificity. S. K. Thomas Hosp. Gaz., Lond., 1935, 35: 225-33.—**Wolff, L. K.** [Specific and non-specific immunity] Ned. tscr. geneesk., 1927, 71: 965-8.—**Zilber, L. A., & Manuilova, N. S.** [The problem of specificity in immunity] J. epidem. mikrob., Moskva, 1932, 1: 4-13.

— tissue [Local resistance]

See also **Infection**; **Inflammation**.

BESREDKA, A. Les immunités locales. 223p. 8° Par., 1937.

KAHN, R. L. Tissue immunity. 707p. 8° Springf. [1936]

MAGRASSI, F. L'immunità locale tissurale e cellulare. 321p. 8° Milano, 1935.

SHWARTZMAN, G. Phenomenon of local tissue reactivity and its immunological, pathological and clinical significance. 461p. 8° N. Y., 1937.

Bertarelli, E. Applicazioni pratiche dell'immunità locale. Pensiero med., 1926, 15: 497. — I curiosi fenomeni dell'immunità locale. Igiene e vita, 1927, 10: 45.—**Bonanno, A.** Immunità locale e mucosa intestinale. Atti Congr. naz. microb., 1932, 4, Congr., 341-4.—**Borok, M. R., & Pick, M. M.** Zur Frage der gegenseitigen Beziehungen zwischen der allgemeinen und der örtlichen Immunität. Beitr. Klin. Tuberk., 1926, 63: 123-7.—**Camus, L.** De l'influence des réactions physiologiques sur les manifestations locales de l'infection et de l'immunité. Bull. Acad. méd., Par., 1928, 3, ser., 100: 786-93.—**Cannon, P. R.** Some aspects of tissue-immunity. Clin. Bull. Cleveland, 1938, 2: 28-31.—**Cantani, F.** Contributo allo studio dell'immunità locale attraverso i principali risultati di un sessennio di ricerche sperimentali. Atti Congr. naz. microb., 1932, 4, Congr., 335-9. Also Boll. Sez. ital. Soc. internaz. microb., 1932, 4: 613-6.—**Scala, V.** Contributo sperimentale e clinico allo studio del meccanismo di azione della immunità locale. Gazz. internaz. med. chir., 1929, 34: 13; No. 2, 50-60.—**Cappelli, J.** Espressioni cliniche dell'immunità cutanea (prolusione al corso di clinica dermosifilopatica) Gior. ital. derm. sif., 1927, 68: 3-16.—**Centanni, E.** La immunità istogene studiata col metodo delle colture dei tessuti in vitro. Arch. sc. med., Tor., 1927, 51: 373-6. Also Arch. exp. Zellforsch., 1928, 6: 181-6.—**Coddington, H. W.** Studies in non-specific tissue immunity. Med. World, 1937, 55: 270-4.—**Combiescu, D.** [Local immunity and cutaneous immunity] Rev. st. med., Bucur., 1930, 19: 833-41.—**Del Castillo, H.** Inmunidad local. Día méd., B. Air., 1931-32, 4: 391.—**Domingo, P.** Inmunidad local y general. Rev. méd. Barcelona, 1926, 2, ser., 5: 491-3.—**Engelhardt, W.** Haut und Immunität. Zbl. ges. Ophth., 1927, 17: 785-804.—**Favilli, G.** Ricerche sul meccanismo della immunità locale. Atti Congr. naz. microb., 1932, 4, Congr., 339-41. Also Boll. Sez. ital. Soc. internaz. microb., 1932, 4: 627-9. — Sulla probabile esistenza di fattori di origine istogena capaci di modificare la permeabilità cellulare; azione antagonista degli estratti testicolari e dei cosiddetti antivirul; l'immunità locale come fenomeno in rapporto alla permeabilità cellulare. Sperimentale, 1932, 86: 303.—**McClellan, D.** The influence of tissue permeability on local immunity. J. Path. Bact., Lond., 1937, 45: 661-80.—**Fiorani Gallotà, P. L.** Le immunità locali. Gior. Soc. ital. igiene, 1929, 51: 68-73.—**Gay, F. P.** Local or tissue immunity. Arch. Path., Chic., 1926, 1: 590-604. — The function of the tissues in immunity. Tr. Ass. Am. Physicians, 1926, 41: 262-7. — Tissue resistance and immunity. Harvey Lect., Balt., 1930-31, 26: 162-86, pl. Also J. Am. M. Ass., 1931, 97: 1193-9.—**Gerlach, W.** Zur Frage

mesenchymaler Reaktionen; die morphologisch fassbaren biologischen Abwehrvorgänge in den inneren Organen normergischer und hyperergischer Tiere, insbesondere in Milz und Leber. Krankheitsforschung, 1928, 6: 279-322, pl. — **Finkeldey, W.** Zur Frage mesenchymaler Reaktionen; die Beteiligung der Lunge an den Abwehrreaktionen des normalen und leistungsgesteigerten Organismus. Verh. Deut. path. Ges., 1926, 21: 173-81. — **Grumbach, A.** Reaktive Zone und Leukozyten in der lokalen Immunität. Zbl. Bakt. 1. Abt., 1929, 110: II. 6-8 [Beih.] 146-50. — **Haibe, A.** A propos d'immunité locale. C. rend. Soc. biol., 1926, 94: 1043. — **Hajós, K.** Die Rolle der Haut und Hauteize in der Immunkörperbildung. Zschr. ges. exp. Med., 1927, 55: 551-6. — **Hanger, F. M.** The effect of inflammatory reactions on tissue immunity. J. Exp. M., 1930-31, 52: 485-500, 2 pl. — **Hervás Moncho, M.** Contribución al estudio de la inmunidad local. Rev. san., Madr., 1933, 8: 588; pt 2, 23. — **Hoppe, E. N.** The action of living tissue on bacterial toxins. Annual Rep. N. York State Dep. Health, 1933, 54: 49. — **Kahn, R. L.** Studies on tissue reactions in immunity; capacity of different tissues of protein-immunized rabbits to combine with antigen. J. Immun., Balt., 1934, 27: 143-67. — Tissue reactions in immunity: the specific reacting capacities of different tissues of an immunized animal. Science, 1934, 79: 172-5. — Tissue reactions in immunity: some clinical implications. Yale J. Biol., 1934, 7: 133-46. — The tissues in immunity. In Med. Leaves (J. C. Beck) Chic., 1937, 81-5. — **McDermott, E. B.** Studies on tissue reactions in immunity; union between specific antigen and skin of protein-immunized rabbits. J. Immun., Balt., 1934, 27: 125-42. — **Klukhine, E.** De l'immunité locale et de son mécanisme. C. rend. Soc. biol., 1927, 96: 35. — **Kushnarev, M. A.** Infektion und Immunität der Haut unter Floekadbedingungen. Zschr. Immunforsch., 1929, 60: 205-21. — Zur Frage nach der lokalen spezifischen Immunität der Haut. Ibid., 1930, 65: 517-23. — **Loewenthal, H.** Untersuchungen über Immunität und Anaphylaxie an Gewebekulturen. Zbl. Bakt., 1. Abt., 1927, 104: 52-61. — **Mariani, G.** Reazioni di difesa e stati immunitari cutanei. Gior. med. Alto Adige, 1929, 1: No. 8, 81-7. — **Menkian, V.** Inflammation in relation to immunity. Sunti Congr. internaz. fisiol., 1932, 14. Congr., 178. — **Mutermilch, S.** Immunité anti-microbienne de la cavité méningée. C. rend. Soc. biol., 1927, 96: 397-9. — **Salamon, E.** Sur l'immunité méningée passive et active. Ibid., 1931, 108: 696-9. — **Nukada, S.** Studies on tissue immunity. Japan M. World, 1924, 4: 92. — **Pacheco, G. A.** Local tissue immunity. Arch. Path., Chic., 1932, 13: 868-88. — **Prigge, R.** Lokale Immunität. Med. Klin., Berl., 1937, 33: 441-4. — **Renaux, E.** Le problème de l'immunité locale. Bruxelles méd., 1928-29, 9: Suppl., 58-61. — **Rin, S.** Experimentelle Untersuchungen über die Immunitätsreaktion des Gewebes. Tr. Soc. path. jap., 1937, 27: 372-5; 1938, 28: 173-7. — **Rodrigues, S. L.** Inflammatory reaction; its immunological nature and purpose. Sind M. J., 1931, 4: 11; 74. — **Salazar, M.** Inmunidad local. Siglo méd., 1927, 79: 73-5. — **Schambourov, D. A., Kulkov, A. E. & Tarnopolska, M. E.** Local immunity in the subarachnoid space. Acta med. scand., 1934, 82: 173-92. Also Vrach. delo, 1934, 16: 199-206. — **Simotuma, K.** Experimentelle Untersuchungen über die lokale Immunität der Bauchhöhle, besonders über die Bedeutung der Histiozyten. J. Orient. M., Dairen, 1926, 5: No. 6, 67. — **Sobernheim, G.** Gewebsummunität und humorale Immunität. In Festschr. 70. Geburtstag Hermann Sahli, Basel, 1926, 88-96. — **Stohlyhwo, N.** Du caractère spécifique de l'immunité locale de la peau. C. rend. Soc. biol., 1939, 130: 31. — **Sullivan, F. L., Neckermann, E. F., & Cannon, P. R.** The localization and fate of bacteria in the tissues. J. Immun., Balt., 1934, 26: 49-67. — **Theilhaber, A., & Rieger, H.** Zur Lehre von dem Gewebsschutz. Münch. med. Wschr., 1920, 67: 368. — **Tinozzi, F. P.** Sull'importanza dell'immunità locale nella eliminazione degli innesti di cute omoplastica. Ann. ital. chir., 1928, 7: 660-83. — **Walker, K.** [Immunity of the skin and the nervous system] Polska gaz. lek., 1930, 9: 102-4.

Variation.

Bosa, F. & Cerbone, R. Ricerche sulla influenza della temperatura sui poteri immunitari negli eterotermi. Riv. pat. sper., 1928, 3: 87-95. — **Castellana, A., & Brancato, F.** L'influenza della intossicazione di origine intestinale sullo stato immunitario dell'organismo. Boll. Ist. sieroter. milan., 1927, 6: 55-71. — **Cattabeni, C. M.** Sono le reazioni immunitarie influenzate dal trauma? Ibid., 1939, 18: 730-4. — L'influenza del trauma sulle reazioni immunitarie; allergia e eudaimonia. Arch. antrop. crim., Milano, 1940, 60: 656-62. — **Eidinow, A.** Immunity reactions after ultra-violet irradiation of the skin. Lancet, Lond., 1941, 1: 540-2. — **Finucci, V.** Equilibrio delle difese immunitarie; stimoli specifici e infezione sperimentale. Gior. batt. immun., 1934, 13: 139-45. — **Holthusen, H.** Licht und Immunität. Strahlentherapie, 1928-29, 31: 238. — **Kielanowski, T.** [Significance of the nervous system and mental state in immunity; attempt to explain immunity from the view-point of the theory of holism] Polska gaz. lek., 1938, 17: 61-3. — **Merrill, I. B., & Howe, E. C.** The effect of exercise and fatigue upon resistance to infection; an experiment on the albino rat using *Pseudomonas aeruginosa* as infecting agent. Am. Phys. Educ. Rev., 1928, 33: 67-74, pl. — **Möller, A.** Einfluss der Aussentemperatur auf Immunität und Anaphylaxis. Med. Welt, 1927, 1: 1237. — **Schultz, F. W., & Wetzel, W. W.** Correlation of ultra-violet absorption to the develop-

ment of immunity. Proc. Soc. Exp. Biol., N. Y., 1928-29, 26: 878-80. — **Seitz, A.** Endokrine Drüsen und Abwehr. Zbl. Bakt., 1. Abt., 1928, 109: 115-29. — **Severi, R.** Azione dell'aria compressa sui processi immunitari. Boll. Ist. sieroter. milan., 1935, 14: 419-30. — **Stewart, D. J., & Jones, F. G.** Individual variation in immunity; variance of antitoxic response in guinea pigs inoculated with diphtheria toxoid. Canad. Pub. Health J., 1942, 33: 45. — **Thelander, H. E.** Individual variations in immunity. Am. J. Pub. Health, 1935, 25: 737-40. — **Trossarelli, L.** Equilibri delle difese immunitarie; reazione difensiva nelle cavie sottoposte a infezioni ripetute ed a infezione unica col *Bacterium pyocyaneum*. Gior. batt. immun., 1932, 8: 583-95. — **Věšín, S.** [Experimental study on general immunity; effect of small dosages of Roentgen rays on the spleen] Cas. lek. česk., 1933, 72: 1086-90. — **Virano, G.** Equilibrio di difesa immunitaria nell'infezione sperimentale in animali sottoposti a stimoli unici e a stimoli ripetuti. Atti Congr. naz. microb., 1931, 390. Also Boll. Sez. ital. Soc. internaz. microb., 1931, 3: 459. Also Gior. batt. immun., 1931, 7: 821-39.

Variation: Age.

See also Immunity—in children.

CHABRUN, J. M. E. *De l'infection et de l'immunité humorale chez l'enfant en bas-âge. 238p. 8° Par., 1928.

Baumgartner, L. The relationship of age to immunological reactions. Yale J. Biol., 1934, 6: 403-34. — **Becker, J.** Experimentelle Untersuchungen über Abwehrreaktionen des jugendlichen Organismus. Mschr. Kinderh., 1926, 34: 207-12. — **Eguti, T., & Yositori, I.** Ueber die verschiedene Empfänglichkeit junger und erwachsener Individuen für Infektionen; über den Mechanismus von natürlicher Abwehrkraft erwachsener Individuen gegen perorale Infektionen. Polyclin. Dairen, 1926-28, 3: No. 13, 17-20. — **Gismondi, A.** Il bambino e le sue variazioni immunitarie. Prat. pediat., Genova, 1927, 4: No. 10, 277-87. — **Kirschner, M.** Die Abhängigkeit der Widerstandskraft vom Lebensalter. Zbl. Chir., 1927, 54: 1026-30. — **Lyon, R. A., & Mitchell, A. G.** Studies in immunity; spontaneous changes in the Dick and Schick reactions of children. Am. J. Dis. Child., 1939, 58: 734-7. — **McKhann, C. F., & Kapnick, I.** Immunity and susceptibility to disease in early infancy. J. Pediat., St. Louis, 1938, 13: 907-18. — **Meyer, L. F.** Ueber Immunität und Ernährung im Kindesalter. Klin. Wschr., 1925, 4: 1481-6. — **Mussa, B.** Difese immunitarie ed età. Gior. batt. immun., 1933, 10: 1057-150. — **Nasso, I.** Ueber die Immunitätsverhältnisse beim jungen Säugling. Kinderärztl. Prax., 1933, 4: 1-3. — **Thompson, C. W.** Are children more resistant to disease than adults? Internat. J. Orthodont., 1933, 19: 1062-5.

Variation: Diet.

Bonanno, A. M. Pouvoirs immunitaires et défenses de l'organisme au cours de l'infection expérimentale du cobaye entretenu avec un régime alcalosique et acidosique. Boll. Sez. ital. Soc. internaz. microb., 1931, 3: 651. — **Davis, S. L.** The relation of nutrition to general immunity. J. Dent. Res., 1928-29, 9: 11-28. — **Feller, A. E., Roberts, L. B.** [et al.] Studies on the influence of vitamin A and vitamin C on certain immunological reactions in man. J. Clin. Invest., 1942, 21: 121-37. — **Giroud, P.** Variation du pouvoir infectant d'un virus de souris en fonction du régime. C. rend. Soc. biol., 1936, 123: 862-4. — **Glukhov, K. T., & Sokolova, J. V.** [Influence of inanition on the formation of immune-body in persons and in animals according to data of vaccinations in Petrograd in 1921] Arkh. biol. nauk, 1926, 26: 1; 17. — **Hotta, Y.** Der Einfluss der Ernährung auf die natürliche Resistenz. Zbl. Bakt., 1. Abt., 1928, 108: 413-30. — **Jusatz, H. J.** Die Beeinflussung des Immunitätsstandes durch Vitamine. Erg. Hyg. Bakt., 1937, 19: 464-97. — **Mazé, P.** La nutrition minérale de la cellule vivante et les vitamines; la nutrition minérale et la résistance naturelle des végétaux et des animaux aux maladies infectieuses. Ann. Inst. Pasteur, Par., 1927, 41: 948-81. — **Trabucco, A.** Equilibri delle difese immunitarie; infezione sperimentale col *Bacterium pyocyaneum* in animali a dieta con fieno autoclavato e sistema endocrino. Gior. batt. immun., 1933, 10: 404-18. — **Trossarelli, L.** Equilibrio di difesa immunitaria nell'infezione sperimentale di animali normalmente alimentati e in avitaminosi. Atti Congr. naz. microb., 1931, 391. Also Boll. Sez. ital. Soc. internaz. microb., 1931, 3: 461. — **Virando, A.** Avitaminosi, inanizione e difese immunitarie nell'infezione sperimentale da *Bact. prodigiosum*. Gior. batt. immun., 1932, 8: 596-614. — **Wedgewood, P. E.** The chemical basis of immunity; the influence of vitamins B and C on anaphylaxis. Med. Bull. Univ. Cincinnati, 1924, 2: 172-80.

in animals.

ROSENTHAL, W. Tierische Immunität. 329p. 22cm. Brnschw., 1914.

Korsch, L. Beitrag zur Frage der Abwehrleistungen bei neugeborenen und jungen Kaninchen. Virchows Arch., 1929, 274: 230-46. — **Topley, W. W. C.** Some aspects of herd immunity. Vet. Rec., Lond., 1935, 15: 1309-15. — **Wollman, E.** Recherches immunologiques sur les animaux inférieurs; les propriétés humorales chez les grenouilles. Rev. immun., Par., 1938, 4: 101-10. — **Uribe, V.** Recherches sur l'im-

munité humorale chez les animaux à sang froid. C. rend. Acad. sc., 1931, 192: 982-4.—Zernov, V. Sur l'immunité chez Carausius (Dixippus) morosus. Ibid., 1934, 116: 148-50.

in animals: Invertebrata.

ZERNOV, V. *L'immunité chez les insectes. 83p. 8°. Par., 1935.

Avrakh, V. V., & Heronimus, E. S. [Mechanism of immunity in invertebrata] J. mikrob., Moskva, 1936, 17: 614-8.—Cantacuzène, J. Le problème de l'immunité chez les invertébrés. C. rend. Soc. biol., 1926, 95: célebr. 75. anniv., 48-119. Recherches sur les réactions d'immunité chez les invertébrés. Arch. roumain. path., Par., 1928, 1: 7-80, 24 pl.—Chorine, V. Sur l'immunisation des chenilles de la mite des abeilles (Galleria mellonella). C. rend. Soc. biol., 1927, 97: 1288-90. — Sur la spécificité de l'immunité acquise chez les insectes. Ibid., 1935-7. — Sur l'immunisation des chenilles de Galleria mellonella contre le Bacterium galleria No. 2. Ibid., 1928, 186: 1659-61. — Contribution à l'étude de l'immunité chez les insectes. Bull. biol. France, 1931, 65: 291-393. — & Korvine-Kroukovsky, M. Sur l'immunisation du fragments isolés du corps des chenilles de Galleria mellonella. C. rend. Soc. biol., 1929, 100: 15.—Couvreur, E. Quelques points relatifs à la question de l'immunité chez les invertébrés. Ibid., 1926, 95: célebr. 75. anniv., 120-3.—Eckstein, F. Ueber Immunität bei Insekten. Anz. Schädlingssk. 1931, 7: 49-55.—Erber, B. A propos de l'immunité chez les invertébrés. C. rend. Soc. biol., 1926, 95: célebr. 75. anniv., 123-8.—Huff, C. G. Immunity in invertebrates. Physiol. Rev., 1940, 20: 68-88.—Kladienko, D. P. [Immunity in invertebrates] J. méd., Kiev, 1937, 7: 277-82. [Immunity in invertebrates; immunity in Coelenterata (Hydra fusca)] Ibid., 573-78, 2 pl.—Makino, K. Beobachtungen über die Immunitätsreaktionen bei Molluskenarten. Zschr. Immunforsch., 1933-34, 81: 316-35.—Metelnikov, S. A propos de l'immunité chez l'Ascaris megalocephala. C. rend. Soc. biol., 1926, 95: célebr. 75. anniv., 128. Contribution à l'étude de l'immunité chez les invertébrés. Ann. Inst. Pasteur, Par., 1926, 40: 787-826. — & Chorine, V. Etude sur l'immunité naturelle et acquise des Pyrausta nubilalis. Ibid., 1930, 44: 273-97.—Paillet, A. Les caractères de l'immunité chez les insectes. C. rend. Soc. biol., 1926, 95: célebr. 75. anniv., 130-2. — La symbiose bactérienne et l'immunité humorale chez les aphides. C. rend. Acad. sc., 1929, 188: 1118-20.—Trossarelli, L. L'immunità negli insetti. Gior. batt. immun., 1934, 13: 769-74.—Tumanov, K. Essais sur l'immunisation des abeilles. C. rend. Acad. sc., 1927, 185: 1078-80.—Zernov, V. L'immunité passive chez Galleria mellonella. C. rend. Soc. biol., 1927, 97: 1697-9. — Sur la nature de l'immunité passive chez les chenilles de Galleria mellonella. Ibid., 1928, 99: 315-7. — L'immunité passive et la sérothérapie chez les insectes (chenilles de Galleria mellonella) Ann. Inst. Pasteur, Par., 1930, 44: 604-18. — L'immunité et les anticorps non spécifiques chez les insectes (chenilles de Galleria mellonella) C. rend. Soc. biol., 1931, 106: 151-3.

in children.

Auricchio, L. Ricerche sull'immunità del neonato e del lattante. Pediatra (Riv.) 1930, 38: 65-74.—Dreyfus-Sée, G. Sur quelques caractères spécifiques de l'immunité du nourrisson. Arch. méd. enf., 1930, 33: 15-23.—Munk, J. [Immunity in infants] Mschr. kindergesek., 1931-32, 1: 311-24.—Vaccari, D. Contributo allo studio dell'immunità in generale e di quella dei bambini in particolare. Clin. pediat., Mod., 1932, 14: 479-506.

in plants.

Arata, M. Il meccanismo dell'immunità nei vegetali. Boll. Ist. sieroter. milan., 1935, 14: 558; 682; 6 pl.—Butler, E. J. The nature of immunity from disease in plants. Rapp. Congr. internat. path. comp., 1936, 3. Congr., 1: pt 2, 1-15.—Carbone, D. L'immunità nelle piante. Gior. biol. med. sper., 1924-25, 2: 288-91. Also Boll. Soc. biol. sper., 1926, 1: 131-3. — & Arata, M. Sur le mécanisme de l'immunité acquise chez les plantes. Boll. Sez. ital. Soc. internaz. microb., 1934, 6: 219-26.—Carbone, D., & Jarach, M. Sur le mécanisme de l'immunité acquise active chez les plantes. Ibid., 1931, 3: 54-6.—Chester, K. S. The problem of acquired physiological immunity in plants. Q. Rev. Biol., 1933, 8: 129; 275. Also Boll. Ist. sieroter. milan., 1934, 13: 637; 917; 1029.—Doussain, C. L. Considérations sur l'immunité des végétaux. Rev. path. comp., Par., 1925, 25: 73-5.—Dufrenoy, J. Le rôle des amino-acides et des composés phénoliques dans la susceptibilité ou la résistance des plantes aux maladies. Rapp. Congr. internat. path. comp., 1936, 3. Congr., 1: pt 2, 16-38.—Fahmy, T. Immunity in plants and immunity to fusarium wilt in cotton. Ibid., 143-51.—Gäumann, E. Les facteurs de la susceptibilité et de la résistance des végétaux aux maladies parasitaires. Ibid., 39-63. — Immunitätsprobleme bei Pflanzen. Internat. med. W. Schweiz (1936) 1937, 2. Congr., 307-25.—Gardère, H., & Le Van-Ngon. Production d'agglutinines pour le bacille d'Eberth chez la plante, après injection microbienne dans la tige. C. rend. Soc. biol., 1936, 132: 599.—Gheorghiu, I. Etude sur l'immunité chez les plantes. Ann. Inst. Pasteur, Par., 1936, 57: 204-12.—Kostov, D. Induced immunity in plants. Proc. Nat. Acad. Sc. U. S., 1928, 14: 236. — Acquired immunity in plants. Genetics, 1929, 14: 37-77.—

Kunkel, L. O. Studies on acquired immunity with tobacco and aucuba mosaics. Phytopathology, 1934, 24: 437-66.—Lee-mann, A. C. The problem of active plant immunity. Zbl. Bakt., 2. Abt., 1931-32, 85: 360-76.—Locke, S. B. Resistance in South American Lycopersicon species to early blight and Septoria blight. Phytopathology, 1942, 32: 12.—McKinney, H. H. Virus antagonism, natural host resistance, and the acquired-immunity concept with reference to plants. Ibid., 1941, 31: 1059-61.—Magrou, J. Contribution à l'étude de l'immunité humorale chez les plantes. Ann. Inst. Pasteur, Par., 1938, 60: 565-600, 2 pl.—Politis, J. Immunité et hérédité chez les végétaux. Rapp. Congr. internat. path. comp., 1936, 3. Congr., 1: pt 2, 83-95.—Reed, H. S. Cellular nutrition and immunity. Ibid., 97-106.—Ricci, M. Il problema dell'immunità nelle piante; ricerche sulla natura della sostanza agglutinante dei tubercoli radicali delle leguminose. Med. sper., Tor., 1940, 6: 157-68.—Rieman, G. H. Genetic factors for pigmentation in the onion and their relation to disease resistance. J. Agr. Res., 1931, 42: 251-78, 3 pl.—Sarejanni, J. A. L'immunité des plantes. Presse méd., 1936, 44: 1698.—Săvulescu, T. L'immunité aux maladies bactériennes des plantes. Rapp. Congr. internat. path. comp., 1936, 3. Congr., 1: pt 2, 183-251.—Tobler, F. Untersuchungen und Betrachtungen über Immunität und Immunisierung im Pflanzenreich. Naturwissenschaften, 1931, 19: 413-6.—Wallace, J. M. Acquired immunity from curly top in tobacco and tomato. Phytopathology, 1942, 32: 24.—Weetman, L. M. Genetic studies in oats of resistance to 2 physiologic races of crown rust. Ibid., 19.—Young, P. A. Wilt-resistant tomatoes with new genetic characters. Ibid., 24.

IMMUNIZATION.

See also Immune serum, Therapeutic use; Vaccination; also Biological products; also names of immune bodies, and of specific diseases.

BIELING, R., & MEYER, F. Heilsera und Impfstoffe in der Praxis. 184p. 8°. Lpz., 1932.

DIEUDONNÉ, A., & WEICHARDT, W. Schutz- und Heilimpfung; spezifische und unspezifische Therapie, Serumtherapie, Chemotherapie. 12. Aufl. 258p. 8°. Lpz., 1932.

FLEMING, A., & PETRIE, G. F. Recent advances in vaccine and serum therapy. 463p. 8°. Lond., 1934.

GÓZONY, L. [Vaccino- und serumtherapy] 31p. 8°. Budap., 1932.

Amaral, A. do. Aequalia eum aequalibus. Rass. clin. sc., 1932, 10: 189-92.—Anders, J. M. Certain aspects of immunization in communicable diseases of childhood. Internat. Clin., 1928, 38. ser., 4: 165-77. Also Tr. Coll. Physicians Philadelphia, 1928, 50: 168-79.—Armstrong, C., & Harrison, W. T. Heterologous experience (immunization) as a factor in resistance to disease. Pub. Health Rep., Wash., 1933, 48: 597-609.—Be wise, immunize: Florida's answer. Florida Health Notes, 1942, 34: 51-4.—Blanco Vitorero, J. R. Síntesis de los conocimientos actuales sobre la inmunización contra las enfermedades infecciosas. Rev. med., Rosario, 1936, 9: 1-19.—Boxwell, W. A sketch of the development of therapeutic immunisation. Med. Press & Circ., Lond., 1912, n. ser., 94: 568-71.—Brauchle, A. Entgegnung zu dem Aufsatz von Kiet-schel; die Stellung der Naturheilkunde zur aktiven und passiven Immunisierung. Hippokrat., Stuttz., 1938, 9: 289-92.—Can immunisation stamp out disease? Med. Off., Lond., 1941, 65: 117.—Clément, R., & Dreyfus-Sée, G. Immunisations provoquées (vaccinations, séro-prophylaxie) Bull. gén. théor., 1934, 185: 205-10.—Coutière, H. Chimie. Biol. méd., Milano, 1930, 20: 151-69.—Farrier, R. C. Immunizations. Illinois M. J., 1940, 77: 63-7.

— Immunizations and vaccines. West Virginia M. J., 1934, 30: 20-2.—Faulds, J. S. Immunisation in theory and practice. J. R. San. Inst., 1935-36, 66: 60-73.—Flandin, C. Les lois diverses de l'immunisation et leurs conséquences thérapeutiques. Progr. méd., Par., 1930, 1847-53.—Floyd, W. M. Serum and bacterin therapy. Kentucky M. J., 1911-12, 10: 119-27.—Fothergill, L. D. Some recent advances in vaccines and serums: a review. Med. Clin. N. America, 1935-36, 19: 1409-38.—Gaiger, S. H. The principles of serum and vaccine therapy. Vet. Rec., Lond., 1921, n. ser., 1: 65-71.—Gamble, E. The value of present day immunological practice in disease prevention. Manitoba M. Ass. Rev., 1942, 22: 45-7.—Garrod, L. P. Recent developments in immunotherapy. Practitioner, Lond., 1932, 129: 471. — Medical bacteriology; immunity and immunization. Nurs. Times, Lond., 1942, 38: 724.—Gauthier, P. P. Vaccins et sérums. J. Hotel Dieu Montréal, 1935, 4: 178-93.—Goodnough, J. H. Preventive medicine and immunization. Colorado M., 1932, 29: 523.—Greenwood, M. The artificial immunization of man. In his Epidemics [etc.] Lond., 1935, 78-97.—Gregory, W. S. The immunization of infants. Med. Herald, 1930, 49: 417.—Harvard, S. C. Immunization. J. Florida M. Ass., 1937-38, 24: 49-52.—Hooker, S. B. Immunotherapy (vaccine and serum therapy) In Pract. Libr. M. & S., 1935, 8: 193-233.—Immunisations (Lcs) provoquées (vaccination, séroprophylaxie) Méd. inf., Par., 1934, 41: 351-5.—Lange, J. H. Immunizations. Bull. Fulton Co. M. Soc., 1941,

15: No. 16, 5.—**Lovreckovich, I.** [Sera and andere Impfstoffe] Orsz. Közegszs. Int. közl., 1934, 7: No. 20.—**McIntosh, J.** Modern trend of prophylactic and therapeutic immunisation and its interpretation. *Lancet*, Lond., 1926, 2: 889-93. Also *Proc. R. Soc. M., Lond.*, 1926-27, 20: Sect. Path., 1-10.—**Marks, T. M.** The immunization of children: its value and importance. *Bull. Dep. Health Kentucky*, 1941-42, 14: 441.—**Nussbaum, S.** Vaccines and sera. In *Ther. Infancy* (Litchfield, H. R., & al.) Phila., 1942, 1: 284-310.—**Packard, H.** Therapeutic immunization. *N. England M. Gaz.*, 1909, 44: 4-6.—**Pazzini, A.** El concepto de inmunización en la historia. *Acción méd., B. Air.*, 1940, 10: 75.—**Pellegrini, F.** Contributo allo studio della immunoterapia (stomoterapia). *Gior. med. mil.*, 1926, 74: 229-57.—**Pritchett, J. H.** The present status of immunization in childhood. *Kentucky M. J.*, 1941, 39: 214-7.—**Queipo Camá, F.** Profilaxis immunisante, dificultades para su aplicación en Marruecos. *Med. ibera*, 1935, 29: pt 2, 168-71.—**Report of Committee on Immunization, including Vaccination.** *Brit. M. J.*, 1935, 1: Suppl., 282-93.—**Rietschel, H.** Die Stellung der Naturheilkunde zur aktiven und passiven Immunisierung. *Hippokrates*, Stuttg., 1938, 9: 281-9.—**Schlussbemerkung zu den Aufsätzen von Brauchle, Schlegel, Donner und Schier über aktive und passive Immunisierung.** *Ibid.*, 637-42.—**Schlegel, O.** Die Stellung der Naturheilkunde zur aktiven und passiven Immunisierung. *Ibid.*, 629-33.—**Sedláček, K.** L'immunoterapia. *Cult. med. mod.*, Pal., 1938, 17: 1-14. Also *Med. prakt.*, Poznań, 1938, 12: 563; 587. Also *Studium*, Nap., 1938, 28: 49-56.—**Sergent, E., Parrot, L.** [et al.] Ce qu'il faut entendre par prémonition. *Presse méd.*, 1931, 39: 1765.—**Seshadranathan, N.** Bactero-therapeutics; recent progress. *Madras M. J.*, 1939, 19: 1-5.—**Sivori, L.** La terapia immunitaria. In: *Tisoli, prat. med.* (Campani) Milano, 1933, 979-98.—**Skinner, H. O.** The present status of immunization. *J. Am. Inst. Homeop.*, 1933, 26: 714-6.—**Stone, B. H.** The principles and applications of serum and bacterial therapy. *Vermont M. Month.*, 1911, 17: 67-74.—**Thompson, W. G.** Clinical experiences with sera and vaccines. *Tr. N. Hampshire M. Soc.*, 1941, 51-67.—**Topley, W. W. C.** Principles of immunisation and preventive disease. *Lancet*, Lond., 1934, 1: 1185-90.—**Tysell, J. E.** Serums and vaccines. *Trained Nurse*, 1942, 108: 175-8.—**Underwood, R. B.** Present day serum and vaccine therapy. *Memphis M. Month.*, 1910, 30: 351-4.—**Utter, H. E.** [et al.] Panel discussion on preventive inoculation. *South. M. & S.*, 1942, 104: 160.—**Value (The)** of immunisation. *Med. Off.*, Lond., 1941, 66: 107.—**Veeder, B. S., & Rohlfing, E. H.** The present status of immunization procedures for the prevention of certain of the communicable diseases. *Internat. Clin.*, 1941, n. ser., 1: 265-96.—**Weinberg, M.** Holoserums et holovaccins. *Ark. biol. nauk*, 1936, 43: 327-9.—**Wurm, K.** Ueberblick über den derzeitigen Stand der Immuntherapie und Immunprophylaxe. *Med. Welt*, 1940, 14: 708-11.

active.

See **Vaccination**.

combined, and simultaneous.

See also **Vaccination, combined**.

Glenny, A. T., & Waddington, H. Combined Schick test and diphtheria prophylactic; combined diphtheria-scarlet-fever prophylactic. *J. Path. Bact.*, Lond., 1926, 29: 118-22, pl.—**Glutova, E. V., & Ostrovskaya, O. A.** [Combined immunization with tetanus anatoxin and typhoid vaccine] *J. epidem. mikrob.*, Moskva, 1932, 1: 68-74.—**Gordon, J. E., & Creswell, S. M.** To what extent do toxin-antitoxin mixtures sensitize to therapeutic serum? *J. Prev. M.*, 1929, 3: 21-30.—**Hektoen, L., & Boor, A. K.** Simultaneous multiple immunization. *J. Infect. Dis.*, 1931, 48: 588-94.—**Iliina, L. I., & Konikov, A. P.** [Results in immunization with a mixture of 2 synthetic antigens] *J. mikrob.*, Moskva, 1941, No. 4, 83-90.—**Ingels, A. B.** Concurrent immunizations. *Am. J. Pub. Health*, 1934, 24: 1054.—**Lapin, J. H.** Combined immunization of infants against diphtheria, tetanus and whooping cough. *Am. J. Dis. Child.*, 1942, 63: 225-37.—**MacLean, I. H., & Holt, L. B.** Combined immunisation with tetanus toxoid and T. A. B. *Lancet*, Lond., 1940, 2: 581-3.—**Marinelli, G.** Ricerche serologiche nei conigli sottoposti ad immunizzazione mista con globuli rossi di bue e con antigene tifico. *Studium*, Nap., 1929, 19: 195-200.—**Peltier, M., Durieux, C.** [et al.] Vaccination mixte contre la fièvre jaune et la variole sur des populations indigènes du Sénégal. *Ann. Inst. Pasteur*, Par., 1940, 65: 146-69 (microfilm).—**Pontano, T.** Si può associare l'immunità passiva serica con l'immunità attiva anatoxica? *Minerva med.*, Tor., 1935, 26: 801-3.—**Ramon, G.** Combined, active-passive, prophylaxis and treatment of diphtheria or tetanus. *J. Am. M. Ass.*, 1940, 114: 2366-8.—**Les immunisations associées, leur intérêt pratique et théorique.** *Schweiz. med. Wschr.*, 1941, 71: 1366-8.—**Peltier** [et al.] Vaccination mixte contre la fièvre jaune et la variole sur des populations indigènes du Sénégal. *Gaz. hôp.*, 1940, 113: 164 (microfilm).—**Reh, T.** A propos des vaccinations antivariolique et antidiphthérique associées. *Schweiz. med. Wschr.*, 1941, 71: 1368.—**Ritossa, P.** Sulla immunizzazione combinata attiva e passiva nelle infezioni tetanica e difterica. *Pediatria (Riv.)*, 1934, 42: 1411-20.—**Sachs, H.** Zur Kenntnis des Prinzips der Kombinationsimmunisierung. *Acta Soc. med. Duodecim*, 1931-32, ser. A, 15: No. 7, 1-16.—**Sauer, L. W., & Tucker, W. H.** Simultaneous administration of diphtheria toxoid and pertussis vaccine in young children. *Am. J. Pub. Health*, 1942, 32:

385-8.—**Immunization against whooping cough and diphtheria with mixed antigens.** *J. Bact.*, Balt., 1942, 43: 269.—**Immunization of children against whooping cough and diphtheria.** *Am. J. Dis. Child.*, 1942, 63: 199-201. Also *Proc. Inst. M. Chicago*, 1942-43, 14: 12.—**Simultaneous immunization against diphtheria and tetanus.** *Physician's Bull.*, 1941, 6: 134.—**Stern, C. S.** Simultaneous immunization against smallpox and diphtheria. *Am. J. Pub. Health*, 1935, 25: 1034.—**Stitz, B.** Concurrence between antigens; the question of multiple immunization. *Vet. Bull.*, Lond., 1941, 11: 781.—**Vacunación contra el tifo, el cólera y la peste.** *Bol. Of. san. panamer.*, 1942, 21: 676.—**Vashkov, V. I.** [Reciprocal effect of 2 synthetic antigens in simultaneous immunization] *J. mikrob.*, Moskva, 1941, No. 4, 90-4.—**Yaoi, H.** Combined active immunization against smallpox and typhoid fever; experimental studies. *Jap. J. Exp. M.*, 1939, 17: 295-303.—**Hirose, S., & Sudzuki, Y.** On the practicability of the combined active immunization against small-pox and typhoid fever; clinical studies. *Ibid.*, 305-17.—**Zlatogorov, S. J., Glusmann, M. P., & Kandyba, L. L.** Experimentelle Untersuchungen über gleichzeitige Immunisierung gegen verschiedene Infektionen. *Zschr. Hyg.*, 1929, 110: 706-23. Also *Mikrob. J.*, Leningr., 1929, 8: 116-33.

Epidemiological aspect.

See also **Epidemic, Immunological aspect**.

Dudley, S. F. Latent immunization and the seasoning of troops. *J. R. Nav. M. Serv.*, 1934, 20: 101-20.—**Fitzgerald, J. G.** Contrôle spécifique de certaines maladies contagieuses par action d'immunité. *Union méd. Canada*, 1926, 55: 400-21.—**Greenwood, M., Newbold, E. M.** [et al.] On the mechanisms by which protection against infectious disease is acquired in natural epidemics. *J. Hyg.*, Lond., 1926-27, 25: 336-53, ch.—**Lereboullet, P., & Joannon, P.** L'immunisation spontanée occulte contre certains germes spécifiques. *Rapp. Congr. fr. méd.* (1925) 1926, 18. sess., 2: 284-9.—**Pfaundler, M.** Ueber stille Feiung (erläutert an dem Beispiel der Heine-Medinschen Krankheit). *Munch. med. Wschr.*, 1928, 75: 45-9.—**Zoeller, C.** Les caprices de l'immunisation occulte; la part du hasard dans l'évolution des phénomènes épidémiologiques. *Paris méd.*, 1928, 67: 512-7.

experimental.

MENKE, H. *Tierexperimentelle Untersuchungen über A O I-Bertram [Münster] 20p. 21cm. Vechta i. O., 1937.

WAHLE, J. *Versuche zur Behandlung von experimentellen Infektionen mit AO II [Münster] 28p. 21cm. Bottrop, 1937.

WEBER, R. E. H. *Experimentelle Untersuchungen zur Frage der Schutzimpfung gegen Typhus und Cholera [Berlin] 53p. 8° Lpz., 1916.

Also *Zschr. Hyg.*, 1916, 82: 351-404.

Angevine, D. M. A comparison of cutaneous sensitization and antibody formation in rabbits immunized by intravenous or intradermal injections of indifferent or hemolytic streptococci and pneumococci. *J. Exp. M.*, 1941, 73: 57-66.—**Camus, L., & Gley, E.** Immunisation contre le sérum de Murène au moyen de ce sérum rendu atoxique par le chauffage. *C. rend. Soc. biol.*, 1926, 95: 535.—**Djachenko, S. S.** Ueber die Dauer der Immunitätsreaktionen bei Tieren nach Immunisierung mit Soja-hefeantigen. *Kitasato Arch.*, 1936, 13: 199-208.—**Ermolaev, J., & Metelnikov, S.** Sur l'immunisation passive des fragments du corps des chenilles séparés par une ligature. *C. rend. Soc. biol.*, 1934, 116: 860.—**Landsteiner, K., & Levine, P.** Immunization of chimpanzees with human blood. *J. Immun.*, Balt., 1932, 22: 397-400.—**Parker, R. F.** The effect of separate inoculation of vaccine virus and immune serum on the protection test. *Clin. Bull.*, Cleveland, 1942, 6: 10.—**Pupilli, G.** Intensità ed intervallo di stimoli nella immunizzazione antitossica dei piccoli animali. *Boll. Soc. biol. sper.*, 1926, 1: 224.—**Wright, A.** On vaccine therapy and immunisation in vitro. *Lancet*, Lond., 1931, 2: 225; 277; 333.

Indications.

MILANO. ISTITUTO SIEROTERAPICO MILANESE. Cenni di terapia immunitaria de alcune malattie infettive dell'infanzia. 38p. 8°. Milano, 1929.

Ainsworth, M. L. Prevention of diphtheria and tetanus. *Rev. M. Progr. Proc. Postcoll. Clin. Assemb. Coll. M. Ohio Univ.*, 1941, 8: 100-2.—**Bensted, H. J.** Immunisation against bacterial infections. *Lancet*, Lond., 1940, 2: 755.—**Bicak, J. F.** Hypodermic treatment in difficult cases and a plea for its use to prevent disease. *Med. J. & Rec.*, 1933, 138: 135-7.—**Brown, J. E., jr.** Prevention of smallpox and measles. *Rev. M. Progr. Proc. Postcoll. Clin. Assemb. Coll. M. Ohio Univ.*, 1941, 8: 99.—**Burghard, E.** Die Verbesserung der Immunität des Säuglings in der Praxis. *Med. Welt*, 1936, 10: 1073.—**Carnwath, T.** Immunisation in the prevention of the specific fevers. *Lancet*, Lond., 1934, 2: 566-8.—**O'Brien, R. A.** Immunization in the specific fevers. *Brit. M. J.*, 1934, 2: 273-5.—**Centanni, E.** Applicazione del trattamento apoginico

alla tubercolosi e al cancro. *Minerva med.*, Tor., 1938, 29: 116-8.—**Chiropractic** (The) theory of patriotism. *J. Am. M. Ass.*, 1942, 120: 207.—**Ciminata, A.** La terapia immunitaria nelle infezioni chirurgiche e ostetriche. *Rass. clin. sc.*, 1936, 14: 263-8.—**Copeman, S. M.** Immunisation in certain infectious diseases. *J. State M., Lond.*, 1926, 34: 384-96. Also *Proc. R. Soc. M., Lond.*, 1926-27, 20: Sect. Epidem., 1-9.—**Courtois-Suffit, M., & Bourgeois, F.** Les aspects nouveaux de la responsabilité médicale; sérothérapie et vaccinotherapie dans les maladies infectieuses. *Gaz. hôp.*, 1936, 109: 91-6.—**Mauclair, E.** La responsabilité médicale en matière de sérothérapie et de vaccinotherapie préventives. *Ann. méd. lég.*, 1936, 16: 143.—**Cullinan, E. R.** The prevention and treatment of infections by specific immune therapy. *Postgrad. M. J., Lond.*, 1934, 10: 247-54.—**Diphtheria and smallpox immunizations.** *Pub. Health News, Trenton*, 1940, 24: 183.—**Hoffman, E. F.** Immunization for protection. *Florida Health Notes*, 1942, 34: 108.—**Immunization against tetanus and diphtheria.** *Brit. M. J.*, 1938, 2: 1265.—**Kilduff, R., Jr.** Serum and vaccine therapy; the use of serums and vaccines in certain diseases. *Nurse, Jamestown*, 1917, 7: 247-54.—**Kinsella, R. A.** The clinical value of serums and vaccines. *J. Am. M. Ass.*, 1929, 93: 1524-6.—**Ledingham, J. C. G.** Prophylactic immunization against measles, scarlet fever, diphtheria, whooping-cough, and influenza. *Brit. M. J.*, 1939, 2: 841-6.—**McCoy, G. W.** Usefulness of serums and vaccines under war conditions. *Med. Insur.*, Dallas, 1916-17, 26: 424-6.—**Prevention of communicable diseases under war conditions with special reference to immunization.** *N. Orleans M. & S. J.*, 1942-43, 55: 79-85.—**Maurer, F. H.** Immunization against common communicable diseases. *Illinois M. J.*, 1941, 80: 323-32. Also *Ind. M. Rec.*, 1942, 62: 39; 128.—**Menzel, A.** Ueber Schutzimpfung gegen Infektionskrankheiten. *Med. Klin. Berl.*, 1924, 20: 1644-6.—**Nabarro, D.** Immunization in measles, diphtheria and scarlet fever. *Clin. J. Lond.*, 1934, 63: 286-94.—**Neufeld, F.** Schutzimpfung und Heilserumbehandlung bei Masern, Scharlach und Diphtherie. *Mscr. Kinderh.*, 1929, 44: 257-67.—**Nobel, E.** Modernes Impfwesen. *Wien. med. Wschr.*, 1929, 79: 1321-4.—**O'Brien, R. A.** Active and passive immunization against common infectious diseases. *Ned. Press & Circ.*, Lond., 1926, n. ser., 121: 69-72.—**Immunization in specific fevers, with special reference to diphtheria and scarlet fever.** *West London M. J.*, 1929, 34: 82-90.—**Immunization in the prevention of specific fevers.** *Brit. M. J.*, 1934, 2: 712-4.—**Precautions in an immunization clinic.** *Ibid.*, 1935, 2: 819.—**Ohlmacher, A.** Ueber therapeutische Immunisierung bei Mischinfektion. *Klin. ther. Wschr.*, 1908, 15: 673-6.—**Omar, W.** General immunisation for the diseases of childhood. *J. Egypt. M. Ass.*, 1930, 13: 415-29.—**Otto, R.** Schutzimpfungen bei Fleckfieber, Pest, Cholera. *Med. Klin. Berl.*, 1940, 36: 58 (microfilm).—**Preventive inoculation.** *Brit. M. J.*, 1935, 2: 20.—**Sanford, H. N.** The immunization of infants and young children against infectious diseases. *Med. Clin. N. America*, 1935-36, 19: 1277-90.—**Silberschmidt, W.** Die Immunisierung gegen Diphtherie, Scharlach und Masern. *Schweiz. med. Wschr.*, 1928, 58: 837-9.—**Sinclair, J. F.** Against what diseases should the child be immunized? *Week. Roster, Phila.*, 1937-38, 33: 1437-41.—**Townsend, J. H.** Specific preventive measures in diphtheria, scarlet fever and measles. *Boston M. & S. J.*, 1927, 196: 611-5.—**Underhill, E., Jr.** Counteracting the ills of immunization. *Homoeop. Rec.*, 1941-42, 57: 355-7.—**Wadsworth, A. B.** Practical limitations of vaccine and serum therapy. *N. England J. M.*, 1935, 213: 1285-92.—**Wall, J. S.** Preventive immunizations in childhood. *Arch. Pediat.*, N. Y., 1937, 54: 198-217.—**Whitby, L. E. H.** The use and abuse of serums and vaccines. *Practitioner, Lond.*, 1937, 138: 362-8.—**White, B.** Serums and vaccines in the prevention and treatment of disease. *Ann. Int. M.*, 1929-30, 3: 309-27.

local.

See also Antivirus.

B., E. Inmunidade local e antivirustherapie. *Arq. biol. S. Paulo*, 1941, 25: 291.—**Besredka, A.** Immunité générale par immunisation locale. *Bull. Inst. Pasteur, Par.*, 1922, 20: 473; 513.—**La inmunización local y sus aplicaciones prácticas.** *Crón. méd. mex.*, 1927, 26: 421; passim.—**Sérothérapie locale; mécanisme de l'immunité passive.** *Acta med. scand.*, 1929, 70: 400-20.—**Cannon, P. R., & Pacheco, G. A.** Studies in tissue immunity; cellular reactions of the skin of the guinea pig as influenced by local active immunization. *Am. J. Path.*, 1930, 6: 749-65, 3 pl.—**Gottstein, A.** Ueber lokale Immunisierung. *Naturwissenschaften*, 1927, 15: 488.—**Gutfeld, F. von.** Lokale Immunisierung und lokale Immunität. *Zschr. ärztl. Fortbild.*, 1927, 24: 251-3.—**Schwarz, E.** Immunizzazione locale cutanea: modificazioni della reazione di Schick. *Pediatrics (Riv.)*, 1930, 38: 297-305.—**Zinsser, H.** Immunologia general y local. *Bol. técn. Dir. gen. san., Madr.*, 1931, 6: 553; 682; passim.

Mechanism.

See also Immunity, Mechanism; Immunity, Reactions.

HOSIASSEN, S. *Essai sur le mécanisme de production de l'immunité. 36p. 8° Par., 1930.

PETRIĆ PETRIĆ, A. *El índice opsónico y bacteriotrópico en relación con las aglutininas durante el curso de la inmunización [Chile, Dent.] 29p. 27cm. [Santiago] 1941.

Aleksiev, A. G. [Observations on the importance of the reticulo-endothelial system during immunisation] *Klin. med.*, Moskva, 1928, 6: 138-47.—**Boissezon, P. de.** Modifications histologiques du poulmon au cours de l'immunisation du lapin contre les hématies de mouton. *C. rend. Soc. biol.*, 1935, 118: 223-5.—**Le rôle du poulmon dans l'immunisation du lapin contre les hématies de mouton.** *Sang. Par.*, 1936, 10: 592-601.—**Le rôle du poulmon dans l'immunisation.** *Biol. méd., Par.*, 1938, 28: 31-48.—**Carminati, V.** Immunizzazione e potere battericida del sangue. *Boll. Ist. sieroter. milan.*, 1929, 8: 731-41.—**Carra, J.** Contributo allo studio del meccanismo della terapia aspecifica delle infezioni. *Policlinico*, 1919, 26: sez. prat., 1020.—**Dienes, L.** The place of bacterial allergy in the immunization process. *J. Bact.*, Balt., 1935, 29: 28-30.—**Freund, J., & Bonanto, M. V.** The effect of the amount of antigen on antitoxin formation during the primary and secondary immunizations. *J. Immun.*, Balt., 1942, 45: 71-8.—**Fujituna, S.** Ueber das Verhalten der Phagozytose immunitäts-gener Substanzen zu der durch sie herbeigeführten Immunität, unter besonderer Berücksichtigung des Koktoimmunogens, sowie über die immunologische Trias. *Zbl. Bakt.*, 1. Abt., 1928, 109: 93-9.—**Gabinus, O.** De l'immunisation par voie cérébrale et du rôle joué par l'endothélium réticulaire locale du cerveau. *C. rend. Soc. biol.*, 1933, 114: 496-8.—**George, L. V.** de [Histological changes in the receptive tissues in immunization] *J. mikrob.*, Moskva, 1928, 5: 347-57.—**Haurowitz, F.** Chemische Analyse des Immunisierungsvorganges. *Sunti Congr. internaz. fisiol.*, 14. Congr., 1932, 110.—**Hellman, T., & White, G.** Das Verhalten des lymphatischen Gewebes während eines Immunisierungsprozesses. *Virchows Arch.*, 1930, 278: 221-57.—**Jordan, P.** Heuristische Theorie der Immunisierungs- und Anaphylaxie-Erscheinungen. *Zschr. Immunforsch.*, 1939-40, 97: 330-44.—**Katzin, E. M.** Practical aspects of human isoimmunization; the role of the Rh factor. *Mississippi Valley M. J.*, 1942, 64: 171-7.—**Kredba, M.** [Studies on the changes in reaction of immunized animals] *Cas. lék. česk.*, 1928, 67: 1259-62.—**Madsen, T., & Jensen, C.** The negative phase. *Acta path. microb.*, scand., 1933, Suppl. 16, 247-54.—**Magheru, G., & Magheru, A.** Recherches sur la vitesse de fixation au cours de l'immunisation. *C. rend. Soc. biol.*, 1932, 109: 770-2.—**Naegeli, O.** Versuch einer einfachen Darstellung der Immunisierungsvorgänge bei Lues und Tuberkulose. *Münch. med. Wschr.*, 1929, 76: 782-6.—**Neufeld, F.** Experimentelle Grundlagen. *Verh. Deut. Ges. inn. Med.*, 1929, 41. Kongr., 17-26.—**Piazza, G., Adroni, M., & Furbetta, F.** Controllo sierologico dei risultati della vaccinazione antitifo-paratificetanea per via ipodermica; le proprietà agglutinanti del siero dei vaccinati ricercate con sospensioni di germi vivi e con sospensioni O ed H. *Gior. med. mil.*, 1940, 88: 805-32.—**S., W. T.** Suppression of endocrine activity by immunization. *J. Clin. Endocr.*, 1942, 2: 749.—**Sapozhkov, A. V.** [Significance of the functional state of the physiological system of the connective tissue for the process of immunization] *J. mikrob.*, Moskva, 1941, No. 7, 54-7.—**Skvirsky, P. V.** [New data and theory of serological immunization reactions] *Vrach. gaz.*, 1927, 31: No. 2, 117-24.—**Touart, M. D.** Effects of immunization upon vaccine skin reactions. *J. Allergy*, 1934, 5: 627.—**Tzanck, A.** Immunisation et mécanismes de l'immunité. *Bull. Soc. méd. hôp. Paris*, 1930, 3. ser., 46: 561-9.—**Vacciera, F.** La glutathionémie chez le cheval injecté par des toxines bactériennes et par des venins d'animaux. *Boll. Sez. ital. Soc. internaz. microb.*, 1939, 11: 85-90.—**Viridis, F.** Sul potere irradiante del sangue degli animali immunizzati. *Gior. batt. immun.*, 1936, 16: 897-914.—**Wright, A. E.** Studies in connexion with therapeutic immunisation. *Lancet*, Lond., 1907, 2: 1217-36.—**Wright, H. D.** The effect of immunisation upon temperature response in rabbits. *J. Path. Bact.*, Lond., 1930, 33: 925-8.

Methods.

PESKIND, S. Photoimmunization and photo-vaccination. 13p. 12° [Cleveland, 1936]

Anderson, J. F., & Leonard, G. F. Results from the use of the blood clot method of immunization. *J. Immun.*, Balt., 1927, 13: 365-8.—**Aoki, T.** Vergleichende Untersuchungen über verschiedene Immunisierungsmethoden. *Mitt. Med. Akad. Kyoto*, 1936, 18: 328; 330.—**Armbruster, G.** Ueber makroskopische Autoimmunisation. *Aerzt. Rdsch.*, 1920, 30: 269.—**Armstrong, D. B., & Walker, W. F.** Current immunization practice in diphtheria, scarlet fever and measles. *Am. J. Pub. Health*, 1926, 16: 1099-102.—**Battoni, E.** Concetti critici sulla profilassi delle malattie infettive con particolare riguardo ad alcuni metodi di immunizzazione. *Gazz. internaz. med. chir.*, 1933, 41: 459-65.—**Bayer, F.** Die Paracentese der Hornhaut als serotherapeutisches Hilfsmittel. *Korbl. Verein. deut. Aerzte Reichenberg*, 1920, 33: No. 6, 1.—**Benson, W. T.** Immunity methods in scarlet fever and measles. *J. R. San. Inst.*, 1928-29, 49: 108-15.—**Bensted, H. J.** Immunisation against bacterial toxins. *Lancet*, Lond., 1940, 2: 788.—**Camus, L.** Immunisation vaccinale passive et sérothérapie. *C. rend. Acad. sc.*, 1912, 155: 75-8.—**Cutler, O. I.** Immune reactions to acid treated bacteria, an attempt to produce immunity without antibodies demonstrable in vitro. *J. Infect.*

- Dis., 1929, 44: 203-14.—**Diamond, J.** Immunization procedures in infancy and childhood. *Gradwohl Lab. Digest*, 1939-40, 3: No. 7. 1.—**Ermolieva, Z. V.** [General immunology and rationalization of immunization methods] *Otchet Vsesoiuz. inst. eksp. med.*, Moskva (1933-37) 1939, 38-45.—**Fränkel, E.** Ueber den gegenwärtigen Stand der peroralen Immunisierungsmethoden. *Med. Klin.*, Berl., 1927, 23: 157-9.—**Gálvez, J. J.** La unificación de los métodos de inmunoterapia en Centro-América. *Bol. san. Guatemala*, 1938, 9: 83-6.—**Goret, P.** & **Lelandais, E.** De l'utilisation des caillots de sang issu d'animaux hyperimmunisés; emploi d'un extrait de caillot dans la maladie de Carré. *Bull. Acad. vét. France*, 1938, 11: 211-6.—**Greenebaum, J. V.** & **Selkirk, T. K.** The status of immunization procedures in infancy and childhood. *J. Med.*, Cincin., 1938-39, 19: 618-24.—**Hamada, H.** & **Okamoto, N.** Intracutaneous reaction of diphtheria or scarlet fever and the result of immunization by means of inhalation. *Acta dermat.*, Kyoto, 1937, 30: 4-8.—**Hart, J. C.** Immunization procedures. *Connecticut Health Bull.*, 1941, 55: 259-61.—**Hida, O.** & **Toda, T.** Contribution to the knowledge of toxin-immunisation with special reference to immunisation with anatoxin and with viable organisms. *Kitasato Arch.*, 1934, 11: 36-47.—**Hill, A. V.** Preventive measures for civilians. *Lancet*, Lond., 1940, 2: 635.—**Hoyne, A. L.** Immunologic methods in pediatrics. *J. Am. M. Ass.*, 1939, 112: 1581-4. Also *Rev. méd.*, Puebla, 1941, 14: No. 130, 50; No. 131, 20.—**Imazumi, M.** Zum Unterschiede zwischen der Injektionsimmunisierung und der oralen. *Acta paediat. jap.*, 1938, 44: 67-75 (Abstr.)—**Immunisation** against disease; safe and efficient methods. *Pharm. J.*, Lond., 1935, 4, ser., 81: 109.—**Immunisation** with artificial antigens. *Lancet*, Lond., 1939, 1: 399.—**Immunization** and therapeutic procedures for acute infectious diseases. *J. S. Carolina M. Ass.*, 1941, 37: 147; passim.—**Janney, F. R.** Experience with immunization procedures in home and office practices. *Wisconsin M. J.*, 1940, 39: 599-602.—**Joannon, P.** Du rôle de la voie nasale et de la voie respiratoire dans l'acquisition de l'immunité. *Ann. hyg. Par.*, 1940, n. sér., 18: 269.—**Johnson, H. L.** Peritoneal immunization. *Am. J. Surg.*, 1936, 34: 266-71.—**Karpov, M. K.** [Effect of intervals and dosage of the antigen on the efficacy of immunization] *J. mikrob.*, Moskva, 1939, No. 5, 39-46.—**Kinloch, J. P.** Immunity methods in scarlet fever and measles. *J. R. San. Inst.*, 1928-29, 49: 116-26.—**Kodama, T.**, **Sato, S.** & **Hata, M.** Intranasal combined immunization of human subjects with toxoids. *Kitasato Arch.*, 1940, 17: 155-66.—**Kogan, I. S.** [Données expérimentales servant à établir les schémas optimal d'immunisation et à évaluer les indices immunobiologiques] *Méd. exp.*, Klarkov, 1937, No. 8, 37-68.—**Kolmer, J. A.** Experiments upon the passive transfer of antibodies to the cerebrospinal fluid. *Med. Rec.*, N. Y., 1918, 94: 84. Also *Proc. Path. Soc. Philadelphia*, 1918, 38: 45.—**— & Sekiguti, S.** Experiments upon the passive transfer of antibodies from the blood to the cerebrospinal fluid. *J. Immun.*, Balt., 1918, 3: 101-7.—**Kurokawa, A.** Untersuchungen über perorale und perkutane Immunisierung. *Zschr. Immunforsch.*, 1926, 46: 464-503.—**Lucchesi, P. F.** Worth-while immunization procedures. *Pennsylvania M. J.*, 1938-39, 42: 521-6.—**Magerl, J. F.** Die Auslösung immunbiologischer Reaktionen durch Eigenblut- und Ommadinjektionen. *Wien. klin. Wschr.*, 1938, 51: 353-7.—**Maycock, P. P.** Sera and vaccines; their practical application. *Tr. Luzerne Co. M. Soc.*, 1912, 20: 32-40.—**Morgan, E. L.** Recent advances in immunization. *Med. J. Australia*, 1929, 1: 410-4.—**O'Brien, R. A.** Immunity methods in scarlet fever and measles. *J. R. San. Inst.*, 1928-29, 49: 97-101.—**Palmer, T. M.** Modern methods of immunization. *J. Florida M. Ass.*, 1941-42, 28: 330-3.—**Park, W. H.** Specific immunologic practices and other techniques. *Prev. M.*, 1937-38, 7: 8-24.—**Paukuls, E.** [Various immunizations] *Latv. arstu Z.*, 1928, 217-25.—**Phillips, W. P.** & **Anderson, C. W.** Preventive inoculation; apparatus and methods. *Practitioner*, Lond., 1942, 148: 364-8.—**Pupilli, G.** & **Pupilli, M.** Intensità ed intervallo di stimoli nella immunizzazione antitossica dei piccoli animali. *Boll. Ist. sieroter. milan.*, 1926, 5: 115-21.—**Ramon, G.** L'immunité et l'influence des substances adjuvantes et stimulantes injectées en mélange avec l'antigène; les facteurs d'accroissement de l'immunité; étude expérimentale; applications pratiques. *Rev. path. comp.*, Par., 1939, 39: 615.—**Rebeck, P.** Sulla rapida immunizzazione preventiva del peritoneo. *Ann. ital. chir.*, 1936, 15: 175-92.—**Reiter, H.** & **Kurokawa, A.** Versuche über perorale und perkutane Immunisierung. *Klin. Wschr.*, 1926, 5: 744-7.—**Rosselet, A.** Radio-immunisation. *Brit. J. Radiol.*, B. I. R. Sect., 1927, 32: 316-23.—**Schmidt, S.** Sur l'emploi de l'anatoxine et du tapioca dans l'immunisation. *C. rend. Soc. biol.*, 1926, 94: 606-8.—**Serum** und Impfstoff. *Praxis*, Bern, 1942, 31: 269.—**Shamburov, D. A.** Immunisation der vorderen Augenkammer bei Kaninchen. *Zschr. Hyg.*, 1932, 114: 456-61.—**Shaw, E. B.** A comparative study of immunization. *Am. J. Dis. Child.*, 1937, 54: 973-8.—**—** Evaluation of methods for immunization. *Mississippi Doctor*, 1939-40, 17: 72-8.—**Dietrich, H.** & **McCleave, T. C.** Procedures for immunization against communicable diseases. *California West. M.*, 1933, 39: 219-26.—**Sicard, J. A.**, **Paraf, J.** & **Wallich, R.** Contribution à l'étude expérimentale et clinique du renforcement de l'immunité par l'injection de substances amyloacées (tapioca) *Bull. Soc. méd. hôp. Paris*, 1927, 3, ser., 51: 1086-92.—**—** Contribution à l'étude du renforcement de l'immunité par l'injection de substances amyloacées. *C. rend. Soc. biol.*, 1927, 97: 217-9.—**Silberschmidt, W.** Essais d'immunisation par inhalation; diphtérie et tétanos. *Ann. Inst. Pasteur*, Par., 1934, 52: 690-708. Also *Schweiz. med. Wschr.*, 1934, 64: 518-51.—**Stallybrass, C. O.** The methods and results of premunisation. *Pub. Health*, Lond., 1930-31, 44: 114-20.—**Standard** immunization procedures. *Week. Bull. California Dep. Pub. Health*, 1942-43, 21: 57.—**Thayer, W. S.** Reflections on modern methods of treatment by sera and vaccines. *J. S. Carolina M. Ass.*, 1915, 11: 240-57.—**Trillat, A.** Immunisation par voie aërienne. *Bull. Acad. méd.*, Par., 1933, 3, ser., 109: 591-5.—**—** Technique à observer dans les essais d'immunisation et de médication sur les animaux par voie aërienne. *Ibid.*, 1937, 3, ser., 117: 32-6.—**Truche, D.** L'utilisation des caillots de sang issus d'animaux hyperimmunisés. *Bull. Acad. vét. France*, 1938, 11: 209.—**Verge, J.** Les méthodes nouvelles de l'immunisation. *Rec. méd. vét.*, 1929, 105: 634-60. Also *Rev. zootéc.*, B. Air, 1930, 18: 1-13.—**Von Meyenburg, L.** Management of the breast fed baby, including immunization procedures. *J. Florida M. Ass.*, 1940-41, 27: 229-33.—**Weinberg & Barotte, J.** Essais comparatifs de renforcement de l'immunisation antigangréneuse des chevaux producteurs de sérum par des substances spécifiques ou spécifiques. *C. rend. Soc. biol.*, 1928, 99: 1921-3.—**Wilson, E. B.** & **Worcester, J.** Progressive immunization. *Proc. Nat. Acad. Sc. U. S.*, 1941, 27: 129-35.—**Workman, W. G.** The status of serums and vaccines in general practice. *Ohio M. J.*, 1936, 32: 335-8.
- **Military aspect.**
- Anwendung** (Ueber die) von Heil- und Schutzseris im Heere; Beratungsergebnisse aus der Sitzung des Wissenschaftlichen Senats bei der Kaiser Wilhelms-Akademie für das militärärztliche Bildungswesen. *Veröff. Mil. San.*, 1908, II, 37, 1-42, tab.—**Bartos, D.** Die aktive Immunisierung mit kombinierten Vaccinen. *Deut. Militärarzt*, 1940, 5: 321-4 (microfilm).—**Bensted, H. J.** Immunization against infection in the Army. *Brit. M. J.*, 1941, 1: 18.—**—** Modern practice in war-time; immunization of soldiers and civilians; immunization against bacterial infections and bacterial toxins. *J. R. Inst. Pub. Health*, 1941, 4: 7-26.—**Dudley, S. F.**, **Whittingham, H. E.** & **Dawson, A.** Preventive inoculation in the British naval, military and air services. *Congr. internat. med. farm. mil.*, 1933, 7, Congr., 2: 3-24, ch.—**Enders, J. F.** The present program for the immunization of military personnel. *N. England J. M.*, 1942, 227: 162-5.—**Hachla, J.** [The use of antitoxins and formal vaccines for active immunization in the army] *Voj. zdrav. listy*, 1928, 4: 123-43.—**Hudleston, W. E.** Immunization against infection in the Army. *Brit. M. J.*, 1941, 1: 170.—**Immunization** in the Army. *Pennsylvania Health*, 1941-42, 2: No. 8, 10.—**Journal** exposes false claims in anti-inoculation pamphlet; assails it as not only replete with lies and unscientific, malicious propaganda but a menace to armed forces' health. *Memphis M. J.*, 1942, 17: 214.—**Kaup, J.** Der Wert der Cholera- und Typhusschutzimpfungen nach den Kriegserfahrungen. *Arch. Hyg.*, Berl., 1923, 93: 151-76.—**Kolle, W.** & **Hetsch, H.** Die Leistungen der Schutzimpfungen im Weltkriege und deren Nutzenanwendung für die Zukunft. *Münch. med. Wschr.*, 1934, 81: 1196-202.—**Leuking, H. F.** Immunization of C. M. T. C. trainees at Camp McClellan, Alabama. *Mil. Surg-on*, 1927, 60: 573-6.—**Mathieu, J.** Inoculation et vaccination au port de Brest (an IV à 1809). *Arch. méd. pharm. nav.*, 1923, 113: 166-72.—**Perrin, M.** Sérums et vaccins (emploi et résultats dans la médecine d'armée) *Bull. gén. théor.*, 1929, 180: 49-66.—**Sampson, B. F.** Resistance of the new recruit. *Lancet*, Lond., 1941, 1: 772.—**Sellers, A. H.** The immunization program in the Royal Canadian Air Force. *Canad. Pub. Health J.*, 1942, 33: 573-87.—**Simmons, J. S.** Immunization against infectious diseases in the United States Army. *Army M. Bull.*, 1941, No. 57, 69-80.—**Wohlfel, T.** & **Maass, J.** Schutzimpfungen in der Wehrmacht, ihre Wirksamkeit, Vorbereitung und Durchführung. *Deut. Militärarzt*, 1940, 5: 305-21 (microfilm) Also *Wien. med. Wschr.*, 1940, 90: 890.
- **non-specific.**
- See also **Immunity, Specificity.**
- Arloing, F.** & **Langeron, L.** Nouvelles recherches sur la résistance anti-infectieuse préventive conférée par les injections de protéine; est-elle modifiée par les poisons à action vago-sympathique? *C. rend. Soc. biol.*, 1923, 88: 1295-7.—**Bonime, E.** Immunotherapy in its nonspecific phases. *Med. J. & Rec.*, 1932, 135: 53-7.—**Cotrufo, P.** Stimolazione specifica in corso di vaccinazione specifica attiva. *Minerva med.*, Tor., 1936, 27: pt 2, 565-70.—**Eckhart, F.** Beitrag zur unspezifischen Immunisierung mit Stormin. *Münch. med. Wschr.*, 1933, 80: 1637.—**Pfalz, G. J.** Unspezifische Immunisierung durch parenterale Schwefelzufuhr. *Klin. Wschr.*, 1931, 10: 306.—**Picardo, T. C.** Immunoterapia no específica (tifoidea-pneumonia) *Rev. méd. lat. amer.*, B. Air, 1932-33, 18: 1257-74.—**Poullain, Thérapeutique moderne; vaccino- et sérothérapie paraspezifique. *Rev. path. comp.*, Par., 1925, 25: 624.—**Schlack, H.** Versuche unspezifischer Immunisierung durch Behandlung mit Extrakt aus Milzgewebe. *Zschr. Immunforsch.*, 1928, 57: 499-506.—**Totafiore, E.** Die unspezifische Immuntherapie in der Kinderpraxis. *Münch. med. Wschr.*, 1937, 84: 1207-9.—**Wallbach, G.** Immunisations non spécifiques avec des sels de calcium; contribution à un nouveau test leucocytaire d'immunité. *Acta brev. necrl.*, 1938, 8: 72-4.—**Wolff, L. K.** [Non-specific immunization] *Ned. tsehr. geneesk.*, 1929, 73: 112; 1930, 74: pt 1, 3254-64.—**Yosikawa, I.**, **Muroo, S.**, &**

Suzuki, S. Ueber das Verhalten der Thrombozyten bei der unspezifischen Immunisierung. Mitt. Med. Akad. Kyoto, 1933, 9: 767-79.

— passive.

See Immune serum, Therapeutic use; Serotherapy.

— percutaneous, and intracutaneous.

OLIVE, G. *Contribution à l'étude de la cuti-vaccinothérapie et de la colloïdo-vaccinothérapie cutanée. 62p. 8° Par., 1934.

Besredka, A. De l'emploi des sérums thérapeutiques chez le cobaye, sous forme de crème, par la voie cutanée. C. rend. Soc. biol., 1926, 95: 1228-30.—Boissezon, P. de. Etat réactionnel du poulain au cours de diverses immunisations pratiquées par voie sous-cutanée. Ann. Inst. Pasteur, Par., 1936, 56: 597-607.—Fukui, M. Concerning age incidence of the production of immune bodies caused by cutaneous immunization. Orient. J. Dis. Inf., Kyoto, 1936, 19: 21. — Concerning the change of concentration of hydrogenic ion of the body fluid, due to cutaneous immunization. Ibid., 20: 36.—Gougerot, H. Les immunisations par la peau. Bull. Soc. fr. derm. syph., 1932, 39: 98-100.—Gross, H. Zur Frage der intrakutanen Immunisierung von Kaninchen mit Bakterien und roten Blutzellen. Zbl. Bakt., 1. Abt., 1929, 113: 452-4.—Intracutaneous (The) method of immunization. Bull. Lederle Lab., 1935, 3: 75-7.—Isigami, J. Experimental studies of percutaneous immunization by albumin; appearance of precipitin in rabbit serum and Arthus Phenomenon at a site receiving previous treatment. Acta derm., Kyoto, 1931, 18: 62.—Löwenstein, E. Ueber perkutane Immunisierung. Wien. klin. Wschr., 1929, 42: 193-6.—Mori, Y. Ueber die Gewinnung der lokalen aktiven Immunität der Haut durch Einreibung mit Streptostaphylokoktogensalbe. Verh. Jap. chir. Ges., 1932, 33: 17.—Richou, R. Passage à travers la peau des substances du sérum, autres que l'antitoxine et anaphylaxie. Ann. Inst. Pasteur, Par., 1933, 51: 146-8.—Torikata, R., & Hasimoto, N. Ueber die Bildungsstätte der im Blute nachweisbaren Antikörper bei der Salbenimmunisierung. Zschr. Immunforsch., 1939, 96: 454-65.—Torikata, R., & Ozu, S. Experimentelle Erforschung über die Gewinnung allgemeiner aktiver Immunität mittels der kutanen Applikation der Immungene als Salben. Ibid., 413-26.—Wyandt, H., Bayliss, M. [et al.] Intradermal immunization. Nebraska M. J., 1938, 23: 140-3.

— peroral.

DAUDY, F. *De l'immunisation par voie gastro-intestinale contre le choléra, la dysenterie et les infections typhoïdes. 55p. 8° Par., 1924.

Besredka, A. De l'immunisation per os. Rev. prat. mal. pays chauds, 1923-24, 3: 547-58.—Ebert, B. [Superiority of subcutaneous antitoxin injection over local immunization per os] Vrach. gaz., 1928, 32: 787-800.—Fränkel, E. Experimentelle Untersuchungen zur Frage der peroralen Immunisierung bei Typhus, Paratyphus und Ruhr. Deut. med. Wschr., 1928, 54: 1874.—Fürst, K., & Klotz, M. Ueber perorale Immunisierung. Klin. Wschr., 1928, 7: 118.—Grasset, E. Sur l'immunité antitoxique passive, par voie buccale chez l'animal d'expériences. C. rend. Soc. biol., 1926, 95: 1407-9.—Hosi, N. Local immunization in rabbits by oral methods. Polyclin. Dairen, 1926-28, 3: No. 15, 1: 1928-30, 4: No. 22, 107.—Immunisation by the oral route, by Pathologist. Australas. J. Pharm., 1937, n. ser., 18: 135-7.—Lubinski, H. Ueber perorale Immunisierung. Deut. med. Wschr., 1930, 56: 1291-5.—Piorkowski, G. Enterale spezifische Immunisierung gegen bakterielle Infektionen. In: Extrapulm. Tuberk. (Blumenfeld, F.) Berl., 1927-30, 2: 256.—Ramon, G., & Grasset, E. Sur l'immunité antitoxique active, par voie buccale, chez l'animal d'expériences. C. rend. Soc. biol., 1926, 95: 1405-7.—Ramon, G., & Zoeller, C. Essais d'immunisation antitoxique, active et passive, par voie buccale chez l'homme. Ibid., 1409-11.—Reiter, H. Versuche über perorale Immunisierung. Deut. med. Wschr., 1926, 52: 946-9.—Rockwell, G. E., & Van Kirk, H. C. Oral heterophile immunization. J. Bact., Balt., 1935, 29: 47.—Siiba, Y., & Matuoka, K. Progress report on immunization per os against typhoid and dysentery. Acta med. Keijo, 1929, 12: 286-90.—Sivori, L. L'immunizzazione mista attiva e passiva per via gastrica. Riforma med., 1933, 49: 787.—Torikata, R., & Imaizumi, M. Zum Unterschiede zwischen der Injektions- und der oralen Immunisierung. Zschr. Immunforsch., 1938, 94: 342-51.

— Public health aspect.

Baker, J. N. Medical and public health attitude toward smallpox vaccination and diphtheria immunisation. J. M. Ass. Alabama, 1934-35, 4: 253.—Brady, M. R. Reduction of industrial absenteeism by preseasonal immunisation. Med. Press & Circ., Lond., 1941, 206: 488-90.—Cruickshank, R. General principles [control common fevers] In Control Common Fevers (Lancet) Lond., 1942, 1-24.—Cunningham, A. A. Compulsory immunisation. Lancet, Lond., 1940, 2: 636.—Decrees of the 20th of August, 10th and 15th of September, 1941, on the organization of the vaccination service in France.

Bull. Hyg., Lond., 1942, 17: 515 (Abstr.).—Gibson, J. P. The modern immunization program for children. Texas J. M., 1938-39, 34: 301-4.—Hayek, J. M. Outline for organizing and conducting a state-wide immunization program. J. Iowa M. Soc., 1942, 32: 459.—Houston, H. S. The importance of immunization in the control of acute contagious disease. Illinois M. J., 1934, 65: 161-72.—Immunization policy of the State board of health for the production of active immunization by means of biological products of established value. Health Bull., Raleigh, 1941, 56: No. 3, 9.—Jackson, F. W. Control of communicable diseases in rural areas by immunization. Canad. Pub. Health J., 1931, 22: 433-40.—Jacobs, E. R. Education for immunization. Month. Bull. Bd Health Indiana, 1942, 45: 94.—Kinnaman, J. H. The promotion of immunization by the State department of health. J. Iowa M. Soc., 1934, 24: 618-20.—Kling, C. Skyddssympning mot smittsjukdomar som samhällelig skyddsåtgärd. Nord. med., 1941, 11: 2613-27.—McCreary, A. B. Proposed immunization program. Virginia M. Month., 1936-37, 63: 426-8.—Nation (A) immunizes its school children; progress in preventive inoculation of school and preschool children is seen in falling incidence of acute infectious diseases. Ther. Notes, Dett., 1935, 42: 245-52.—Nicoll, M., jr. Immunization in Scarsdale. Westchester M. Bull., 1934, 2: No. 11, 8.—Now is the time to be immunized. Week. Bull. California Dep. Pub. Health, 1942-43, 21: 41-4.—Park, W. H. Infections, infectious diseases, and immunization. Med. J. & Rec., 1925, 122: 531-4.—Richardson, F. H. A suggested program for preventive inoculations. North Carolina M. J., 1942, 3: 488-92.—Robbins, C. P. Immunization program of the Ohio Department of Health. J. Am. Inst. Homeop., 1925, 18: 793-7.—Rubasheva, K. [Organization of active immunisation against scarlet fever and diphtheria] Sovet. vrach. gaz., 1934, 38: 1754-6.—Westaby, R. S. An immunization clinic. J. Lancet, 1934, 54: 711.—Wildebar, D. J. Extensive immunization program conducted in Miami County. Month. Bull. Bd Health Indiana, 1941, 44: 160.

— Statistics.

Boer, H. D. [Immunization against diphtheria and scarlet fever in schools of Wassenaar] Ned. mschr. geneesk., 1930-31, 17: 216-24.—Brother, G. M. The status of diphtheria and smallpox immunization in Indiana. Month. Bull. Bd Health Indiana, 1942, 45: 86.—Collins, S. D. Frequency of immunizing procedures of various kinds in 9,000 families observed for 12 months, 1928-31. Am. J. Pub. Health, 1935, 25: 1221-5.

Frequency of immunizing and related procedures in 9,000 surveyed families in 18 states. Milbank Mem. Fund Q., 1937, 15: 150-72.—Compulsory immunization in France. Nat. Health Rev., Ottawa, 1939, 7: 186.—Immunization survey of children under 10 years of age; Indiana. J. Am. M. Ass., 1942, 118: 828.—Knapp, H. J. Toxoid and vaccine available. Bull. Acad. M. Cleveland, 1942, 27: No. 5, 11.—McBroom, D. E. Scarlet fever and diphtheria prevention reactions and observations in 2,000 immunizations. Minnesota M., 1927, 10: 596-8.—Pierret, R. Present situation in France of biological prophylaxis and treatment in certain contagious diseases, especially whooping-cough and measles. Proc. R. Soc. M., Lond., 1932, 25: 1329-42.—Rodenberg, A. H. Experience in the immunization of 1,000 Cincinnati children against scarlet fever and diphtheria. J. Med., Cincinnati, 1927-28, 8: 339-41.

— Surgical aspect.

DANIEL, G. Immuno-chirurgie; la sérothérapie et la vaccinothérapie en chirurgie. 322p. 8° Par., 1931.

WOLFSOHN, G. Immunität, Immunodiagnostik und aktive Immunisierung im Dienste der Chirurgie. 371p. 8° Stuttgart, 1924.

Bazy, L. Sérothérapie et vaccinothérapie dans les infections chirurgicales. Rapp. Congr. Soc. internat. chir., 1924, 6. Congr., 561-608.—Hitchens, A. P. Serotherapy and vaccino-therapy in surgery. Ibid., 555-60.—Spick, A. E., & Lauzière, J. J. A. Sérums et vaccins, leur utilisation en chirurgie. Arch. méd. pharm. mil., 1929, 91: 369-92.—Wirth, A. Sérothérapie et vaccinothérapie. Rapp. Congr. Soc. internat. chir., 1924, 6. Congr., 609-14.

— of animals.

Bielkevičius, J. Intrapleurale oder Litsauische Methode der Immunisation. Zschr. Infektr. Haustiere, 1928, 33: 239-46.—Bouček, J. Lacto-géification des sérums d'animaux immunisés. Tr. Inst. hyg. pub. état. Tchecosl., 1935, 6: 39-43, ch.—Cantacuzène, J. Réactions d'immunité chez Sipunculus nudus vacciné contre une bactérie. C. rend. Soc. biol., 1922, 87: 264-7.— Sur le sort ultérieur des urnes chez Sipunculus nudus au cours de l'infection et de l'immunisation. Ibid., 283-5.—Dalling, T. Immunisation—its practical application in the control of animal diseases (preventive and curative). Vet. Rec., Lond., 1936, 16: 1-5.—Damboviceanu, A. Determination de certains constituants du plasma de Sipunculus nudus, au cours de l'immunisation. C. rend. Soc. biol., 1926, 95: 115-8.—Detre, L. Immunisationsverhältnisse bei Vögeln. Zbl. Bakt., 1. Abt., 1925-26, 97: 174-8.—Fokányi, L. A hatósági rendeletről fogantatosítandó ojtásokról. Közli.

ősszas, élet & kórt., 1928, 22: 101-9.—**Fried, S. M., & Zibitzker, D. H.** [Significance of the age and sex of horses in hyperimmunization]. *J. mikrob., Moskva*, 1939, No. 11: 172-7.—**Gózy, L.** Ueber biologische Zellveränderungen bei immunisierten Tieren. *Klin. Wschr.*, 1923, 2: 1220.—**Hoffmann F.** [Immunization of suckling pig]. *Allatorv. lap.*, 1934, 57: 59-63.—**Leimer.** Die Blutersum-Impfungen zur Immunisierung und Heilung von Tierseuchen. *Wschr. Tierh.*, 1898, 42: 451; passim.—**Scott, W.** A brief survey of sero-vaccine therapy; its application in general practice. *Vet. Rec., Lond.*, 1929, 9: 463-72.—**Sédallian, P., Jourdan, F., & Clavel, J.** Répartition des antitoxines et des agglutinines chez le lapin immunisé activement. *C. rend. Soc. biol.*, 1938, 127: 333.—**Siegler, J. von.** Einfluss der Temperatur auf die Kontaktimmunität beim Kaninchen. *Zschr. Immunforsch.*, 1929, 62: 252-5.

— of plants.

Baldacci, E. L'immunità acquisita attiva nelle piante superiori; esperienze di vaccinazione. *Boll. Soc. ital. biol. sper.*, 1934, 9: 744-6.—**—** L'immunità acquisita attiva nelle piante superiori; ricerche sulla vaccinazione e sui liquidi usati come vaccini. *Ibid.*, 1932.—**Carbone, D.** Ueber die aktive Immunisierung der Pflanzen. *Zbl. Bakt.*, 2. Abt., 1928-29, 76: 428-37.—**—** Sulla natura dell'immunità vaccinale nelle piante. *Boll. Soc. ital. biol. sper.*, 1934, 9: 1264.—**Kaliaev, A., Kravchenko, A., & Smirnova, N.** Zum Problem der erworbenen Immunität bei Pflanzen; Vakzination der Bohnen gegen den Pilz Toile. *Zbl. Bakt.*, 2. Abt., 1935, 92: 209-20.—**Kostov, D.** Studies on the acquired immunity in plants induced by grafting. *Zschr. Immunforsch.*, 1932, 74: 339-46.—**Passalacqua, T.** Expériences de vaccination sur le Pelargonium zonale. *Boll. Sez. ital. Soc. internaz. microb.*, 1934, 6: 83-7.

IMMUNOGEN.

See **Antigen**; **Vaccine**; also other specific names of immunogens.

IMMUNOLOGY.

See also **Biological products**; **Blood group**; **Serology**; also various immunological terms as **Antibodies**; **Complement**, etc.

Munroe, L. J. The Oakmont papers on immunology. 60p. 8°. Glendale, Calif., 1935.

Bruynoghe, R. L'immunologie. *Rev. méd., Louvain*, 1930, 81-7.—**Gay, F. P.** Immunology; a medical science developed through animal experimentation. *J. Am. M. Ass.*, 1911, 56: 578-83.—**Hirschfeld, L.** Prolegomena zur Immunitätslehre. *Klin. Wschr.*, 1931, 10: 2153-9.—**Keller, W.** Immunbiologie. *Mshr. Kinderh.*, 1936, 67: 179; 1937, 71: 277; 1938, 76: 268.—**Lucchesi, P. F.** The present status of immunology in childhood. *Hahneman. Month.*, 1937, 72: 561-70.—**Okell, C. C.** Immunity and immunization. In *Brit. Encycl. M. Pract.* (Rolleston, H.) *Lond.*, 1938, 7: 58-80.—**Park, W. H.** Certain clinical aspects of immunology. *Tr. Coll. Physicians, Philadelphia*, 1935, 4. ser., 3: 2-5.—**Ranque, A., & Sénez, C.** Inmunidad e inmunización. *Crón. méd. mex.*, 1931, 30: 245-9.—**Rosenthal, W.** Prolegomena zur Immunitätslehre. *Klin. Wschr.*, 1932, 11: 112.—**Scott, W.** Some observations on immunology in general practice. *Vet. Rec., Lond.*, 1925, 5: 265-74.—**Selter, H.** Immunodiagnostik und Immuntherapie. In *Irrtümer allg. Diagn.*, 1923, H. 6, 169-210.—**Trask, J. D.** Comparative immunology in pediatrics. *Yale J. Biol.*, 1928-29, 1: 1-7.—**Tzanck, A.** Les doctrines médicales; introduction à l'étude de l'immunologie moderne. *Presse méd.*, 1933, 41: 1449-53.—**Wells, H. G.** Immunology, biochemistry and evolution. *Proc. Inst. M. Chicago*, 1928-29, 7: 237-44.—**Wright, A. E.** On the need for abandoning much in immunology that has been regarded as assured. *Proc. R. Soc. M., Lond.*, 1941-42, 35: 161-86.

— Congresses, institutes and societies.

American Association of Immunologists, second meeting held in Washington, May 10, 1915. *Med. Rec., N. Y.*, 1915, 88: 1-36.—**Bazán, F., & Bayley Bustamante, G.** Centro de profilaxis antiinfecciosa externa del hospital de niños. *Arch. argent. pediat.*, 1941, 16: 412.—**—** *Immunologie.* In *Notice Inst. Pasteur Algérie*, 1934, 1: 344-56.—**Ionescu-Mihăești, C.** [Prof. Cantacuzino's Institute of serum and vaccine] *Romania med.*, 1937, 15: 105-7.—**Micheletti, E.** Terzo convegno Volta; Convegno internazionale d'immunologia tenutosi in Roma dal 25 Settembre al 1° Ottobre 1933-XI. *Ann. med. nav., Roma*, 1933, 39: pt 2, 697-704.—**Proceedings of the American Association of Immunologists**; twenty-first annual meeting. *J. Immun. Balt.*, 1934, 26: 327-51.—**—** [Report (annual) of the Institute of Serum and Vaccine Dr I. Cantacuzino from April 1, 1940 to April 1, 1941] *Rev. st. med., Bucur.*, 1941, 30: 251-87.—**Rizzuti, G., Patterson, A.** [et al.] Convegno internazionale d'immunologia. *Gior. med. mil.*, 1933, 81: 921-32.

— History.

Babes, V. Sur la première constatation de la transmissibilité des propriétés immunisantes et curatives par le sang des

animaux immunisés. *Roumanie méd.*, 1894, 2: 192-4.—**Bieling, R.** The evolution of the theory of immunity. In *Med. chem. aspects*, 1933, 69-77.—**Bohme, W.** Ueber Wandlungen in der Immunitätswissenschaft und ihre Rückwirkung auf praktische Ziele der Epidemiologie und Prophylaxe. *Wien. klin. Wschr.*, 1926, 39: 177; 215; 246; 273.—**Bristol, L. D.** The present status of immunology. *J. Lancet*, 1916, 36: 292-7.—**Debré, R.** L'immunologie, sa naissance et son développement. *Gaz. méd. France*, 1933, 423-30. Also *Presse méd.*, 1933, 41: 433-9.—**Donle, W.** Rückblick über die Fortschritte auf dem Gebiete der Epidemiologie, Bakteriologie und Immunitätslehre. *Deut. Militärärz.*, 1936, 1: 162-5.—**Ecker, E. E.** Recent progress in immunity. *Tr. Kansas City Acad. M.* (1939-41) 1942, 155-76.—**Friede, K. A.** [Twenty years of Soviet immunology] *J. mikrob., Moskva*, 1938, 19: 688-717.—**Heymann, B.** Zur Geschichte der Seitenketten-theorie Paul Ehrlichs. *Klin. Wschr.*, 1928, 7: 1257; 1306.—**Keller, A. E.** Recent developments in the production and use of immunizing agents. *Papers Health Work. Conf. Tennessee*, 1937, 9: [Discussion] 90-105.—**Laubenheimer, K.** Die aus dem Staatlichen Institut für experimentelle Therapie veröffentlichten Arbeiten über Immunität, Serologie und Serumdiagnostik. *Arb. Staatsinst. exp. Ther.*, 1931, H. 25, 75-90.—**Le Bourdellès, B.** De la bactériologie à l'immunologie. *Rev. hyg., Par.*, 1935, 57: 401-20.—**Manwaring, W. H.** Immunological prophecy from ancient hieroglyphics. *Science*, 1929, 70: 1-7.—**—** Renaissance of pre-Ehrlich immunology. *J. Immun., Balt.*, 1930, 19: 155-63.—**—** Post-Ehrlich immunology. *Science*, 1931, 74: 324-7.—**Marsigliano, E.** Il primus movens del movimento immunitario. *Riforma med.*, 1933, 49: 627-9.—**Mitchell, H. A.** Modern conceptions of immunology. *Pub. Health, Lond.*, 1933, 47: 4-11.—**Morelli, E.** I nuovi orizzonti della moderna immunologia. *Rass. clin. ter.*, 1935, 34: 201-17.—**Murillo, F.** Progresos de la sueroterapia, inmunoterapia y suerodiagnóstico durante el año 1913. *Progr. clín., Madr.*, 1913, 1: 54-62.—**—** Progresos de la inmunología y serología en el año 1913. *Ibid.*, 1914, 3: 5-17.—**—** Progresos de la inmunología y serología en el año de 1914. *Ibid.*, 1915, 5: 40-53.—**—** Progresos de la inmunología y serología durante el año de 1915. *Ibid.*, 1916, 7: 21-37.—**Nasso, I.** Commenti bibliografici a cura del Prof. Ivo Nasso. *Pediatria (Riv.)* 1934, 42: 1225-7.—**Predtechensky, S. N.** [New ways in immunology]. *Dnipropetr. med. J.*, 1929, 8: 301-12.—**Roussy, G.** De la bactériologie à l'immunité. *Presse méd.*, 1935, 43: 1013.—**Sachs, H.** Von neueren Fragen und Ergebnissen der Serologie und Immunbiologie. *Jahrbuch. ärztl. Fortbild.*, 1935, 26: H. 10, 16-31.—**Salazar, M.** Estado actual de las doctrinas de la inmunidad; introducción a la segunda edición de mi libro sobre inmunidad. Siglo 21., 1926, 78: 1-3.—**Schieck, F.** Neuere Ergebnisse der Immunitätsforschung. *Zbl. ges. Ophth.*, 1932-33, 28: 1.—**Schneider, R.** Immunitätsforschung, Bakteriologie und Parasitologie. *Jahrbuch. Ophth.*, 1922, 47: 121-36.—**Skvirsky, P.** [New ideas in pathology and immunology] *Sovet. vrach. gaz.*, 1934, 38: 1478-98.—**Wassermann, A. von.** Die Mikrobiologie und die Immunitätswissenschaft in den letzten 50 Jahren. *Deut. med. Wschr.*, 1924, 50: 1682-6.—**Wright, A.** Changing doctrines of immunology. *Brit. M. J.*, 1942, 1: 50.

— Manuals and periodicals.

Billard, G. La phylaxie. 94p. 8°. Par., 1931.

— The same. *Phylaxis*; trans. by H. Gainsborough. 77p. 8°. Lond., 1931.

Boyd, W. C. Fundamentals of immunology. 446p. 24cm. N. Y., 1943.

Bruynoghe, R. L'immunité et ses applications. 5. éd. 455p. 8°. Louvain, 1936.

Citron, J. Die Methoden der Immunodiagnostik und Immunotherapie und ihre praktische Verwertung; Anhang: Die Chemotherapie. 3. Aufl. 343p. 8°. Lpz., 1919. Also 4. Aufl. 353p. Lpz., 1923.

Dieudonné, A., & Weichardt, W. Immunität, Schutzimpfung und Serumtherapie. 250p. 8°. Lpz., 1925.

Giornale di Batteriologia e Immunologia; bollettino clinico ed amministrativo dell'Ospedale Maria Vittoria. Torino, v.1, 1926—

Kolmer, J. A., & Tuft, L. Clinical immunology, biotherapy and chemotherapy in the diagnosis, prevention and treatment of disease. 941p. 24½cm. Phila., 1941.

Le Bourdellès, B., & Sédallian, P. Précis d'immunologie. 927p. 8°. Par., 1930.

Lehmann, F. M. Die Lösung des Immunitätsproblems; eine Physiologie, Psychologie und Soziologie der Zelle. 208p. 8°. Berl., 1924.

PATON, D. M. A solution of the septic problem and a new theory of immunity. 204p. 12° Lond., 1927.

PERLA, D., & MARMORSTON, J. Natural resistance and clinical medicine. 1344p. 25cm. Bost., 1941.

PREISZ, H. Az infectio és immunitás tanának elemei. 583p. 8° Budap., 1936.

RATCLIFF, J. D. Men against microbes. 287p. 22cm. Lond. [1940]

REVUE D'IMMUNOLOGIE. Par., v.1, 1935-

RIVISTA DI IMMUNOLOGIA E SCIENZE AFFINI. Milano, v.1, 1921-

SHERWOOD, N. P. Immunology. 608p. 8° S. Louis, 1935. ALSO 2. ed. 639p. 23½cm. 1941.

TOPLEY, W. W. C. An outline of immunity. 415p. 8° Lond., 1933.

— & WILSON, G. S. The principles of bacteriology and immunity. 2. ed. 1645p. 8° Balt., 1936.

TZANCK, A. Immunité, intolérance, biophysique; doctrine biologique et médecine expérimentale. 268p. 8° Par., 1932.

WERTHEMANN, A. Die Abwehrkräfte des menschlichen Körpers und die Möglichkeit der therapeutischen Beeinflussung. 128p. 8° Lpz., 1934.

ZINSSER, H. Resistance to infectious diseases. 651p. 8° N. Y., 1931.

— ENDERS, J. F., & FOTHERGILL, L. D. Immunity. 801p. 24cm. N. Y., 1939.

Blier, J. A propos de 2 petits livres: Immunité, immunisation, par J. Rennes; Pratique bactériologique, par A. Orliconi et R. Clogne. Rev. path. comp., Par., 1923, 23: 344-50.—Klopstock, F. Immunbiologie des Blutes. In Handb. allg. Hamat. (Hirschfeld) Berl., 1934, 2: 2. Hälfte, 1253-338.—Rudder, B. de. Immunbiologie des Kindesalters. In Biol. Daten Kinderarzt (J. Brock) Berl., Bd 3, 1939, 283-307.

— Nomenclature.

Giddings, N. J. Immunity and resistance. Science, 1942, 95: 553.—Martin, L. The recent trend toward a differentiation between allergy and immunity and the relationship to clinical medicine. Ann. Int. M., 1934, 8: 483-96.—Nicolle, C. Propositions générales pour une dénomination plus précise en français des états et faits concernant l'immunité. Arch. Inst. Pasteur, Tunis, 1935, 24: 513-9. Also Rev. immun., Par., 1935, 1: 269-75.—Nizzoli, C. Concezione di una nuova immunità: la quarta. Gazz. osp., 1927, 48: 145-8.—Takenaka, S., Takemura, T., & Uehara, F. [Ueber die sogenannten Promunität von Orskov und Kauffmann] Mitt. Med. Akad. Kioto, 1941, 31: 715; 1001.—Tschermak-Seysenegg, A. Ueber den Begriff der Spezifität, der Immunität und Infektiosität an Kristallschmelzen. Schweiz. med. Wschr., 1935, 65: 555.

— Research methods, and problems.

PFEILER, W. Das Problem des mesenchymalen Reizes in der Zellulärtherapie; seine Bedeutung für die Immunitätswissenschaft. 56p. 8° Jena, 1924.

SCHMIDT, H. Die Technik immunbiologischer Untersuchungsverfahren. 157p. 12° Lpz., 1921.

Albert-Weil, J. Les données actuelles du problème de l'immunité. Gaz. hôp., 1929, 102: 329; 369.—Bonet-Maury, P., & Olivier, H. R. Utilisation de l'effet biologique des radiations ionisantes dans l'étude de l'immunité. C. rend. Soc. biol., 1937, 126: 410-2.—Bordet, J. Les aspects actuels du problème de l'immunité. Bruxelles méd., 1926-27, 7: 1551-7.—Buchbinder, L. Heterophile phenomena in immunology. Arch. Path., Chic., 1935, 19: 841-80.—Centanni, E., & Trincas, M. Sul meccanismo di assuefazione degli organismi unicellulari ai veleni come studio dei tipi immunitari; tecnica di ricerca e primi risultati. Gior. batt. immun., 1926, 1: 2-14.—Erhardt, A. Der Wert der Immunitätsreaktionen für phylogenetische Untersuchungen in der Zoologie. Zschr. Immunforsch., 1929, 60: 156-66.—Ermolaev & Metalnikov, S. Sur l'immunisation des fragments du corps séparés par une ligature. C. rend. Soc. biol., 1931, 107: 517-20.—Forssman, J. Einige Immunitätsfragen im Lichte der heterogenetischen Forschung. Wien. klin. Wschr., 1929, 42: 669-71.—Frankel, E. Studien zur Immunlehre. Zschr. klin. Med., 1928, 108: 386-97.—Friedberger, E., & Meissner, G. Weitere Versuche über die karotal-zentrale Einspritzung. Zschr. Immunforsch., 1923,

36: Orig., 367-85.—Friedberger, E., & Ungermann, E. Investigación de la inmunidad. An. cienc. méd., Madr., 1912, 3. ser., 10: 21-48.—Goodpasture, E. W. Some uses of the chick embryo for the study of infection and immunity. Am. J. Hyg., 1938, 28: 111-29.—Gunn, R. E. A study in immunology. J. Iowa M. Soc., 1926, 16: 407.—Ioffe, V. I. Aktuelle Aufgabe der Immunitätsforschung. Acta med. URSS, 1940, 3: 302-11.—[Future problem in the study of the question of infection and immunity] Arkh. biol. nauk, 1940, 58: 3-24.—Kimmelstiel, P. Ueber Immunitätsprobleme. Beitr. Klin. Tuberk., 1925-26, 62: 693-5.—Krichevsky, I. L., Weissfeiler, U. K., & Galanova, N. V. [New methods in study of immunity and allergy in infectious diseases] J. mikrob., Moskva, 1937, 18: 372-85. Also Rev. immun., Par., 1937, 3: 265-82.—Kyrklund, R. Resistenzstudien auf Grund bakterizider Versuche. Acta Soc. med. Duodecim, 1926, 7: 1-8.—Levine, B. S. A new slide and hand shaker for use in slide precipitation and agglutination studies in immunology. J. Lab. Clin. M., 1934-35, 20: 543-5.—McCoy, G. W. The methods of immunology. Science, 1923, 57: 481-3.—Madsen, T., Jensen, C., & Ipsen, J. Problems in active and passive immunity. Bull. Johns Hopkins Hosp., 1937, 61: 221-45.—Metalnikov, S., & Ermolaev, J. Sur l'immunisation des fragments du corps des chenilles. C. rend. Soc. biol., 1935, 118: 965.—Paraf, J., & Lévi, S. Problèmes chimiques de l'immunologie. Presse méd., 1940, 48: 726-30.—Peyron, A., Poumeau-Delille & Mercier, P. Sur l'importance des données de l'histo-physiologie expérimentale dans l'étude de l'immunité. Ann. Inst. Pasteur, Par., 1938, 61: 770-2.—Prigge, R. Neue Problemstellung der Immunbiologie. Klin. Wschr., 1939, 18: 337-42. Also Orvosekézés, 1939, 29: 150-62.—Sedallian, P., Jourdan, F., & Clavel, C. Peut-on aborder l'étude physiologique des immunités antitoxiques ou antimicrobiennes? Rev. immun., Par., 1938, 4: 211-5.—Suknev, V. V., & Timakov, V. D. [Methodology of certain problems of immunity] Vest. mikrob., 1933, 12: 79-98.—Weichardt, W. Methoden der Erforschung unspezifischer Beeinflussungen. In Handb. biol. Arbeitsmeth. (Abderhalden, E.) Berl., 1933, Abt. 13, Teil 2, pt 1, 665-718.—Witebsky, E. Neuartige Wege immunbiologischer Analyse. Seuchenbekämpfung, 1929, 6: 110-20.—Zhukov-Verezhnikov, N. N. [Criticism of certain problems in modern immunology. Vest. mikrob., 192, 11: 221-37.]

IMMUNO-TRANSFUSION.

See Blood transfusion, Blood, immune.

IMOLA, Italy. Ospedale d'Imola. Sezione chirurgica. Rendiconto statistico. Imola (1895) 1896.

IMP, John Frank, 1910— *Pulmonary embolism. 27p. 4° Milwaukee, 1938. Typewritten.

IMPALEMENT.

See also injuries of Abdomen; Anus; Bladder; Pelvis; Perineum; Thorax; etc.

DEUHLER, W. *Ueber Pfählungsverletzungen. 28p. 8° Freib. i. B., 1928.

DRAPE, P. *Ueber Pfählungsverletzungen. 19p. 8° Halle a. S., 1918.

FURRER, E. *Kasuistischer Beitrag zum Thema: Trauma am Ende der Schwangerschaft [Zürich] 22p. 8° Uznach, 1934.

GRAFF, A. *Die Fälle der in den Jahren 1928-34 in der Bonner Universitätsklinik behandelten Pfählungsverletzungen der Beckengegend unter Berücksichtigung der in dieser Zeit erschienenen Literatur. 36p. 21cm. Bonn, 1935.

GUBSER, J. *Beiträge zu den Pfählungsverletzungen [Zürich] 23p. 8° Uznach, 1932.

KRAMER [K. W.] R. *Ueber die Schädigung der Blase bei Pfählungsverletzungen vom Mastdarm aus [Giessen] 27p. 8° Gelnhausen, 1932.

ROSSMANN, E. *Ueber Pfählungsverletzung in gerichtsärztlicher Beziehung [Münster] 27p. 22½cm. Heiligenstadt, 1935.

ROUQUES, P. *Les plaies du rectum par empalement; diagnostic, pronostic et indications opératoires. 58p. 8° Par., 1931.

SCHULZE, W. *Ueber Pfählungsverletzungen [Berlin] 36p. 8° Gütersloh, 1935.

Ackman, F. D. An impalement wound of the perineum. Canad. M. Ass. J., 1939, 41: 290.—Anisimova, V. I., & Totsky, V. M. [Case of combined injury of the rectum and urinary bladder] Khirurgia, Moskva, 1939, No. 8, 126-8.—Baker, I. Ein seltener Fall von Pfählungsverletzung. Arch. orthop. Unfallchir., 1930-31, 29: 544-7.—Barbieri Palmieri, C. Su 2 casi di impalamento perineale. Gior. clin. med., 1940, 21,

1175-9.—**Beach, E. W.** The so-called straddle injury: its management. *California West. M.*, 1937, 46: 234-40.—**Breyer, J. H.** Impalement of rectum. *Am. J. Surg.*, 1933, 22: 305-7.—**Burger, K.** Fall von tödlicher Pfählung. *Zbl. Gyn.*, 1926, 50: 1160-3.—**Clagett, O. T.** Impalement of the rectum. *Proc. Mayo Clin.*, 1939, 14: 690-2.—**Conway, F. M.** Impalement of the rectum. *Surg. Gyn. Obst.*, 1938, 66: 222-6.—**Courty, L.** Plaie extra-péritonéale du rectum et de la vessie par empalement; cystostomie sus-pubienne d'emblée; guérison. *J. sc. méd. Lille*, 1922, 40: 481-6.—**De Mees.** Deux cas d'empalement avec perforation du rectum. *Rev. méd., Louvain*, 1923, 369-72.—**Duncan, J. A., & Forbes, R. D.** Abdominal injuries due to impalement of rectum; report of 2 cases. *Northwest M.*, 1940, 39: 61-3.—**Ehalt, W.** Ueber Pfählungsverletzungen. *Beitr. klin. Chir.*, 1931, 152: 157-60.—**Esser, F.** Eine seltene Pfählungsverletzung. *Münch. med. Wschr.*, 1936, 83: 1833.—**Frank, R. T.** Trauma in gynecology. *Surg. Clin. N. America*, 1938, 18: 499-509.—**Fuchs, H.** Genitale Pfählungsverletzungen und ihre Spätfolgen. *Zbl. Gyn.*, 1931, 55: 1400-6.—**Garberson, J. H.** Impalement of the rectum. *J. Lancet*, 1939, 59: 44-6.—**Grabherr, E.** Zur Kasuistik und Mechanik typischer Pfählungsverletzungen. *Zbl. Chir.*, 1933, 60: 2742-4.—**Guérin, R.** Sur un cas d'empalement. *Bordeaux chir.*, 1939, 10: 49.—**Guibal, J., Sabotier, A., & Vassileff, N.** Les perforations du rectum par empalement. *Rev. chir., Par.*, 1933, 71: 466-76.—**Hald, J.** [Peculiar impalement in a 10-year old girl] *Norsk mag. lægevid.*, 1932, 93: [Forh. Norsk med. selsk.] 82-4.—**Hambly, E. H.** Injury by a steel rod piercing perineum, abdomen, and thorax. *Lancet, Lond.*, 1938, 2: 672.—**Hubrich, R.** Pfählungsverletzung bei einer Graviden. *Deut. med. Wschr.*, 1929, 55: 2099.—**Hübner, A.** Pfählungsverletzungen der Blase. *Zschr. urol. Chir.*, 1937, 43: 38-40.—**Hüss, M.** L'importanza della cistoscopia nello studio clinico e nella valutazione medico-legale delle lesioni da impalamento trans-rettale della vescica. *Rass. previd. sociale*, 1932, 19: No. 6, 18 pl.—**Isler, W.** Eigenartige Pfählungsverletzung. *Schweiz. med. Wschr.*, 1929, 59: 437.—**James, M. C.** Impalement of the rectum with intra-abdominal rupture; a report of 3 cases. *Nebraska M. J.*, 1940, 25: 399-402.—**Kleckner, M. S.** Impalement of rectum; operation and recovery. *Tr. Am. Proct. Soc.*, 1934, 35: 131-3.—**Lahey, F. H.** Puncture of the rectum by the axle of a baby carriage. *Boston M. & S. J.*, 1914, 171: 821.—**La Marnière, de.** Un cas d'empalement. *Bull. Soc. nat. chir., Par.*, 1932, 58: 1225-7.—**Landsman, A. A.** A report of 2 cases of injury of the rectum caused by impalement. *Tr. Am. Proct. Soc.*, 1930, 31: 17-20.—**Lumnicz, S.** [Rare case of injury by impalement] *Budapesti orv. ujs.*, 1940, 38: 601-3.—**Masini, M.** Estrazione di un pezzo di palo dal basso ventre. *Arch. sc. med. fs. toscane* (1837-38) 1840, 1: 194-9, pl.—**Massias, C.** Sur 5 cas d'empalement. *Bordeaux chir.*, 1930, 7: 343-5.—**Ménégaux.** Un cas d'empalement du rectum; guérison par résection abdomino-périnéale. *Gaz. hôp.*, 1938, 111: 885.—**Morel, A.** Empalement recto-vésical; cystostomie; Mickulicz périnéale; guérison. *Mém. Acad. chir., Par.*, 1939, 65: 662-4.—**Moritsch, P.** Einige Fälle von Pfählungsverletzungen. *Wien. klin. Wschr.*, 1929, 42: 737-9.—**Mosettig, E.** Zur Kasuistik und Problematik der Pfählungsverletzungen. *Mschr. Geburtsh. Gyn.*, 1933, 94: 357-63.—**Nédelec, M.** Un cas d'empalement du rectum; guérison par résection abdomino-périnéale immédiate. *Mém. Acad. chir., Par.*, 1938, 64: 747-55.—**Nikonov, S. A.** [Case of perforation by a peg into the abdominal cavity through the perineum] *Khirurgiya, Moskva*, 1939, No. 8, 128.—**Okamura, Y.** Ein Fall von totaler Harnröhrenzerreissung durch Pfählungsverletzung. *Okayama igakki zasshi*, 1937, 49: 431.—**Polacco, E.** Impalamento transaddomino-perineale. *Arch. Soc. ital. chir.*, 1934, 40: 786-90.—**Porzelt, W.** Penetrierende Pfählungsverletzung der Harnblase unter Mitverletzung des graviden Uterus. *Deut. Zschr. Chir.*, 1931, 232: 432-5.—**Power, J. H., & O'Meara, E. S.** Perforated wound of the rectum into the pouch of Douglas, caused by impalement. *Ann. Surg.*, 1939, 109: 468-73.—**Re, C.** Contributo alla casistica e considerazioni sulla patologia e clinica delle lesioni da impalamento. *Ann. ital. chir.*, 1937, 16: 573-86.—**Reinhardt, H.** Eine Pfählungsverletzung ungewöhnlicher Art. *Deut. Zschr. Chir.*, 1931, 231: 512-4.—**Ricci, G.** Sopra un caso di impalamento in rapporto ai poteri di difesa del peritoneo. *Riforma med.*, 1936, 52: 284-90.—**Rosenburg, A.** Ueber eine eigenartige Pfählungsverletzung. *Beitr. klin. Chir.*, 1930-31, 151: 657-60.—**Schoen.** Pfählungsverletzung des Schambeins. *Röntgenpraxis*, 1941, 13: 83.—**Tierny, A.** Empalement sur un soc de charrue; éviscération périnéale; résection; mort tardive après 37 jours. *Bull. Soc. nat. chir., Par.*, 1927, 53: 353-5.—**Valme, C.** Plaies recto-vésicales provoquées par des tiges d'arbustes desséchées et taillées à quelques centimètres du sol. *Bull. Serv. hyg., Port-au-Prince*, 1936, 3: No. 10, 9-11.—**Waffelaert.** Un cas de plaie du rectum par empalement. In: *Liv. jub. pub. P. Derache, Brux.*, 1933, 7-10.—**Wurzel, P.** [Injuries due to impalement] *Cas. lek. česk.*, 1934, 73: 1362-4.

IMPALUDATION.

See Malariotherapy.

IMPARTIAL (An) account of the conduct of the excise towards the breweries in Scotland, particularly in Edinburgh; pointing out the

beneficial effects of the new mode of survey ... 1 p. l. 85p. 21½cm. Edinb., 1791.

IMPARTIAL (An) and correct history of the war between the United States of America, and Great Britain; declared by a law of Congress, June 18, 1812, and concluded by a ratification and exchange of a Treaty of Peace, at the city of Washington, Feb. 17, 1815; comprising a particular detail of the naval and military operations, and a faithful record of the events produced during the contest. 304p. 12° N. Y., J. Low, 1815.

IMPATIENS.

See also Geraniaceae.

Reagle, M. L. The vascular anatomy of *Impatiens pallida*. Abstr. Theses Univ. Pittsburgh, 1938, 14: 233-40.

IMPEDANCE.

See Electric impedance.

IMPEDIN.

See also Phagocytosis, Inhibition; Vaccine.

TORIKATA, R. Die Impedinersehung; Grundlage und Methode für die Reform der heutigen Impfstoffe, sowie Beitrag zur Aetiologie bösartiger Geschwülste. 871p. 8° Jena, 1930.

Aoyagi, Y. Nachweis des Impedins in den Alttuberkulinen, zugleich die Kritik über ihre Herstellungsmethode sowie die staatliche Kontrollierung der Wertigkeit der Präparate. *Zschr. Immunforsch.*, 1934-35, 84: 405-9.—**Chistovich, N. J.** K voprosu o znachenii antifaginov i leikotsitov pri fagotsitoze. *Sborn. posv. I. I. Mechnikovu, S. Peterb.*, 1909, 3-5.—**Fiortito, G.** Sulle sostanze microbiche antifagocitiche (antifagina di Chistovich). *Ann. med. nav., Roma*, 1910, 16: 563-73.—**Fujinami, S.** Die Impedinersehung bei Geschwülsten. *Jap. J. M. Sc.*, 1934-36, 4: Surg., 204.—**Hayasi, S.** Nachweis von einer Phagozytose hindernden Energie (Impedin) im Tuberkulin. *Kekkaku*, 1929, 7: 43.—**Isimoto, Y.** Mit welchen Bestandteile des Antigens ist die Impedierung verbunden? *Zbl. Bakt., I. Abt.*, 1926-27, 101: 420-5.—**Isitani, K.** Zur Feststellung der optimalen Röntgenbestrahlungszeit zwecks Vernichtung des Impedins. *Arch. jap. Chir.*, 1937, 14: 695-705.—**Isitani, K.** Nachweis des Impedins in den Anavakzinen betreffend El-Tor-Vibriosen. *Ibid.*, 716-8.—**Iwaki, S.** Nachweis des in Fühnermyxosarkom enthaltenen Impedins. *Ibid.*, 1087; passim.—**Nakagawa, K.** Nachweis des in den gewöhnlichen Gonokokkenvakzinen enthaltenen Impedins. *Ibid.*, 1-37.—**Okuma, Y.** The impedin phenomena on myeloma; the proof of the existence of impedin in the myelomatous tissue; with a side light on the pathogenesis of the tumor. *Ibid.*, 171.—**Okumura, Y.** Immunologische Versuche mit BCG; wird das Impedin auch von BCG produziert? *Kekkaku*, 1936, 14: No. 5, 22.—**Pike, R. M.** The depression of phagocytosis by products of staphylococci. *J. Immun., Balt.*, 1934, 26: 69-80.—**Sawada, B.** Ueber den Einfluss von den gekochten Bakterienleibern auf den immunisatorischen Prozess; Experiment über die Phagozytose. *J. Orient. M.*, Dairen, 1929, 10: 23. Also *Polychin*. Dairen, 1928-30, 4: No. 16, 23.—**Ueber** die immunisatorischen Eigenschaften von Vakzine, dessen Medium eine Zeitlang gekocht ist (Impedin-Vernichtung) *Ibid.*, No. 19, 101.—**Suguro, H.** Ueber die Impedinersehung bei Phagozytose; experimentelle Grundlage zur Beurteilung eines antigenen Materials an seiner Antigenavidität sowie Giftigkeit. *Zschr. Immunforsch.*, 1926, 46: 399-438.—**Takayasu, A.** Erforschung über die allgemeine robierende Wirkung der von Tuberkelbazillen stammenden Präparate; Nachweis des im Alttuberkulin enthaltenen Impedins, sowie der Unterschied zwischen dem originalen (impedinhaltigen) und dem vom Impedin befreiten Alttuberkulin in der allgemeinen robierenden Wirkung. *Kekkaku*, 1938, 16: 17-20.—**Tatui, S.** Ueber das Impedin in den antigenen Präparaten aus Tuberkelbazillen; Erforschung über die optimale Abkochungszeit des eiweisfreien Tuberkulins für die totale Regenerierung der Antigenvidität. *Arch. jap. Chir.*, 1937, 14: 68.

IMPERATORE, Biagio. Razza e profilassi antivenerea. 123p. 18cm. Nap., Ed. C. L. E. T., 1938.

IMPERATORI, Charles Johnstone, 1878- & BURMAN, Herman Joseph. Diseases of the nose and throat. xviii, 723p. illust. diagr. 8° Phila., J. B. Lippincott co. [1935] Also 2. ed., rev. xxi, 726p. 23½cm. Phila. [1939]

IMPERIAL Cancer Research Fund.

See under Great Britain.

IMPERIALI, Giovanni. -1653. Musaeum historicum et physicum [6] l. 219p. 11 l. portr. 8°. Venezia, Giunta, 1640.

IMPERIALI, Mina, 1893- *Untersuchungen über die Körperlänge und ihre Variationen an stadt- und landzürcherischen Stellungspflichtigen; ein Beitrag zur Kenntnis der Determinanten des Längenwachstums. p.217-46. 8°. Zür., O. Füssli, 1933.

IMPETIGO.

See also Eczema, Complication; Pyoderma; Staphyloiderma; Streptoderma.

Bloomfield, J. H., & White, C. J. Emphasis on impetigo. *Mod. Hosp.*, 1936, 47: No. 5, 69.—**Danforth, W. C.** Spots on the baby! *Hygeia, Chic.*, 1942, 20: 333.—**Forman, L.** Impetigo. *Brit. Enceyl. M. Pract.* (Rolleston, H.) Lond., 1938, 7: 81-102.—**Fournier, A., & Lamouroux.** Les impétigos. *Marseille méd.*, 1926, 63: 1748-56.—**Gelber, A.** Impetigo. *Med. Woman J.*, 1942, 49: 195-200.—**Impetigo**; a summary of present-day concepts. *Pharm. J., Lond.*, 1941, 93: 193.—**Lindsay, H. C. L.** Impetigo; a brief review. *Urol. Cut. Rev.*, 1926, 30: 215-24.—**Swartout, H. O.** Impetigo is contagious. *Health, Mount. View*, 1941, 8: No. 11, 7.—**Thomas, E. W. P.** Common skin diseases; impetigo. *Nurs. Times, Lond.*, 1940, 36: 579.—**Tomkinson, J. G.** Impetigo. *Practitioner, Lond.*, 1932, 128: 334-42.—**Vickers, H. R.** The impetigos. *Med. Press & Circ., Lond.*, 1942, 207: 295-8.

— bullosa.

See also Dermatitis, bullosa; Dermatitis, exfoliativa; Ritter's type.

HECKER, M. *Ueber Impetigo bullosa und ihr nahestehende Erkrankungen. 23p. 2 l. 8°. Marb., 1926.

Balog, P. Sur la bactériologie de l'impétigo bullosa et du pemphigoidé. *Ann. derm. syph., Par.*, 1930, 7. ser., 1: 127-81.—**Behcet, H.** Impetigo phlyctenularis et circinata unter dem Bild einer Trichophytie bei Geschwistern. *Derm. Wschr.*, 1937, 105: 1619.—**Bottema, C. W.** [Impetigo bullosa tropica et its treatment] *Ceneesk. tschr. Ned. Indië*, 1933, 73: 1090-5.—**Bremener, M.** Sluclat dermatitis bullosa (streptococcica) s. pemphigus v. benignus. *Russ. J. kozh. vener. bolezni.*, 1910, 20: 71-4.—**Gaucher, Rougerot & Meaux Saint-Marc.** Pemphigus; dermatite polymorphe, eczématiforme et bulleuse, streptococcique. *Bull. Soc. fr. derm. syph.*, 1913, 24: 73-7.—**Milian, G.** Impetigo phlyctenulaire et érysipéloïde de la jambe. *Rev. fr. derm. vénér.*, 1932, 8: 471.—**Impetigo phlyctenulaire de la jambe laissant à sa place une dermatite érosive cuivrée.** *Ibid.*, 1935, 11: 288-94.—**Schubert, M.** Ueber Impetigo bullosa und ihr nahestehende Erkrankungen. *Derm. Zschr.*, 1925-26, 46: 198-202.—**Sirota, L. S.** [Study of pyoderma pemphigoides gravis] *Vest. vener.*, 1938, No. 6, 86.—**Weber, O.** Ueber die Beziehung der Schälblasen zur Impetigo kont. und Dermatitis exfoliativa. *Zschr. Krankenpf.*, 1922, 44: 121; 139.

— bullosa neonatorum.

See also in 3. ser. Pemphigus, neonatorum.

ADAM DE BEAUMAIS, B. *Contribution à l'étude du pemphigus épidémique du nouveau-né. 47p. 8°. Par., 1935.

GRANDJEAN-BAGARD, E. *Etude sur le pemphigus congénital à kystes épidermiques. 15p. 8°. Par., 1906.

MÜLLER, E. *Zur Kenntnis des Kontagiosität des Pemphigus neonatorum [Erlangen] 46p. 8°. Nürnberg, 1909.

VORSTER, C. E. *Ueber Pemphigus neonatorum, seinen Zusammenhang mit Dermatitis exfoliativa neonatorum und Impetigo contagiosa. 56p. 8°. Rost., 1907.

Adamson, H. G. On the bacteriology of pemphigus neonatorum, and a suggestion for further investigation by a different method of cultural proceeding. *Brit. J. Derm. Syph.*, 1937, 49: 93-9.—**Allyn, W. E., & Allyn, W. E., jr.** A study of urines of the newborn following ammoniated mercury rubs. *Arch. Pediat.*, N. Y., 1942, 59: 631-6.—**Arning** [Ein Kind mit Pemphigus neonatorum] *Jahrb. Hamb. Staatskrankenanst.* (1909) 1910, 14: 1. Teil, 131.—**Beane, G. F.** The prevention of impetigo; a study of non-bathing of the newborn. *Am. J. Nurs.*, 1936, 36: 1207-10.—**Belding, D. L.** Notes on the etiology and epidemiology of impetigo contagiosa neonatorum. *Am. J. Obst.*, 1926, 11: 70-9.—**Benians, T. H. C., & Jones, B. H.** Pemphigus neonatorum. *Lancet, Lond.*, 1929, 1: 174-6.—**Bergstrand, K.** [Staphylococcie pyoderma et its relation to pemphigus neonatorum] *Sven. läk. tidn.*, 1937, 34: 1241-6.—

Bindshedler, J. J., Vallette, A., & Woringer, P. Pemphigus congénital. *Bull. Soc. fr. derm. syph.*, 1935, 42: 397. Also *Nourisson*, 1935, 23: 241.—**Bowman, A. K.** Pemphigus neonatorum. *Brit. J. Derm. Syph.*, 1936, 48: 484-90.—**Brochier, A., & Rousset, J.** Eruption bulleuse, congénitale chez un nourisson (pemphigus épidémique congénital). *Bull. Soc. fr. derm. syph.*, 1936, 43: 954-6. Nouveau cas d'éruption bulleuse congénitale chez un nourisson (pemphigus épidémique congénital). *Ibid.*, 1937, 44: 188-90.—**Burn, J. L.** Pemphigus neonatorum. *Lancet, Lond.*, 1941, 2: 53.—**Capurro, R.** Pénfigo congénito sucesivo a quistes epidérmicos. *Arch. lat. amer. pediat.*, B. Air., 1926, 3. ser., 20: 306-9.—**Cathala, V., & Meyer, J.** Traitement du pemphigus épidémique du nourisson par la méthode nitrée d'argent ultra-violet d'Hulchinsky. *Ann. Inst. actin.*, Par., 1933-34, 8: No. 5, 30-2.—**Chadwell, O. R.** Impetigo neonatorum; its control and treatment. *N. England J. M.*, 1928, 199: 983-5.—**Collins, F. G., & Campbell, H.** Pemphigus neonatorum; a series of 50 cases. *Lancet, Lond.*, 1929, 1: 227-9.—**Conn, L. C., & Vant, J. R.** The care and prevention of impetigo neonatorum. *Canad. M. Ass. J.*, 1935, 32: 75.—**Cox, R.** A case of pemphigus neonatorum. *Practitioner, Lond.*, 1920, 105: 301.—**Daubresse-Morelle & Van Rossum.** Une épidémie de pemphigus aigu des nouveau-nés. *Ann. Inst. chir. Bruxelles*, 1932, 33: 173-9.—**Delbanc, E.** Zur Aetiologie der Fingerkuppenimpetigo (Tourniole-Sabouraud) und des Pemphigus neonatorum. *Derm. Wschr.*, 1921, 72: 362-6.—**De Blasio, R.** Il pemfigo epidemico dei neonati. *Rinasc. med.*, 1934, 11: 726.—**Dickey, L. B.** A study of an epidemic of impetigo in new-born infants. *Arch. Pediat.*, N. Y., 1926, 43: 145-59.—**Feilchenfeld, B.** Beitrag zu den Beziehungen zwischen Pemphigus neonatorum und Impetigo contagiosa. *Berl. klin. Wschr.*, 1921, 58: 1436.—**Foerster, O. H.** Pemphigus neonatorum, or bullous impetigo contagiosa of the new-born. *J. Am. M. Ass.*, 1909, 53: 358-62.—**Foulkrod, C.** Pemphigus neonatorum contagious. *Atlantic M. J.*, 1925-26, 29: 454-7.—**Fox, H.** Extensive pemphigoid eruption in an infant. *Arch. Derm. Syph.*, Chic., 1934, 30: 588.—**Gandy, D. T.** Bullous impetigo of the new-born. *Arch. Pediat.*, N. Y., 1935, 52: 483-8.—**Garot, L.** Observations nouvelles sur le pemphigus épidémique des nourrissons. *Rev. fr. pédiat.*, 1927, 3: 353-64.—**Gaté, J., Racouchot, J., & Raynaud.** Pemphigus congénital à kystes épidermiques chez un hérédo-syphilitique probable. *Bull. Soc. fr. derm. syph.*, 1937, 44: 513-5.—**Gawalowski, K.** Pemphigus acutus und impetigo contagiosa; on the question of the identity of the 2 diseases in childhood. *Urol. Cut. Rev.*, 1928, 32: 435-8.—**Gregorson, A. W.** A note on ultra-violet radiation in the treatment of pemphigus neonatorum. *Lancet, Lond.*, 1928, 1: 703.—**Guy, W. H., & Jacob, F. M.** Prophylaxis of impetigo neonatorum. *J. Am. M. Ass.*, 1934, 102: 840.—**Hallé, J.** Pemphigus congénital. *Bull. Soc. pédiat. Paris*, 1934, 32: 419-23.—**Hart, F. D.** Pemphigus neonatorum (bullous contagious staphylococcic impetigo of the newly born) an account of 2 epidemics and a review of the literature. *Brit. J. Derm. Syph.*, 1938, 50: 118-39.—**Haxthausen, H.** [Pemphigus contagiosus neonatorum] *Hospitaltidende*, 1937, 80: [Foren. gynæk. obst. forh.] 1. — [Treatment of pemphigus contagiosus neonatorum] *Ugeskr. laeger*, 1941, 103: 266.—**Heraux, A.** Les pemphigus infectieux non syphilitiques du nouveau-né. *Gaz. méd. France*, 1934, 975-83.—**Herlitz, G.** Kongenitaler, nicht syphilitischer Pemphigus. *Acta paediat.*, Upps., 1935, 17: Suppl. 1, 234.—**Herzmann, K.** Pemphigus neonatorum simplex congenitus. *Zschr. Kinderh.*, 1934, 56: 483-5.—**Hiemcke, H. J. T.** [Impetigo bullosa neonatorum] *Mscr. kindergeneesk.*, 1934, 3: 223-38.—**Imre, M.** [Study of pemphigus epidemic in infants] *Budapesti orv. ujs.*, 1928, 26: 219-21.—**Jordan, H. P. B.** Pemphigus neonatorum in maternity hospitals. *Tr. Am. Hosp. Ass.*, 1928, 30: 552-61.—**Kahler, M. V.** A case of pemphigus neonatorum. *Indianapolis M. J.*, 1929, 32: 334-6.—**Keho, J. A.** Epidemic pemphigus neonatorum (impetigo?) a method of treatment. *Northwest M.*, 1929, 28: 37.—**Kellert, E.** On the control of epidemic impetigo neonatorum by means of glycerine. *Am. J. Obst.*, 1929, 18: 426.—**Kownatzki.** Zur Verbreitungsweise des Pemphigus neonatorum. *Münch. med. Wschr.*, 1907, 54: 1923.—**Krigbaum, R. E.** On a possible cause for pemphigus neonatorum; a preliminary report. *Am. J. Obst.*, 1926, 11: 494-6.—**Levin, S. J.** The treatment of impetigo contagiosa neonatorum; the dry method. *J. Michigan M. Soc.*, 1934, 33: 563.—**Lieberman, S. L.** [Case of pemphigus neonatorum gravis] *Sovet. vest. vener.*, 1934, 3: 1114-6.—**Lubczyński, W.** [Control of pemphigus among the new-born in St. Sophia's municipal maternity hospital in Warszawa] *Gin. polska*, 1938, 17: 239-45.—**McMillan, A. E.** Impetigo contagiosa neonatorum; its prevention in obstetric nurseries. *West. J. Surg.*, 1931, 39: 924.—**Magelaner, I.** Eradicating infant impetigo. *Mod. Hosp.*, 1938, 51: No. 5, 48.—**Moutot, H.** Pemphigus congénital successif; lésions albo-papuloïdes? association de kératodermie palmaire et plantaire congénitale. *Bull. Soc. fr. derm. syph.*, 1930, 37: 798-804.—**Mulert.** Ueber Pemphigus neonatorum. *Zschr. Medbeame*, 1910, 23: 520.—**Murray, R. A.** Impetigo or pemphigus neonatorum, with special reference to etiology and prophylaxis. *Minnesota M.*, 1931, 14: 399-404.—**Neff, F. C.** Epidemic pemphigus of the newly born. *Arch. Pediat.*, N. Y., 1929, 46: 24-33.—**Normark, A.** Ueber die Behandlung des Pemphigus neonatorum. *Uppsala läk. fören. förh.*, 1936, 42: 309-14.—**Norrlin, L.** [Pemphigus neonatorum] *Sven. läk. tidn.*, 1937, 34: 1472.—**Olmsted, H. C.** Impetigo contagiosa neonatorum; a present day hospital nursery problem. *Northwest M.*, 1930, 29: 166-9.—**Pemphigus neonatorum.**

Lancet, Lond., 1935, 1: 1333.—Plantenga, B. P. B. [Pemphigus neonatorum and the body] Msehr. kindergeneesk., 1933, 11: 407-10.—Plein, M. Pemphigus neonatorum; a nursing care study. Am. J. Nurs., 1941, 41: 834-7.—Poole, W. H., & Whittle, C. H. Epidemic pemphigus of the newly born (Impetigo contagiosa et bullosa neonatorum) Lancet, Lond., 1935, 1: 1323-7.—Reed, C. B. Impetigo or pyodermitis neonatorum. Arch. Derm. Syph., 1928, 18: 26-36. Also Am. J. Obst., 1929, 17: 49-58.—Reist, A. Zur Prophylaxe der staphylogenen Pyodermien der Neugeborenen, speziell des Pemphigus neonatorum, mit Schwefelbädern. Praxis, Bern, 1941, 30: H. 29, Beil., 16-8. Also Rev. méd. Suisse rom., 1941, 61: 834-7.—Ritter, J. A. The non-cleansing technic for the prevention of impetigo contagiosa neonatorum; a 4-year study. Urol. Cut. Rev., 1941, 45: 460-2. — & Stephenson, R. The care of the skin of the newborn; a study of the noncleansing technic. Pennsylvania M. J., 1938-39, 42: 514-6.—Roederer, J. Pemphigus congénital à kystes épidermiques. Bull. Soc. fr. derm. syph., 1937, 44: 2151-7.—Rubell, I. Impetigo contagiosa neonatorum. Arch. Pediat., N. Y., 1931, 48: 777-84.—Rucker, M. P. Repeated neonatal deaths from impetigo neonatorum. South. M. J., 1934, 27: 540.—Rulison, E. T. Control of impetigo neonatorum; advisability of a radical departure in obstetric care. J. Am. M. Ass., 1929, 93: 903.—Silvestri, U. Sopra una epidemia di pemfigo dei neonati verificatasi in Bologna nell'estate 1937. Atti Soc. ital. derm. sif., 1938, 1: 988.—Simpson, R. E. H. Pemphigus neonatorum. Lancet, Lond., 1940, 1: 195.—Smith, M. M. Pemphigus neonatorum occurring in the practice of a midwife. Brit. M. J., 1910, 1: 198.—Stern, E. Ueber eine kleine Endemie von Pemphigus neonatorum gravis. Schweiz. med. Wschr., 1927, 57: 36.—Swendson, J. J., & Lee, S. R. Impetigo contagiosa neonatorum with a report of 4 epidemics. J. Am. M. Ass., 1931, 96: 2081-5.—Tachau, P. Pemphigoid der Neugeborenen und Kinder. In: Handb. Haut & Geschlkr. (A. & G. Alexander) Berl., 1934, 9: pt 2, 159-234.—Troup, A. G., & White, R. M. Pemphigus neonatorum treated with sulphapyridine (M. & B. 693) Lancet, Lond., 1939, 2: 1367.—Valk, J. W. van der. Ein Beitrag zur ätiologischen Identität der Impetigo bullosa, des Pemphigus neonatorum und der Dermatitis exfoliativa Ritter von Rittershain. Derm. Zschr., 1928, 53: 668-74.—Voigt, O. Was sind Schälblasen? Allg. deut. Hebam. Ztg., 1906, 21: 235-8.—Weston, W., jr. Congenital pemphigus neonatorum. South. M. J., 1936, 29: 905-8.—Willemijn-Clog, Stoerr & Cardyn. A propos d'un cas de pemphigus congénital observé à la clinique du professeur Rohmer. Bull. Soc. fr. derm. syph., 1935, 42: 392-6.—Wiskott, A. Pemphigus neonatorum. Schweiz. med. Wschr., 1942, 72: 50 (Abstr.)

Complication.

LINDENSTRAUS, H. *Die Impetigonephritis im Kindesalter unter besonderer Berücksichtigung ätiologischer und pathogenetischer Verhältnisse. 50p. 8°. Königsb., 1932.

ROUCHON, A. *Contribution à l'étude des affections rénales dans l'impétigo. 75p. 24cm. Par., 1939.

SCHÄFER, N. *Ueber die Impetigo-Nephritis nach dem Material der Bonner Universitäts-Kinderklinik. 35p. 8°. Bonn, 1934.

Abascal, H. Algunas consideraciones sobre las nefritis impetiginosas. Mem. Acad. nac. cienc. Antonio Alzate, 1940, 55: 38-47.—Artom, M. La nefrite da impetigine. Dermosifilograf., 1926, 1: 370-5.—Cruickshank, R. Impetigo contagiosa and nephritis. Lancet, Lond., 1941, 2: 410.—Debre, R., & Lelong, M. Les complications de l'impétigo chez l'enfant. Médecine, Par., 1926, 8: 128-32.—Gorchakov, I. A. [The kidneys in impetigo in children] Sovet. med., 1940, No. 12, 10.—Kristensen, B., & Grandjean, E. [Impetigo and diphtheria] Ugeskr. læger, 1934, 96: 507.—Milian, G. Impetigo confluent et rebelle du visage; ses réactions biotropiques; prurigo de voisinage. Rev. fr. derm. vénér., 1929, 5: 23-5.—Impetigo; érythème ordi nummulaire généralisé. Ibid., 26.—Atrophie cutanée secondaire à un impetigo végétant. Ibid., 548-53.—Parakératose eczématiforme avec petits médaillons consécutive à un impetigo de la face. Ibid., 1931, 7: 522-5.—Impetigo escharotique par syphilis associée. Ibid., 1932, 8: 414.—Kératose post-impetigineuse. Ibid., 1935, 11: 283.—Palmer, H. E. Impetigo contagiosa complicated by hemorrhagic nephritis; case report. J. Florida M. Ass., 1940-41, 27: 73-5.—Périn, L., & Vrettakis, C. Impetigo et psoriasis; guérison du psoriasis par le vaccin strepto-staphylococcique. Bull. Soc. fr. derm. syph., 1930, 37: 373-7.—Silvers, S. H. Impetigo contagiosa complicated by acute nephritis. N. York State J. M., 1939, 39: 1093-5.—Solomin, S. P. [Impetigo contagiosa case, combined with acute glomerulonephritis, in adult] Belorusk. med. dumka, 1927, 3: 100-6. Also Derm. Wschr., 1927, 84: 433.—Sommer, Ueber die Häufigkeit und Eigenart der Impetigonephritis im Kindesalter. Veröff. Heer. San., 1931, H. 85, 178-86.—Sutton, L. E., jr. Nephritis complicating impetigo. South. M. J., 1934, 27: 798-802.—Swann, H. C. Streptococcal pyaemia secondary to impetigo. Vet. Rec., Lond., 1935, 15: 1317.—Woodbridge, G. H. Acne and impetigo. Ibid., 1918-19, 31: 34-7.

contagiosa [Tilbury Fox]

Balmain, A. R. An investigation into the aetiology of impetigo contagiosa (56 cases) with notes on treatment (263 cases). Lancet, Lond., 1926, 2: 484-7.—Burckhardt, W. Die perorale Behandlung der Impetigo contagiosa mit Sulfanilamidthiazol (Gibazol) Schweiz. med. Wschr., 1941, 71: 663.—Campbell, H. S. Some considerations regarding the etiology of impetigo contagiosa. California West M., 1942, 57: 136.—Carpenter, C. C. Treatment of impetigo contagiosa with compound chlorhydroxyquinoline ointment. Arch. Derm. Syph., Chic., 1938, 37: 307.—Chambers, G. L. Impetigo contagiosa. S. Michael's Hosp. M. Bull., Toronto, 1929-30, 4: 61-3.—Cruickshank, R. Bacteriology of impetigo contagiosa. Lancet, Lond., 1941, 2: 275.—Doch. Impetigo contagiosa. Med. Klin., Berl., 1940, 36: 1426 (Abstr.) (microfilm).—Downie, V. J. The silver nitrate treatment of impetigo contagiosa. J. R. Army M. Corps, 1941, 77: 97-9.—Dunaway, H. A. Impetigo contagiosa. J. Missouri M. Ass., 1937, 34: 122.—Ebner, M. T. Treatment of impetigo contagiosa. Ohio M. J., 1942, 38: 35. Also South. M. & S., 1942, 104: 70.—Ellison, J. B. The treatment of impetigo contagiosa by means of ultraviolet rays. Lancet, Lond., 1927, 1: 1343-5.—Epstein, S. Impetigo contagiosa; the streptococci and staphylococci varieties and their management. Wisconsin M. J., 1941, 40: 383-90.—Gauvain, E. A. Common skin conditions; impetigo or impetigo contagiosa. Long Island M. J., 1926, 20: 327.—Goldman, L. Ulcerative reaction from gentian violet in the treatment of impetigo contagiosa. Arch. Derm. Syph., Chic., 1940, 42: 1122.—Holder, H. G. Treatment of impetigo contagiosa with gentian violet. Am. J. Obst., 1928, 15: 857-9.—Hollander, L., & Hecht, J. J. A new auxiliary treatment for impetigo contagiosa. Am. J. Dis. Child., 1934, 48: 269-71. Also J. Chemother., 1934, 11: 93-5.—Impetigo contagiosa. Bull. san., Montréal, 1940, 40: 22.—Jamieson, R. C. Impetigo contagiosa. J. Pediat., S. Louis, 1940, 17: 695.—Jessner, M. Impetigo contagiosa und Ecthyma simplex. In: Handb. Haut & Geschlkr. (A. & G. Alexander) Berl., 1934, 9: pt 2, 35-158.—Lindberg, G. Zur Therapie der Impetigo contagiosa. Ann. paediat., Basel, 1942, 158: 40-5.—Ludy, J. B. Impetigo contagiosa. In: Cyclop. Med. (Piersol-Bortz) Phila., 1939, 7: 672-5, pl.—Mayerhofer, E. Behandlung der Impetigo contagiosa des Kindesalters durch Kelenvereinsung. Wien. med. Wschr., 1936, 86: 797.—Milian, G. Impetigo et dermatites streptococciques. Rev. fr. derm. vénér., 1935, 11: 285-7.—Newman, J. L. Impetigo contagiosa, its epidemiology and control. J. Hyg., Camb., 1935, 35: 150-9.—Nobl, G. Zirinnäre Epithelzystenaussaat im Gefolge von Impetigo contagiosa. Derm. Wschr., 1934, 98: 50-2.—Nolan, R. A. The use of adhesive tape in dermatology; treatment of impetigo contagiosa. Bull. Maryland Dep. Health, 1930, 2: 57-62.—O'Donnell, E. T. Experimental impetigo contagiosa. Yale J. Biol., 1934-35, 7: 377.—Ottino, U. Epidemia di impetigo contagiosa. Prat. pediat., Milano, 1932, 10: 121.—Oxenius, K. Zur Behandlung der Impetigo contagiosa im Kindesalter. Münch. med. Wschr., 1935, 82: 584.—Périn, L. Impetigo streptococcique et pityriasis rosé de Gilbert. Bull. Soc. fr. derm. syph., 1927, 34: 734-8.—Photinos, P. Un nouveau procédé du traitement d'impetigo contagiosa. Ibid., 1938, 45: 650.—Pratt, A. G., Imhoff, R. E., & Decker, H. B. Impetigo contagiosa treated with ammoniated mercury colloidal kaolin lotion. J. M. Soc. N. Jersey, 1939, 36: 442-7.—Seldowitz, M. Treatment of impetigo contagiosa with rubber containing 8-hydroxyquinoline. Am. J. Dis. Child., 1940, 59: 67-75.—Snell, E. Treatment of impetigo contagiosa. Brit. M. J., 1941, 2: 178.—Tachau, P. The bacteriology of impetigo contagiosa. Brit. J. Derm. Syph., 1938, 50: 113-8.—Wertheimer, H. G. Impetigo contagiosa. Atlantic M. J., 1925-26, 29: 451-4.—Wildman, W. W. Observations on the etiology of impetigo contagiosa in children. Med. Off., Lond., 1937, 57: 221.

contagiosa, staphylogenes.

Asano, H. Weitere Beiträge zur Frage der Erreger von Impetigo contagiosa albo-staphylogenes (Dohi) Jahrb. Kinderh., 1935, 3. F., 94: 222-5.—Epstein, S. Beitrag zur staphylogenen Impetigo contagiosa. Derm. Zschr., 1934, 70: 328-40.—Staphylococcic impetigo contagiosa. Arch. Derm. Syph., Chic., 1940, 42: 840-55, pl.; 1941, 44: 317-9.—Local allergic phenomena in circinary impetigo; a contribution to the etiology of staphylococcic impetigo contagiosa. J. Invest. Derm., 1940, 3: 223-30.—Kasahara, M., & Takahasi, T. Zur Klinik und Aetiologie der Impetigo contagiosa staphylogenes im Säuglingsalter. Jahrb. Kinderh., 1930, 3. F., 77: 188-93.—Meinardi-Flaumenhaft. [Impetigo circinata] Geneesk. tschr. Ned. Indië, 1940, 80: 1504-6.

eczematodes.

See Eczema, Complication.

Etiology.

Aoti, M. Bacteriological studies of impetigo; Impetigo vulgaris, impetigo albostaphylogenes Dohi and impetigo Bockhart. Acta derm., Kyoto, 1927, 9: 539; 10: 317.—B. E. Elimpetigococo. Gac. peru. cir. med., 1941-42, 4: No. 40, 5.—Evans, P. The impetigococcus. Lancet, Lond., 1941, 1: 737.—Morrison, J. Impetigo in school children. Med. Off., Lond., 1930, 43: 221.—Müller, A. Entwicklung und Stand der Impetigofrage. Zbl. Haut. Geschlkr., 1927-28, 25: 385-96.—

O'Donovan, W. J. Impetigo in schools. *Lancet*, Lond., 1931, 1: 461-4.—Richter, W., & Wäthter, K. Milzbrandähnlicher Bazillenbefund bei einer Hauterkrankung; Impetigo anthracoides. *Deut. med. Wschr.*, 1929, 55: 1089-92.—Simpson, R. E. H. The impetigococcus. *Lancet*, Lond., 1941, 1: 683.

— follicular [Bockhart]

See also **Folliculitis; Staphyloiderma; Sycosis.**
Stowe, W. R. Treatment of Bockhart's impetigo in the adult scalp by X-rays. *Med. J. Australia*, 1927, 2: Suppl., 143.

— Pathology.

SZPUT, M. *Impétigo unguéal. 29p. 8°. Par., 1936.

Cannon, A. B., Kohn [et al.] Pyogenic diseases (Discussion) *J. Pediat.*, S. Louis, 1938, 12: 829-32.—Caro, P. Su un caso assai raro di impetigo diffusa delle fauci e della bocca. *Otorinol. ital.*, 1932, 2: 504-9.—Giardino, F. Dermatosi di Tilbury Fox e dermatosi di Bockhardt. *Rinasc. med.*, 1934, 11: 306.—Hiemcke, H. J. T. Untersuchungen über Impetigo vulgaris und verwandte Erkrankungen. *Arch. Derm. Syph.*, Berl., 1934, 170: 123-42.—Menna, F. La prova di McClure e Aldrich nei bambini affetti da erosta latte. *Rinasc. med.*, 1936, 13: 407.—Millan, G. Plaque d'impétigo chronique géante. *Rev. fr. derm. vénér.*, 1937, 13: 500-2.—Millan & Périn. Teigne amiantacée, impetigo rétro-auriculaire et séborrhoides. *Bull. Soc. fr. derm. syph.*, 1927, 34: 16-9.—Nicolas, J., Roussat, J., & Colas, J. Impétigo gangréneux. *Ibid.*, 1936, 43: 1331-3.—Stomatite (La) impétigineuse des enfants. *Clinique*, Par., 1936, 31: 291.—Turquet, R. La stomatite impétigineuse des enfants. *Méd. inf.*, Par., 1933, 40: 393-401.—Wolfe, J. T. Unusual impetigo; case report. *South. M. & S.*, 1938, 100: 417.

— staphylogenes.

Hahn, T. F. *Staphylococcus toxoid* in impetigo. *J. Florida M. Ass.*, 1940-41, 27: 549-51.—Kuznet, M. M. [Clinical course of impetigo circinata] *Vener. derm.*, Moskva, 1931, 8: 28-30.—Williams, R. B., & Daines, L. L. The relationship of infectious omphalitis of poult and impetigo staphylogenes in man. *J. Am. Vet. M. Ass.*, 1942, 101: 26-8.

— Treatment.

MICHAUD, J. *Le traitement moderne de l'impétigo par la vaccinotherapie ou la medication sulfamidée. 87p. 24 $\frac{1}{2}$ cm. Par., 1939.

Adams, H. M. The challenge of impetigo control; a comparison of methods and results in 3 hospitals. *Am. J. Nurs.*, 1935, 35: 811-9.—Benassi, E. Osservazioni e considerazioni sulla fototerapia dell'impetigo. *Actinoterapia*, Nap., 1930-31, 9: 128-36. Also *Raggi ultravioletti*, 1932, 8: 52-6.—Brain, R. T. Treatment of impetigo. *Brit. M. J.*, 1941, 2: 492.—Carslaw, R. W., & Swenarton, J. A. Economy in the treatment of impetigo and scabies. *Ibid.*, 225.—Chadwell, O. R. Preventing and controlling impetigo in maternity departments. *Mod. Hosp.*, 1931, 37: 49-51.—Flandin, C., Ferrand, M., & Duchon, L. Pyodermites et impétigos; bactériologie et vaccinotherapie. *Gaz. méd. France*, 1940, 47: 23-8.—Flood, R. G. Control of impetigo. *Am. J. Dis. Child.*, 1939, 58: 931-4.—Frazier, C. N. Prevention and cure of impetigo in infancy and childhood. *Chin. M. J.*, 1936, 50: 586-91.—Georges-Lévy. *Formulaire*. *Bull. gén. théor.*, 1934, 185: 101-4.—Girard, Delbos, J., & Jaubert, R. Note préliminaire sur l'utilisation du corps 693 en applications locales. *Bull. Soc. fr. derm. syph.*, 1939, 46: 603.—Gittings, J. C. Ammoniated mercury in impetigo. *J. Am. M. Ass.*, 1939, 112: 1010.—Hope-Simpson, R. E. Sulphathiazole ointment for impetigo. *Brit. M. J.*, 1942, 1: 90.—Jagger, F. F. C. Treatment of impetigo. *Ibid.*, 1941, 2: 560.—Manheimer, S. Sound technic prevents impetigo in the nursery. *Mod. Hosp.*, 1942, 58: No. 6, 50.—Peterkin, G. A. G. Treatment of impetigo. *Brit. M. J.*, 1941, 2: 422.—Roques, K. R. von. Ueber die Behandlung des Milchschorfes mit Stiefmütterchen und Okralin. *Med. Klin.*, Berl., 1939, 35: 1016.—Roxburgh, C. C. Etiology and treatment of impetigo. *Practitioner*, Lond., 1941, 146: 289-95.—Scheepe, F. L. [Methods in treatment of impetiginous wounds] *Geneesk. tscrh. Ned. Indië*, 1934, 74: 43.—Schlesinger, B. E., & Martin, N. H. Sulphonamides by mouth in the treatment of impetigo. *Lancet*, Lond., 1942, 1: 527-9.—Shelton, L. B. Sulphathiazole ointment in impetigo. *Brit. M. J.*, 1942, 1: 245.—Smith, C. S. Treatment of impetigo. *Ibid.*, 2: 560.—Solonovich, G. A. [Impetigo and its control in children's institutions] *Soviet. pediat.*, 1934, No. 11, 88-93.—Steigman, A. J. Sulphathiazole ointment in the treatment of impetigo. *Brit. M. J.*, 1942, 1: 12.—Sulphonamide therapy of impetigo. *Lancet*, Lond., 1942, 1: 632.—Thomas, E. W. P. The use of sulphonamide in the treatment of impetigo. *Nurs. Times*, Lond., 1942, 38: 53.—Tratamiento del impetigo en los niños. *Dia méd.*, B. Air., 1939, 11: 685.—Vasileva, E. K. [Treatment of impetigo with Tinct. gallarum and Tinct. ratanhae aq.] *Vest. vener.*, 1938, No. 2, 83-5.—Veyrieres & Valette. L'impetigo et son traitement. *Vie méd.*, 1926, 7: 2005.—Wertheimer. L'impetigo de l'enfant en pratique médicale courante. *Paris méd.*, 1939, 113: 304-7.—Wilcox, R. Sulphanilamide in impetigo. *Pharm. J.*, Lond., 1942, 94: 217.

— in animals.

Carré, H. Impetigo chez l'agneau; son étiologie; son traitement. *Rec. méd. vét.*, 1933, 109: 394-9.—Fraser, A. C. Impetigo in a greyhound bitch. *Vet. J.*, Lond., 1936, 92: 67.—Swann, H. C. Impetigo in dachshunds. *Vet. Rec.*, Lond., 1935, 15: 1316.

IMPETIGO herpeticiformis [Hebra, 1872]

SALIN, L. *Impetigo herpeticiformis mit Tetanie nach Strumektomie. 25p. 8°. Frankf. a. M., 1933.

Batunin, M. P. [Impetigo herpeticiformis Hebra, with joint and nail complications] *Vener. derm.*, Moskva, 1929, 6: 38-43.—Blum, P., & Bralez, J. Impetigo herpeticiforme. In *Nouv. prat. derm.* (Darier, Sabouraud [et al.]) Par., 1936, 4: 505-17.—Bohnstedt, R. M. Kasuistischer Beitrag zur Frage Impetigo herpeticiformis und Tetanie. *Arch. Derm. Syph.*, Berl., 1933, 169: 357-63.—Bonnet, L. M. Impetigo herpeticiforme. *Lyon méd.*, 1940, 164: 17-22.—Brill, E. Zur Ätiologie der Impetigo herpeticiformis. *Derm. Zschr.*, 1928, 53: 70-9.—Buschke, A., & Boss, A. Ueber Impetigo herpeticiformis mit Gelenkerkrankungen. *Derm. Wschr.*, 1931, 93: 1394-402.—Carter, B., & Pearse, R. L. Impetigo herpeticiformis occurring during pregnancy. *Am. J. Obst.*, 1937, 33: 114-25.—Crieri, B. Impetigo herpeticiformis. *Atti Soc. ital. derm. sif.*, 1938, 1: 749-55.—Ferrari, A. V. Sull'eziopatogenesi dell'impetigo herpeticiformis. *Ibid.*, 1144.—Sull'eziopatogenesi della impetigo herpeticiformis; contributo clinico-sperimentale. *Dermosiflografo*, 1939, 14: 201-8.—Friedmann, M. Ein Fall von Impetigo herpeticiformis. *Arch. Derm. Syph.*, Berl., 1932, 165: 457-68.—Leszczyński, R. Klinische Beiträge zur Kenntnis der Pathogenese der Impetigo herpeticiformis. *Ibid.*, 1928, 156: 102-21.—Lutz, W. Zur Kenntnis der Impetigo herpeticiformis. *Derm. Zschr.*, 1928, 53: 384-90.—Maccari, F. Dermite micrococcale a tipo di impetigo erpetiforme. *Gior. ital. derm. sif.*, 1930, 71: 1341-3; 1575-93, 2 pl.—Manzi, L. Impetigo erpetiforme gravidico. *Clin. ostet.*, 1935, 37: 538-45.—Nékám, L. [Impetigo herpeticiformis] *Ory. hetil.*, 1938, 82: mell., 146.—Prokopchuk & Baranovsky. Die Heilung der Impetigo herpeticiformis Hebra durch Bluttransfusion. *Derm. Wschr.*, 1933, 96: 66.—Rao, G. T. L'impetigo herpeticiformis. *Clin. ostet.*, 1938, 40: 389-96.—Rotnes, P. L. Zwei Fälle von Impetigo herpeticiformis. *Derm. Wschr.*, 1930, 91: 1059-63. Also *Norsk mag. lægevid.*, 1930, 91: 432-41.—Sandler, I. L. Impetigo herpeticiformis; a report of a case and brief review of the literature. *Urol. Cut. Rev.*, 1939, 43: 347-50.—Scherber, G. Die Impetigo herpeticiformis. *Wien. med. Wschr.*, 1926, 76: 934; 963.—Schreiner, K. Zur Frage der Impetigo herpeticiformis. *Derm. Zschr.*, 1927, 51: 340-44.—Tanimura, T. Ueber Impetigo herpeticiformis bei nichtschwangeren Frauen. *Arch. Derm. Syph.*, Berl., 1927, 153: 86-9.—Tenlén, S. Förut visat fall av impetigo herpeticiformis hos gravida. *Nord. med.*, 1941, 12: 3380 (Abstr.) (microfilm)—Tissi, E. Sopra un caso di impetigo herpeticiformis gravidarum Hebrae. *Gior. ital. derm. sif.*, 1930, 71: 1343-7.—Touraine & Molevaux. Impetigo herpeticiforme chez un garçon de 14 ans. *Presse méd.*, 1940, 48: 540.—Walter, F. [Contribution to etiology of impetigo herpeticiformis] *Polska gaz. lek.*, 1926, 5: 719-23. Also *Ann. derm. syph.*, Par., 1927, 6. ser., 8: 257-65.—Wanderer. Impetigo herpeticiformis. *Zbl. Haut Geschlkr.*, 1936, 54: 67.—Werthemann, A. Ueber Impetigo herpeticiformis Hebrae. *Arch. Derm. Syph.*, Berl. 1929, 157: 214-33.—Wohlstein, E. Impetigo herpeticiformis beim Manne mit schwerer Infektpolyarthritis und Nagelveränderungen. *Derm. Wschr.*, 1931, 93: 1888-93.—Wreszynski, E. Impetigo herpeticiformis beim Manne mit schweren Gelenk- und Nagelveränderungen. *Ibid.*, 1927, 84: 161-5.—Zocchi, S. Impetigo erpetiforme e gravidanza. *Ginecologia*, Tor., 1936, 2: 339-52; 1939, 5: 465-82.—Zumbusch, L. von. Bemerkung zu dem Aufsatz von Wreszynski über Impetigo herpeticiformis beim Manne mit schweren Gelenk- und Nagelveränderungen. *Derm. Wschr.*, 1927, 84: 543 [Schlusswort von E. Wreszynski] 544.

— Treatment.

Bartmann, J. Zur ätiologischen Therapie der Impetigo herpeticiformis. *Arch. Derm. Syph.*, Berl., 1937, 175: 93-106.—Buschke, A., & Curth. Ueber die Behandlung eines Falles von Impetigo herpeticiformis mit Folliculin (Zondek), Menformon (Laqueur-Zondek) *Klin. Wschr.*, 1927, 6: 1757.—Cedercreutz, A. Un cas grave d'impetigo herpeticiforme définitivement guéri après castration radiographique (observé 7 ans après l'intervention) *Acta derm. vener.*, Stockh., 1939, 20: 403-12, pl.—Fedosov, N. [Therapy of impetigo herpeticiformis (case, cured by intravenous injections of calcium)] *Vrach. delo*, 1928, 11: 330.—Frank, L. J. Impetigo herpeticiformis; report of successful treatment with sulfanilamide. *Arch. Derm. Syph.*, Chic., 1939, 40: 253-5.—Grütz, O. Röntgenkastration bei Impetigo herpeticiformis. *Strahlentherapie*, 1930, 35: 501-12.—Leszczyński, R. [Etiology and treatment of impetigo herpeticiformis] *Przegl. derm.*, Warsz., 1936, 31: 127-30.—Migge, M. Ueber einen mit Folliculin geheilten Fall von Impetigo herpeticiformis bei einer nicht graviden Frau. *Derm. Zschr.*, 1928, 56: 110-8.—Prokopchuk, A. J., & Baranovsky [Treatment of impetigo herpeticiformis by blood transfusions] *Soviet. vest. vener.*, 1934, 3: 331.—Scherber, G. Zur Anwendung von Parathyreoida (G. Richter) und des Präparates A. T. 10 bei der Behandlung der Impetigo herpeticiformis und der Psoriasis vulgaris pustulosa.

Derm. Wschr., 1938, 106: 391-4.—**Schubert, M.** Impetigo herpetiformis, ihre Behandlung mit A. T. 10. *Ibid.*, 1936, 102: 761-5.—**Tenlén, S.** [Hormone treatment in a case of impetigo herpetiformis during pregnancy] *Hygica, Stockh.* 1936. 98: 404-9. Also *Acta derm. vener.*, *Stockh.*, 1937, 18: 165-72.

IMP-FRAGE. 12p. 8°. Berl., 1891.
Repr. from *Vegetarier*, Berl., 1891.

IMPLANTATION.

See **Grafting**.

IMPORTANT advice to married women, containing infallible means of securing the affections of their husbands, and preserving domestic harmony. By a lady of high distinction. 43p. 16°. Phila., C. Bell, 1823.

IMPOSTOR

See also **Diploma**; **Physician, License**; **Quack**.

Another impostor repeats; Aaron Raffelson found using name of New York physician. *J. Am. M. Ass.*, 1941, 116: 433.—**Audacious** (An) impostor [Harry Virtue] *Lancet*, Lond., 1913, 1: 777.—**Benton** County quack jailed; re: State of Minnesota vs John Taylor alias Hobo Jack, the unlicensed specialist. *Minnesota M.*, 1940, 23: 493.—**Bogus** doctors busy. *West Virginia M. J.*, 1942, 38: 83.—**Bogus** (A) medical diploma in Australia. *J. Am. M. Ass.*, 1919, 73: 356-9.—**Brosnan, L. J.** Illegal and fraudulent practice of medicine. *N. York State J. M.*, 1934, 34: 858-60.—**Chaffee, S. N.** Fake doctors. *J. Kansas M. Soc.*, 1927, 27: 4-6.—**Ely**, rheumatism doctor, sentenced to 6 month jail term. *J. Lancet*, 1940, 60: 85.—**Fake** doctor pleads guilty to petit larceny in St Paul. *Minnesota M.*, 1940, 23: 739.—**How's** that again, now? a Doctor Ohlendorf gets lost among the sublime forces. *J. Am. M. Ass.*, 1942, 119: 436.—**Illegal** practitioner sentenced. *Ibid.*, 118: 829.—**Impostor** given suspended sentence. *Fed. Bull. Chic.*, 1942, 28: 250. Also *J. Am. M. Ass.*, 1942, 119: 428.—**Itinerant** health lecturer pleads guilty to fraudulent advertising and practicing healing without a basic science certificate. *Minnesota M.*, 1940, 23: 813.—**Josephson, E. M.** Doc. George H. Simmons, quack. In his *Merchants in Med.*, N. Y., 1941, 11-7.—**Knowlton, M.** Folks fall for fakers. *Connecticut Health Bull.*, 1937, 51: 262-4.—**M. A. P.** Dollar doctor. *S. Mary Hosp. Gaz.*, Lond., 1938, 44: 116.—**Mitchell, J.** Dr. Sims, professional hoodwinker. *Med. Econom.*, 1936-37, 14: 33.—**Phillips** alias Phillips; criminal impersonates his former medical corps superior. *J. Am. M. Ass.*, 1942, 120: 145.—**Phillips**, impostor Arthur Osborne Phillips sentenced to 5 years. *Ibid.*, 1943, 121: 59.—**Prominent** (A) impostor; Koba-Kuba shows up as Matsuzaka. *Ibid.*, 1940, 115: 1739.—**Punishment** for bogus F. R. C. S. *Lancet*, Lond., 1941, 2: 406.—**Surgical** impostor sentenced. *J. Am. M. Ass.*, 1942, 119: 1515.—**Venerable** (A) professor sentenced. *Brit. M. J.*, 1920, 1: 384.—**Warning** of impostor. *Fed. Bull. Chic.*, 1942, 28: 249. Also *J. Am. M. Ass.*, 1942, 119: 509.

IMPOTENCE.

See **Coitus, Disorders**; **Sterility, male**; also **Anaphrodisia**; **Divorce, Causes**; **Genitals, Abnormality**; **Marriage, etc.**

IMPREGNATION.

See also **Birth control**; **Breeding**; **Conception**; **Fecundation**; **Fertilization**; **Genetics, applied**; **Ovum**; **Reproduction**; **Semen**; **Spermatozoon**; **Sterility**.

Brouha, A. A propos des phénomènes utérins préparatoires à la nidation de l'œuf. *Bruxelles méd.*, 1933-34, 14: 810-2. Also *Gynécologie, Par.*, 1934, 33: 697.—**Ei** und **Sperma** sind für einander giftig. *Med. Klin.*, Berl., 1940, 36: 851 (microfilm).—**Gray, J.** The effect of egg-secrections on the activity of spermatozoa. *Brit. J. Exp. Biol.*, 1928, 5: 362-5.—**Guttmacher, A. F.** The sperm and the egg. In his *Human Sex Life*, N. Y., 1940, 33-56.—**Keiffer, H.** Le mécanisme de la fécondation humaine, de la progression des éléments sexuels dans le tractus ovaro-tubaire. *Bull. Acad. méd. Belgique*, 1938, 6. sér., 3: 435-44, pl.—**Lacerda, D. A.** Fecondação. *Med. cir. pharm.*, Rio, 1940, 95-9.—**Löwenstein, A.** Versuche über Beziehungen zwischen Eiern und Samenfäden bei Seeigeln. *Arch. Entw. mech.*, 1907, 24: 434-8.—**Portmann, A.** Die Nüchternbildung durch atypische Spermien bei *Buccinum undatum* L. *Zschr. Zellforsch.*, 1927, 5: 230-43. — Die Entstehung der Nüchtere bei *Purpura lapillus* durch atypische Befruchtung. *Ibid.*, 1930, 12: 167-78.—**Stefanelli, A.** Sui fenomeni respiratori in rapporto alla fecondazione nel *Bufo vulgaris*. *Boll. Soc. ital. biol. sper.*, 1938, 13: 475-7.—**Verda, D. J., Green, F. C., & Burge, W. E.** Evidence that the phosphorus of the spermatozoon is in part responsible for the increased metabolism of the ovum following fertilization. *Abstr. Internat. Physiol. Congr.*, 1929, 13. Congr., 274.

— artificial.

See also **Fecundation, artificial**.

DAVIS, F. P. Impotency, sterility, and artificial impregnation. 2. ed. 168p. 8°. S. Louis, 1923.

GAUTIER, J. La fécondation artificielle et son emploi contre la stérilité chez la femme. 2. éd. 112p. 12°. Par., 1930.

HAMMOND, J. Fecundación artificial. 24p. 23cm. B. Air., 1936.

ROHLEDER, H. Test tube babies; a history of the artificial impregnation of human beings. 248p. 8°. N. Y. [1934]

Artificial insemination. *Lancet*, Lond., 1936, 2: 1357. Also *Med. J. Australia*, 1941, 2: 119.—**Aza, V.** Algunos comentarios clínicos y sexuales sobre la fecundación artificial. *Dfa méd.*, B. Air., 1933-34, 6: 504.—**Babies, A.** [Experimental study of male genitals and the problem of artificial impregnation] *Orvostud. közl.*, 1941, 2: 4-9, pl.—**Beardsley, G. S.** Artificial cross insemination. *Tr. Pacific Coast Soc. Obst.* (1939) 1940, 9: 78-84.—**Bonadonna, T.** The work done on artificial insemination in Italy. *Proc. Internat. Genet. Congr.* (1939) 1941, 7. Congr., 73.—**Cary, W. H.** Experiences with artificial impregnation in treating sterility; report of 35 cases. *J. Am. M. Ass.*, 1940, 114: 2183-7.—**Castañedo, J. A.** La inseminación artificial ha dejado ya de ser un experimento. *Rev. san. mil.*, Habana, 1938, 2: 55.—**Chaler, A.** La fécondation artificielle. *Lyon méd.*, 1936, 158: 453-62.—**Chiaudancy, C.** La fecondazione artificiale nella sterilità da causa maschile. *Rass. stud. sess.*, 1930, 10: 36-41.—**Cohen, J.** Artificial insemination; report of cases. *N. Orleans M. & S. J.*, 1933, 85: 817-22. — Cervical discharge, sterility, artificial insemination. *Ibid.*, 1934, 86: 730.—**Douay, E.** Fécondation artificielle. *Gaz. méd. France*, 1930, 96-100.—**Fougerat de David de Lastours.** L'impregnation; essai d'étude expérimentale. *J. méd. Paris*, 1926, 45: 691.—**Fulconis, H.** De la fécondation artificielle. *Bull. Soc. obst. gyn. Paris*, 1937, 26: 470-2.—**Goldberg, A. T., & Schatz, M. M.** Artificial insemination. *California West. M.*, 1938, 49: 212.—**Guttmacher, A. F.** The role of artificial insemination in the treatment of sterility. *J. Am. M. Ass.*, 1942, 120: 442-5.—**Hirsch, J.** Schwangerschaft nach künstlicher Befruchtung. *Berl. klin. Wschr.*, 1912, 49: 1361-3. Also *Verh. Berl. med. Ges.* (1912) 1913, 43: 2. Teil, 293-9. [Discussion] 1. Teil, 225-30.—**Imerlishvili, J.** [Cases of artificial impregnation of women] *J. akush.*, 1933, 44: 380-4.—**Israel, S. L.** The scope of artificial impregnation in the barren marriage. *Am. J. M. Sc.*, 1941, 202: 92-8.—**Jeanency, G.** Fécondation artificielle et désensibilisation dans le traitement de la stérilité. *Gynécologie, Par.*, 1936, 35: 692.—**Macías de Torres, E.** La fecundación artificial. *Sem. méd.*, B. Air., 1927, 34: pt 2, 402-5.—**Mariscal, N.** La fecundación artificial. *Siglo méd.*, 1932, 90: 57-9.—**Martin, A.** Fecundación artificial. *An. ciene. méd.*, Madr., 1912, 3. ser., 7: 65.—**Meaker, S. R.** A further note on artificial insemination. *Boston M. & S. J.*, 1926, 195: 471-3.—**Mettenleiter, M.** Sperma und künstliche Befruchtung bei Mensch und Tier. *Arch. Gyn.*, Berl., 1925, 126: 251-90.—**Mosbacher, E.** Künstliche Befruchtung. *Allg. deut. Hebam. Ztg.*, 1925, 40: 349.—**Pirajá, O.** Fecundação artificial (sobre um caso de êxito) *Ann. paul. med. cir.*, 1933, 25: 131-4.—**Preda, V.** [Physiological epigenesis in artificial impregnation] *Cluj med.*, 1937, 18: 312-5.—**Schultze, G. K. F.** Künstliche Befruchtung; ihre Stellung im Gesamtahmen der Sterilitätsbehandlung. *Zbl. Gyn.*, 1941, 65: 988-1012.—**Seashore, R. T.** Artificial impregnation. *Minnesota M.*, 1938, 21: 641-4.—**Seymour, F. I.** Present status of knowledge concerning artificial impregnation (abstract) *Eugen. News*, 1936, 21: 104. — & **Koerner, A.** Artificial insemination; present status in the United States as shown by a recent survey. *J. Am. M. Ass.*, 1941, 116: 2747-9.—**Shidler, G. W.** Induced pregnancy. *West. M. Rev.*, 1910, 15: 644.—**Shorohova, A. A.** La fécondation artificielle dans l'espèce humaine. *Gyn. obst.*, Par., 1927, 15: 132-9.—**Stokes, W. R.** Artificial insemination. *Med. Ann. District of Columbia*, 1938, 7: 218. Also *Med. Surg. Suggestions*, Madras, 1939, 8: 317-9.—**Valtorta, F.** Considerazioni sulla fecondazione artificiale della donna. *Rass. ostet.*, 1938, 47: 295-9.—**Vignes, H.** La fécondation artificielle; ce qu'elle nous apprend sur la physiologie de la fécondation naturelle; ce qu'on pourrait lui demander dans le traitement de la stérilité. *Progr. méd.*, Par., 1929, 44: 1646-56.—**Walton, A., & Prawochenski, R.** An experiment in Eutelegensis. *J. Hered.*, 1936, 27: 341-4.

— artificial: Legal and moral aspects.

Abruzzese, G. Problemi ed aspetti morali, medici e giuridici della cura della sterilità con particolare riguardo alla fecondazione artificiale. *Riv. ital. gin.*, 1937, 20: 417-44.—**Artificial** insemination and illegitimacy. *J. Am. M. Ass.*, 1939, 112: 1832.—**Aza, V.** Algunos comentarios clínicos y sexuales sobre la fecundación artificial. *Rev. españ. obst.*, 1932, 17: 515-21.—**Guttmacher, A. F.** A physician's credo for artificial insemination. *West. J. Surg.*, 1942, 50: 357-9.—**Obiglio, J. R.** Consideraciones médico-legales sobre la fecundación artificial. *Rev. crim.*, B. Air., 1932, 19: 427-45.—**Sadi Fonso, F.** La

esterilidad y la fecundación artificial bajo el punto de vista social, científico y legal. Rev. méd. Rosario, 1935, 9: Suppl. 1; passim.—Seymour, F. I., & Koerner, A. Medical aspect of artificial insemination. J. Am. M. Ass., 1936, 107: 1531-4.

artificial: Technic.

Beardsley, G. S. Artificial cross insemination. West. J. Surg., 1940, 48: 94-100.—Biologist predicts babies may come from borrowed ova; mother might serve merely as incubator to infant from ideal parentage; present eugenics condemned. Science News Lett., 1936, 29: 228.—Grosser, O. The time of ovulation and the prognosis of artificial insemination. Am. J. Obst., 1927, 13: 356-61.—Gutmacher, A. F. Practical experience with artificial insemination. J. Contracept., 1938, 3: 75-7.—Hammond, J. Uterine grafts. Brit. J. Exp. Biol., 1926-27, 4: 349-56, 2 pl.—Kulagin, N. M. [Process of impregnation; experimental] Klin. med., Moskva, 1929, 7: 1467-75.—Lardy, H. A., & Phillips, P. H. The effect of certain inhibitors and activators on sperm metabolism. J. Biol. Chem., 1941, 138: 195-202.—Lifvendahl, R. A. Tubal pregnancy following uterine insemination. Am. J. Obst., 1933, 25: 733-5.—Mason, L. W. Artificial intrauterine insemination. Colorado M., 1929, 26: 86-9.—Selection (The) of donors for use in artificial insemination. Gradwohl Lab. Digest, 1942-43, 6: 5-7.—Stepita, C. T. Physiologic artificial insemination. Am. J. Surg., 1933, 21: 450.—Weisman, A. I. The selection of donors for use in artificial insemination. West. J. Surg., 1942, 50: 142-4.

artificial—in animals.

See also Breeding; Cattle breeding; Horse breeding; Hybridization.

FUCHS [R.] W. *Die Bedeutung der künstlichen Besamung der Rinder für die Bekämpfung der Deckinfektionen. 36p. 8°. Giessen, 1936.

HAMMOND, J. Fecundación artificial. 24p. 8°. B. Air., 1936.

HÖCKER, U. Beiträge zur Kenntnis der Sexualvorgänge des Karakulschafes im Hinblick auf die künstliche Besamung. p.29-77. 25cm. Berl., 1938.

Altara, I., & Adriano, P. La fecondazione artificiale nella lotta contro la sterilità delle bovine, osservazioni e rilievi sui primi esperimenti in Piemonte. Clin. vet., Milano, 1938, 61: Suppl., 34: 49.—Anderson, J. Artificial insemination of sheep and cattle. In Animal Breed. Internat. Genet. Congr., 1939, 7. Congr., 29. Also Proc. Internat. Genet. Congr. (1939) 1941, 7. Congr., 47.—Artificial insemination. Vet. Rec., Lond., 1942, 54: 297.—Avela, M. A. Apuntes sobre la fecundación artificial. Rev. zootéc., B. Air., 1930, 18: 19-24.—Beller, K. Künstliche Befruchtung in der Türkei. Münch. tierärztl. Wschr., 1935, 86: 541-4.—Berliner, V. R. Problems of artificial insemination in horse and mule production. J. Am. Vet. M. Ass., 1941, 98: 384-8.—Bonadonna, T. Nota preliminare sulla fecondazione artificiale dei bovini e la lotta contro la sterilità; osservazioni sul comportamento e sui risultati della fecondazione delle vacche. Clin. vet., Milano, 1937, 60: 267-74.—Osservazioni sui primi vitelli nati per fecondazione artificiale. Ibid., 1938, 61: Suppl., 9-14, 4 pl.

Esperimenti orientativi di fecondazione artificiale nei suini. Ibid., 19-28.—The work done on artificial insemination in Italy. In Animal Breed. Internat. Genet. Congr., 1939, 7. Congr., 26.—Burch, G. E. Artificial insemination in New York State dairy herds. Cornell Vet., 1939, 29: 395-406.—Cadéot, C. Stérilité et fécondation artificielle chez les bovidés. Rev. path. comp., Par., 1939, 39: 1-8.—Cady, D. L. Artificial impregnation in bitches. Vet. Med., Chic., 1933, 28: 198.—Control of the artificial insemination of livestock. Vet. Rec., Lond., 1942, 54: 217.—Dimock, W. W. Artificial insemination. North Am. Vet., 1934, 15: 22-8.—Escariz, R. La fecundación artificial. Rev. zootéc., B. Air., 1925, 12: 344-6.—Fuchs. Die Bedeutung der künstlichen Besamung der Rinder für die Bekämpfung der Deckinfektionen; vorläufige Mitteilung. Deut. tierärztl. Wschr., 1935, 43: 230.—Garlick, G. G. Transmission of bovine venereal trichomoniasis through artificial insemination. Vet. Med., Chic., 1939, 34: 43.—Gendreau, L. A. Artificial insemination of cattle. Canad. J. Comp. M., 1940, 4: 230-3.—Hadley, F. B. The pros and cons of artificial insemination of cattle. J. Am. Vet. M. Ass., 1942, 100: 62.—Hamilton, J. G. Artificial insemination of dairy cattle. Canad. J. Comp. M., 1940, 4: 323-8.—Heizer, H. E. Artificial insemination of cattle. M. S. C. Vet., East Lansing, 1941-42, 2: 126-8.—Henderson, J. A. Artificial insemination of cattle. North Am. Vet., 1940, 21: 92-4.—Hermanson, K. A. Artificial insemination of the bitch. Vet. J., Lond., 1935, 91: 15-7.—Huelguera, H. La fecondación artificial y las selecciones sexual y natural. Rev. zootéc., B. Air., 1935, 22: 11-7.—Kingman, H. E. Artificial insemination. J. Am. Vet. M. Ass., 1936, 88: 126-38.—The function of the veterinarian in the artificial insemination program. North Am. Vet., 1938, 19: No. 9, 29-33.—Küst. Die künstliche Besamung des Rindes. Ber. tierärztl. Wschr., 1936, 52: 805-8.—McIntosh, R. A. Artificial insemination in cows. Canad. J. Comp. M., 1942, 6: 239-41.—McNellis, R. Artificial impregnation. Vet. Bull., Wash., 1937, 31: 145-9.—

Marcusfy, L. [Artificial impregnation of animals] Allatorv. lap., 1939, 62: 183.—Marvell, A. The artificial insemination of stock. Vet. J., Lond., 1933, 89: 518-20.—Nelson, C. A. Practical application of artificial insemination in Danish cattle-breeding. North Am. Vet., 1941, 22: 32.—Nicholas, J. S. Experiments on developing rats; the induction of artificial pregnancy. Anat. Rec., 1942, 83: 457-70.—Olbrycht, T. Die künstliche Besamung, ihr Wert für die Tierzucht. Deut. tierärztl. Wschr., 1939, 47: 347.—Pommerehne, W. T. Effects of sperm injections into female rabbits. Physiol. Zool., 1928, 1: 97-121.—Prima adunata nazionale veterinaria per la fecondazione artificiale; Pavia, aprile XVII. Clin. vet., Milano, 1939, 62: Suppl., 1.—Ruiz Tello, C. La reproducción de la especie equina; notas liminares acerca de la ovulación, fecundación e inseminación artificial. Rev. mil. Perù, 1942, 39: 390-405.—Schuldenzucker, F. Ein Versuch mit künstlicher Befruchtung bei Edelfüchsen. Münch. tierärztl. Wschr., 1925, 76: 753-8.—Società (La) di allevatori per la fecondazione artificiale nel New Jersey. Clin. vet., Milano, 1938, 61: 91-4.—Tagliavini, A. Osservazioni sulla fecondazione artificiale nella cavalla. Ibid., 1939, 62: 625-30.—Teodorescu, N. Studies in artificial insemination of sheep. In Animal Breed. Internat. Genet. Congr., 1939, 7. Congr., 28. Also Proc. Internat. Genet. Congr. (1939) 1941, 7. Congr., 281.—Also Bull. Acad. roumain., 1939-40, 22: 215-9.—Terrill, C. E., & Gildow, E. M. Another experiment on long range paternity in sheep. J. Hered., 1938, 29: 77.—Walton, A. Agricultural physiology. Science Progr., Lond., 1933, 27: 598-601.—Wettengl, F. Ueber die Grenzen der Indikation zur künstlichen Befruchtung. Wien. tierärztl. Mschr., 1938, 25: 370-7.—Work on fatherless rabbits. Science News Letters, 1940, 37: 261.

artificial—in animals: Technic.

BÖTTCHER, H. Untersuchungen über die Verwendungsmöglichkeit von aufbewahrttem Bullensperma und von Samen trichomonadenkranker Tiere für die künstliche Besamung. 38p. 21cm. Bleicherode a. Harz, 1939.

FEILING, O. [L.] *Gewinnung und Untersuchung von Samen gesunder und kranker Bullen zum Zwecke der künstlichen Besamung des Rindes [Giessen] 80p. 8°. Birkenau i. Odw., 1935.

GREAT BRITAIN. IMPERIAL BUREAU OF ANIMAL GENETICS. The technique of artificial insemination. 56p. 8°. Edinb., 1933.

KUHNE, W. *Untersuchungen von Bullensperma auf Beschaffenheit und Eignung für die künstliche Besamung [Giessen] 79p. 8°. Butzbach (Obersachsen) 1936.

MÖCKEL, H. *Zur Physiologie des Ziegenbockspermas, im Hinblick auf die künstliche Besamung. 47p. 21cm. Lpz., 1937.

MOROSOFF, N. P. *Contribution à l'étude de la fécondation artificielle et de la conservation des spermatozoïdes chez les animaux domestiques [Alfort] 27p. 8°. Par., 1930.

SCHÖTTLE, R. *Zur Physiologie des Schafbockspermas (im Hinblick auf die künstliche Besamung) 56p. 8°. Lpz., 1936.

WEBER, H. *Zur Physiologie des Bullenspermas (im Hinblick auf die künstliche Besamung) 52p. 21cm. Lpz., 1936.

Black, D. J., & Scorgie, N. J. The collection of semen and artificial insemination in the domestic fowl. Vet. J., Lond., 1942, 98: 108-14, pl.—Blandau, R. J., & Jordan, E. S. A technique for the artificial insemination of the white rat. J. Lab. Clin. M., 1940-41, 26: 1361-3.—Bonadonna, T. L'accoppiamento artificiale ed il problema zootecnico nazionale. Clin. vet., Milano, 1935, 58: 808; 870.—Note preliminare sulla fecondazione artificiale dei bovini e la lotta contro la sterilità; il problema zootecnico ed il problema sanitario della fecondazione artificiale. Ibid., 1937, 60: 252.—Künstliche Besamung, gegenwärtiger Stand, Bedeutung, Technik. Deut. tierärztl. Wschr., 1939, 47: 537-43.—Storage and shipment of semen. Vet. Rec., Lond., 1939, 51: 999-1008.—& Mocchi, E. Costruzione ed attrezzamento dei locali per la fecondazione artificiale. Clin. vet., Milano, 1938, 61: 150; 161; 177.—Camici, D. Carriera produttiva di alcuni cavalli nati per fecondazione artificiale alla razza governativa di Persano. Ibid., Suppl., 68-73.—Easley, G. T., Mayer, D. T., & Bogart, R. Influence of diluters, rate of cooling, and storage temperatures on survival of bull sperm. Am. J. Vet. Res., 1942, 3: 358-63.—Edwards, J., & Walton, A. Problems of semen production related to artificial insemination. In Animal Breed. Internat. Genet. Congr., 1939, 7. Congr., 30.—Frank, A. H., Smith, C. A., & Eichhorn, A. Preliminary report on prolonging the viability of spermatozoa in vitro. J. Am. Vet. M. Ass., 1941, 99: 287.—Garcia Mata, E. La técnica de la insemina-

- ción artificial en los animales domésticos. *Rev. méd. vet.*, B. Air., 1936, 18: 623-49. — **Cano, A. E.** Inseminación artificial de ovinos en vasta escala; operaciones realizadas en 6,300 ovejas en un establecimiento de la provincia de Buenos Aires. *Ibid.*, 1941, 23: 208-31. — **Gildow, E. M.**, & **Terrill, C. E.** Artificial insemination of ewes with transported semen. *J. Am. Vet. M. Ass.*, 1938, 93: 157-9. — **Götze, R.** Ueber die neuen russischen Methoden der künstlichen Besamung bei Haustieren. *Deut. tierärztl. Wschr.*, 1933, 41: 801; 820. — **Spermage-winnung, Spermaprüfung und künstliche Besamung bei den Haustieren.** *Ibid.*, 1939, 47: 194-201. — **Hamilton, J. G.**, & **Symington, E. L.** Cooperative artificial insemination of dairy cattle. *Canad. J. Comp. M.*, 1939, 3: 337-40. — **Harrow, W. T.** A home-made bovine artificial vagina. *Vet. Rec.*, Lond., 1942, 54: 292. — **Henderson, J. A.** Artificial insemination under field conditions. *Cornell Vet.*, 1939, 29: 135-43. — **Hofmann, W.** Ueber die künstliche Besamung des Rindes. *Schweiz. Arch. Tierh.*, 1938, 80: 1-13. — **Die künstliche Besamung beim Rind in der tierärztlichen Praxis.** *Ibid.*, 1939, 81: 317-27. — **Hollingsworth, J.** The activation of Cumingia and Arbacia eggs by bivalent cations. *Biol. Bull.*, 1941, 81: 261-76. — **Ivanov, I.** L'insémination artificielle des mammifères en tant que méthode scientifique et zootechnique. *Bull. Acad. vét. France*, 1930, 3: 49-63. Also *Vet. Rec.*, Lond., 1930, 10: 25-30. — **Kafka, H.** Besamungsspritze für Schafe. *Deut. tierärztl. Wschr.*, 1939, 47: 376. — **Kelly, G. L.**, **Fulghum, C. B.** [et al.] Artificial insemination by way of the ovarian bursa in the guinea pig. *Surg. Gyn. Obst.*, 1929, 48: 200-3. — **Kissileff, A.** Artificial insemination of dairy cattle in private practice. *J. Am. Vet. M. Ass.*, 1940, 96: 309-15. — **Küst.** Beitrag zur Technik der künstlichen Besamung des Rindes. *Berl. tierärztl. Wschr.*, 1937, 53: 745. — **Landauer, W.** Russian methods of artificial insemination multiply sires' value. *J. Hered.*, 1933, 24: 87-92. — **Letard, E.** L'insémination artificielle chez les animaux domestiques. *Rec. méd. vét.*, 1935, 91: 683-713. — **Démonstration sur l'insémination artificielle chez quelques espèces animales.** *Ibid.*, 1937, 113: 716-26. — **Loessl, H.** The practical use of artificial impregnation. *Vet. Med.*, Chic., 1934, 29: 441-3. — **Makkovka, V. V.** [Appliances for effecting the fusion of the spermatozoid with the ovum in the vertebrates in artificial fecundation and their evolution in internal fecundation.] *Biull. eksp. biol. med.*, 1939, 7: 248-53; 8: 12-6. — **Miller, F. W.** The technique of artificial insemination with dairy cattle. *Cornell Vet.*, 1937, 27: 103-9. — **Evans, E. I.** Technique for obtaining spermatozoa for physiological dairy studies and artificial insemination. *J. Agr. Res.*, 1934, 48: 941-7. — **Miller, W. C.** Observations on the employment of artificial insemination as applied to British livestock breeding. *Vet. Rec.*, Lond., 1938, 50: 25-33. — **Olbrycht, T. M.** The Lwów methods of artificial insemination. In *Animal Breed. Internat. Genet. Congr.*, 1939, 7: Congr., 28. — **Phillips, P. H.** Preservation of bull semen. *J. Biol. Chem.*, 1939, 130: 415. — **Phillips, R. W.**, **Schott, R. G.** [et al.] Long range transportation of ram semen for use in artificial insemination. In *Animal Breed. Internat. Genet. Congr.*, 1939, 7: Congr., 27. — **Pincus, G.** The breeding of some rabbits produced by recipients of artificially activated ova. *Proc. Nat. Acad. Sc. U. S.*, 1939, 25: 557-9. — **Pribyl, E.** [Results of artificial insemination of cows with syringe in a sheath.] *Zver. obzor*, 1939, 32: zver. rozpr., 55-63. — [On the number of spermatozoa in the studhorse.] *Ibid.*, 1940, 33: zver. rozpr., 20-2. — **Quinlan, J.**, **Steyn, H. P.**, & **De Vos, D.** Observations on artificial insemination of sheep with fresh and stored semen. *Onderstepoort J. Vet. Sc.*, 1941, 16: 263-97. — **Quinn, J. P.**, & **Burrows, W. H.** Artificial insemination in fowls. *J. Hered.*, 1936, 27: 31-7. — **Rignett, S. L.** The technique of collection of semen and artificial insemination in bovines. *Vet. Rec.*, Lond., 1940, 52: 571-5. — **Roemmele, O.** Biologische und physiologische Untersuchungen am Sperma und am Scheidensekret des Rindes im Hinblick auf die künstliche Besamung. *Zool. Jahrb.*, Abt. allg. Zool., 1927, 44: 85-148. — **Rugh, R.** Effect on the embryo of x-radiation of the gametes, frog; developing technique for artificial insemination in mouse or rat in anticipation of comparable x-ray studies on mammals. *Yearb. Am. Philos. Soc.* (1939) 1940, 278. — **Russian** (The) method of artificial insemination. *North Am. Vet.*, 1934, 15: 19. — **Salisbury, G. W.** Recent research developments in the preservation and handling of bovine semen. *Cornell Vet.*, 1941, 31: 149-59. — **Willett, E. L.**, **Fuller, H. K.**, & **Salisbury, G. W.** Preservation of bovine spermatozoa in yolk-phosphate diluent and field results from its use. *Ibid.*, 1940, 30: 507-13.
- **Biology of ovum.**
- Blандау, R. J.**, & **Jordan, E. S.** The effect of delayed fertilization on the development of the rat ovum. *Am. J. Anat.*, 1941, 68: 275-91, 2 pl. — **Carter, G. S.** Iodine compounds and fertilisation; capacity for fertilisation in washed and unripe eggs of *Echinus esculentus* and *Echinus miliaris*. *J. Exp. Biol.*, Lond., 1932, 9: 238-48. — **Chambers, R.** The intrinsic expansibility of the fertilization membrane of echinoderm ova. *J. Cellul. Physiol.*, 1942, 19: 145-50. — **Chase, H. Y.** The origin and nature of the fertilization membrane in various marine ova. *Biol. Bull.*, 1935, 69: 159-84. — **Costello, D. P.** The fertilizability of nucleated and non-nucleated fragments of centrifuged *Nereis* eggs. *J. Morph.*, 1940, 66: 99-114. — **Florian, J.** [Development of decidua capsularis and its significance in the implantation of the human ovum] *Bratisl. lek. listy*, 1935, 15: 12-21. — **Gaifami, P. J.** Dimostrazione di un preparato d'inseminazione bassa primitiva dell'uovo. *Ginecologia, Fir.*, 1914, 11: 569-75. — **Harvey, L. A.** The history of the cytoplasmic inclusions of the egg *Ciona intestinalis* (L.) during oogenesis and fertilisation. *Proc. R. Soc. Lond.*, 1927, ser. B, 101: 136-62, 3 pl. — **Hermstein, A.** Neuere Untersuchungsergebnisse über die Frage des Eitransportes und der Eiwanderung. *Med. Klin.*, Berl., 1931, 27: 1024-8. — **Hertig, A. T.**, & **Rock, J.** On the 11-day pre-villous human ovum with special reference to the variations in its implantation site. *Anat. Rec.*, 1942, 82: 420 (Abstr.). — **Kagan, B. M.** The fertilizable period of the eggs of *Fundulus heteroclitus* and some associated phenomena. *Biol. Bull.*, 1935, 69: 185-201. — **Kedrov, V. K.** [Migration of the impregnated ovum in mares and cows] *Biull. eksp. biol. med.*, 1941, 11: 42-4. — **Krehbiel, R. H.** The effects of theelin on delayed implantation in the pregnant lactating rat. *Anat. Rec.*, 1941, 81: 381-92. — **Leloup, E.** La maturation et la fécondation de l'œuf de *Salpa fusiformis* Cuv. *Bull. Acad. Belgique*, 1929, 15: 461-78, 4 pl. — **Lichtenstern, G.** Ueber die Dauer der Eiwanderung beim Pferd. *Münch. tierärztl. Wschr.*, 1929, 80: 544. — **Luppov, A. N.** O nuzhzhom peredvizhenii yaitsa. *Sibirsk. vrach*, 1913-14, 1: 263; 287. — **Mascaretti, M.** Contributo critico-sperimentale alla migliore conoscenza delle condizioni che producono la migrazione indiretta dell'uovo. *Atti Accad. fisicor.* Siena, 1934, 11. ser., 2: 45-8. — **Mishin, S. N.** Bluzhdayushitsye yaitsa i zachatiye pri bryushnoi vodyanki. *Russk. vrach*, 1911, 10: 532-5. — **Morgan, T. H.** Do spermatozoa penetrate the membrane of self-inseminated eggs of *Ciona* and *Styela*? *Biol. Bull.*, 1942, 82: 455-60. — **Motomura, I.** Materials of the fertilization membrane in the eggs of echinoderms. *Sc. Rep. Tôhoku Univ.*, 1941, 4. ser., 16: 345-63, 2 pl. — **Pincus, G.** The comparative behavior of mammalian eggs in vivo and in vitro; the development of fertilized and artificially activated rabbit eggs. *J. Exp. Zool.*, 1939, 82: 85-129, 8 pl. — **Shapiro, H.** The comparative behavior of mammalian eggs in vivo and in vitro; further studies on the activation of rabbit eggs. *Proc. Am. Philos. Soc.*, 1940, 83: 631-47, 3 pl. — **Schechtman, A. M.** Mechanism of ingestion in the egg of *Triturus torosus*. *Proc. Soc. Exp. Biol.*, N. Y., 1934-35, 32: 1072. — **Schreiber, G.** Le ossidasi nella membrana di fecondazione delle uova di echino. *Boll. Soc. ital. biol. sper.*, 1929, 4: 1190-3. — **Sokolow, A. J.** Zur Frage der Spermatophorbefruchtung bei der Wanderheuschrecke (*Locusta migratoria* L.) das Weibchen. *Zschr. wiss. Zool.*, 1926, 127: 608-18. — **Sparapani, G.** Contributo clinico alla migrazione esterna dell'uovo. *Nuovo ercolani*, 1910, 15: 81. — **Tirelli, M.** Aumento viscoso reversibile in uova di *Arbacia aquiculata* (Blainv.) reso irreversibile dalla fecondazione. *Zschr. vergl. Physiol.*, 1931, 14: 742-5. — **Tyler, A.** Changes in volume and surface of urechis eggs upon fertilization. *J. Exp. Zool.*, 1932, 63: 155-73. — **Whitaker, D. M.** Extension of the fertilizable life of unfertilized urechis eggs by alcohol and by dextrose. *Ibid.*, 1937, 75: 155-67. — **Wintrebert, P.** La digestion de l'enveloppe tubaire interne de l'œuf par des ferments issus des spermatozoïdes, et de l'ovule, chez *Discoglossus pictus* Oth. *C. rend. Acad. sc.*, 1929, 188: 97-100.
- **Biology of spermatozoon.**
- BELONOSHKIN, B.** *Die Geschlechtswege von *Oktopus vulgaris* und ihre Bedeutung für die Bewegung der Spermatozoen. p.643-62. 8° Würzb., 1929.
- Also *Zschr. Zellforsch.*, 1929, 9:
- KURZROK, R.** *Biochemical studies of human semen and its relation to mucus of the cervix uteri [Columbia Univ.] 19p. 8° N. Y., 1927.
- WAHLIG, F.** *Zur Frage der äusseren Spermen-Ueberwanderung [Heidelberg] 36p. 8° Walldorf, 1928.
- Abraham, R.** Das Verhalten der Spermien in der weiblichen Bettwanze (*Cimex lectularius* L.) und der Verbleib der überschüssigen Spermamasse. *Zschr. Parasitenk.*, 1933-34, 6: 559-91. — **Ardelt.** Spermiaresorption bei gesunden und genital-kranken Frauen. *Arch. Gyn.*, 1933-34, 156: 357-61. — **Belonoshkin, B.** Das Verhalten der Spermatozoen zwischen Begattung und Befruchtung bei *Oktopus vulgaris*. *Zschr. Zellforsch.*, 1929, 9: 750-3. — **Biology and Klinik der Spermatozoen; experimentelle Untersuchungen am menschlichen Sperma ausserhalb des Körpers und im weiblichen Organismus.** *Arch. Gyn.*, Berl., 1939, 169: 151-83. — **Das Verhalten der menschlichen Spermatozoen im weiblichen Organismus.** *Münch. med. Wschr.*, 1939, 86: 847-50. — **Boas, K.** Konservierungsdauer von Stiersperma in der Scheide der Kuh. *Arch. Krim. Anthropol.*, 1914, 57: 373. — **Cary, W. H.** Duration of sperm cell migration in uterine secretions; preliminary report; maximum 80 hours. *J. Am. M. Ass.*, 1936, 106: 2221-3. — **Necro-sperma and viability of spermatozoa in the cervical canal.** *Ibid.*, 1937, 108: 1280. — **Comstock, R. E.** A study of the mammalian sperm cell; variations in the glycolytic power of spermatozoa and their relation to motility and its duration. *J. Exp. Zool.*, 1939, 81: 147-64. — **Evans, E. I.** The transport of spermatozoa in the dog. *Am. J. Physiol.*, 1933, 105: 287-93. — **Folk, G. E., jr.** The longevity of sperm in the female rat. *Anat. Rec.*, 1940, 76: 103-9, pl. — **Genclli, S.** Mechanism of transport of spermatozoa through uterus. *Skand. Arch. Physiol.*, Berl., 1937, 77: 28. — [The mechanism of the transport of spermatozoa through the female

genital tract] Nord. med., 1939, 2: 1779-84.—Green, W. W., & Winters, L. M. Studies on the physiology of reproduction in the sheep; the time of ovulation and rate of sperm travel. Anat. Rec., 1934-35, 61: 457-69, pl.—Hammond, J., & Asdell, S. A. The vitality of the spermatozoa in the male and female reproductive tracts. Brit. J. Exp. Biol., 1926-27, 4: 155-85.—Harkness, A. H. Sperm survival. Lancet, Lond., 1942, 2: 558.—Hartman, C. G. On the survival of spermatozoa in the female genital tract of the bat. Q. Rev. Biol., 1933, 8: 185-93.—& Ball, J. On the almost instantaneous transport of spermatozoa through the cervix and the uterus in the rat. Proc. Soc. Exp. Biol., N. Y., 1930-31, 28: 312-4.—Hühner, M. Necrospemia and viability of spermatozoa in the cervical canal. J. Am. M. Ass., 1936, 107: 1581.—Kaufmann, B. P., & Demerec, M. Utilization of sperm by the female *Drosophila melanogaster*. Am. Natur., 1942, 76: 445-69.—Sperm utilization in *Drosophila melanogaster* following single and multiple inseminations. Genetics, 1942, 27: 150.—Khreninger-Guggenberger, J. von. Experimentelle Untersuchungen über die vertikale Spermienwanderung. Arch. Gyn., Berl., 1933, 153: 64-6.—Krehbiel, R. H., & Carstens, H. P. Roentgen studies of the mechanism involved in sperm transportation in the female rabbit. Am. J. Physiol., 1939, 125: 571-7.—Kugota, T. Der Einfluss des Uterusastes in verschiedenen Perioden des oestrischen Zyklus auf die Lebensdauer der Spermatozoen. Zschr. Zellforsch., 1929, 9: 457-65.—Kurzrok, R., & Lieb, C. C. Biochemical studies of human semen; the action of semen on the human uterus. Proc. Soc. Exp. Biol., N. Y., 1930-31, 28: 268-71.—Kurzrok, R., & Miller, E. G., jr. Biochemical studies of human semen and the mucus of the cervix uteri. Ibid., 1926-27, 24: 670-2. Also Am. J. Obst., 1928, 15: 56-72.—Laffont, A., & Bourgalet, R. Sécrétions féminines et progression des spermatozoïdes dans les voies génitales. Bull. Soc. gyn., Obst., Paris, 1938, 27: 669-71.—Rapport entre l'action biologique des sécrétions cervicales et vaginales sur les spermatozoïdes et leur aspect cyto-bactériologique. Ibid., 1939, 28: 337.—Lamar, J. K., Shettles, L. B., & Delfs, E. Cyclic penetrability of human cervical mucus to spermatozoa in vitro. Am. J. Physiol., 1940, 129: 234-41.—Miller, E. G., jr., & Kurzrok, R. Biochemical studies of human semen; factors affecting migration of sperm through the cervix. Proc. Soc. Exp. Biol., N. Y., 1931, 28: 857-9. Also Am. J. Obst., 1932, 24: 19-26.—Mönnch, G. L. The longevity of the human spermatozoa. Ibid., 1939, 38: 153-5.—Munro, S. S. Functional changes in fowl sperm during their passage through the excurrent ducts of the male. J. Exp. Zool., 1938, 79: 71-92.—Ohlin, C. A. The duration of life of the spermatozoa in the human uterine tube. Acta obst. gyn. scand., 1935, 15: 50-7.—Parker, G. H. Ciliary currents in oviducts of turtles in relation to transportation of spermatozoa. Proc. Soc. Exp. Biol., N. Y., 1928-29, 26: 52.—Penetrability of mucus in the cervix uteri by spermatozoa. Yearb. Carnegie Inst. Washington, 1940, 39: 186.—Popa, G. T., & Marza, V. La phagocytose des spermatozoïdes vivants par les éléments cellulaires du tractus génital femelle de la même espèce. C. rend. Soc. biol., 1929, 101: 1185.—Phillips, R. W., & Andrews, F. N. The speed of travel of ram spermatozoa. Anat. Rec., 1937-38, 68: 127-32.—Quinlan, J., Maré, G. S., & Roux, L. L. A study of the duration of motility of spermatozoa in the different divisions of the reproductive tract of the merino ewe. Onderstepoort J. Vet. Sc., 1933, 1: 135-45.—Redenz, E. Das Verhalten der Säugetierspermatozoen zwischen Begattung und Befruchtung. Zschr. Zellforsch., 1929, 9: 734-49.—Rodolfo, A. The physiology of reproduction in swine; the semen of boars under different intensiveness of mating. Philippine J. Sc., 1934, 53: 183-203.—Rubenstein, B. B. Human sperm survival in vivo. Fed. Proc., Balt., 1942, 1: pt 2, 75 (Abstr.).—Seymour, F. I. Viability of spermatozoa in the cervical canal: preliminary report. J. Am. M. Ass., 1936, 106: 1728.—Shedlovsky, L., Belcher, D., & Levenstein, I. Titrations of human seminal fluid with acids and alkalis and their effects on the survival of sperm motility. Am. J. Physiol., 1942, 136: 535-41.—Simpson, S. L. Sperm survival. Lancet, Lond., 1942, 2: 499.—Sjövall, A. [The mucosal cycle in the cervix uteri and passage of the spermatozoa] Nord. med., 1939, 2: 1288-90.—Soderwall, A. L., & Blandau, R. J. The duration of the fertilizing capacity of spermatozoa in the female genital tract of the rat. J. Exp. Zool., 1941, 88: 55-64.—Start of human life shown by electron microscope pictures; problems of human sterility may also be solved with aid of pictures magnifying spermatozoa 27,000 times. Science News Lett., 1941, 39: 355.—Stemmer, W. Vegetative Wirkungen des Spermas im weiblichen Organismus. Med. Klin., Berl., 1940, 36: 1109 (Abstr.) (microfilm)—Szabuniewicz, B. [Mechanism of migration of the sperm in the genital tract of women] Polska gaz. lek., 1935, 14: 407.—Terni, T., & Malcei, O. Ueber das Eindringen von Spermatozoen in in-vitro-gezüchtete somatische Zellen. Arch. exp. Zellforsch., 1936-37, 19: 165-70, pl. Also Monit. zool. ital., 1937, 47: Suppl., 72-9.—Tuci, M. Sulla sopravvivenza degli spermii negli organi genitali femminili della Gambusia. Ibid., 1937-38, 48: 269-72.—V. Wie lange bleiben menschliche Spermatozoen im weiblichen Organismus lebensfähig? Zschr. ärztl. Fortbild., 1939, 36: 623.—Walton, A., Hammond, & Asdell. On the vitality of the spermatozoon in the male and female genital tracts and outside the body. Verh. Internat. Kongr. Sexforsch., 1927, 2: 217-9.—Walton, A., & Whetham, E. O. The survival of the spermatozoon in the domesticated fowl. J. Exp. Biol., Lond., 1933, 10: 204-11.—Watson, M. C. The effect of cervical secretions on the vitality of spermatozoa. Canad. M. Ass. J.,

1939, 40: 542.—Weisman, A. I. The endurance of spermatozoa within the vagina as compared with spermatozoal vitality outside of the body. Med. Rec., N. Y., 1939, 150: 87.—Williams, W. W., & Simmons, F. A. The intracervical survival of spermatozoa. Am. J. Obst., 1942, 43: 652-62.—Wimsatt, W. A. Survival of spermatozoa in the female reproductive tract of the bat. Anat. Rec., 1942, 83: 299-307, incl. pl.—Yochem, D. E. Spermatozoon life in the female reproductive tract of the guinea pig and rat. Biol. Bull., 1929, 56: 274-97.—A study of the motility and resistance of rat spermatozoa at different levels in the reproductive tract. Physiol. Zool., 1930, 3: 309-29.—Zalkind, S. [Penetration of spermatozooids into tissue cells] Priroda, Leningrad, 1938, 27: 97.

Pathology.

See also Reproduction, Pathology; Sterility.

Asdell, S. A., & Salisbury, G. W. The viability of spermatozoa in the abdominal epididymis and the failure of motile sperms to fertilize ova. Am. J. Physiol., 1941, 132: 791-5.—Ball, J. Frequent failure of a single insemination to activate the corpora lutea of the rat sufficiently for implantation of fertilized ova. Ibid., 1940, 130: 471-4.—Brufas, E. Nuevas orientaciones para el estudio de la esterilidad matrimonial y de algunos trastornos de la fecundación. Med. ibera, 1935, 29: pt 1, 345-9.—Dantschakoff, V. Stérilité de l'embryon résultant des troubles dans le mécanisme de transport des cellules génitales. C. rend. Soc. biol., 1932, 109, 860.—Seguy, J., & Vimeux, J. Contribution à l'étude des stérilités inexplicables; étude de l'ascension des spermatozoïdes dans les voies génitales brasses de la femme. Gyn. obst., Par., 1933, 27: 346-58.

IMPREGNATION [histological]

See also Gold impregnation; Histology, Technique; Silver impregnation; Staining, etc.

Achard, C., & Aynaud, M. Sur l'impregnation histologique par les précipités colorés. C. rend. Soc. biol., 1906, 61: 74.—Chatton, E., & Iwoff, A. Impregnation, par diffusion argentine, de l'infrastructure de ciliés marins et d'eau douce, après fixation cytologique et sans dessiccation. Ibid., 1930, 104: 834-6.—Lavrov, K. A. [Impregnation of objects by constant current] Tr. Gistol. konf., Moskva (1934) 1935, 1. Conf., 272-80.—Pastori, G. Sulla tecnica di impregnazione argentea delle sezioni incluse. Monit. zool. ital., 1929, 40: 42-7.—Visintini, F. Ricerche sperimentali e considerazioni teoriche sui fenomeni chimico-fisici delle impregnazioni istologiche. Riv. pat. nerv., 1931, 38: 667-7.

IMPRESA medica. Rio, v.15, 1939-

IMPRESSION [psych.]

See also Emotion; Judgment; Perception. For dental impression see Dentistry, Impression and moulds; for maternal impression see Fetus, Maternal impression.

Bertrand, A. Le mouvement psychologique; mémoire inédit de Maine de Biran sur les perceptions obscures ou sur les impressions générales affectives et les sympathies en particulier. Arch. anthrop. crim., Lyon, 1914, 29: 529-38; 651-85.—Lechner, K. Das Wesen der Impressionen und Revelationen. Wien. med. Wschr., 1914, 64: 2261; 2463.

IMPULSE [and impulsiveness]

See also Emotion; Instinct. For nerve impulse see Nerve, Conductivity. For cardiac impulse see under Heart.

Bender, L., & Schilder, P. Impulsions; a specific disorder of the behavior of children. Arch. Neur. Psychiat., Chic., 1940, 44: 990-1008.—Challman, R. C. An experimental study of resistance to impulse in normal and subnormal children of the same mental age. Abstr. Diss. Stanford Univ., 1935-36, 11: 176-8.—Dublineau, J., & Dorémieux. Le traitement par l'acétylcholine de certains troubles du caractère de l'enfance à type d'impulsivité. Ann. méd. psychol., Par., 1936, 94: pt 2, 99-102.—Rickman, J. On the nature of ugliness and the creative impulse; marginalia psychoanalytica. Internat. J. Psychoanal., Lond., 1940, 21: 294-313.—Rudert, J. Gezoogen- und Getriebenwerden, zwei Seiten unserer Triebregungen. Ber. Deut. Ges. Psychol. (1933) 1934, 13. Kongr., 167.

IMPULSIVE state.

See also Obsession; also under names of impulsions as Alcoholism, periodic; Exhibitionism; Kleptomania, etc.; also Psychoneurosis; Psychosis.

MEDIONI, A. *Instinct d'imitation et impulsions morbides. 122p. 8°. Par., 1926.

Aiginger, J. Ueber psychische Zwangsphänomene bei Hirnkranken und einen hirnpfysiologischen therapeutischen Weg. Psychiat. neur. Wschr., 1934, 36: 481; 498.—Ameline.

Considérations sur la psycho-physiologie des obsessions et impulsions dégénératives. C. rend. Congr. internat. psychol. (1900) 1901, 4. Congr., 572-8.—**Assad Hakim**. Impulsivité à mordre et à pincer les joues post-encéphalitique. Rev. prat. mal. pays chauds, 1938, 18: 287.—**Bagby, E.** A compulsion and its motivation. J. Abnorm. Psychol., 1926-27, 22: 8-11.—**Bartemeier, L. H.** A counting compulsion; a contribution to the unconscious meaning of time. Internat. J. Psychoanal., Lond., 1941, 22: 301-9.—**Benon, R.** Obsessions morbides et violences. Bull. méd., Par., 1934, 48: 219-22.—**Bolten, G. C.** [Case of impulsive insanity] Ned. tschr. geneesk., 1928, 72: pt 1, 1246-52.—**Bresowsky, M.** Zur Frage des sogenannten impulsiven Irreseins. Mschr. Psychiat., 1934-36, 90: 113-32.—**Carp, E. A. D. E.** [Impulsive neurosis: 5 cases] Ned. tschr. geneesk., 1928, 72: pt 1, 511-9.—**Colapietra, F.** Sulle condizioni clinico-patogenetiche dell'impulsività negli infermi di mente. Ann. Osp. psichiat. Perugia, 1934, 28: 15-20.—**Eliasberg, W.** Das Zwangserlebnis und der soziale Zwang. Zschr. ges. Neur. Psychiat., 1930, 126: 417-24.—**Epstein, J.** Bemerkungen über die Bedeutung des Jus talionis im Aufbau der Neurose und über die Existenz einer archaischen Ethik. Zschr. Sexwiss., 1927-28, 14: 193-201.—**Ewald, G.** Ueber Drangzustände. Mschr. Psychiat., 1931, 78: 42-9.—**Faraone, A.** Un raro caso di ossessione impulsiva. Gior. med. mil., 1936, 84: 1207-9.—**Gordon, A.** Medico-legal aspects of morbid impulses. Virginia M. Month., 1926-27, 53: 16-22.—**Hermann, I.** Randbemerkungen zum Wiederholungszwang. Internat. Zschr. Psychoanal., 1922, 8: 1-13.—**Herschmann, H.** Zur forensisch-psychiatrischen Beurteilung krankhafter Triebhandlungen. Arch. Psychiat., Berl., 1930, 91: 750-66.—**Hirschmann, E.** Todesangst durch Tötungsdrang, ein neurotischer Mechanismus. Zschr. Kinderpsychiat., Basel, 1936-37, 3: 165-9.—**Isaacs, S.** Bad habits. Internat. J. Psychoanal., Lond., 1935, 16: 446-54.—**Kehrer, F.** Ueber hyperkinetische (choreiforme) seelische Zwangszustände. Zschr. ges. Neur. Psychiat., 1938, 161: 491-3.—**Levi, L.** Impulso a mordere e psiconeurosi nell'infanzia. Arch. antrop. crim., Tor., 1930, 4. ser., 50: 543-59.—**Lofthus, J.** [Case of impulsive mental disorders] Norsk mag. lægevid., 1928, 89: 388-403.—**Meagher, J. F. W.** Crime and insanity; the question of premeditation; the case of Caruso, the murderer of Doctor Pendola. Long Island M. J., 1927, 21: 517-26. Also Med. Leg. J., N. Y., 1927, 44: 102-14.—**Miller, E.** Obsessional and compulsive states in childhood. In Surv. Child Psychiat. (R. G. Gordon) Lond., 1939, 106-14.—**Myšliveček, Z.** Une impulsion de forme rare. Rev. neur., Par., 1934, 41: pt 2, 367.—**Pilecz, A.** Zur Begutachtung von krankhaften Triebhandlungen. Wien. med. Wschr., 1938, 88: 37-9.—**Porot, A., & Arriél, D. C.** L'impulsive criminelle chez l'indigène algérien; ses facteurs. Ann. méd. psychol., Par., 1932, 90: pt 2, 588-611.—**Raviart, Vullien, & Nayrac.** Considérations sur les obsessions-impulsions inémotives. C. rend. Congr. alién. neur. France, 1923, 27. Congr., 145-51.—**Revaulet d'Allennes, G.** Les hétéro-impulsions. Ann. méd. psychol., Par., 1927, 85: pt 2, 414-22. Also Rev. crim., B. Air., 1927, 14: 462-70.—**Rojas, N.** La obsesión impulsiva delictuosa. Dia méd., B. Air., 1931, 4: 133.—**Ronge, P. H.** [Impulsive gluttony and theft] Geneesk. gids, 1932, 10: 269-77.—**Schaefer, H.** Ueber corticale Nacherregungen und Zwangserregungen. Zschr. ges. Neur. Psychiat., 1932, 140: 565.—**Schiller, P. von.** Eine Erhebung über Nervosität; zur Phänomenologie der Handlungsantriebe. Zschr. angew. Psychol., 1935, 49: 234-52.—**Schlesinger, B.** Zwangshandlungen und Religionsübung. Jahrb. Psychiat. Neur. Wien, 1926, 45: 63-79.—**Steiner, G.** Von Zwangserscheinungen bei organisch Nervenkranken. Zschr. ges. Neur. Psychiat., 1930, 128: 515-27.—**Stenberg, S.** [Impulsive insanity and basal ganglia] Sven. läk. säll. handl., 1927, 53: 70-9.—**Wiersma, D.** [Development of impulsive phenomena in a sentimental subject] Psychiat. neur., Amst., 1929, 33: 276-87

IMRE, József, 1851-1933.

Dollinger, G. [Obituary] Orvosképzés, 1933, 23: 765-7, portr.—**Grósz, E.** [Obituary] Orv. hetil., 1933, 77: 817.—**László, J. E.** [Biography] Mschr. ungar. Med., 1934, 8: 9, portr.

IMRIE, David, 1888-1938.

Obituary. Vet. J., Lond., 1939, 95: 57-61, portr.

IMRIE, David A. *L'infection des dents et des os maxillaires; son interprétation radiographique et macroscopique, avec un cas d'ostéite déformante. 24p. 4 pl. 8°. Lausanne, Impr. La Concorde, 1927.

IMSEL, Karl, 1904— *Indikation und Technik der Sterilisierung des Weibes. 50p. 8°. Bresl., A. Schreiber, 1933.

IMUS, Henry Alfred, 1903—

See **Bender, I. E., Imus, H. A.** [et al.] Motivation and visual factors. 369p. 24cm. Hanover, N. H., 1942.

INANITION.

See also **Beriberi; Cachexia; Deficiency disease; Edema, nutritional; Famine; Fasting; Malnutrition; Starvation, etc.**

MILLER, S. P. *The effects of inanition upon the stomach and intestines of albino rats underfed from birth for various periods [Univ. Minnesota] 16p. 8°. Minneap., 1923.

Balli, A. Osservazioni biologiche sulla inanizione nel Bombyx mori L. Riv. biol., 1938, 25: 235-56, tab.—**Berri, P.** L'anisocitosi dei globuli rossi nell'inanizione prolungata; contributo allo studio della formula eritrocitometrica. Minerva med., Tor., 1927, 7: 397-405.—**Biel, W. C.** The effects of early inanition on a developmental schedule in the albino rat. J. Comp. Psychol., 1939, 28: 1-15.—**Bonciu, C.** Contribution à l'étude de la réaction péritonéale chez les cobayes inanités après injection de globules rouges étrangers. C. rend. Soc. biol., 1926, 95: 415.—**Apparition et variations de l'hémolyse chez les animaux inanités.** Ibid., 416.—**Chénier, G.** Un cas d'autophagisme; guérison. Bull. Soc. centr. méd. vét., Par., 1922, 75: 140.—**Clark, G.** The effects of inanition on temperature regulation. Am. J. Physiol., 1938, 122: 646-9.—**D'Ancona, U.** Studi sull'inanizione; l'azione del lunge digiuno sulle cellule e sui tessuti. Am. J. Anat., 1927, 39: 135-85. — Conclusioni che si possono trarre dall'osservazione del comportamento delle microfibrille nell'inanizione. Boll. Soc. ital. biol. sper., 1927, 2: 148-50.—**Dembowski, W. S.** Körperorganisation von Stylychnia mytilus beim Hungern. Arch. Protistenk., 1938, 91: 89-105, pl. Also C. rend. Soc. biol., 1939, 130: 565-7.—**Devaux, E.** Des animaux en état de jeûne chronique et le mécanisme de la régénération et de la métamorphose. Rev. gén. sc. pur., 1926, 37: 669-74.—**Egoroff, A., Gall, W. J.** [et al.] Regeneratives Bild der Hämopoese nach 50tägigem vollständigen Hungern eines Menschen. Fol. haemat., Lpz., 1934-35, 53: 155-65.—**Elliott, C. A., & Nadler, W. H.** Inanition. Med. Clin. N. America, 1937-38, 21: 75-87.—**Emmel, V. E., & Streicher, M. H.** Leucocyte reaction to acute inanition. Fol. haemat., Lpz., 1929-30, 39: 223-39.—**Falik, E., & Bielinski, Z.** Recherche sur le diamètre des globules rouges; variations pendant l'inanition. C. rend. Soc. biol., 1931, 108: 161-4.—**Fatta, G., & De Mundula, S.** Le cours de l'inanition absolue chez le Caralus morbillosus à la lumière diffuse et dans l'obscurité. Arch. ital. biol., 1908, 49: 65-78.—**Filippi, F.** Ricerche sperimentali sul passaggio dei germi in circolo e sull'influenza della luce nella cavia e nel piccione soggetti ad inanizione acuta. Boll. Soc. eustach., 1931, 29: 241-56.—**Finucci, V.** Sul processo di reazione infiammatoria e sulla rigenerazione dell'epitelio della cornea in animali in inanizione. Arch. sc. med., Tor., 1935, 60: 69-72.—**Florkin, M.** L'abaissement cryoscopique du milieu intérieur de l'anodonte au cours d'une inanition prolongée. Bull. Acad. Belgique, 1938, 5. ser., 24: 24-8.—**Gerundo, M.** Insufficienza alimentare; prova sperimentale dell'inanizione. Arch. biol., Genova, 1930, 7: No. 3, 47-57.—**Goldner, J.** Sur le sort des cellules adipeuses durant l'inanition. C. rend. Soc. biol., 1934, 115: 1331-4.—**Jackson, C. M.** Recent work on the effects of inanition and malnutrition on growth and structure. Arch. Path., Chic., 1929, 7: 1042; 8: 81; 273. — Inanition. Contr. Dep. Anat. Univ. Minnesota, 1934-35, 14: No. 15. Also in Cyclop. Med. (Piersol-Bortz) Phila., 1939, 7: 677-721.—**Kalaja, I.** Histologische Untersuchungen über den Einfluss des A-Vitamins, der B-Vitamine sowie der Inanition auf die Knochen der Ratten. Acta Soc. med. Duodecim, 1939, Ser. A, 21: No. 12, 1-148, 5 pl.—**Kepner, W. A., & Jester, P. N.** The reaction of hydra to inanition. Biol. Bull., 1927, 52: 173-84, pl.—**Kopeck, S.** L'administration des tissus d'organismes morts d'inanition peut-elle exercer un effet sur le développement des animaux? C. rend. Soc. biol., 1933, 112: 1459.—**Kremer, J.** Muskelzerfall und Kernvermehrung im extremen Hungerzustande. Virchows Arch., 1929-30, 274: 729-77. — Die fortlaufenden Veränderungen der Amphibienleber im Hungerzustande. Zschr. mikr. anat. Forsch., 1932, 28: 81-157, 3 pl.—**Kuch, M., & Lazarovich-Hrebjanovich, M. von C.** Die histologischen Veränderungen der Fettgewebe im Hunger. Arch. exp. Path., Berl., 1935, 179: 191-9.—**Langfeld, H. S.** Supplementary report of the effect of a prolonged fast. Psychol. Bull., 1914, 11: 65.—**Laskowski, M.** Sur la toxicité présumptive du sang des animaux soumis à l'inanition. C. rend. Soc. biol., 1933, 112: 1461-3.—**Lilleland, O.** Duration of life without food in Drosophila pseudoobscura. Biol. Bull., 1938, 74: 314-8.—**McLennan, C. E., & Jackson, C. M.** Weights of various organs in the adult rat after inanition with or without the dietary accessories. Arch. Path., Chic., 1933, 15: 636-48.—**Maluf, N. S. R.** The longevity of insects during complete inanition. Am. Natur., 1939, 73: 280-5.—**Meiklejohn, A. P., Passmore, R., & Peters, R. A.** Further observations showing the independence of B₁ deficiency and general inanition. Sunti Congr. internaz. fisiol., 1932, 14. Congr., 177.—**Miller, S. P.** Effects of inanition on the stomach and intestines of albino rats underfed from birth for various periods. Arch. Path., Chic., 1927, 3: 24-41.—**Mouriquand, G., & Leulier, A.** De la résistance des organismes aux différents modes d'inanition. Bull. Acad. méd., Par., 1928, 3. ser., 100: 1074-6.—**Nichita, G., & Cretzu, V.** Etude de l'inanition alimentaire pour quelques races de poules. C. rend. Soc. biol., 1936, 121: 1221-3. — Etude de l'inanition absolue pour quelques races de poules. Ibid., 1223-6.—**Palma, J.** Chronic inanition. Proc. Clin. Honolulu, 1936, 2: No. 6, pt 2, 1.—**Parodi, U., & Schillaci, G.** Sul comportamento del tessuto linfatico nella inanizione acuta e protratta (con particolare riguardo alla struttura ed al significato funzionale del follicolo secondario) Boll. Soc. ital. biol.

sper., 1927, 2: 591-3.—**Podkopaev, N. A.** [Effect of extra-cardial nerves upon the volume of loss of cardiac weight in dogs in complete starvation] *J. Physiol. USSR*, 1936, 20: 277-80.—**Randoin, L., & Lecoq, R.** Sur les effets d'une inanition partielle avec une très forte proportion de glucose pur dans la ration et avec un grand excès de vitamine B. *C. rend. Soc. biol.*, 1932, 110: 933.—**Schillaci, G.** De la façon de se comporter du tissu lymphatique dans l'inanition aiguë et prolongée par égard particulier à la structure et à la signification fonctionnelle du follicule secondaire. *Arch. ital. biol.*, 1928, 80: 154-60.—**Schultz, F. W., Hastings, A. B., & Morse, M.** Changes in certain blood constituents produced by partial inanition and muscular fatigue. *Am. J. Physiol.*, 1933, 104: 669-76.—**Solarino, G.** Sulla possibilità di ottenere fenomeni di avitaminosi nel corso dell'inanizione. *Riv. pat. sper.*, 1936, 17: 1-4.—**Lenzi, S.** Riserva di fattore antineuritico e decorso dell'inanizione nel colombo. *Ibid.*, 16: 365-72.—**Szörényi, I.** Deutung und Folgen der Veränderung in der Körperzusammensetzung kleiner, an Hunger oder Unterernährung verwendeter Tiere. *Biochem. Zschr.*, 1927, 183: 350-61.—**Tarsitano, F.** Erosioni emorragiche dello stomaco nella morte per inanizione acuta. *Zacchia*, 1939, 2, ser., 3: 200-11.—**Teissier, G.** Différence sexuelle dans la résistance à l'inanition de *Tenebrio molitor*. *C. rend. Soc. biol.*, 1934, 115: 791-3.—**Terroine, E. F., Brenckmann, E., & Feuerbach, A.** Identité de composition des organismes de même espèce lors de la mort par inanition. *C. rend. Acad. sc.*, 1922, 175: 1112-4.—**Van Liere, E. J., & Sleeth, C. K.** The effect of prolonged inanition on the heart weight/body weight (HW/BW) ratio in the mammal. *Am. J. Physiol.*, 1936, 116: 635-7.—**Vaudin, L., Javillier, M.** [et al.] Contribution à l'étude chimique du foie dans l'inanition. *Bull. Soc. chim. biol., Par.*, 1930, 12: 894-902.—**Vetter, J.** Ueber das Verhalten der basale körnigen Zellen bei hungernden Tieren (Meerschweinchen, weisse Ratten und weisse Mäuse). *Zschr. mikr. anat. Forsch.*, 1938, 43: 623-32.—**Vieweger, J.** Recherches sur l'inanition de *Colpidium colpoda* Ehrh. *Arch. biol., Liège*, 1925, 34: 479-506.—**L'influence de l'inanition sur la composition chimique des anguilles.** *Arch. internat. physiol., Liège*, 1928-29, 30: 133-47.—**Zotta, G., & Ionescu, C.** Sur l'inversion de la formule leucocytaire dans l'inanition. *Arch. roumain. path. exp., Par.*, 1929, 2: 275-90.—**Zylberszac, S.** Sur la pigmentation du foie de *Rana fusca* femelle en inanition expérimentale. *Arch. anat. micr., Par.*, 1938, 34: 277-305, pl.

Death.

Brioso Vasconcelos, A. Un caso curioso de muerte por inanición. *A. M. M., Méx.*, 1925, 3: 750-2.—**Choy (To Sai) P. D.** The influence of vitamin C on the hunger death. *Jap. J. M. Sc.*, 1939-40, 3: Proc. Soc. Med. & Hyg., 194.—**Exemples remarquables de suicide par abstinence.** *Gaz. san., Par.*, 1834, 3: 176-80.—**Giaja, J., & Gelinec, S.** Sur les causes de la mort par inanition. *C. rend. Soc. biol.*, 1935, 119: 641-3.—**L., P.** Un cas de mort par inanition progressive consécutive à un régime carencé systématique. *Concours méd.*, 1940, 62: 1362.—**Macfie, R. C.** Death from starvation. *Hospital, Lond.*, 1920-21, 69: 99.—**Salamanca, E. de.** La muerte súbita en la inedia. *Medicina, Madr.*, 1942, 10: pt 2, 253-63.—**Teissier, G.** La perte de poids de *Tenebrio molitor* L. lors de la mort par inanition ne dépend pas de la température. *C. rend. Soc. biol.*, 1928, 99: 602.—**Vedder, E. B., & Chinn, A. B.** Beriberi or inanition? the effect of starvation, with and without vitamin B₁. *Am. J. Trop. M.*, 1938, 18: 469-75.

Endocrine aspect.

Blumenthal, H. T., & Loeb, L. Two antagonistic effects of underfeeding on the adrenal cortex of the guinea pig. *Am. J. Path.*, 1942, 18: 615-31, incl. 2 pl.—**Chirife, A.** Effetti dell'inanizione grave e prolungata sui caratteri e funzioni sessuali del gallo. *Boll. Soc. ital. biol. sper.*, 1931, 6: 987-9. Also *Arch. fisiol., Fir.*, 1932-33, 31: 250.—**Martino, G.** Effetti dell'inanizione sui caratteri sessuali del gallo. *Boll. Soc. biol. sper.*, 1926, 1: 279-82.—**Mulinos, M. G., & Pomerantz, L.** Hormonal influences on the weight of the adrenal in inanition. *Am. J. Physiol.*, 1941, 132: 368-74.—**Mulinos, M. G., Pomerantz, L.** [et al.] Estrus-inhibiting effects of inanition. *Proc. Soc. Exp. Biol., N. Y.*, 1939, 40: 79-83.—**Stefko, W.** Pathologie der Thymus- und Schilddrüse bei Inanition. *Krankheitsforschung*, 1931, 9: 70-80.—**Watrin, J.** Modifications du pancréas et de l'intestin grêle chez le rat inanitié. *C. rend. Soc. biol.*, 1924, 91: 788-90.—**Werner, S. C.** Failure of gonadotropic function of the rat hypophysis during chronic inanition. *Proc. Soc. Exp. Biol., N. Y.*, 1939, 41: 101-5.—**Whitehead, R.** The fat of the adrenal cortex in fasting guinea-pigs and rabbits. *J. Path. Bact., Lond.*, 1942, 54: 169-76, 2 pl.

Metabolism and nutrition.

WEICKERT-MEYER, G. *Beiträge zur Kenntnis des Hungerstoffwechsels [Münster] 16p. 8°. Berl., 1933.

Axenoff, W. Ueber den Einfluss von Wasserentziehung und Wasseraufnahme auf den Stoffwechsel beim Hungern. *Zschr. Biol.*, 1930, 90: 50-6.—**Baltaceanu, G., & Vasiliu, C.** La relation entre le débit biliaire et urinaire dans l'inanition. *C. rend. Soc. biol.*, 1936, 123: 846-8.—**Benedict, F. G.** Metabo-

lism during inanition. *N. York M. J.*, 1907, 86: 527-36.—**Bierry, H.** Glycogène réserves glucidiques, chez l'animal en inanition. *C. rend. Acad. sc.*, 1930, 190: 649-51.—**Gouzon, B., & Magnan, C.** Inanition et réserves glucidiques. *C. rend. Soc. biol.*, 1936, 123: 760-2.—**Boy, G.** La répartition des représentants urinaires du métabolisme azoté et sa signification physiologique: l'inanition. *Bull. Soc. chim. biol., Par.*, 1934, 16: 1009-106.—**Friedemann, T. E.** The starvation ketosis of a monkey. *Proc. Soc. Exp. Biol., N. Y.*, 1926-27, 24: 223-6.—**Giaja, J., & Males, B.** Le métabolisme de sommet au cours de l'inanition. *C. rend. Soc. biol.*, 1926, 94: 226.—**Holt, L. E., jr., & Kajdi, C. N.** Nutritional requirements in inanition. *Am. J. Dis. Child.*, 1939, 58: 669.—**Martini, R., & Bonsignore, A.** Comportamento dell'acido ascorbico dei tessuti nell'inanizione. *Boll. Soc. ital. biol. sper.*, 1935, 10: 60-2. Also *Arch. sc. biol., Bologna*, 1935-36, 21: 167-74.—**Mouriquand, G., & Leulier, A.** Inanition et cholestérine du sang et de quelques organes chez le cobaye. *C. rend. Soc. biol.*, 1926, 94: 533. — A propos du métabolisme des glucides dans l'inanition. *Ibid.*, 1928, 98: 125. — Recherches expérimentales sur le métabolisme des glucides à l'état normal et au cours de l'inanition. *Ibid.*, 1110-3.—**Sédallian, P.** Inanition totale ou partielle et réserve alcaline. *Ibid.*, 1927, 97: 763.—**Mouriquand, G., Leulier, A.** [et al.] Contribution à l'étude du terrain en pathologie; recherches biochimiques sur le terrain inanitié. *Paris méd.*, 1928, 67: 406-11.—**Przylecki, S. J., & Opienska, J.** Le métabolisme chez les grenouilles inanitiées et après une nourriture composée de graisses. *Bull. internat. Acad. polon. sc.*, 1926, ser. B., sc. natur., 293-314.—**Shaternikov, M.** [Nitrogen equilibrium and deposit of protein in the organism after inanition] *Russ. klin.*, 1929, 12: 860-5.—**Sinclair, R. G.** Effect of inanition on the phospholipid fatty acids of the rat. *Proc. Soc. Exp. Biol., N. Y.*, 1928-29, 26: 795.—**Slowtsoff, B.** Der Hungerstoffwechsel der Eidechsen; Beiträge zur vergleichenden Physiologie des Hungerstoffwechsels. *Beitr. wiss. Med. Chem. Festschr. E. Salkowski, Berl.*, 1904, 365-74.—**Süsskind, B.** Ein Stoffwechselversuch bei knapper Ernährung. *Zschr. ges. exp. Med.*, 1930, 72: 119-22.—**Synephas, S.** La participation relative des protides et des lipides à la couverture des dépenses énergétiques dans l'inanition. *Bull. Soc. chim. biol., Par.*, 1937, 19: 1037-58.—**Terroine, E. F., & Barthélémy, H.** Influence de la température sur la consommation des réserves au cours de l'inanition. *Arch. internat. physiol., Liège*, 1922, 19: 88-102. — Avitaminose et inanition. *Ibid.*, 1922-23, 20: 62-78.—**Terroine, E. F., Feuerbach, A., & Brenckmann, E.** La composition globale des organismes dans les carences et surcharges diverses: inanition absolue, inanition hydrique, inanition protéique, inanition minérale, avitaminose, surcharge protéique. *Ibid.*, 1923-24, 22: 233-58.—**Terroine, E. F., & Szics, F.** Influence de l'inanition (inanition complète et inanition azotée) sur le taux des protides et des corps puriques chez les microorganismes. *Ann. physiol., Par.*, 1930, 6: 157-77.—**Terroine, E. F., Trautmann, S., & Schneider, J.** Grandeur des échanges au cours de l'inanition chez les homéothermes et notion de masse active. *Ibid.*, 1926, 2: 468-87.—**Tiba, M.** Ist die Vergrösserung der Nebennieren bei Inanition durch Vitamin B-Mangel bedingt? *Tohoku J. Exp. M.*, 1938, 33: 85-106.—**Valla, S.** La physiologie des lipides et des stérols dans l'inanition complète et l'inanition protéique. *Bull. Soc. chim. biol., Par.*, 1935, 17: 1715-40.—**Vogt-Möller, P.** On the glyoxalase-coenzyme ratio in liver tissue in inanition. *Biochem. J., Lond.*, 1931, 25: 1540-2.—**Wendt, H.** Lipidstoffwechselstudien am Hungertier. *Klin. Wschr.*, 1928, 7: 2183-5.—**Witsch, K.** Untersuchungen über die Organveränderungen und das Stoffwechselgeschehen im Hungerzustand. *Arch. ges. Physiol.*, 1926, 211: 185-212.

Nervous system.

Andrew, W. Metamorphosis of the nucleus of the neuron in inanition due to prolonged starvation. *Arch. Path., Chic.*, 1940, 29: 723. — Phagocytic activity of the oligodendroglia and amphyocytes in the brain, spinal cord, and semilunar ganglion of the mouse during inanition. *Am. J. Path.*, 1941, 17: 421-36, 2 pl.—**Carey, E. J.** Morphologic effects of acute inanition on motor end plates. *Proc. Soc. Exp. Biol., N. Y.*, 1942, 50: 155-9.—**Elfmoff, M.** Inanitionspsychose nach einer Fastenkur. *Schweiz. med. Wschr.*, 1940, 70: 260-2.—**Ferraro, A., & Roizin, L.** Cerebral histologic changes in acute experimental inanition in cats. *J. Neuropath.*, 1942, 1: 81-99.—**Palladin, A., & Bjeljaewa, W.** Zur Frage der Aminogenese in der grauen und weissen Gehirnschicht im Hungerzustand; Versuche am Kaninchengehirn. *Zschr. physiol. Chem.*, 1924, 141: 33-9.—**Rezza, A.** Contributo alle lesioni nervose nella morte per inanizione. *Gior. internaz. sc. med.*, 1908, n. ser., 30: 1026-32.—**Stefanowska, M.** La grande hypnose chez les grenouilles en inanition. *Trav. Lab. physiol. Inst. Solvay, Brux.*, 1902, 5: 185-227, pl.—**Tanak, H.** Studies on the glycogen in the central nervous system of some mammals; effects of inanition upon the glycogen content. *Sei i kwai M. J.*, 1929, 48: No. 2, 4.—**Urechia, C. I., & Mihalescu, S.** Les noyaux végétatifs du tuber dans l'inanition. *C. rend. Soc. biol., Par.*, 1926, 94: 1297.

INBAU, Fred Edward. Lie detection and criminal interrogation. vii, 142p. illust. diagr. 24cm. Balt., Williams & Wilkins co., 1942.

INBERG, K. R. *Experimentelle Beiträge zur Frage der Entstehung von Pseudarthrosen. 133p. 14 pl. 8°. Hels., 1931.

Also Acta Soc. med. Duodecim, 1930-31, 13: ser. B

INBREEDING.

See also **Breeding; Consanguinity; Endogamy; Marriage.**

CHAPEAUROUGE, A. DE. Einiges über Inzucht und ihre Leistung auf verschiedenen Zuchtgebieten. 98p. 4°. Hamb., 1909.

HAYOT, C. *La consanguinité comparée chez l'homme et les animaux. 64p. 8°. Par., 1928.

KELLER, L. *Die fragliche Wirkung hochgradiger Inzucht unter besonderer Berücksichtigung eines bestimmten Genes. 14p. 8°. Münch., 1936.

Aichel, O. Begriffsbezeichnungen zur Inzuchtfrage. *Eugenik*, Berl., 1933, 3: 125-8.—**Bartlett, M. S., & Haldane, J. B. S.** The theory of inbreeding with forced heterozygosis. *J. Genet.*, Camb., 1935, 31: 327-40.—**Herwerden, M. A. van.** Bloodgroups and inbreeding. *Sci. Papers Internat. Congr. Eugen.* (1932) 1934, 3. Congr., 436-40.—**Muller, H. J.** Inbreeding versus accumulation of blood; defense of the genetical concept of inbreeding attacked by Baachhus-Jessen. *J. Hered.*, 1926, 17: 240-2.—**Nilsson, H.** Eine Prüfung der Wege und Theorien der Inzucht. *Hereditas*, Lund, 1937, 23: 236-56.—**Wright, S.** Coefficients of inbreeding and relationship. *Am. Natur.*, 1922, 56: 330-8. — Inbreeding and homozygosis. *Proc. Nat. Acad. Sc. U. S.*, 1933, 19: 411-33.—**Zeleny, C.** Genetics and embryology. *Science*, 1933, 77: 177-81.

human.

ALBRECHT, Z. *Etude sur la consanguinité et le mariage. 52p. 8°. Par., 1936.

BLAVIER, A. *Etat actuel de la question des mariages consanguins. 62p. 8°. Par., 1927.

HALL, S. W. Tangier island; a study of an isolated group. 122p. 23½cm. Phila., 1939.

HAUNGS, G. *Genealogische Untersuchungen in einem Inzuchtgebiet [Heidelberg] 18p. 8°. Borna-Lpz., 1938.

HAUSER, K. J. *Genealogie und erbbiologische Bestandaufnahme eines Inzuchtdorfes der Südschweiz [Zürich] 62p. 22½cm. Schaffhausen, 1940.

HELMING, B. *Wargolshausen, ein mainfränkisches Inzuchtdorf. 33p. 24cm. Würzb., 1937.

KLEINKURT, H. *Ein Beitrag zur Inzuchtfrage [Philos.] [2]p. 23cm. Giessen, 1924.

KRAFT, H. [I. K.] *Ausschnitt aus einem Stammbaum; ein Beitrag zur Inzuchtfrage [Heidelberg] 14p. 21cm. Würzb., 1937.

Bell, J. A determination of the consanguinity rate in the general hospital population of England and Wales. *Ann. Eugen.*, Camb., 1940, 10: 370-91.—**Callamand, E.** Mariages consanguins. *Chron. méd.*, Par., 1905, 12: 269-73.—**Cantoni, G.** Su di un paese altamente consanguineo dell'alta Val Venosta. *Boll. Soc. ital. biol. sper.*, 1936, 11: 284-6.—**Castro y Valero, J. de.** De la consanguinidad y su influencia en la conservación y modificación de las especies. *C. rend. Congr. internat. méd.*, 1904, 14. Congr., Sect. physiol., 168-90.—**Clemente, L. S.** Inbreeding in man through first cousin marriage. *Bull. Nat. Res. Coun. Philippine Islands*, 1935, No. 9, 8.—**Consanguineous marriages.** *Brit. M. J.*, 1941, 2: 55.—**Corner, W.** Cousin marriages. *Ibid.*, 1936, 1: 503.—**Dahlberg, G.** Inzucht beim Menschen. *Upsala läk. fören. förh.*, 1928-29, 34: 849-911. — Theoretische Berechnungen über Inzucht beim Menschen. *Arch. Rassenb.*, 1929, 22: 129-69. — Inbreeding in man. *Genetics*, 1929, 14: 421-54. — Inzucht bei Polyhybridität beim Menschen. *Hereditas*, Lund, 1930, 14: 83-96.—**Decline (The) of consanguineous marriages.** *J. Am. M. Ass.*, 1938, 111: 1674.—**Deluca, F. A.** Del matrimonio entre consanguíneos. *Prensa méd. argent.*, 1939, 26: 2434-8.—**Euzière, J., Pagès, P., & Lafon, R.** Consanguinité et descendance; résultats d'une enquête conduite pour l'Assemblée française de médecine générale auprès des médecins de l'Hérault. *Arch. Soc. sc. méd. biol.* Montpellier, 1935-36, 17: 471-504.—**Haldane, J. B. S., & Moshinsky, P.** Inbreeding in Mendelian populations with special reference to human cousin marriage. *Ann. Eugen.*, Camb., 1939, 9: 321-40.—**Kühn, A.** Inzucht und Auslese in zwei Eifeldörfern. *Arch. Rassenb.*, 1937, 31: 482-505.—**López Campello, J. M.** Los matrimonios consanguíneos. *Escuela méd., Méx.*, 1907, 22: 252; 268; 292. Also *Siglo méd.*,

1907, 54: 232.—**Marriage of relatives.** *J. Am. M. Ass.*, 1941, 116: 2610.—**Mäschel, H.** Inzucht. *Wien. klin. Wschr.*, 1938, 51: 1172-5.—**Muller, H. C.** Hwedlijken tusschen bloodverwanten. *Genesk. courant*, 1907, 61: 287; 296.—**Penrose, L.** The grandchildren of consanguineous unions. *Tr. R. Soc. Canada*, 1940, 34: sect. 5, 93-7.—**Schäfer, W.** Ueber die Zunahme der Isozygotie (Gleichberkeit) bei fortgesetzter Bruder-Schwester-Inzucht. *Zschr. induct. Abstamm.*, 1936, 72: 50-79.—**Schmidt, G. M. T.** Untersuchungen an einer kinderreichen Inzestfamilie. *Münch. med. Wschr.*, 1935, 82: 1355.—**Schultze, K. W.** Inzuchtverhältnisse auf der Frischen Nehrung. *Zbl. Gyn.*, 1934, 58: 2420-3.—**Should cousins marry?** *Hygieia, Chic.*, 1937, 15: No. 11, 980; 1011.—**Study (A) of intermarriage [Japan]** *J. Am. M. Ass.*, 1937, 108: 314.—**Willoughby, R. R.** Cross-cousin marriages and population stabilization. *J. Genet. Psychol.*, 1928, 35: 129-31.

human: Untoward effects.

See also **Eugenics; Heredity, Pathology, etc.**

LE GALL, J. *Consanguinité et descendance. 134p. 8°. Par., 1936.

RUEPP, G. *Erbbiologische Bestandaufnahme in einem Walsdorf der Voralpen; ein Beitrag zur Kenntnis der Vererbung des Schwachsinnes und der Schizophrenie in einem Inzuchtgebiet. p.193-218. 8°. Zür., 1935.

Also *Arch. Julius Klaus Stift.*, 1935, 10:

Aschenbrenner, A. Inzucht und Erbgesundheit; erbbl. logische Untersuchungen in einem fränkischen Inzuchtgebiet. *Arch. Rassenb.*, 1940, 34: 89-100.—**Bär, G. F. J. M.** [Children with corporal defects from consanguineous marriages] *Ned. tschr. genesk.*, 1940, 84: 1929.—**Bertha, H.** Das Problem der Inzucht in der menschlichen Erbbiologie. *Med. Klin.*, Berl., 1940, 36: 1149 (microfilm).—**Cianni, A.** La consanguinità e l'eredità patologica in rapporto al matrimonio. *Cesalpino, Arezzo*, 1906, 2: 187-201.—**Demoll, R.** Inzucht-Schaden. *Umschau*, 1940, 44: 420-3.—**Duff, P. B. E., & Dingee, R. W.** The incidence of consanguineous parentage in mentally defective patients. *Am. J. Ment. Defic.*, 1941-42, 46: 21-5.—**Feer.** Einfluss der Blutsverwandschaft der Eltern auf die Nachkommen. *Korbl. Verein. Aerzte, Reichenberg*, 1906, 21: No. 10, 1-3. — Ueber den Einfluss der Blutsverwandschaft der Eltern auf die Kinder. *Münch. med. Wschr.*, 1906, 53: 1981. Also *Verh. Ges. deut. Naturforsch.* (1906) 1907, 23: 76-102.—**Fischer, M.** Ueberkreuzungen. *Arch. Rassenb.*, 1939, 33: 232-43.—**Godlewski, H.** Consanguinité et descendance. *Rev. gén. clin. théor.*, 1935, 49: Suppl., 485.—**Haldane, J. B. S.** Is cousin marriage dangerous? *Lancet*, Lond., 1936, 1: 332. — Some theoretical results of continued brother-sister mating. *J. Genet.*, Camb., 1937, 34: 265-74.—**Hogben, L.** The effect of consanguineous parentage upon metrical characters of the offspring. *Proc. R. Soc. Edinburgh*, 1933, 53: 239-51.—**Ignatiev, M. V., & Prokofieva, T. I.** [Material on inbreeding in the population of Moskv] *Proc. Maxim Gorky Med. Genet. Res. Inst., Moskv*, 1936, 4: 201-12.—**Ludovici, A. M.** Eugenics and consanguineous marriages. *Eugen. Rev.*, Lond., 1933, 25: 147-55.—**McFeeters, J. W.** Morbid inheritance in an isolated rural community. *Brit. M. J.*, 1939, 1: 218-20. — A study of heredity in an isolated village community. *Eugen. Rev.*, Lond., 1941-42, 33: 73-80.—**Manne, J.** Mental deficiency in a closely inbred mountain clan. *Ment. Hyg.*, Alb., 1936, 20: 269-79.—**Munro, T. A.** Consanguinity and mental disorder. *J. Ment. Sc.*, Lond., 1938, 84: 708-17.—**Niessner, E.** Kinderfrühsterblichkeit und ihre Behebung bei drei Vetter-Basenehen. *Med. Klin.*, Berl., 1941, 37: 326.—**Orel, H.** Der Einfluss der Blutsverwandschaft der Eltern auf die Kinder. *Arch. Rassenb.*, 1934, 28: 281-307. Also *Mscr. Kinderh.*, 1934, 62: 186-90.—**Thomen, A.** Why does a marriage between cousins produce defective offspring? In his Doctors don't believe it, N. Y., 1941, 352-5.—**Turkaly-Aschner, B.** Sind Verwandtenehen vom eugenischen Standpunkt aus zulässig? *Schweiz. med. Wschr.*, 1942, 72: 341-4.—**Viggiani, G.** La consanguinità al lume delle più recenti vedute della genetica. *Boll. Soc. natur. Napoli* (1925) 1926, 2. ser., 17: 19-27.

in animals and plants.

FREY, R. J. *De la consanguinité [Vétér.] 43p. 2 pl. 8°. Lyon, 1937.

RITZMAN, E. G., & DAVENPORT, C. B. Some results of inbreeding on fecundity and on growth in sheep. 27p. 8°. Durham, 1931.

Baachhus-Jessen, J. Consequences of mendelism on the problems of in-breeding in live-stock. *Hereditas*, Lund, 1926, 7: 189-214.—**Bartlett, M. S., & Haldane, J. B. S.** The theory of inbreeding in autotetraploids. *J. Genet.*, Camb., 1934, 29: 175-80.—**Baur, E.** [Inbreeding] *Aarsskr. Vet. Landbohøjsk.*, Kbh., 1918, 408-18.—**Bushnell, R. J.** Incompatible matings in inbred families of the bean *ecvil*. *Genetics*, 1942, 27: 135.—**Craigie, E. H.** The vascular supply of the archicortex of the rat; inbred albino rats. *J. Comp. Neur.*, 1932, 55: 443-51.—**De Garis, C. F.** A genetic study of *Paramecium caudatum* in pure lines through an interval of experimentally induced monster formation. *J. Exp. Zool.*, 1927, 49: 133-45.

- pl.—**Dickinson, W. F., & Lush, J. L.** Inbreeding and the genetic history of the ramboillet sheep in America. *J. Hered.*, 1933, 24: 19–33.—**Eaton, O. N.** A quarter-century of inbreeding in guinea pigs. *J. Exp. Zool.*, 1932, 63: 261–90. — Weights and measurements of the parts and organs of mature inbred and crossbred guinea pigs. *Am. J. Anat.*, 1938, 63: 273–95. — A comparative analysis of the measurements of the limb bones of inbred families of guinea pigs and their hybrids as affected by family, sex and age. *Ibid.*, 1939, 64: 485–99. — Crosses between inbred strains of mice. *J. Hered.*, 1941, 32: 393–5.—**Efroimson, V. P., & Rylowa, K. N.** [Division of lethal mutations in inbred lines of the synthetic bivoltine race of *Bombyx mori* L.] *Biol. J., Moskva*, 1936, 5: 625–32.—**Fekete, E.** Sexual abnormalities in an inbred strain of mice. *Proc. Soc. Exp. Biol., N. Y.*, 1938, 38: 59–62.—**Frets, G. P.** Pure lines in beans. *Eugen. News*, 1935, 20: 33–6.—**Geissel, H.** Entwicklungsdauer, Flügellänge und Vitalität Ingezüchteter Mehlmottenstämme und ihrer Kreuzungen. *Zschr. indukt. Abstamm.*, 1936, 71: 382–416.—**Gourdon, J.** La consanguinité chez les animaux domestiques. *J. méd. Toulouse*, 1862, 4. sér., 1: 331–5.—**Green, E. L.** Genetic and non-genetic factors which influence the type of the skeleton in an inbred strain of mice. *Genetics*, 1941, 26: 192–222.—**Hodgson, R. E.** An 8 generation experiment in inbreeding swine. *J. Hered.*, 1935, 26: 209–17.—**Hughes, E. H.** Inbreeding Berkshire swine. *Ibid.*, 1933, 24: 199–203.—**Huvellier.** Mémoire sur la reproduction des animaux par la consanguinité. *Mém. Soc. centr. méd. vét., Par.*, 1859, 4: 131–70.—**Huzard.** Note sur les accouplements entre consanguins dans les familles ou races des principaux animaux domestiques. *J. méd. vét., Lyon*, 1857, 13: 222; 256.—**Jones, D. F.** Continued inbreeding in maize. *Genetics*, 1939, 24: 462–73.—**Kaaland-Jørgensen, O.** On the occurrence of diverse leukotic conditions in an inbred mouse-strain. *Acta path. microb. scand.*, 1940, 17: 438–52.—**Kamenoff, R. J.** Erythrocyte count in 4 inbred strains of mice. *Proc. Soc. Exp. Biol., N. Y.*, 1937–38, 36: 411–4.—**Karp, M. L.** [Inbreeding and heterosis; effect of intra-chromosome and inter-chromosome correlation on inbreeding depression and heterosis] *Bull. Acad. sc. URSS, ser. biol.*, 1940, 219–50, pl.—**Koboziev, N.** Influence de la consanguinité sur la mortalité précoce chez la souris. *C. rend. Soc. biol.*, 1931, 106: 1205–8. — & **Pombiaskinsky-Koboziev, N. A.** Sur le problème de la consanguinité chez la souris. *Ibid.*, 1937, 126: 994–7.—**Kozelka, A. W.** Individuality of the red blood cells of inbred strains of fowls. *J. Immun., Balt.*, 1933, 24: 519–41.—**Kröning, F.** Wurfgrösse, Zahlenverhältnis der Geschlechter und Lebensfähigkeit bei sieben Inzucht-Meerschweinchenstämmen. *Nachr. Ges. Wiss. Göttingen, math. physik. Kl.*, 1934–35, n. F., 1: Biol., 25–51. — Abnorme Vorderzehen als ein neues erbliches Merkmal des Meerschweinchens. *Biol. Zbl.*, 1938, 58: 268–72.—**Loeb, L., & King, H. D.** Individuality differential in strains of inbred rats. *Arch. Path., Chic.*, 1931, 12: 203–21.—**Lush, J. L.** An empirical test of the approximate method of calculating coefficients of inbreeding and relationship from livestock pedigrees. *J. Agr. Res.*, 1932, 45: 565–9. — The amount and kind of inbreeding which has occurred in the development of breeds of livestock. *Proc. Internat. Congr. Genet.*, 1932, 6. Congr., 2: 123–6. — A herd of cattle bred for twenty years without new blood. *J. Hered.*, 1934, 25: 209–16.—**MacGill, E. I.** On the biology of *Dysdercus howardi* Ballou; the effect of continued inbreeding on the life history. *Bull. Entom. Res.*, Lond., 1941, 32: 185–90.—**McPhee, H. C.** The effects of inbreeding and crossbreeding on swine. *Proc. Internat. Congr. Genet.*, 1932, 6. Congr., 2: 132. — **Russel, E. Z., & Zeller, J.** An inbreeding experiment with Poland China swine. *J. Hered.*, 1931, 22: 393–403.—**Meirowsky & Königs, K.** Ergebnisse aus Inzuchtversuchen an Holländerkaninchen. *Zschr. ges. Anat.*, 2. Abt., 1927, 13: 83–5.—**Miller, D. F.** Insect cultures inbred for 200 generations. *Science*, 1940, 92: 147.—**Natali, F.** Sugli effetti della consanguineità osservati in un allevamento di *Serinus canaria* L. *Riv. biol.*, 1935, 19: 61–8.—**Norris, M. J.** Inbreeding in *Ephestia kuehniella* Z. (Lepidoptera, Phycitidae) *J. Genet., Cambr.*, 1936, 32: 179–81.—**Reed, S. C.** Interaction between the autosomes of *Drosophila melanogaster* as measured by viability and rate of development. *Proc. Internat. Genet. Congr.* (1939) 1941, 7. Congr., 246.—**Stang.** Inzucht vom Standpunkt der neuzeitlichen Vererbungslehre. *Wien. tierärztl. Mschr.*, 1938, 25: 309–13.—**Strandskov, H. H.** Inheritance of internal organ and skeletal variations in guinea-pigs. *Proc. Internat. Genet. Congr.* (1939) 1941, 7. Congr., 278.—**Strong, L. C.** The establishment of the A strain of inbred mice. *J. Hered.*, 1936, 27: 21–4. — The origin of the JK strain of inbred mice; 22 generations of mice without cancer. *Ibid.*, 1937, 28: 41. — The origin of some inbred mice. *Cancer Res.*, 1942, 2: 531–9.—**Trélat, A.** Quelques observations sur la génération consanguine. *Mém. Soc. centr. méd. vét., Par.*, 1859, 4: 171–80.—**Wright, S.** An analysis of variability in number of digits in an inbred strain of guinea pigs. *Genetics*, 1934, 19: 506–36. — The results of crosses between inbred strains of guinea pigs, differing in number of digits. *Ibid.*, 537–51.—**Zootechnie;** influence de la consanguinité. *Mém. Soc. centr. méd. vét., Par.*, 1866, 6: 217–28.
- excavation in Viru and Lambayeque valleys. 153p. 24½cm. N. Y., 1939.
- HOLMES, W. H.** Textile fabrics of ancient Peru. 17p. 8° Wash., 1889.
- LOCKE, L. L.** The ancient quipu or Peruvian knot record. 84p. 8° [N. Y.] 1923.
- POINDEXTER, M.** Peruvian Pharaohs. 348p. 8° Bost. [1938]
- Bennett, W. C.** Chimu archeology, the archeology of the north coast of Peru. *Sc. Month.*, 1937, 45: 35–48.—**Bones** of Incas to be studied by American, off to Peru. *Science News Lett.*, 1941, 39: 116.—**Bowman, I.** A buried wall at Cuzco and its relation to the question of a pre-Inca race (Yale Peruvian expedition, 1911) *Am. J. Sc.*, 1912, 34: 498–509.—**Dorsey, G. A.** A ceremony of the Quichuas of Peru. *J. Am. Folklore* [1894?] 7: 307–9.—**Echague, J. P.** Túpac Amaru. *Bol. clase, Lima*, 1942, 10: 192–9.—**Enthusiastic** over find of lost Incan cities. *Science News Lett.*, 1941, 39: 135.—**Hrdlicka, A.** Some results of recent anthropological exploration in Peru. *Smithson. Misc. Collect.*, 1911, 56: No. 16.—**Karsten, R.** Ueberbleibsel der Inkareligion im heutigen Peru und Bolivien. *Arch. Anthropol., Brnschw.*, 1939, n. F., 25: 36–46.—**Kroeber, A. L.** Archaeological explorations in Peru; the Northern Coast. *Field Mus. Dep. Anthropol.*, 1930, 2: 54–116, 18 pl.—**Malinovsky, C.** Pre-Columbian art in Peru and its significance for the Americas. *Bull. Panamer. Union*, 1941, 75: 700–5.—**Means, P. A.** Pre-Columbian Peruvian chronology and cultures. *Man Lond.*, 1918, 18: 168.—**Menier.** Les terres cuites péruviennes. *Arch. internat. laryng.*, Par., 1910, 29: 536.—**Rouma, G.** La civilisation des incas et leur communisme autoératique. *Ebull. Soc. anthropol. Bruxelles*, 1923, 38: 245–315.—**Tello, J. C.** Hacia el Perú en pos del oro de los Incas. *Bol. Com. nac. peru. coop. intelect.*, 1941, 1: No. 1, 57–61.—**Trimborn, H.** Der Kollektivismus der Incas in Peru. *Anthropos, Mödling*, 1923–24, 18: 19: 976; 1925, 20: 579. — Straftat und Sühne in Alt-Peru. *Zschr. Ethnol.*, 1925, 57: 194–240.—**Tuya, A. de.** Die anthropomorphe Proto-Chimu-Keramik. *Ibid.*, 1935–36, 67: 265–9. — Las ceremonias a la muerte del Inca, en el Perú precolombino. *Anthropos, Mödling*, 1937, 32: 147–54.
- **Medicine.**
- HRDLICKA, A.** Anthropological work in Peru in 1913, with notes on the pathology of the ancient Peruvians. 69p. 8° Wash., 1914.
- Capitan.** La pathologie dans la céramique des anciens péruviens. *Rev. Ecole anthropol. Paris*, 1909, 19: 204.—**Dietschy, H.** La medicina en el Perú de Antaño; el rey-dios y las enfermedades. *Reforma méd.*, Lima, 1938, 24: 918; 938.—**Gallardo, B. L.** El gran Imperio Inca y la medicina. *Gac. peru. cir. med.*, 1940–41, 3: No. 35, 12.—**Holländer, E.** Ueber Krankheitsdarstellungen aus praekolumbischer Zeit. *C. rend. Congr. internat. méd.* (1909) 1910, 16. Congr., vol. gén., 319–47.—**Mazzini, G.** I medici e la medicina del Peru incaico. *Archeion, Roma*, 1931, 13: 408–23.—**Medicina** degli Incas. *Minerva med.*, Tor., 1940, 31: pt 1, varia, 160–2 (microfilm).—**Olano, G.** Conocimientos anatómicos de los antiguos peruanos o incas. *Crón. méd.*, Lima, 1909, 26: 297–301.—**Pardal, R.** La patología en la cerámica del antiguo Perú. *Prensa méd. argent.*, 1935, 22: 2495–502.—**Vélez.** Les vases péruviens anthropomorphes. *Presse méd.*, 1909, 17: annex, 809–12.—**Vélez López, L.** Apuntes para la historia médico-quirúrgica de los Yungas. *An. Soc. peru. hist. med.*, 1940, 2: 58–63, 8 pl.

INCA bone.

See Parietal bone.

INCANTATION.

See also Charm; Demonology; Magic; Medicine man; Superstition.

HOFFMANN, G. *Beiträge zur Lehre von der durch Zauber verursachten Krankheit und ihrer Behandlung in der Medizin des Mittelalters [Berlin] 37p. 8° Leiden, 1933.

POMPONAZZI, P. De naturalium effectuum causis; sive, De incantationibus. 349p. 12cm. [text] Basel, 1556.

Castellanos, I. La jerga de los ñaños. In his *Med. leg. crim. afrocaruban.* Habana, 1937, 127–32.—**Exorzismus** und Heilkunde auf Ceylon. *Praxis, Bern*, 1942, 31: 73.—**Frazier, J. G.** Incantations. In his *Native Races of Asia, Lond.*, 1929, 168–70. — Incantation for rheumatism in the legs. *Ibid.*, 170. — Incantation for the cure of swelling on the arm. *Ibid.*, 169. — Incantation for charming an amulet for a woman. *Ibid.*, 169. — Incantation for the protection of a lonely traveller against evil spirits. *Ibid.*, 169.—**Incantation** for the treatment of headache. *Ibid.*, 169.—**Gimlette, J. D.** A formula to cast out forest spirits and demons, or any disease (in Malay) In his *Malay Poisons*, 3. ed., Lond.,

INCA [incl. allied tribes]

See also Bolivia; Chile; Peru; South America.

BENNETT, W. C. Archaeology of the north coast of Peru; an account of exploration and

1929, 270. — An incantation for snake-bite, stings of scorpions, stings of centipedes and other poisons (in Malay) *Ibid.*, 272. — The hundred and ninety charm for any kind of poison (in Malay) *Ibid.*, 272. — A spell to neutralise the effect of Jack-a-Lantern or Will-o'-the-Wisp (in Malay) *Ibid.*, 273. — The introductory song of the to' minkok (in Malay) *Ibid.*, 275-8. — The besirring song of the to' bomor minkok (in Malay) *Ibid.*, 278. — The exorcism of the to' bomor pèteri (in Malay) *Ibid.*, 279. — **Kelley, D. M.** Conjuring as an asset to occupational therapy. *Occup. Ther. Rehabil.*, 1940, 19: 71-108. — **Marzell, H.** Heil-segen aus dem bayerischen Franken. In: *Natur & Heilwiss.* (Festgabe G. Sticker) Berl., 1930, 27-38. — **Saveliev, A. A.** [Sacred conjurations in the Angara region] *Sibirsk. vrach.*, 1915, 2: 209; *passim*. — **Sudhoff.** Mittelgriechische Beschwörungen und Gebete gegen Krankheiten und eine Liste von Körperteilen aus einem *Ερπαιος*. Mitt. Gesch. Med. Naturwiss., 1917, 16: 257. — **Wellcome, H. S.** Anglo-Saxon methods of healing by charm and incantation. In his *Anglosax. Leechcraft*, Lond., 1912, 91-100. — **Wickersheimer, E.** Formules de prières à dire en cas de maladie recueillies par un soldat de la République. *Bull. Soc. fr. hist. méd.*, 1910, 9: 253-7.

INCAPACITY [mental]

See also **Insanity; Irresponsibility; Responsibility.** For physical incapacity see **Disability**; also names of incapacitating diseases.

NEUMANN, M. *Ueber Haft-, Verhandlungs- und Terminsfähigkeit [Frankfurt] 54p. 8°. Quakenbrück, 1932.

Abély, X. Capacité civile et valeur des actes des aliénés internés. *Ann. méd. psychol.*, Par., 1940, 98: 1; 105. — **Bersot, H.** Etat-civil et forme de maladie des malades mentaux entrés pour la première fois dans les établissements psychiatriques suisses. *Schweiz. med. Wschr.*, 1938, 68: 1099-1101. — **Bianchi, V.** La capacità civile degli infermi anormali di mente nella legislazione attuale e possibili riforme di questa. *Ann. nevri. Nap.*, 1927, 44: 151-64. — **Bravo, y Moreno, F.** Apuntes para un informe de incapacidad. *Protoc. med. forense, Teruel*, 1907, 8: 81-3. — **Informe de incapacidad mental. Ibid., 1911, 13: 161. — **Carrara, M.** Il concetto medico-legale dell'infirmità di mente in rapporto all'interdizione. In *Festschr. H. Zangger, Zür.*, 1935, 1: 439-56. — **Chamberlain, R. L.** The law of incompetency. *California West. M.*, 1935, 43: 342-5. — **Claveria, M.** Estudio médico legal y psíquico de los desequilibrios mentales. *Protoc. med. forense, Teruel*, 1912, 14: 4; 17; 25. — **Dixon, W.** Document for emergencies. *Med. Econom.*, 1941-42, 19: No. 5, 73. — **Ehrnrooth, E.** Die Zurechnungsfähigkeit. *Fin. läk. säll. hand.*, 1923, 65: 54-68. — **Hentig, H. von.** Probleme der Verhandlungsfähigkeit. *Aerztl. Sachverst.-Ztg.*, 1933, 39: 175-85. — **Herz, H.** Zur Frage des Wahrheits von Irrenanstaltsinsassen. *Psychiat. neur. Wschr.*, 1932, 34: 295-7. — **Leppmann, F.** Probleme der Verhandlungsfähigkeit. *Aerztl. Sachverst.-Ztg.*, 1933, 39: 170-5. — **López Albo, W.** Informe médico-legal de incapacidad. *Monterrey méd.*, 1941, No. 66, 1544-6. — **Malberti, J. A.** Informe sobre el estado mental de un individuo. *Rev. med. cir. Habana*, 1908, 13: 231-4. — **Martínez, C.** Documento médico legal (acerca del estado de las facultades mentales) *Protoc. med. forense, Teruel*, 1907, 9: 113. — **Pieraccini, A.** In causa di impugnata capacità civile per supposta infirmità mentale. *Cesalpino*, 1908, 4: 241-55. — **Ruiz Funes, M.** Las fórmulas legales de la imputabilidad. *Rev. psiquiat. crim.*, B. Air., 1940, 5: 371-82. — **Seiffer, V.** Beitrag zur forensischen Psychiatrie. *Charité Ann.*, Berl., 1907, 31: 191-220. — **Strassmann, F.** Zur Frage der Verhandlungsfähigkeit. *Mscr. Krim.*, 1913-14, 10: 686-9. — **Strassmann, G.** Die Verhandlungs- und Terminsfähigkeit bei geistigen und körperlichen Erkrankungen. *Deut. Zschr. gerichtl. Med.*, 1924, 4: 539-47. — **Tamassia, A.** La imputabilità parziale per vizio di mente secondo la tendenza della giurisprudenza italiana. *Atti Ist. venet. sc.*, 1905-6, 65: pt. 2, 985-7. — **Täbben, H.** Ueber Geschäftsfähigkeit und Zurechnungsfähigkeit. *Zschr. Medbeamte*, 1914, 27: 649-57. — **Ueber Prozessfähigkeit im ärztlichen Blickfeld.** *Deut. Zschr. gerichtl. Med.*, 1939, 31: 49-54.**

Cases.

See also under names of various mental conditions and diseases as **General paralysis; Hallucinoses**, etc.

Ajello, S. Relazione medico-legale sullo stato di mente di Amedeo B. il fatto-anamnesi-incarico di perizia. *Gazz. med. sicil.*, 1910, 13: 121; 160. — **Perizia sullo stato di mente di Giuffrida Giuseppe.** *Ibid.*, 1911, 14: 121-4. — **Altavilla, E.** L'interrogatorio di Filippo Cifariello. *Anomalo, Nap.*, 1909, 5 ser., 12: 329-33. — **Benon, R.** La démente au temps de l'action. *Gaz. hóp.*, 1940, 113: 338 (microfilm). — **Bertelli, L.** Un processo tutto da ridere; il beneficio della semi-infirmità di mente. *Scuola posit.*, 1906, 2 ser., 16: 456-62. — **Bonhoeffer, K.** Zu dem Artikel des Herrn von Kunowski: Der Fall Lubecki. *Psychiat. neur. Wschr.*, 1908-9, 10: 525. — **Bravo, F.** Reminiscencias de un informe médico-legal. *Protoc. med. forense, Teruel*, 1905, 7: 73-7. — **Catalán, E.** Incapacidad civil por manía total. *Rev. argent. neur.*, 1929, 3: 61-6. — **D'Ormea, A.**

Perizia giudiziaria sullo stato di mente di B. L. (per giudizio di capacità civile) *Gazz. internaz. med.*, 1906, 9: 33-6. — **Fontane, F.** Gutachten über den Geisteszustand des (i.; neurasthenische Psychose mit Erregungszuständen, Beeinträchtigungsdehn und halluzinatorische Verwirrtheit. *Friedrichs Bl. gerichtl. Med.*, 1908, 59: 321; 401; 1909, 60: 20. — **García, E.** Estado mental de A. T. *Rev. méd. Uruguay*, 1920, 23: 492-501. — **Goenaga, F. R.** Dictamen pericial referente al estado psíquico del procesado Ramon Torres Gimenez. *Bol. As. méd. Puerto Rico*, 1904, 2: 293; 328; 350; 370. — **Gordon, A.** Affections nerveuses organiques tardives à la suite des traumatismes et le problème médico-légal de l'incapacité. *Rev. neur. Par.*, 1935, 42: pt. 2, 662-7. — **Gudden, H.** Einige Gutachten über bestrittene Vertragsfähigkeit beziehungsweise Testierfähigkeit. *Friedrichs Bl. gerichtl. Med.*, 1912, 63: 226; 302. — **Harnett v. Fisher; judgement of the House of Lords.** *Brit. M. J.*, 1927, 1: 1036-8. — **Iglesias, T., & Tolosa Latour, M.** Dictamen de la tercera Comisión de medicina forense sobre el estado mental de un procesado. *An. Acad. med., Madr.*, 1911, 31: 337-51. — **Jeigersma, G.** Psychiatrisch-psychologisch onderzoek in de zaak van het O. M. contra H. Gartstagen. *Psychiat. neur. bl.*, Amst., 1910, 14: 497-578. — **Jung, C. G.** Obergutachten über zwei sich widersprechende psychiatrische Gutachten. *Mscr. Krim. Psychol.*, 1906, 2: 691-8. — **Krücke, A.** Psychologisches zur Affäre von Köpenick. *Aerztl. Rdsch.*, 1906, 16: 519. — **Kunowski, von.** Der Fall Lubecki. *Psychiat. neur. Wschr.*, 1908-9, 10: 313-20. — **López, G., Pérez Vento, R., & Mestre, A.** Informe sobre el estado mental del Sr. F. M., que ha sufrido una lesión en el cráneo. *Rev. frenopat. españ.*, 1911, 9: 65-71. — **Loureiro, J.** Paracer medico-legal sobre o estado mental de D. B. de O. R. J. med. Pernambuco, 1907, 3: 65-9. — **Lunacy (The) Law; limitation of actions; Harnett v. Fisher.** *Brit. M. J.*, 1927, 1: 1084. — **Marro, G.** Giudizio peritale sulle condizioni psichiche e somatiche de B. A. Ann. freniat., Tor., 1907, 17: 193-202. — **Martí y Julia, D., Rodríguez-Morín, A., & Giné y Marriera, A.** Caso de incapacidad mental; informe emitido. *Rev. frenopat. españ.*, 1910, 8: 1-11. — **Mercier, The Townshend case.** *J. Ment. Sc., Lond.*, 1906, 52: 776-9. — **Recent medico-legal cases; Rex v. Chetwynd.** *Ibid.*, 1914, 60: 102-11. — **Pérez Vento, R.** Nowack. *Rev. med. cir. Habana*, 1906, 1: 187-94. — **Ponce de León, R., & Hurtado y Merino.** Un informe médico-legal (observación de las facultades intelectuales de A. P. F.). *Protoc. med. forense, Teruel*, 1905, 7: 49-61. — **Raecke.** Nicht geisteskrank; zwei Gutachten. *Friedrichs Bl. gerichtl. Med.*, 1906, 57: 93. — **Re William Henry King; an inquisition in lunacy.** *J. Ment. Sc., Lond.*, 1908, 54: 575. — **Rodríguez-Morín, A., Ortiz, F., & Bravo y Moreno, F.** Dictamen sobre integridad y capacidad mental en una supuesta alienada. *Rev. frenopat. españ.*, 1941, 12: 125-37. — **Rossi, E.** Sullo stato mentale di Ottavio Silva; parere freniatrico in causa d'interdizione. *Manicomio*, 1906, 22: 178-86. — **Ségla & Vallon.** Affaire Célestin Bose; rapport médico-légal. *J. méd. lég. psychiat.*, Par., 1906, 1: 68-74. — **Tomellini, L.** Alcune perizie psichiatriche in tema di imputabilità. *Boll. Accad. med. Genova*, 1911, 26: 159-244. — **Witry.** L'expertise médicale concernant l'état mental de Sa Majesté le roi Othon de Bavière. *Rev. psychotér.*, Par., 1913-14, 28: 239-42. — **Zamora, A., & García Austt, E.** Inhabilitación civil por psicosis querulante; persistencia de una actividad intelectual engañosa a través de 20-años de comportamiento delirante. *Rev. psiquiat. Uruguay*, 1939, 4: No. 24, 3-70.

contractual.

Beringer, K. Zur Frage der partiellen Geschäftsunfähigkeit. *Deut. Zschr. gerichtl. Med.*, 1934-35, 24: 275-83. — **Owen, J. F.** Insane persons; contracts of persons non compos mentis may be valid, void or voidable [North Carolina] *North Carolina M. J.*, 1941, 2: 505. — **Santangelo, G.** Capacidad civil e capacità matrimoniale nei riguardi della psichiatria. *Note psichiat.*, Pesaro, 1931, 60: 1-46.

Diagnosis.

See also **Forensic medicine, Psychiatric aspect; Insanity; Psychosis.**

Antheaume, A. Expertise psychiatrique. *J. méd. lég. psychiat.*, Par., 1906, 1: 214-23. — **Austereil, L.** Elmedallapot meghatározása halál után a peritratokból. *Gyógyászat*, 1906, 46: 155. — **Boas, K.** Zur forensischen Beurteilung der Frage: War ein Verstorbener geistig, gesund oder krank? auf Grund des Gehirnbefundes an der exhumierten Leiche. *Arch. Krim.*, 1914, 60: 131-3. — **Borri, L.** Sulla diagnosi differenziale tra indebolimento permanente e malattia probabilmente o certamente insanabile a scopo medico-forense. *Gazz. osp.*, 1912, 33: 369-71. — **Graveri, G. C.** Perizia per contestata interdizione (autorisunto) *Arch. psichiat.*, Tor., 1908, 29: 397-406, 3 ch. — **D'Alessandro, F.** Perizia chirurgico-psichiatrica. *Anomalo, Nap.*, 1908, 5 ser., 12: 172. — **Dupony, R.** Au sujet des certificats de situation. *Ann. méd. psychol.*, Par., 1912, 10, ser., 1: 345-51. — **Fernández-Victorio, A.** Notas de psiquiatría clínica; la exploración mental. *Rev. frenopat. españ.*, 1906, 4: 13-9. — **Frost, J. L.** [Procedure in declaring mental incapacity of patients] *Ugeskr. laeger*, 1941, 103: 756-9. — **Hummel, E. M.** Medico-legal consideration in cases of mental defect or disease. *N. Orleans M. & S. J.*, 1908, 60: 921-6. — **Loudet, O.** Diagnóstico retrospectivo de alienación mental y capacidad civil. *Rev. crim.*, B. Air., 1933, 20: 182-90. — **Also Rev. As. méd. argent., 1933, 46: 2472-9. — **Olsen, A.** [Psychiatric value of the intelligence test for adults] *Ugeskr.***

laeger, 1940, 102: 902-5.—**Sierra, A. M.** Valor práctico de la prueba histopatológica del sistema nervioso central, en litigios de orden civil (anulación de testamento, anulación de derechos sucesorios matrimoniales, etc.) por supuesta alienación mental de alguno de los conyuges. Sem. méd., B. Air., 1930, 37: pt 2, 1457-69.—**Stadelmann, H.** Die Analyse der Anlage. Psychiat. neur. Wschr., 1906-7, 8: 347; 358; 366.—**Strassmann, G.** Die Begutachtung der Verhandlungsfähigkeit. Deut. med. Wschr., 1926, 52: 712-4. — Die Untersuchung zur Feststellung der Verhandlungs- und Termino-fähigkeit, der Haft- und Reisefähigkeit. In Handb. biol. Arbeitsmeth. (Abderhalden, E.) Berl., 1938, 4: T. 12, 1. Hälfte, Bd 1, 537-56.—**Urtequua, G.** Importance des décisions psychiatriques dans les questions civiles et pénales. Ann. méd. lég., 1935, 15: 800-10.—**Victorio, A. F.** La exploración mental. Med. mil. españ., 1905, 12: 137-40.—**Ziehen, T.** Untersuchung und diagnostische Beurteilung der geistig Minderwertigen und psychisch Kranken, mit besonderer Berücksichtigung der experimentellen Psychologie. Zschr. ärztl. Fortbild., 1912, 9: 577; 617.

Lucid interval.

Añibarro, R. de. Informe de incapacidad; locura de los degenerados de forma lúcida. Rev. frenopat. españ., 1911, 9: 97-104.—**Courbon, P., & Bauer, E.** La lucidité et la validité mentales. Ann. méd. psychol., Par., 1924, 82: pt 2, 101-15.—**Mitafsis, K. A.** Ueber die luciden Intervalle in psychiatrischer und juristischer Hinsicht. Deut. Zschr. gerichtl. Med., 1936, 27: 125-31.—**Osty, E.** Le phénomène psychique dit de lucidité. Bull. Inst. gén. psychol., Par., 1919, 19: 29-56.—**Rojas, N.** Los intervalos lúcidos. Rev. espec., B. Air., 1926, 1: 709-19. — Los intervalos lúcidos en medicina legal. Rev. crim., B. Air., 1926, 13: 536-43.—**Zanger, H.** Das sogenannte freie Intervall (früher das lucide Intervall) dessen rechtlich-medizinische Bedeutung. Schweiz. med. Wschr., 1938, 68: 875-7.

testamentary.

See also Testament.

Arnott, D. W. H. Testamentary capacity. Med. J. Australia, 1941, 1: 60.—**Bramwell, E.** Testamentary capacity. In Brit. Enycl. M. Pract. (Rolleston) 1939, 11: 650-5.—**Frackman, H. D.** Mental fitness to execute a will. Am. Med., 1936, 42: 320-2.—**Fuertes Pérez, F.** Informe psiquiátrico sobre capacidad para testar. Med. ibera, 1936, 30: pt 1, 758-67.—**Grasso Biondi, I.** Le basi biologiche della capacità di testare. Arch. antrop. crim., Tor., 1936, 56: Suppl., 238-74.—**López, L. V.** Nulidad de testamento por demencia. Rev. psiquiat. crim., B. Air., 1937, 2: 157-80.—**Luciani, L.** Sullo stato mentale della Contessa Aurelia Gentili di Rovellone in causa d'invocata nullità di testamento. Arch. antrop. crim., Tor., 1912, 4, ser., 4: 533; 677; 1913, 4, ser., 6: 61.—**Obarrio, J. M.** Nulidad de testamento por confusión mental. Rev. espec., B. Air., 1929, 4: 473-519.—**Remick, R. M.** Wills and testamentary capacity. Arch. Neur. Psychiat., Chic., 1935, 34: 434-43.—**Urban, H.** Zur Frage der Testierfähigkeit Geisteskranker. Wien. klin. Wschr., 1907, 50: 1200; 1228.—**Wills:** dysfunction of endocrine glands in relation to testamentary capacity [Iowa] J. Am. M. Ass., 1937, 108: 144.

testimonial.

See also Witness, Psychology.

CAZIU, E. A. *Etude médico-légale sur la valeur du témoignage du vieillard. 173p. 8°. Nancy, 1906.

GIRARD, L. *La psycho-pathologie du témoignage: étude expérimentale de sa valeur chez l'enfant. 77p. 8°. Par., 1937.

PLAUT, P. Die Zeugenaussagen jugendlicher Psychopathen; ihre forensische Bedeutung. 86p. 8°. Stuttgart, 1928.

Bauer, R. Unrichtige Aussage eines Zeugen infolge einer erlittenen Kopfverletzung. Arch. Krim., 1906, 25: 88-90.—**Boas, K.** Materialien zu einer Pathologie der Zeugnisfähigkeit. Ibid., 1910-11, 40: 216-24.—**Collin, A.** La suspicion légitime du témoignage des enfants témoins judiciaires; l'examen mental des enfants témoins. Ann. méd. lég., 1926, 6: 379-91.—**Eckstein, E.** Ein Beispiel von der Unglaubwürdigkeit von Kinderzeugnissen. Arch. Krim., 1911, 41: 147.—**Egloffstein, L. von.** Zeugenaussage und Trunk; eine Untersuchung zur gerichtlichen Seelenkunde. Alkoholfolge, 1925, 21: 277-82.—**Foerster, R.** Zur Psychologie der Aussagen Unfallverletzter. Münch. med. Wschr., 1913, 60: 1880.—**Higson, W. D.** Unfitness to plead. J. Ment. Sc., Lond., 1935, 81: 822-33.—**Hoche, A.** Zur Frage der Zeugnisfähigkeit geistig abnormer Personen. Jurist. psychiat. Grenzfr., 1904, 1: H. 8, 1-23.—**Kreuser.** Die Zeugnisfähigkeit der Schwachsinnigen. Vjschr. gerichtl. Med., 1907, 33: Suppl., 70-8.—**Leppmann, F.** Zur ärztlichen Begutachtung der Glaubwürdigkeit von Zeugenaussagen. Aerztl. Sachverst. Ztg., 1925, 31: 63-5.—**Luettegebrune.** Parteifunktionär und Zeuge (ein Beitrag zur Lehre von der Zeugnisfähigkeit) Arch. ges. Psychol., 1927, 59: 163-72.—**Moll, A.** Zur ärztlichen Begutachtung der Glaubwürdigkeit von Zeugenaussagen. Aerztl. Sachverst. Ztg., 1925, 31: 45; 59.—**Ojng, E.** [A series of perjuries committed by a mentally sick

subject] Sven. læk. tidn., 1938, 35: 1713-25.—**Pariset, P.** Le témoignage du vieillard en justice; sa valeur médico-légale. Rev. méd. lég., Par., 1906, 13: 143.—**Pear, T. H., & Wyatt, S.** The testimony of normal and mentally defective children. Brit. J. Psychol., 1914, 6: 387-419.—**Peiper, U.** Die Psychopathologie der Aussage des Kindes in forensischer Beziehung. Arch. Kinderh., 1926, 78: 20-31.—**Pick, A.** Pathologische Beiträge zur Psychologie der Aussage. Arch. Krim., 1914, 57: 193-215.—**Ranschburg, P.** Leicht schwachsinnige Kinder als Zeugen. Eos, Wien, 1907, 3: 81-101.—**Reichel, H.** Verwertung eines Zeugen wegen Untauglichkeit. Arch. Krim., 1907, 26: 144.—**Rogues de Fursac, J.** Le témoignage des psychopathes. Ann. méd. lég., Par., 1926, 6: 177-214. Also Presse méd., 1926, 34: 853. — Rapport sur le témoignage des psychopathes. Arch. internat. neur., Par., 1926, 19, ser., 2: 44-53.—**Sacerdate, A.** Contributo allo studio sulla fallacia delle testimonianze. Arch. psychiat., Tor., 1907, 28: 559-66.—**Schouten, H. J.** Ein wegen Zeugenaussage merkwürdiger Fall aus der alten niederländischen Kriminalgeschichte. Arch. Krim., 1911, 41: 67-74.—**Sommer.** Die strafrechtliche Bewertung von Behauptungen hysterischer Personen. Deut. med. Wschr., 1934, 60: 65.—**Stefan, H.** Zur Frage der Testierfähigkeit. Psychiat. neur. Wschr., 1939, 41: 345-8.—**Stern, W.** Ueber psychologische Zeugenbegutachtung. Deut. med. Wschr., 1930, 56: 1467-70.—**Türkel, S.** Zur Beurteilung von über Gehörswahrnehmungen berichtenden Zeugenaussagen. Arch. Krim., 1926, 78: 258.—**Wyatt, S.** The testimony of normal and mentally defective children. Rep. Brit. Ass. Advance. Sc. (1913) 1914, 690.

INCARCERATION.

See under part or organ incarcerated as **Hernia**, incarcerated; **Uterus [pregnant]**, incarcerated.

INCE, Richard Basil, 1881-

See **Hort, G. M., Ince, R. B., & Swainson, W. P.** Three famous occultists. 190p. 19cm. Phila., 1940.

INCENDIARISM.

See also **Fire.** For the morbid impulse of setting fire to buildings see **Pyromania.**

FINSCHER, H. *Ueber jugendliche Brandstifter [Kiel] 75p. 8°. Bonn, 1930.

HEROLD, E. *Zwei Fälle von Brandstiftung bei Hysterie und Imbezillität [Kiel] 48p. 8°. Heidelb., 1913.

PETTKER, W. *Zur forensischen Beurteilung der Brandstiftung bei jugendlichen Imbezillen. 36p. 8°. Kiel, 1916.

STRAUSS, A. *Zur forensischen Beurteilung von Brandstiftung durch Geisteskranke. 26p. 8°. Kiel, 1913.

Amschl, A. Die Donawitzer Brände in den Jahren 1893 und 1894. Arch. Krim., 1903, 12: 1-24.—**Bauer, R.** Betrachtungen über das Verbrechen der Brandlegung. Ibid., 1905, 20: 134-41. — Eine 14jährige Brandlegerin. Ibid., 21: 269-71.—**Bender.** Zwei merkwürdige Fälle von falschem Verdacht der Brandstiftung. Ibid., 1921, 74: 18-31.—**Bernhard, H.** Ueber jugendliche Brandstifter. Aerztl. Sachverst. Ztg., 1930, 36: 51-60.—**Bohnhoeffer, K., & Zuti, J.** Ueber den Geisteszustand des Reichstagsbrandstifters Marinus van der Lubbe. Mschr. Psychiat., 1934, 89: 185-213.—**Camará Silveira, J.** Pericias de accidentes e incêndios. Arq. polic. civ. S. Paulo, 1941, 2: 193.—**Castellanos, I., & Plasencia Maydagán, R.** Incendio de un camión. Rev. med. forense, Habana, 1941, 1: 106-11.—**Christie, T.** Criminal lunatics and the crime of arson; 100 cases. Brit. M. J., 1930, 1: 162.—**Crowder, F.** What length apron strings. Hygeia, Chic., 1936, 14: 402-5.—**Di Paravicini Torres, G.** Elementos de pericia em incêndio. Arq. polic. civ. S. Paulo, 1941, 2: 153; 1942, 3: 195; passim.—**Hausner.** Brandstiftungen. Arch. Krim., 1907, 26: 225-35.—**Kant, O.** Beitrag zur Psychologie der Brandstiftung. Ibid., 1926, 79: 58-74.—**Kersten.** Brandstiftung. Ibid., 1904, 15: 277.—**Klaar.** Erfahrungen mit einer pommerschen Brandstifterbande. Ibid., 1937, 100: 225; 101: 47; 128; 232.—**Klauser, H.** Brandstiftung durch eine Katze? gebrannter Kalk durch urinierende Tiere zum Glühen gebracht. Ibid., 1938, 103: 49, 14 pl.—**Kreft, J.** Dient die Schwadentheorie des Herrn Dr. Schatz zur Klärung von Zweifelsfällen bei Brandermittlungen? Ibid., 212-25.—**Leroy, R.** Examen médico-légal d'une jeune incendiaire. Bull. Soc. méd. forense, 1904, 45: 54-62.—**Maioffi, G.** Perizia medico-legale per incendio doloso. Cron. manic. Siena, 1905, 31: 107-16.—**Martin, E.** Brandstiftung aus Heimweh. Arch. Krim., 1905, 20: 144.—**Mohr, H.** Brandstiftung, um Mord zu verdecken; Ueberführung des Täters durch Gruppensubstanzbestimmung des Fingernagelchmutes. Ibid., 1935, 97: 100-03.—**Morelli, B. Jr.** Danos á propriedade por incendio. Arq. Inst. med. leg., Rio, 1932, No. 5, 65-71.—**Reichel, H.** Brandstiftung aus Heimweh. Arch. Krim., 1910, 36: 193.—**Reitberger, L.** Echte und vorgetäuschte Brandursachen. Ibid., 1939, 105: 13-7. — Brandstifter; Erfahrungen aus der staatsanwaltschaftlichen Praxis in Bayern.

Ibid., 57; 114.—**Rokitansky, K. von.** Zweimalige Brandlegung aus Heimweh. Ibid., 1910, 38: 138-42.—**Sch., E.** Brandstiftertrübsinn in Nordamerika. Ibid., 1914, 57: 189.—**Schatz, W.** Erfahrungen bei der Ermittlung von Brandursachen. Ibid., 1931, 94: 1-7.—**Scheller, H.** Spektrographische Identifizierung von Zigarettenmündstücken. Deut. Zschr. gerichtl. Med., 1937-38, 29: 200-2.—**Schmidt-Lamberg, H.** Kinder als Brandstifter. Allg. Zschr. Psychiat., 1932, 98: 377-80.—**Schöss, H.** Wiederholte Brandstiftung unter dem Einflusse des Alkohols. Wien. med. Wschr., 1903, 53: 953-8.—**Specht, W.** Optische Methoden zur Identifizierung geringer Brandmittelrückstände; ein Beitrag zur Untersuchung von Brandresten. Deut. Zschr. gerichtl. Med., 1937, 28: 290-322.—**Psychologische Beiträge zur Aufklärung von Doppelbränden.** Ibid., 322-40.—**Der naturwissenschaftlich-kriminalistische Indizienbeweis in der Brandermittlung.** Ibid., 1937-38, 29: 203-48.—**Stato (Lo) mentale di Martino Van der Lubbe imputato dell'incendio del palazzo del Reichstag condannato a morte e giustiziato.** Arch. antrop. crim., Tor., 1934, 54: 86-97.—**Strassmann, G.** Gerichtsrätliche Begutachtungen von Brandstiftern, ein Beitrag zum Sicherungs- und Verwahrungsproblem. Deut. Zschr. gerichtl. Med., 1928, 12: 270-7.—**Tambroni, R.** Due imbecilli incendiari studiati sotto il punto di vista medico-legale. Gior. psychiat., 1912, 40: 186-210.—**Timm, F.** Ueber Brandstiftungen und ihren Nachweis. Arch. Krim., 1927, 81: 193-206.—**Ueber Brandstiftungen.** Ibid., 1928, 83: 306-8.—**Türkel, S.** Mehrere Ausgangspunkte eines Brandes ohne Brandlegung. Ibid., 1926, 78: 65.—**Zirovčić, I.** Slaboumnik palikuća. Liječ. vjes., 1906, 28: 219-23.—**Zagonetan palež.** Ibid., 1908, 30: 231-5.—**Učitelj palikuća.** Ibid., 1911, 33: 313-21.

INCENDIARY.

See also Air-raid; Burn; Chemical; Chemical warfare; Fire.

Chemical warfare through the ages; incendiaries and poisonous fumes used since biblical times; flame throwers known to ancients; a chronicle of past precedents compiled from varied sources. Chem. Warf. Bull., 1942, 28: 148-52.—**Existing water type fire extinguishers effective on light magnesium incendiary bombs.** Hospitals, 1941, 15: No. 11, 80.—**Forbranding med en brandstiftende fosfor-kautsjuk-oplysning.** Ugeskr. læger, 1941, 103: 1465.—**Fuhs, H.** Hautschäden durch Brandbomben und chemische Kampfstoffe. Wien. klin. Wschr., 1940, 53: 40-4.—**Otto, C. E.** Fires from incendiary bombs. Chem. Warf. Bull., 1941, 27: 94-8, illust.—**Structural protection against incendiary bombs.** J. Franklin Inst., 1942, 233: 381.—**Watt, A. H.** The screening smokes and the incendiaries. In his Gas Warfare, N. Y., 1942, 69-83.—**Zanetti, J. E.** Strategy of incendiaries. Chem. Warf. Bull., 1941, 27: 41-4.

INCENTIVE.

See also Conditioned reflex; Learning; Motivation; Stimulus.

Berze, J. Psychischer Antrieb und Hirnstamm. Psychiat. neur. Wschr., 1926, 28: 62.—**Störungen des psychischen Antriebes.** Zschr. ges. Neur. Psychiat., 1932, 142: 720-73.—**Crespi, L. P.** Quantitative variation of incentive and performance in the white rat. Psychol. Bull., 1942, 39: 442 (Abstr.).—**Doreus, R. M.** A new device for studying motivation in rats. J. Comp. Psychol., 1934, 18: 149-51.—**Hurlock, E. B.** The psychology of incentives. J. Social Psychol., 1931, 2: 261-305.—**McDougall, W.** Motives in the light of recent discoveries. Mind, Lond., 1920, 29: 277-93.—**Mace, C. A.** The influence of indirect incentives upon the accuracy of skilled movements. Brit. J. Psychol., 1931, 22: 101-14.—**Maciver, R. M.** The imputation of motives. Am. J. Sociol., 1940-41, 46: 1-12.—**Nagge, J. W.** Motivation and incentive. In his Psychol. Child, N. Y., 1942, 370-409.—**The experimental study of incentives.** Ibid., 393-404.—**Rethlingshafer, D.** Experimental evidence for functional autonomy of motives. J. Elisha Mitchell Sci. Soc., 1942, 58: 137.—**Stocks, J. L.** Motive. Mind, Lond., 1911, n. ser., 20: 54-66.

INCEST.

See Coitus, Incest.

INCHAUSTI, José Andrés. *Morfología sanguínea en los vertebrados [Pharm.] 39p. tab. pl. 27cm. B. Air., L. Bernard, 1932.

INCHES, Howard von Hardenburg, 1910- Brother, heal thyself; recipes by Caroline Hills Inches. 333p. illust. pl. portr. 24cm. Clevel., The New Hunger pub., 1938.

INCINERATION.

See such headings as Chemistry, Methods; Cremation; Mineral, Chemistry, etc.; also Incinerator.

INCINERATOR.

See also Garbage, Disposal; Incinerator.

Chukerbuti, J. C. Collapsible swing incinerator. J. R. Army M. Corps, 1931, 56: 453.—**Cohn, M. M.** Highlights of incinerator construction, 1941; sanitary disposal of municipal, institutional and industrial refuse and wastes reported; collection strikes hit city systems. Sewage Works Engin., 1942, 13: 87.—**Gwin, T. J.** Screenings incinerator. Sewage Works J., 1942, 14: 715.—**Herber, J.** Un four à incinérer les ordures des camps. Ann. hyg., Par., 1939, n. ser., 17: 502-4.—**Hutchinson, J. A.** Benefits derived from the incineration of refuse in the city of Westmount. Bull. san., Montréal, 1910, 10: [Discussion] 88-92.—**Martin, H. G.** Incinerator in combination with latrines or the like. U. S. Patent Off., 1942, No. 2,279,577.—**Orpen, W. W.** Practical operation of incinerators. Pub. Health News, Trenton, 1941, 25: 236-40.—**Report (A) on the A. S. H. faeces destructor and oil-and-water-flash fire burner; designed by members of the staff of the Field Sanitation Department of the Army School of Hygiene.** J. R. Army M. Corps, 1942, 78: 209-19.—**Stilson, A. E.** Incinerators; design, construction, cost and location. Pub. Health News, Trenton, 1941, 25: 227-36.—**Tate, R. G. F.** A new type of incinerator. J. R. Army M. Corps, 1909, 12: 559-63.

INCISION.

See Surgery; Wound.

INCISIVE canal [Stensen]

See under Nasal fossa.

INCISOR.

See under Tooth.

INCLAN, Alberto. Artrorisis posterior y anterior del tobillo, asociada a la triple artrodesis en el pie pendulo y pie calcaneo paralítico. 29p. illust. 26cm. La Habana, Hermes, 1939.

INCLAN Costa, Clemente José [M. D. 1901, Habana]

For portrait see Bol. Soc. cubana pediat., 1938, 10: 153.

INCLUSION blennorrhea.

See also Conjunctivitis, inclusion; Genitals, Disease; Ophthalmia, neonatal; Urethritis; Vagina, Disease.

HUMMEL, K. *Ueber Einschlussblennorrhöe der Neugeborenen [München] 16p. 8° Würzb., 1936.

Barabás, E. Zur Symptomatologie der Chlamydozoön-Urethritis. Deliber. Congr. dermat. internat. (1935) 1935-37, 9. Congr., 2: 974-6.—**Barnshaw, H. D.** Inclusion blennorrhea. J. M. Soc. N. Jersey, 1941, 38: 312-4. Also South. M. & S., 1941, 103: 386.—**Fischer, M. & Pasch, C.** Zur Frage der Einschlussblennorrhöe Neugeborener und Einschlussvaginits. Zbl. Gyn., 1924, 48: 1539-50.—**Giddens, S. W., & Howard, W. A.** Inclusion blennorrhea in pediatric practice. Med. Ann. District of Columbia, 1940, 9: 333-41.—**Harrison, L. W.** The relation between some forms of non-gonococcal urethritis, lymphogranuloma inguinale, trachoma, and inclusion blennorrhea; critical review. Brit. J. Vener. Dis., 1939, 15: 237-59, pl.—**James, W. M.** Inclusion blennorrhea. Am. J. Ophth., 1930, n. ser., 13: 1084-9.—**Julianelle, L. A., Harrison, R. W., & Lange, A. C.** Studies on inclusion blennorrhea; expressional transmission. Ibid., 1938, 3. ser., 21: 1137-47 [Discussion] 1381.—**Lewis, P. M.** Inclusion blennorrhea. Ibid., 1942, 25: 595.—**McKee, S. H.** Inclusion blennorrhea. Ibid., 1935, 18: 36-46. Also Canad. M. Ass. J., 1935, 32: 119-22.—**Okamura, K., Takano, Y., & Mitui, Y.** [Ueber die Beziehung zwischen Einschlussblennorrhöe und Genitalorgan] Acta Soc. ophth. jap., 1940, 44: 1986-2001.—**Patat, P.** [Role of genital inclusion-bodies in gynecology and obstetrics] Orvosképzés, 1935, 25: 570-4, 3 pl.—**Schmitz, H.** Ueber Einschlüsse in den Harnröhrenepithelien bei chronischer Urethritis. Derm. Zschr., 1928, 52: 116-8.—**Takano, Y.** Ueber die klinische Beobachtung der Einschlussblennorrhöe. Acta Soc. ophth. jap., 1940, 44: 8.—**Tilden, E. B., & Gifford, S. R.** Filtration experiments with the virus of inclusion blennorrhea. Arch. Ophth., Chic., 1936, 16: 51-4.

INCLUSION body.

See also Virus disease; also proper names of virus diseases as Conjunctivitis, inclusion; Herpes; Mosaic disease, etc.

FINDLAY, G. M. Inclusion bodies and their relationship to viruses. p.292-368. 25cm. Wien, 1938.

Black, C. E. Interpretations of neurotropic virus cell inclusions, with special reference to the Negri body. *J. Infect. Dis.*, 1940, 67: 42-7.—**Broadhurst, J., Liming, R. A.** [et al.] Cultivation of cytoplasmic inclusion bodies occurring in human throat epithelial tissues. *J. Bact., Balt.*, 1936, 31: 41.—**Campbell, J. A.** An inclusion body in the liver cells of the mouse. *J. Path. Bact., Lond.*, 1939, 48: 223, pl.—**Cherniuk, E. K.** [Investigation on the nature of intracellular inclusion bodies in rats] *Tr. Konf. med. biol. Kiev* (1936) 1937, 230-4.—**Clarke, J. J.** Viruses and cell-inclusions. *J. Trop. M. Hyg., Lond.*, 1929, 32: 231-3.—**Covell, W. P.** The occurrence of intranuclear inclusions in monkeys unaccompanied by specific signs of disease. *Am. J. Path.*, 1932, 8: 151-7, pl.—**Cowdry, E. V.** Identification of inclusions in virus diseases. *Am. J. Clin. Path.*, 1940, 10: 133-46.—**Glaser, R. W., & Lacaille, C. W., jr.** Relation of the virus and the inclusion bodies of silkworm jaundice. *Am. J. Hyg.*, 1934, 20: 454-64.—**Grüter, W.** Nature of the Prowazek bodies and other inclusion bodies. *Arch. Ophth., Chic.*, 1938, 19: 641.—**Haagen, E., & Kodama, M.** Zur Frage der Entstehung der Einschlusskörperchen; Untersuchungen an virusinfizierten Gewebekulturen. *Arch. exp. Zellforsch.*, 1936-37, 19: 421-7.—**Hirsch, E. F.** Radial inclusions of giant cells. *Arch. Path., Chic.*, 1935, 20: 665-82.—**Kunitomo, N.** Studies on the inclusion bodies of Prowazek. *Acta Soc. ophth. jap.*, 1939, 43: 165.—**Levaditi, C.** Ultravirus et fluorescence; méthode d'estimation numérique des corpuscules élémentaires de la vaccine. *C. rend. Soc. biol.*, 1939, 130: 849-52.—**Krassnoff, D.** [et al.] Ultravirus et fluorescence; numération des corpuscules élémentaires vaccinaux et ultrafiltration. *Ibid.*, 131: 35-9.—**Lipschütz, B.** Kritik und Diagnose der Zeileinschlussbildung. *Zbl. Bakt.*, 1. Abt., 1925, 96: Orig., 222-7.—**Lucas, A. M.** Ultracentrifugation of intranuclear inclusions in the submaxillary glands of guinea pigs and ground moles. *Am. J. Path.*, 1936, 12: 933-47, pl.—**Markham, F. S., & Hudson, N. P.** The cellular inclusions of the submaxillary gland virus of guinea-pigs. *Tr. Chicago Path. Soc.*, 1933, 14: 135.—**Nauck, E. G., & Robinow, C.** Untersuchungen über Guarnierische Körperchen in der Gewebekultur. *Zbl. Bakt.*, 1. Abt., 1935-36, 135: 437-45, 2 pl.—**Schilling, V.** Parasitoide Zellstrukturen (Chlamydozoeneinschlüsse, usw.). *Berl. klin. Wschr.*, 1920, 57: 403.—**Stewart, F. H.** Prowazek-Halberstaedter body. *Annual Rep. Giza Ophth. Lab., Cairo*, 1933, 8: 113-7, 3 pl.—**Turevich, E. I.** On the nature of elementary bodies. *Gior. batt. immun.*, 1935, 14: 1233-9.—**Wolf, A., & Holden, M.** Studies on inclusion bodies of a neurotropic virus in various organs. *Am. J. Path.*, 1935, 11: 840.

artificial.

Birch, F. M., & Lucas, A. M. Effects of centrifugation on intranuclear inclusions produced by subcutaneous injections of aluminum oxide. *Am. J. Path.*, 1942, 18: 1051-9, incl. pl.—**Lee, J.** Nuclear changes following intravenous injection of various solutions. *Proc. Soc. Exp. Biol., N. Y.*, 1933, 31: 383-5.—**Olitsky, P. K., & Harford, C. G.** Intranuclear inclusion bodies in the tissue reactions produced by injections of certain foreign substances. *Am. J. Path.*, 1937, 13: 729-47, 2 pl.—**Sugita, Y.** Das Wesen der Prowazekischen Körperchen und der anderen Einschlusskörperchen, insbesondere über künstlich von und mittels unserer physikochemischen Methode erzeugte Körperchen. *Arch. Ophth., Berl.*, 1939-40, 141: 46-58.—**Sugita, S., & Sugita, A.** [Weiterer Studie über das Wesen der Prowazekischen Körperchen und anderen Einschlusskörperchen, speziell über unsere künstlich erzeugten Körperchen durch Pocken-Gift] *Acta Soc. ophth. jap.*, 1940, 44: 2031-7.—**Weld, J. T., Von Glahn, W. C., & Mitchell, L. C.** Production of cytoplasmic inclusions in liver cells of rats injected with certain proteins. *Proc. Soc. Exp. Biol., N. Y.*, 1941, 48: 229-33.

intranuclear.

Andrews, C. H. Virus III. in tissue cultures; the appearance of intranuclear inclusions in vitro. *Brit. J. Exp. Path.*, 1929, 10: 188-90.—**Cowdry, E. V.** The problem of intranuclear inclusions in virus diseases. *Arch. Path., Chic.*, 1934, 18: 327-42.—**Lucas, A. M., & Fox, H.** Distribution of nuclear inclusions in wild animals. *Am. J. Path.*, 1935, 11: 237-52, pl.—**Kassanis, B.** Intranuclear inclusions in virus infected plants. *Ann. Appl. Biol., Lond.*, 1939, 26: 705-9, pl.—**Kinney, T. D.** Intranuclear inclusions in infancy. *Am. J. Path.*, 1942, 18: 799-811, incl. 2 pl.—**LaVake, R. T.** The distribution of intranuclear inclusion bodies primarily involving vascular endothelium. *J. Lancet*, 1933, 53: 631-3.—**Magarinos Torres, C.** Alterations non spécifiques de l'oxychromatine et du nucléoplasme et inclusions intranucléaires dans les maladies à virus. *C. rend. Soc. biol.*, 1931, 106: 363-5.—**Sur la margination, ou apposition de la basichromatine sur la membrane nucléaire dans les inclusions intranucléaires des maladies à virus.** *Ibid.*, 366.—**Rector, L. E.** Coexistence of nuclear inclusions in salivary glands and kidneys of wild rats. *Proc. Soc. Exp. Biol., N. Y.*, 1936, 34: 700-2.—**Teruyama, N.** Ueber einen eigentümlichen Kerneinschluss. *Tr. Jap. Path. Soc.*, 1924, 14: 60.—**Turevich, E. I.** Nuclear reaction of the elementary bodies. *Bull. biol. méd. exp. URSS*, 1940, 9: 222-4.—**Wlassics, T.** Die Gleichartigkeit verschiedener basophiler Kerneinschlüsse. *Derm. Wschr.*, 1933, 97: 1376-8.—**Wolf, A., & Orton, S. T.** The occurrence of intranuclear inclusions in human nerve cells in a variety of diseases. *Bull. Neur. Inst. N. York*, 1932, 2: 194.

Pathology.

Bawden, F. C., & Sheffield, F. M. L. The intracellular inclusions of some plant virus diseases. *Ann. Appl. Biol., Lond.*, 1939, 26: 102-15, 2 pl.—**Cowdry, E. V.** The nature and significance of cellular bodies in diseases due to filterable viruses. *J. Bact., Balt.*, 1927, 13: 20.—**Gilbert, S. J., & Simmins, G. B.** Notes on a minor outbreak of cell inclusion disease. *J. Comp. Path., Lond.*, 1936, 49: 148-50.—**Goodpasture, E. W.** Cellular inclusions and the etiology of virus disease. *Arch. Path., Chic.*, 1929, 7: 114-32.—**Hammer-schmidt, J.** Die Genese der Einschlusskörper in der Haut bei einigen Chlamydozoenerkrankungen. *Wien. klin. Wschr.*, 1918, 31: 271.—**Komarov, A.** A study on cell-inclusion disease in fowls; on the diagnostic value of the chromatic inclusions in the leucocytes. *J. Comp. Path., Lond.*, 1934, 47: 296-301.—**La Ferla, G. A.** Sul significato di taluni inclusi cellulari riscontrati in condizioni normali e patologiche nella congiuntiva ed in altre mucose. *Ann. ottalm.*, 1912, 41: 255-77.—**Landrieu.** Les maladies à inclusions. *Biologica, Par.*, 1913, 3: 8-15.—**Lewy, F. H.** Die Entstehung der Einschlusskörper und ihre Bedeutung für die systematische Einordnung der sogenannten Viruskrankheiten. *Deut. Zschr. Nervenhe.*, 1932, 124: 93-100.—**Lipschütz, B.** Ueber Chlamydozoa-Strongyloplasma; cytologische Untersuchungen über das Condyloma acuminatum. *Arch. Derm. Syph., Berl.*, 1923-24, 146: 427-42.—**Die mikroskopischen Grundlagen der Lehre von den Einschlusskrankheiten (Chlamydozoen-Strongyloplasma)** Seuchenbekämpfung, 1926, 3: 79-95.—**McKinley, E. B.** Filterable virus and rickettsia diseases in the tropics; intracellular inclusions in filterable virus diseases. *Porto Rico J. Pub. Health*, 1929-30, 5: 114-33.—**Miller, E. D.** A study of the bacterial and alleged mitochondrial content of the cells of the clover nodule. *Biol. Bull.*, 1937, 73: 112-25.—**Nevidomsky, M. M.** [Elementary bodies of tumors] *J. mikrob.*, Moskva, 1941, No. 4, 58-63, pl.—**Research on the elementary bodies in virus disease.** *J. Am. M. Ass.*, 1935, 105: 1352.—**Ross, E. H.** Cell-inclusions in scarlet fever and measles, a suggestion for the preventive treatment of these diseases. *J. State M., Lond.*, 1914, 22: 94-8.—**Sályi, G.** [Primary inclusion in ultravirus diseases] *Allatorv. lap.*, 1937, 60: 185-91.—**Schilling, V.** Zur Frage der Einschlusskörper (Chlamydozoen, von Prowazek) Erythromegalie, eine neue Erkrankung der Ringelnatter (*Tropidomachus natrix*) mit Toddschen Einschlüssen (Chlamydozoide) *Arch. Schiff's Tropenhyg.*, 1925, 29: Beih. 1, 316-22, 3 pl.—**Sheffield, F. M. L.** The formation of intracellular inclusions in solanaceous hosts infected with aucuba mosaic of tomato. *Ann. Appl. Biol., Lond.*, 1931, 18: 471-93, 9 pl.—**Experiments bearing on the nature of intracellular inclusions in plant virus diseases.** *Ibid.*, 1934, 21: 430-53, 3 pl.—**Smith, J. H.** Virus diseases in plants; the amoeboid intracellular inclusions. *Biol. Rev. Cambridge Philos. Soc.*, 1930, 5: 164-9.

Staining.

Gutstein, M. New direct staining methods for elementary bodies. *J. Path. Bact., Lond.*, 1937, 45: 313.—**Herzberg, K.** Ueber die färberische Darstellung einiger Virusarten (Elementarkörperchen) unter besonderer Berücksichtigung der intracellulären Vermehrungsvorgänge. *Klin. Wschr.*, 1936, 15: 1385-9.—**Lépine, P.** Méthode de coloration histologique du névraxe pour l'étude cytologique de la rage et des maladies à virus (inclusion nucléaires et inclusions protoplasmiques) *C. rend. Soc. biol.*, 1935, 119: 804.—**Nicolau, S.** Colorabilité et morphologie de quelques ultravirus; morphogénèse des inclusions qu'ils produisent. *Ann. Inst. Pasteur, Par.*, 1938, 61: 860-2.—**Ruiter, M.** [Virus staining; attempt to demonstrate elementary bodies in sebaceous cysts and pemphigus vulgaris] *Ned. tschr. geneesk.*, 1940, 84: 4955.

INCOME.

See also **Charity; Diet, Economic aspect; Economics; Employment; Family, Economics; Fee [physician's] Group subheadings (Diseases; Economic aspect; Economics; Social security; Welfare) Physician, Economics; Poverty; Relief; Sickness; Unemployment, etc.**

KAPLAN, A. D. H., WILLIAMS, F. M., & McCAMMAN, D. Family income in 5 New England cities, 1935-36. 351p. 8°. Wash., 1939.

UNITED STATES PUBLIC HEALTH SERVICE. NATIONAL INSTITUTE OF HEALTH. NATIONAL HEALTH SURVEY. The relief and income status of the urban population of the United States, 1935. 29p. 4°. Wash., 1938.

WILLEFORD, M. B. *Income and health in remote rural areas; a study of 400 families in Leslie County, Kentucky. 91p. 8°. N. Y., 1932.

Assessment of income of medical practitioners. *J. Ind. M. Ass.*, 1940-41, 10: 346.—**Balsamo, J.** Situación económica de los médicos. *Rev. méd. veracruz.*, 1937, 17: 2368-70.—

Buerki, R. C. Medical care of the American people; income and distribution of physicians from the standpoint of the hospitals. *J. Ass. Am. M. Coll.*, 1934, 9: 204-15.—**Collins, S. D., & Perrott, G. St J.** The economic depression and sickness. *J. Am. Statist. Ass.*, 1934, n. ser., 29: Suppl. No. 185A, 47-51.—**Cooper, C. E., & Hillkowitz, P.** An analysis of the incomes of physicians in Colorado for the period 1930 to 1933. *Colorado M.*, 1933, 30: 478.—**Finkenrath, K.** Einnahmen der Aerzte in Deutschland. *Deut. med. Wschr.*, 1932, 58: 1332.—**Geiger, A. J.** They do without dollars. *Med. Econom.*, 1939-40, 17: No. 1, 31-4.—**Grouping (A)** of doctors by incomes. *Ibid.*, 1941-42, 19: No. 2, 56.—**Leland, R. G.** Income from medical practice. *J. Am. M. Ass.*, 1931, 95: 1683-91.—**Mulfinger, C. L.** Doctors' incomes. *Med. Rev. of Rev.*, 1932, 38: 667-70.—**Notes on the Excess Profits Tax Act, 1940:** methods of determining standard income. *N. Zealand M. J.*, 1941, 40: 335-40.—**Perrott, G. St J., & Collins, S. D.** Sickness and the depression; a preliminary report upon a survey of wage-earning families in Baltimore, Cleveland, and Syracuse. *Q. Bull. Milbank Mem. Fund*, 1934, 12: 28-34.—**Sydenstricker, E.** Sickness and the economic depression; preliminary report on illness in families of wage earners in Birmingham, Detroit, and Pittsburgh. *Pub. Health Rep.*, Wash., 1933, 48: 1251-64.—**Richardson, W. A.** Medical incomes in metropolitan areas. *Med. Econom.*, 1941-42, 19: No. 5, 71.—**Schuurmans Stekhoven, W.** [The income of the physician as a social-economic question] *Ned. tschr. geneesk.*, 1939, 83: 4257-9.—**Share of the profession's total income** received by each tenth of M. D.'s. *Med. Econom.*, 1941-42, 19: No. 7, 56.—**Tucker, R. S.** Distribution of income in 1935-36. *J. Am. Statist. Ass.*, 1942, 37: 489-95.—**Warner, E. F.** Health and the economic depression. *Med. Woman J.*, 1934, 41: 81-3.—**White, R. C.** Low-income classes. *Am. J. Sociol.*, 1941-42, 47: 918-28.

INCOME (The) and property tax. Passed 22nd June 1842; by a Barrister. 11. thousand. xiv, 50p. 8°. Lond., J. Gilbert [1842]

INCOME tax.

See also **Income; Physician, Economics; Taxation.**

JOACHIM, H. *Der Arzt im Einkommensteuergesetz.* 80p. 8°. Jena, 1933.

Allowances for invalid children. *Lancet*, Lond., 1942, 1: 634.—**Arzt und Steuer;** wann erhält man bei Rückgang des Einkommens und Vermögens eine Ermässigung der Bürgersteuer? *Fortsch. Med.*, 1941, 59: 84.—**Brandenburg, K.** Der Steuerführer für Aerzte, Zahnärzte und Dentisten. *Med. Klin.*, Berl., 1940, 36: 256 (microfilm)—**Bronner.** Die Einkommensteuer des Arztes. *Deut. med. Wschr.*, 1927, 53: 1356.—**Burkardt.** Der Kriegszuschlag zur Einkommensteuer. *Med. Welt*, 1939, 13: 1517.—**Complicated tax system for French physicians.** *J. Am. M. Ass.*, 1938, 110: 1763.—**Cordes.** Die Aussenstände der Aerzte bei der Einkommensteuer. *Med. Klin.*, Berl., 1940, 36: 1348 (microfilm) — Zuschüsse für den Kassenarzt zum Ausgleich von Familienlasten sind einkommensteuerpflichtig. *Med. Welt*, 1940, 14: 798.—**Dominion income tax returns** by members of the medical profession. *Nova Scotia M. Bull.*, 1940, 19: 647. Also *Bull. Vancouver M. Ass.*, 1942, 18: 207.—**Fortuin, J.** [The income-tax 1940-41, and mobilized reserve officers (dentists)] *Tschr. tandheelk.*, 1940, 47: 467-70.—**Leroux, A. G.** L'impôt du dentiste. *J. Canad. Dent. Ass.*, 1942, 8: 566-70.—**Reiber, F.** Die neuen Vorauszahlungen für die Einkommensteuer; wann kann der Arzt nach den neuen Bestimmungen die Herabsetzung der Vorauszahlungen erreichen? *Med. Welt*, 1938, 12: 1504.—**Rejthárek, S.** [Income tax on doctors] *Věst. česk. lék.*, 1926, 38: 803-5.—**Ribadeau Dumas, H.** Le médecin et l'impôt sur le revenu. *Gaz. hôp.*, 1924, 97: 1638-40.—**[Rumania]** Taxation on basis of prescription writing. *J. Am. M. Ass.*, 1936, 106: 480.—**Schultze-Brachmann.** Einkommensteuerpflicht für die Leistungen der Familienlastenausgleichskasse der KVD. *Med. Klin.*, Berl., 1940, 36: 664 (microfilm)—**Sonntag, G.** Kinderzuschläge und Kinderbeihilfen für Beamte, Angestellte und Arbeiter. *Vertrauensarzt*, 1941, 9: 67.—**Spohr, W.** Zweifelsfragen bei Abgabe der Steuererklärung für 1935. *Med. Welt*, 1936, 10: 212.—**Steinwallner.** Steuerliche Behandlung von Gehilfinnen eines ärztlichen Haushalts. *Med. Klin.*, Berl., 1939, 35: 198.—**Wolf, J.** Die steuerliche Behandlung bei Beschäftigung eigener Kinder in der Praxis. *Deut. med. Wschr.*, 1939, 65: 929.—**Wuth, K.** Die Einkommensteuer von den Kassen-Einkünften. *Ibid.*, 1940, 66: 1082. — Die Kraftwagenkosten des Arztes in neuer Steuerrechtsprechung. *Med. Welt*, 1940, 14: 828. — Die Anfechtung des Steuerbescheids und die Kostenfrage. *Ibid.*, 1941, 15: 538.

United States.

Baker, R. M. L. Income taxes and the doctor. *Clin. Osteopath.*, 1940, 36: 105-12.—**Barwick, C. F.** The assessment and collection of the federal income tax (1929-31) *Bull. George Washington Univ.*, 1931, 65-9.—**Check-list of professional income tax deductions;** study of these deductions will aid in reducing your 1942 tax bill. *Med. Econom.*, 1942-43, 20: No. 4, 36.—**Dentist's (The) federal income tax, 1942.** *J. Am. Dent. Ass.*, 1942, 29: 301-4.—**Drolet, E., & Mathews, I. A.** Chiro-

podist's federal income tax, 1942. *Chiropr. Rec.*, 1942, 25: 33.—**Federal income tax on accounts receivable.** *J. Am. M. Ass.*, 1942, 118: 149.—**Federal income taxes;** Revenue Act of 1942, oath no longer necessary. *J. Am. Osteopath. Ass.*, 1942-43, 42: 164.—**H. J. W.** Book accounts and Federal income tax. *Nebraska M. J.*, 1942, 27: 25.—**Hacker, S.** Income-tax savings. *Med. Econom.*, 1941-42, 19: No. 4, 66; 110.—**Hadley, K. W.** The physician and his Federal income tax. *Connecticut M. J.*, 1942, 6: 59-61.—**Hartman, K. C.** Have you made your plans for your income taxes? *Iowa Dent. Bull.*, 1942, 28: 12.—**Holloway, J. W., jr.** Concerning federal income tax on accounts receivable. *California West. M.*, 1942, 56: 275.—**Income tax provisions affecting the medical profession.** *Wisconsin M. J.*, 1934, 33: 137-45; passim.—**Lasser, J. K.** Keeping your income tax down. *Med. Econom.*, 1940-41, 18: No. 5, 71-8.—**Lewis, S. R.** Preparation of dentists' income tax returns. *Illinois Dent. J.*, 1942, 11: 51-5.—**Maxfield, T. B.** The professional man's business records and income tax. *Cornell Vet.*, 1942, 32: 103-12.—**Paxman, T. D.** How income and victory taxes affect the medical profession. *Med. Ann. District of Columbia*, 1942, 11: 493.—**Payette, H. J.** You are going to pay more taxes. *J. Michigan M. Soc.*, 1941, 40: 995; passim.—**Payment of income tax by persons in military service.** *J. Am. M. Ass.*, 1942, 118: 737.—**Physician's (The) income tax [1938-1942]** *Ibid.*, 1938, 110: 45B-47B; 1939, 112: 151-3; 1940, 114: 254-6; 1941, 116: 520-2; 1942, 118: 387-90.—**Physician's (The) income tax** 1941. *J. Missouri M. Ass.*, 1941, 38: 100-2. Also *Week. Roster, Phila.*, 1940-41, 36: 810-4.—**Revenue (The) Act of 1942;** taxation of accounts receivable; income of charitable hospitals; deductions of medical expenses. *California West. M.*, 1942, 57: 258.—**Smith, W. H.** Federal income tax as it applies to professional men. *J. Indiana M. Ass.*, 1936, 29: 85. — Your Federal income tax. *Ibid.*, 1941, 34: 86.—**Swope, C. D.** Federal income taxes. *J. Am. Osteopath. Ass.*, 1941-42, 41: 284.—**Taxes;** credit association composed in part of physicians not exempt from taxation. *J. Am. M. Ass.*, 1938, 110: 2178.—**Taxes, Federal income;** accounts receivable as gross income for taxable year in which death occurs. *Ibid.*, 1941, 116: 2426.—**Taxes;** salary of physician employed by state hospital not exempt from Federal income tax. *Ibid.*, 2620.—**There should be no tax on health.** *J. Indiana M. Ass.*, 1942, 35: 159.—**When, how and where physicians should file Federal and State tax returns and pay the taxes which are due.** *Ohio M. J.*, 1940, 36: 189-95.

INCOMPATIBILITY.

See **Drug, Incompatibility; also Reproduction.**

INCOMPETENCE.

See **Incapacity [mental]**

INCONSTANS bacillus.

Braun, H., & Löwenstein, P. Ueber den Bacillus inconstans; zugleich ein Beitrag zur Bedeutung der Züchtungstemperatur für die Entwicklung der Geisseln und des antigenen Apparates. *Zbl. Bakt.*, 1. Abt., 1923-24, 91: Orig., 1-11.

INCONTINENCE.

See under such headings as **Anus, Sphincter; Incontinence; Bladder, Sphincter; Insufficiency; Enuresis; Sex life.**

INCOORDINATION [motor]

See **Ataxia; Chorea; Tabes dorsalis, etc.**

INCORONATO, Angelo. Di un'anomalia del poligono arterioso cerebrale. p.95-100. pl. 8°. Roma, 1873.

Cutting from *Ricerc. Co. Lab. anat. norm.* Roma, 1873, 1:

INCRETION.

See **Endocrine gland, Secretion; Endocrine system, Function; Hormone.**

INCUBATION.

See also **Bacteria, Cultivation; Egg, Hatchability; Egg industry; Embryogeny; Incubator; Ovum.**

Cunningham, B., & Hurwitz, A. P. Water absorption by reptile eggs during incubation. *Am. Natur.*, 1936, 70: 590-5.—**Dawydoff, C.** Incubation des oeufs et viviparité chez les cooliplandes indochinois. *C. rend. Acad. sc.*, 1940, 211: 146-8.—**Dougherty, J. E.** Studies in incubation; the effect of low temperatures previous to incubation on hatchability of eggs set. *Am. J. Physiol.*, 1926, 79: 39-43.—**Lienhart, R.** Contribution à l'étude de l'incubation. *C. rend. Soc. biol.*, 1927, 97: 1296.—**Masera, E.** La concentrazione idrogenionica del succo dell'uovo di Bombyx mori L. durante la diapausa e l'incubazione. *Riv. biol.*, 1938, 25: 31-9.—**Monticelli, F. S.**

Della particolare maniera d'incubazione delle uova da parte dell'*Octopus vulgaris* Lamk. *Pubb. Staz. zool. Napoli*, 1921, 3: 187-90, pl.—**Price, J. W., & Fowler, E. V.** Eggshell cap method of incubating chick embryos. *Science*, 1940, 91: 271.—**Riboulleau, J.** Variation des substances oestrogènes de l'oeuf de poule au cours de l'incubation. *C. rend. Soc. biol.*, 1938, 129: 1045.—**Serono, C., Montezemolo, R., & Balboni, G.** Rapporto tra il contenuto in lipidi e la formazione di estrina nell'uovo in incubazione. *Rass. clin. ter.*, 1936, 35: 241-6.—**Sheard, C., & Higgins, G. M.** Production, fertility and incubation of eggs as influenced by ultraviolet light, solar irradiation and cod-liver oil. *Proc. Mayo Clin.*, 1929, 4: 90.—**Stuart, H. O., & Charles, T. B.** Incubation. *Extens. Circ. Univ. N. Hampshire Extens. Serv.*, 1930, No. 108.

INCUBATION period.

See under Infection.

INCUBATOR.

See also Bacteriology, Apparatus; Thermostat.

B., H. Etudes à culture électriques de fortune. *Gaz. sc. méd. Bordeaux*, 1920, 41: 451.—**Braun, H., & Goldschmidt, R.** Die Brutschrankluft als Stickstoff- beziehungsweise Kohlenstoffquelle für Typhus-, Paratyphus B-, Shiga-Kruse- und Coli-Bazillen. *Zbl. Bakt.*, 1. Abt., 1926-27, 101: 283-90.—**Bryan, C. S., & Jennings, L. F.** An inexpensive bacteriological incubator. *Vet. Med., Chic.*, 1941, 36: 567.—**Burian, R.** Notiz über E. Mislowitz's Mikro-Brutschrank. *Münch. med. Wochr.*, 1935, 82: 1202-4.—**Carson, C. C., West, D. E., & Mickle, F. L.** Laboratory incubator temperatures; studies of mechanical convection. *Rep. Connecticut Dep. Health*, 1934, 169-76.—**Chatton, E.** Régulateur à fléau bimétallique pour thermostats à chauffage électrique. *C. rend. Soc. biol.*, 1921, 85: 116-8.—**Coulter, C. B.** Electric heating and control mechanism for bacteriological incubators. *Arch. Path.*, 1926, 2: 528-31.—**Dammann, E.** Steril-Inkubator zur Massenzüchtung von Erregern. *Zbl. Bakt.*, 1. Abt., 1938, 141: 93.—**Hankey, R. A.** An improvised bacteriological incubator. *J. Lab. Clin. M.*, 1934, 19: 1098.—**Hansmann, G. H.** The adaptation of electric refrigeration to room temperature incubation. *Arch. Path., Chic.*, 1927, 4: 556.—**Hesse, E.** Ein behelfsmässiger, flammenloser, versendbarer Brutschrank für den Feldgebrauch. *Deut. med. Wochr.*, 1916, 42: 979.—**Jennison, M. W.** A bacteriological incubator for uniform temperatures with accurate control. *J. Bact., Balt.*, 1931, 21: 24.—**Mataušek, K., & Burijan, H.** [New model of portable incubator for bacteriological purposes] *Voj. san. glasnik*, 1935, 6: 631-8.—**Mavor, J. W., & Thatcher, E. W.** A thyatron control for incubators and water baths. *Science*, 1935, 82: 201.—**Messerschmidt, W.** Wie lassen sich starke Temperaturschwankungen in den Brutschränken mit Gasheizung vermeiden? *Deut. med. Wochr.*, 1921, 47: 1591.—**Mohr, O. L.** A cheap and practical incubator for small and delicate objects. *Anat. Rec.*, 1926-27, 34: 391-5.—**Rondeau du Noyer & Charles, G.** Sur un modèle plant d'étuve de Foot. *C. rend. Soc. biol.*, 1930, 103: 400.—**Schweizer, G.** Ein neuer Impfschrank. *Arch. Mikrob., Berl.*, 1937, 8: 407-14.

— human.

See also Prematurity.

Bauer, A. R. A combination resuscitator and incubator for new-born infants. *J. Am. Med. Ass.*, 1937, 108: 1874.—**Benedict, F. G., White, P., & Lee, R. C.** An infant incubator; employing controlled mixtures of helium and oxygen to combat respiratory failure. *Am. J. Obst.*, 1940, 39: 63-70.—**Better** care for premature infants. *Surg. Equip.*, 1940, 7: 10.—**Boothby, W. M.** Miniature oxygen chamber for infants; a modification of the Hess incubator. *Proc. Mayo Clin.*, 1934, 9: 129-31.—**Brusa, P., Fontana, C. G., & Terzano, G.** Reparto di incubazione per bambine debili congeniti. *Clin. pediatri.*, Mod., 1931, 13: 889-902.—**Caviglia, P.** Una camera incubatrice trasportabile; Pozzo-Malerga. *Atti Soc. ital. ostet.*, 1908, 14: 431-3.—**Chapple, C. C.** Controlling the external environment of premature infants in an incubator. *Tr. Am. Pediat. Soc.*, 1938, 50: 16. Also *Am. J. Dis. Child.*, 1938, 56: 459.—**—** An incubator for infants. *Am. J. Obst.*, 1938, 35: 1062-5.—**—** Baby incubator and the like. *U. S. Patent Off.*, 1941, No. 2,243,999.—**— & Kenney, A. S.** Limitation of bacterial contamination of air by a new automatic incubator for infants. *Am. J. Dis. Child.*, 1939, 57: 1058-66.—**D'Erchia, F.** Il valore morfologico della camera incubatrice dell'uovo umano. *Riv. ital. gin.*, 1936-37, 19: 159-64.—**Duhazé, P.** Réalisation simple et pratique d'une chambre chaude dans un maternité. *Bull. Soc. obst. gyn. Paris*, 1936, 25: 637. Also *Gynécologie*, 1937, 36: 154.—**Dunham, E. C., Dickinson, H. C.** [et al.] Incubators for premature infants. *Am. J. Pub. Health*, 1940, 30: 1415-21.—**Hanby, E.** Baby incubator. *U. S. Patent Off.*, 1942, No. 2,292,120.—**Harper, E. A.** An electric incubator for premature infants. *Virginia M. Month.*, 1939, 66: 408.—**Hirleman, C. W.** Incubator. *U. S. Patent Off.*, 1940, No. 2,219,185.—**Improved** (An) incubator. *Canad. Nurse*, 1935, 31: 17.—**Incubators** for the premature baby. *Pub. Health Nurs.*, 1942, 34: 244.—**Incubators**—then and now. *Surg. Equip.*, 1941, 8: 16.—**Lake, G. B.** A home-made baby incubator. *Clin. M. & S.*, 1936, 43: 608.—**Livingston, H. H.** Incubation; an improved and inexpensive incubator for premature and hypothermic infants. *N. England J. M.*, 1932, 207:

320.—**Modern incubator.** *Nurs. Times, Lond.*, 1940, 36, 1348.—**More, W.** Electrically heated cot. *Brit. M. J.*, 1938, 2: 182.—**Parmelee, A. H.** An inexpensive incubator for premature infants. *Am. J. Dis. Child.*, 1931, 41: 33.—**Parsons, M. L.** An improvised portable incubator. *Am. J. Nurs.*, 1940, 40: 640.—**Portable incubators.** *Hygeia, Chic.*, 1941, 19: 791.—**Quinn, J. L., jr.** General information about premature infant incubators. *Month. Bull. Bd Health Indiana*, 1941, 44: 109; 120.—**Rice, P. S.** Human incubator. *U. S. Patent Off.*, 1937, No. 2,093,648.—**Scientific equipment** for care of the premature infant. *Surg. Equip.*, 1938, 5: No. 6, 18-9.—**Taylor, T. A.** Infant incubator. *U. S. Patent Off.*, 1941, No. 2,246,820.—**Zaitsev, D. I.** [Simplified incubator for premature new-born] *Sovet. med.*, 1940, 4: No. 18, 27.

INCUBUS.

See Dream, Types: Nightmares.

INCUNABULUM.

See also Book; Printing.

[CHICAGO, ILL.] NEWBERRY LIBRARY. A check list of the fifteenth century books in the Newberry Library and other libraries in Chicago, compiled by Pierce Butler. 362p. 8°. Chic., 1933.

CONDIT, L. A provisional index to Roman printing types of the fifteenth century. 37p. 23½cm. Chic. [1935]

GARRISON, F. H., & MAYER, C. F. Collection of incunabula and early medical prints in the Library of the Surgeon General's Office, U. S. Army. p.1415-36. 4°. Wash., 1932.

[GERMANY] KOMMISSION FÜR DEN GESAMT-KATALOG DER WIEGENDRUCKE. Gesamtkatalog der Wiegendrucke. Lpz., 1: 1925-

HAIN, L. Repertorium bibliographicum, in quo libri omnes ab arte typographica inventa usque ad annum M. D. typis expressi ordine alphabetico vel simpliciter enumerantur vel adcuratius recensentur. 4v. 8°. Stuttgart, 1826-38.

KLEBS, A. C. Incunabula scientifica et medica; short title list. p.1-359. 8°. Bruges [1937]

NORTH CAROLINA. UNIVERSITY. LIBRARY. HANES FOUNDATION FOR THE STUDY OF THE ORIGIN AND DEVELOPMENT OF THE BOOK. Incunabula in the Hanes collection of the Library of the University of North Carolina. 126p. 24cm. Chapel Hill, N. C., 1940.

[SAN MARINO, CALIF.] HUNTINGTON LIBRARY AND ART GALLERY. Incunabula in the Huntington Library; compiled by H. R. Mead. 386p. 8°. S. Marino, Calif., 1937.

SARTON, G. Scientific incunabula. p.43-245. 8°. Bruges, 1938.

SCHRAMM, A. Der Bilderschmuck der Fröhdrucke. Lpz., 1: 1922-

STILLWELL, M. B. Incunabula in American libraries. 619p. 26cm. N. Y., 1940.

VINDEL, F. Manual gráfico-descriptivo del bibliófilo Hispano-Americano (1475-1850) Suppl. Vol. 12: Siglo xv. 205p. 4°. Madr., 1934.

[VOLLBEHR COLLECTION] Newspaper clippings on the Vollbehr collection and the speech of the Honorable Ross A. Collins in the Congressional record. 6 l. 8°. [v. p.] 1930.

WINSHIP, G. P. Printing in the fifteenth century. 158p. 21½cm. Phila., 1940.

Ballard, J. F. Medical incunabula in the William Norton Bullard collection. Boston M. & S. J., 1927, 196: 865-75.—**Bühler, C. F.** Notes on 2 incunabula printed by Aldus Manutius. *Papers Bibliogr. Soc. America*, 1942, 36: 18-26.—**Butler, P.** Incunabula markets of Europe. *Pub. Week.*, 1927, 111: No. 10, 835-9.—**Catalogue** of an exhibition of medical manuscripts and incunabula. *Bull. N. York Acad. M.*, 1929, 2, ser., 5: 278-92.—**Cunha, F.** Incunabula medica, the year 1000 A. D. *Am. J. Surg.*, 1939, 43: 807-15.—**Fisher, C. P.** A descriptive list of the incunabula in the Library of the College of Physicians of Philadelphia. *Ann. M. Hist.*, 1931, n. ser., 3: 228; 325: 439.—**Garrison, F. H.** Progress in the cataloguing of medical incunabula; with a revised check-list of the incunabula in the

Army Medical Library, Washington, D. C. Bull. N. York Acad. M., 1930, 2. ser., 6: 365-435.—**Incunabula** of the Cleveland Medical Library Association. Ann. M. Hist., 1930, n. ser., 2: 440.—**Incunabula** in the Library of the Royal College of Surgeons of England. Ibid., 1931, n. ser., 3: 674-6.—**Klebs, A. C.** Gleanings from incunabula of science and medicine. Papers Bibliogr. Soc. America, 1932, 26: 52-88.—**Medical incunabula** in the Library of the University of Michigan Medical School. Ann. M. Hist., 1931, n. ser., 3: 110-3.—**Quinby, W. C.** The manuscripts, incunabula and early books of the Hyams collection in the Boston Medical Library. J. Mount Sinai Hosp. N. York, 1937-38, 4: 654-71.

INCURABILI (GI') Nap., v.34-37, 1919-22.

INCURABLE.

See **Sickness**, incurable.

INCUS.

See **Middle ear**; **Sound**, Conduction.

INDACOCHEA Ponce de Léon, Abelardo, 1905.—*Le vert de Schweinfurt dans la prophylaxie du paludisme. 99p. 8°. Par., M. Vigné, 1935.

INDAGINE, Johannes ab, fl. ca 1530. Chirromance et physiognomie [Transl. by Antonie du Moulin] 287p. illust. 12°. Lyon, Jean de Tournes, 1549.

— [Periaxiomata de facibus signorum] Proposition astrologica et pronostication naturelle. Transl. by Antoine Des Gois. 15p. [1]p. 13cm. [text] Par., Chrestien Wechel, 1545.

INDAMINE.

See under **Quinone**.

INDAN [incl. indene]

See also **Indol**; **Indoxyl**.

Allen, C. F. H., & Gates, J. W., jr. The structures of certain highly arylated indenones and their behavior with bromine. J. Am. Chem. Soc., 1942, 64: 2127-30.—**Bachmann, W. E., & Struve, W. S.** A new synthesis of 4-ketohexahydroindan. Ibid., 1941, 63: 2589-91.—**Cameron, G. R., & Doniger, C. R.** The toxicity of indene. J. Path. Bact., Lond., 1939, 49: 529-33, pl.—**Dostal, H., & Raff, R.** Die Kinetik der thermischen Polymerisation von Inden. Zschr. phys. Chem., Abt. B, 1936, 32: 417-29.—**Gagnon, P. E., & Charette, L. P.** Contribution to the study of cis-trans isomers derived from 3,3-diphenyl-1-hydrindone; synthesis of 3,3-diphenylhydrindene and some of its derivatives. Canad. J. Res., 1941, 19: Sect. B, 275-90.—**Geissman, T. A., & Tulagin, V.** The reaction between cyclic beta-diketones and Grignard reagents; 1,3-diketo-2,2-dimethylhydrindene. J. Am. Chem. Soc., 1941, 63: 3352-6.—**Jordan, C. W.** An anomalous bromination reaction; the analytical bromination of styrene and indene by the Kaufmann method. Ibid., 1937-9.—**Lutz, G. A.** The preparation and reactions of some chlorine derivatives of indene. In Sum. Doct. Diss. Northwestern Univ., Chic., 1937, 5: 144-8.—**Orekhov, A. P.** [Synthesis of indene derivatives] J. Russ. fiz. khim. obsch., khim. ch., 1916, 48: 433-49. — [Syntheses in indene series] Ibid., 1702: 1820. — [Syntheses in the indene series; synthesis of indene ketones] Ibid., 1827-9. — & **Grinberg, R.** [Syntheses in indene series] Ibid., 1713-27.

INDEPENDANCE médical. Montréal, v.1-7, 1920-27.

INDERBITZIN, Alois. *Ueber Anosteoplasia congenita beim Kalbe [Zürich] p.665-81. 8°. Berln., J. Springer, 1928.

Also Virchow Arch., 1928, 269:

INDEX [and indexing]

See also **Bibliography**; **Catalog**; **Literature**. For anthropometrical indices see such headings as **Cranium**, **Indices** and **angles**, etc.

AMERICAN (THE) JOURNAL OF HYGIENE. Index to v.1-28 (1921-38) Authors and subjects. 168p. 26cm. [Lancaster, Pa.] 1939.

AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY. Index to v.1-22 (1918-37) Pt 1: Original articles, notes and communications. 330p. 23cm. Méx., 1941.

AMERICAN JOURNAL OF PHYSIOLOGY. Index to v.91-120 (1929-37) 383p. 24cm. Balt., 1939.

ANDRADE MAIA, J. DE. Índice-catálogo médico brasileiro, 1937-38. v.1. 300p. 27cm. S. Paulo, 1939.

BRITISH (THE) ENCYCLOPAEDIA OF MEDICAL PRACTICE. Complete index. 486p. 25cm. Lond., 1941.

CLARKE, A. L. Manual of practical indexing, including arrangement of subject catalogues. 2. ed. 276p. 8° Lond., 1933.

IRELAND, N. O. An index to indexes, a subject bibliography of published indexes. 107p. 22½cm Bost., 1942.

REVISTA DO ARQUIVO MUNICIPAL. Índice dos volumes 61-75. 105p. 23cm. S. Paulo, 1941.

ROCKEFELLER (THE) INSTITUTE FOR MEDICAL RESEARCH. STUDIES. Index, Authors, v.51-116, 1924-40. 200p. 23½cm. N. Y., 1941.

UNITED STATES. ARMY MEDICAL LIBRARY. Index-Catalogue of the Library of the Surgeon General's Office. Wash., 1. ser., v.1, 1880-

UNITED STATES. WAR DEPARTMENT. Digest of War Department directives and index to general orders, bulletins and numbered circulars. 76p. 23cm. Wash., 1942.

WEEKS, B. M. How to file and index. 261p. 8°. N. Y. [1937]

Garrison, F. H. The Quarterly Cumulative Index Medicus, what it stands for and how to use it. J. Am. M. Ass., 1927, 89: 26-9.—Index to the nation's legal periodicals. Current Leg. Thought, 1941-42, 8: 518-70.—**Mayer, C. F.** The Current List of Medical Literature, an explanation. Science, 1942, 95: 43-5.—**Pascual y Prats, J.** Conveniencia de establecer un Index metódico de los trabajos que publica la prensa. Libro de actas Congr. internae, prensa méd., (1903) 1905, 2. Congr., 142-8.—**Seidell, A.** Medical indexing. Current List M. Liter., 1942, 3: No. 13, 2, passim.

INDEX analyticus cancerologiae. Par., v.1, 1927-

INDEX bibliographique des ouvrages, mémoires et publications diverses de M. M. les médecins, chirurgiens et accoucheurs des hôpitaux et hospices. 211p. 4°. Par., Grandremy & Hénon, 1889.

INDEX-CATALOGUE of the Library of the Surgeon General's Office, U. S. Army.

See [United States] Army Medical Library. Index-Catalogue. 54v. 27½cm. Wash., 1880-

INDEX der deutschen zahnärztlichen Literatur und zahnärztliche Bibliographie.

See [Germany] Zentralverein deutscher Zahnärzte. Index der deutschen zahnärztlichen Literatur. 12v. 8°. Heidelb. (1903) 1904-(1934) 1936.

INDEX des établissements médicaux, 1938. 28p. 8°. Par., Presse méd., 1938.

INDEX generalis; annuaire général des universités, grandes écoles, académies, archives, bibliothèques, instituts scientifiques, jardins botaniques et zoologiques, musées, observatoires, sociétés savantes. Par., 1919-

INDEX médico; nomenclator del Códex medical argentino y guía general de especialidades medicinales. xlii, 458p. 26cm. B. Air., Peuser, 1941.

INDEX number.

See under **Statistics**.

INDEX of the periodical dental literature published in the English language. Compiled by Arthur D. Black. Buffalo, (1839) 1923-

INDEX veterinarius.

See under **Great Britain.** Imperial Bureau of Animal Health

[**INDIA**] All-India Institute of Hygiene and Public Health.

See Calcutta. All-India Institute of Hygiene and Public Health.

[**INDIA**] All-India Ophthalmological Society. Proceedings. Bombay, v.1, 1930-

- [INDIA] **All-India Veterinary Association.**
See **Indian** (The) veterinary journal. Madras.
- INDIA. Army. Medical Directorate.** Annual report on the health of the Army in India. Delhi, v.1 (1938) 1940—
- Health** (The) of the Indian Army. Med. Off., Lond., 1934, 52: 52.
- [INDIA] **Bundelkhund.** Part map of Bundelkhund [n. s.] 30.5 x 38cm. [n. p., n. d.]
- INDIA. Census Commissioner.** Census of India. Hyderabad, 1891—
- [INDIA] **Central Co-operative Anti-Malaria Society.**
See Calcutta. Central Co-operative Anti-Malaria Society.
- [INDIA] **Central India Agency.** Annual report of the Administrative Medical Officer on the working of the hospitals, dispensaries, jail hospitals and the registration of vital statistics. Indore, 1912—
- INDIA. Central Provinces and Berar. Public Health Department.** Annual report. Nagpur, v.1, 1868—
- Annual report on the mental hospitals. Nagpur, 1888—
Former title was Annual report on lunatic asylums.
- Annual report on hospitals. Nagpur, 1890—
- Annual public health report. 1898—
- Notes on vaccination. Nagpur, 1911—
- [INDIA] **Christian Medical Association of India, Burma and Ceylon.** Journal. Mysore City, v.16, 1941—
- INDIA. Commercial Intelligence Department.** Statistical abstract for British India. Calc., 1911/12—
- [INDIA] **Conference of Medical Research Workers.** Proceedings of the 11. Conference, Calcutta, Nov. 27-Dec. 1, 1933. 322p. 25cm. Simla, Govt pr., 1934.
- INDIA. Director of Public Information.** India in 1928/29[—] Calc., 1929—
- INDIA. Government. Health bulletin.** Delhi, 1936—

CONTENTS

- No. 5. Lectures on malaria. G. Covell, 1940.
- No. 10. Synoptic table for the identification of the anopheline mosquitoes of India. 3. ed. I. M. Puri. 1938.
- No. 12. Table for the identification of Indian freshwater fishes. 2. ed. S. L. Hora & D. D. Mukerji. 1938.
- No. 13. Instructions for collecting and forwarding mosquitoes. 3. ed. I. M. Puri. 1940.
- No. 16. Synoptic tables for the identification of the full-grown larvae of the Indian anopheline mosquitoes. 4. ed. I. M. Puri. 1941.
- No. 17. The distribution of anopheline mosquitoes in India. 2. ed. G. Covell. 1936.
- No. 18. A practical entomological course for students of malariology. 3. ed. I. M. Puri. 1942.
- No. 22. Man-made malaria in India. J. A. Sinton & R. Ram. 1936.
- No. 24. Hand-book of common water and marsh plants of India and Burma, 1936. K. Biswas & C. C. Calder. 1937.
- No. 25. The prevention of malaria incidental to engineering construction. H. W. Mulligan & M. K. Afridi. 1938.
- No. 26. What malaria costs India. J. A. Sinton. 1939.
- [INDIA] **India office list.**
See under **Great Britain.** Secretary of State for India in Council.
- [INDIA] **Jullundar Dooab.** Sketch of the Jullundar Dooab [n. s.] 25.5 x 42.5cm. [n. p., n. d.]
- INDIA. Malaria Bureau.** Bulletin.
See **India. Government.** Health bulletin.
- INDIA. Meteorological office.** Summary of the weather conditions of India. Calc., 1896—
Prior to 1915 title was India weather review, annual summary.
- India weather review. Poona, 1928—
- INDIA. North-West Frontier Province. Director of Public Health.** Annual report on the hospitals and dispensaries. Peshawar, 1902—

— Public health and vaccination report. Peshawar, 1906—

— Administrative report on the jails of the North-West Frontier Province. Peshawar, 1922—

INDIA. Pasteur Institute of India.

See Kasauli, India. Pasteur Institute of India.

INDIA. Pasteur Institute of Southern India.

See Coonoor, India. Pasteur Institute of Southern India.

INDIA. Public Health Commissioner.

See **India. Sanitary Commissioner.**

INDIA. Sanitary Commissioner. Annual report. Calc., 1864—

Before 1919 called Public Health Commissioner.

— Scientific memoirs by the officers of the medical and sanitary departments of the government. Calc., pt 1-12, 1884-1901; n. ser., No. 1-60, 1902-13.

INDIA. Southwest Frontier. Skeleton plan of the districts under the jurisdiction of the Governor General's Agent in the Southwest Frontier. Scale 1:3,294,720. 25cm x 31cm. [n. p., n. d.]

INDIA. United Provinces. Chemical Examiner. Annual report. Allahabad, 1894—

[INDIA; divisions of the country; tribes, castes and sects; history, science and art; natural history] MS. viii, 460p. fol. [n. p., n. d.]

INDIA.

See also names of cities and provinces in India as **Bengal; Bihar and Orissa; Bombay; Kedah; Mysore; Travancore**, etc.

BHAVNAGAR, INDIA. STATE COUNCIL. Administration Report (1933-34) Bhavnagar, 1935.

FAR EASTERN ASSOCIATION OF TROPICAL MEDICINE. 7. Congr. Souvenir: the Indian empire. 346p. 22½cm. Calc., 1927.

GREAT BRITAIN. SECRETARY OF STATE FOR INDIA IN COUNCIL. India (the) office list for 1933, compiled from official records. 47. pub. 1004p. 8°. Lond. [1933]

INDIA. Part map of Bundelkhund [n. s.] 30.5 x 38cm. [n. p., n. d.]

INDIA. Sketch of the Jullundar Dooab [n. s.] 25.5 x 42.5cm. [n. p., n. d.]

INDIA. BUREAU OF PUBLIC INFORMATION. India in 1930-31; a statement prepared for presentation to Parliament. 762p. 8°. Calc., 1932.

INDIA. SOUTHWEST FRONTIER. Skeleton plan of the districts under the jurisdiction of the Governor General's Agent in the Southwest Frontier; Scale 1: 3,294,720. 25 x 31cm. [n. p., n. d.]

Farr, S. E. In India. Radiography, Lond., 1937, 3: 182-4.—**Jones, H. W.** The man who understood India. Current List M. Liter., 1942, 3: No. 8, 2.—**Kalapesi, A. S., Chhapgar, S. K., & Sukheswala, R. N.** A note on the lead-ratio method for determining the age of the Deccan Traps. Current Sc., Bangalore, 1941, 10: 526-8.—**Meston, J. S.** India. Britan. Bk, 1942, 343-5.—**Murray.** On the topography of Meerutt. J. R. Army M. Corps, 1913, 601; 713.—**Pascoe, E. H.** A sketch of the geology of India. In Souvenir 7. Congr. Far East. Ass. Trop. M., Calc., 1927, 207-18, map.—**Physical features, population, political divisions, administration, railways, commerce, products and industries with a brief note on scenery and places of special historical or archaeological interest.** Ibid., 1-18.—**Ramaswami, C.** On the heat-wave over northern India in April-May, 1941. Current Sc., Bangalore, 1941, 10: 285.—**Senn, N.** Four thousand miles through India by rail in mid-summer. In his Around the World, Chic., 1905, 277-347.

— Indian summer climate. Ibid., 290-9.

— **Anthropology, ethnology, and sociology.**

See also **Caste.**

BINGLEY, A. H. Jats, gujars, and ahirs. 89p. 8°. Calc. (Repr. 1918)

— & LONGDEN, A. B. *Dogras*. 101p. 8°. Calc. (Repr. 1918)

BINGLEY, A. H., & NICHOLLS, A. *Brahmans*. [64]p. 8°. Calc. (Repr. 1918)

HAWARD, E. *A picture of India; its history, people and government*. 47p. 21cm. [Lond., 1942]

MEYER, J. J. *Sexual life in ancient India; a study in the comparative history of Indian culture*. 2v. 8°. Lond., 1930.

SYMINGTON, J. *In a Bengal jungle; stories of life on the tea gardens of northern India*. 245p. 8°. Chapel Hill [1935]

Anthropological studies in India. *Nature*, Lond., 1939, 144: 721-3.—**Anthropological survey of the people of the United Provinces of India.** *Science*, 1942, 95: 570.—**Cipriani, L.** *Brahmini del Coccin.* *Arch. antrop. etnol.*, Fir., 1939, 69: 5-30, 8 pl.—**Das Gupta, C. R.** *The Arneeth count in normal Indians.* *Ind. M. Gaz.*, 1941, 76: 404-6.—**Dasgupta, S. N.** *Indian realism; by Jadunath Sinha.* *Mind*, Lond., 1942, 51: 293.—**Eickstedt, E. von.** *Zur Anthropologie der Garhwali im Himalaya.* *Mitt. Anthrop. Ges. Wien*, 1926, 56: 173-83.

Rassengeschichte einer singhalesisch-weddaischen Adelsfamilie. *Arch. Rassenb.*, 1927, 19: 369-88, 7 pl. — *Das Bergvolk der Sora.* *Umschau*, 1927, 31: 1034. — *Das Rassenbild des westlichen und zentralen Hinterindien.* *Anthrop. Anz.*, 1928, 5: 176-87, 2 pl.—**Enthoven, R. E.** *The Ethnographical survey of India.* *Jubil. Vol. Anthrop. Soc. Bombay*, 1937, 54-63.—**Fabisch, W., & Hamburger, H. J.** *Observations on the physical development of Punjabi boys.* *Ind. J. M. Res.*, 1941, 29: 613-25.—**Frazer, J. G.** *Hindu love of offspring.* In his *Native Races of Asia*, Lond., 1939, 229. — *The Todas of southern India.* *Ibid.*, 214.—**Fürer-Haimendorf, C. von.** *Völker- und Kulturgruppen im westlichen Hinterindien, dargestellt mit Hilfe des statistischen Verfahrens (ein vorläufiger Versuch)* *Anthropos*, Mödling, 1934, 29: 421-40.—**Germano da Silva Correia, A. C.** *Anthropology in India and ethnical position of Indians.* *Arq. Esc. med. cir. Nova Goa*, 1938, sér. A, No. 12, 23-35, 14 pl.—**Ghurye, G. S.** *Physical data from Kathiawar.* *Jubil. Vol. Anthrop. Soc. Bombay*, 1937, 159-68.—*India's teeming millions.* *Calcutta M. J.*, 1938, 34: 440-2.—**Jhaveri, K. M.** *Das Leben der Hindufräuen in Indien.* *Zschr. Menschenk.*, 1927-28, 3: 307-18.—**Konrad, P. P.** *Zur Ethnographie der Bhils.* *Anthropos*, Mödling, 1939, 34: 23-117, 12 pl.—**Kurulkar, G. M., & Rajadhyaksha, V. S.** *Anthropometric measurements in Bombay; anthropometric study of 200 subjects (100 male and 100 female)* *Ind. J. M. Res.*, 1932, 20: 155-61.—**Mann, H. M.** *The untouchable classes of an Indian city.* *Sociol. Rev.*, Lond., 1912, 5: 42-55.—**Masson-Oursel, P.** *La conception indienne du fait psychologique.* *Rapp. Congr. internat. psychol.* (1937) 1938, 11, Congr. 399-401.—**Mitnitzky-Vagó, M.** *Ethos, Hypokrisie und Libidohaushalt; versuch einer libidoökonomischen Analyse der indischen Gesellschaft.* *Internat. Zschr. Psychoanal.*, Lond., 1940, 25: 356-96.—**Mitra, P. N., & Chaudhuri, H. P.** *A serological proof of ethnological identity of the Hindus and the Mohammedans of Assam.* *Ind. M. Gaz.*, 1933, 68: 393.—**Mukerjee, R.** *Caste and social change in India.* *Am. J. Sociol.*, 1937-38, 43: 377-90.—**Noronha, A. R. de.** *Alguns dados etnográficos sobre as populações da subdelegacia de Noroeli.* *Arq. Esc. med. cir. Nova Goa*, 1938, sér. A, No. 12, 319-29.—*Racial problems in the Indian census report, 1931.* *Nature*, Lond., 1933, 132: 833-5.—**Sarkar, S. S.** *Negrito racial strain in India.* *Ibid.*, 1936, 137: 1035.—**Seidenfaden, E.** *The peoples of further India; notes on the research work of Dr Hugo Bernatzik.* *Man*, Lond., 1939, 39: 69-71.—**Senn, N.** *Dress, for natives only.* In his *Around the World*, Chic., 1905, 200-2.—**Sett, M. K.** *Sri Vatsayana; an ethnological study of India of 300 B. C.* *Jubil. Vol. Anthrop. Soc. Bombay*, 1937, 195-206.—**Sewell, R. B. S.** *Racial ethnology.* In *Souvenir 7. Congr. Far East. Ass. Trop. M.*, Calc., 1927, 179-88, pl.—**Sokhey, S. S., Gokhale, S. K.** [et al.] *Normal Indian women; a study based on the examination of 101 women.* *Ind. J. M. Res.*, 1937-38, 25: 723-39.—**Spencer, D. M.** *A study of the ethnology of one of the Munda-speaking peoples of India.* *Yearb. Am. Philos. Soc.* (1940) 1941, 252.

— Art and religion.

BRAMZELIUS, A. W. *Die hinduistische Pantheon Glasmalerei; eine ethnographische, religions- und kunstgeschichtliche Studie über die hinduistischen Glasgemälde im Staatlichen ethnographischen Museum zu Stockholm (Schweden)* 117p. fol. Leiden, 1937.

Fürer-Haimendorf, C. *Gibt es in Hinterindien totemistische Kultur?* *Mitt. Anthrop. Ges. Wien*, 1932, 66: 328-37.—**Rahmann, R.** *Gottheiten der Primitivstämme im nordöstlichen Vorderindien.* *Anthropos*, Mödling, 1936, 31: 37-96.—**Reddy, D. V. S.** *The art of surgery in ancient Indian sculptures.* *Bull. Inst. Hist. M. Balt.*, 1938, 6: 81-7. — *Fainting and collapse as illustrated in ancient Indian sculpture.* *Ibid.*, 1940' 8: 277-84.—**Senn, N.** *Indian art.* In his *Around the*

World, Chic., 1905, 301-10.—**Solomon, W. E. G.** *Indian art.* In *Souvenir 7. Congr. Far East. Ass. Trop. M.*, Calc., 1927, 231-5.

— Culture and science.

BROWN, W. N. *The story of Kāḷaka: texts, history, legends, and miniature paintings of the Svetāmbara Jain hagiographical work, the Kālakācaryakathā.* 149p. fol. Wash., 1933.

DE TERRA, H., & PATERSON, T. T. *Studies on the ice age in India and associated human cultures.* 354p. 29cm. Wash., 1939.

EGGERS, W. **Das Dharmasūtra der Vaikhāṇasas; übersetzt und mit textkritischen und erklärenden Anmerkungen versehen; nebst einer Einleitung über den bramanischen Waldeinsiedler-Orden und die Vaikhāṇasa-Sekte* [Kiel] 93p. 8°. Gött., 1929.

LUPTON, A. *Happy India; as it might be if guided by modern science.* 188p. 12°. Lond. [1922]

MACKAY, E. *Die Induskultur.* 152p. 20½cm. Lpz., 1938.

RUBEN, W. *Eisenschmiede und Dämonen in Indien; Ergebnisse einer Reise, die mit Unterstützung des Forschungs-Institutes für Kulturmorphologie in Frankfurt am Main und des türkischen Unterrichtsministeriums durchgeführt wurde.* 306p. fol. Leiden, 1939.

Archaeology. In *Souvenir 7. Congr. Far East. Ass. Trop. M.*, Calc., 1927, 169-78, 4 pl.—**Brief (A)** *resume of Indian History.* *Ibid.*, 19-33.—**Brunn, von.** *Von einer bisher unbekannten früh-indischen Kultur.* *Sudhoffs Arch.*, 1935-36, 28: 347-58.—**Carleton, P.** *The Indus Valley discoveries.* In his *Buried Empires*, N. Y., 1939, 137-46.—**Clouston, D.** *Agriculture in India.* In *Souvenir 7. Congr. Far East. Ass. Trop. M.*, Calc., 1927, 141-55.—**Cowan, J. M.** *Indian botany.* *Ibid.*, 201-5, pl.—**Datta, B.** *Chronology of the history of science in India during the XVI. century.* *Archeion, Santa Fé*, 1941, 23: 78-83.—**De Terra, H.** *The megaliths of Bursahom, Kashmir, a new prehistoric civilization from India.* *Proc. Am. Philos. Soc.*, 1941-42, 85: 483-504, 3 pl.—**Hutton, J. H.** *Assam origins in relation to Oceania.* *Rep. Brit. Ass. Advance. Sc.*, 1937, 107: 161-83.—**Indian Institute of Science.** *Current Sc.*, Bangalore, 1940, 9: No. 9, Suppl., 24-27.—**Indian (The) Research Fund Association.** *Ind. M. Gaz.*, 1934, 69: 691.—**Irrigation in India.** In *Souvenir 7. Congr. Far East. Ass. Trop. M.*, Calc., 1927, 157-67.—**Mahon, A. E.** *Recent archaeological discoveries in India.* *J. Urusvati Himalay. Res. Inst.*, Calc., 1932, 2: 5-9.—**Mandelbaum, D. G.** *Culture change among the Nilgiri tribes.* *Am. Anthrop.*, 1941, 43: 19-26.—**Pizzagalli, A. M.** *L'India e le vie del mare.* *Scientia*, Bologna, 1940, 68: 110-5.—**Poisson, G.** *Les relations préhistoriques entre l'Inde et le bassin de la Méditerranée.* *Rev. anthrop.*, Par., 1937, 47: 29-45.—**Prashad, B.** *Zoology of India.* In *Souvenir 7. Congr. Far East. Ass. Trop. M.*, Calc., 1927, 189-99.—**Singh, A. N.** *On the use of series in Hindu mathematics.* *Osiris*, Bruges, 1936, 1: 606-28.—**Srāmek, E.** *Panjabi phonetics; experimental study of Amritsar dialect.* *J. Urusvati Himalay. Res. Inst.*, Calc., 1932, 2: 53-84, incl. 9 pl.—**Uvanovič, D.** *The Indian prelude to European mathematics.* *Osiris*, Bruges, 1936, 1: 652-7.

— Diseases and hygiene.

See also under **Health organization.**

DHARMAVIR, N. R. *Public health in India.* 361p. 12°. Lahore, 1934.

INTERGOVERNMENTAL CONFERENCE OF FAR-EASTERN COUNTRIES ON RURAL HYGIENE. *Preparatory Paper: Preparatory papers relating to British India.* 414p. 8°. Genève, 1937.

McNALLY, C. J. *A sanitary handbook for India, with special reference to the Madras Presidency.* 4. ed. 436p. 8°. Madras, 1911.

WILSON, D. C., & WIDDOWSON, E. M. *A comparative nutritional survey of various Indian communities.* 119p. 24½cm. Calc., 1942.

ANNESLEY, J. *Researches into the causes, nature and treatment of the most prevalent diseases of India, and of warm climates generally.* *Month. J. Foreign Med.*, 1828, 2: 66-75.—*Annual report of the public health commissioner with the government of India for 1933.* *J. Trop. M. Hyg.*, Lond., 1936, 39: Suppl., 52.—*Annual report of the Public Health Commissioner with the government of India for the year 1940.* *Ind. M. Gaz.*, 1941, 76: 756-8.—*Annual Report of the Medical Officer of Health for the year 1928.* *J. Trop. M. Hyg.*, Lond., 1930 33: Suppl., 78-80.—**Bose, B. B., & Banerji, J.** *Physical exer-*

cise and medical inspection of Indian girls. *Ind. M. Rec.*, 1927, 47: 65.—**Chatterjee, G. C.** How others see us. *Ibid.*, 1937, 57: 132-4.—**Chatterji, A. C.** Report of the nutrition and diet survey work in the province for the year 1939. *Bengal Pub. Health Rep.* (1939) 1941, 158-69.—**Chopra, R. N.** Organization of public health and medical services in India. *Calcutta M. J.*, 1941, 38: 91-4.—**Dimond, W. E. R.** Note on public health and medical services in the North-West Frontier Province. In *Prepar. Papers Intergov. Conf. Far East. Rural Hyg.*, 1937, 1. Conf., C. H. 1235(b) 297-303.—**Fabisch, W., & Hamburger, H. J.** Health survey of Punjabi boys; skeletal system, lymphatic organs and circulation. *Ind. M. Gaz.*, 1942, 77: 206-10.—**Ghosh, J. C.** Rural sanitation; a key to success. *Ind. M. Rec.*, 1933, 53: 67-9.—**Health (The) of India.** *Med. Off.*, Lond., 1939, 62: 185.—**Health leagues in Indian villages.** *Ind. M. Gaz.*, 1942, 77: 117.—**Health and social services in India.** *Med. Off.*, Lond., 1935, 53: 71.—**Inde Britannique.** *Statistique sanitaire pour l'année 1921.* *Bull. Off. internat. Hyg. pub. Par.*, 1928, 20: 104-8.—**Indian trilogy; a 3-cornered view of India, babies, donkeys, and winter sunshine.** *Med. Missionary, Phila.*, 1941, 15: 170.—**Kellogg, J. H.** Health work in India. *Good Health* 1937, 72: 302.—**Makand, S. N.** Public health organisation in the Central Provinces [British India]. In *Prepar. Papers Intergov. Conf. Far East. Rural Hyg.*, 1937, 1. Conf., C. H. 1235(b) 237-50.—**Mason, E. D.** The basal metabolism of European women in South India and the effect of change of climate on European and South Indian women. *J. Nutrit.*, 1934, 8: 695-713.—**Mathur, K. P.** Public health organisation in the United Provinces. In *Prepar. Papers Intergov. Conf. Far East. Rural Hyg.*, 1937, 1. Conf., C. H. 1235(b) 359-81.—**Megaw, J. W. D., & Gupta, J. C.** The geographical distribution of some of the diseases of India. *Ind. M. Gaz.*, 1927, 62: 290-315.—**Mukherjee, M. K.** Nation's health. *J. Ayurveda*, 1934-35, 11: 379-84.—**Pathi, A. L.** National health. *Ibid.*, 1938-39, 15: 371-5.—**Public health in India.** *Brit. M. J.*, 1942, 1: 122.—**Report (The) on the health of India.** *Med. Off.*, Lond., 1942, 67: 27.—**Russell, A. J. H.** Population and public health in India. *Abstr. Papers Far East. Ass. Trop. M.*, 1927, 7. Congr., 34-7. tab.—**Sanitary (The) awakening of India (Edit.)** *Brit. M. J.*, 1913, 2: 1243.—**Sankaran, G.** Report of the Professor of Biochemistry and Nutrition. *Annual Rep. All India Inst. Hyg., Calc.* (1938) 1939, 33-42.—**Toll of diseases in India.** *Calcutta M. J.*, 1937, 32: 474-81.—**Ukil, A. C.** Public health in modern states and its application in India. *Ibid.*, 1941, 38: 199; *passim*.—Some aspects of public health in India. *Ibid.*, 263-76.—**Vital Indian health problems.** *J. Ind. M. Ass.*, 1938-39, 8: 250-4.—**Williams, G. B.** The sanitation of Indian railway settlements. *J. R. San. Inst.*, 1932, 53: 78.—**Wilson, H. E. C.** Report of the Professor of Biochemistry and Nutrition. *Annual Rep. All India Inst. Hyg., Calc.* (1937) 1938, 19-22.

Hospitals.

See also Under **Hospital report.**

Andersen, D. A., & George, M. M. Ahmednagar, S. A.; Evangeline Booth Hospital. *J. Christ. M. Ass. India*, 1941, 16: 367.—**Doak, J. M.** At an Indian hospital. *Nurs. Times, Lond.*, 1941, 37: 129.—**Müller, R. F. G.** Ueber Kranken-häuser aus Indiens älteren Zeiten. *Sudhoffs Arch.*, 1930, 23: 135-51.—**Racial discrimination at Hammersmith Post Graduate Hospital.** *J. Ind. M. Ass.*, 1935-36, 5: 701.—**Ray, K. S.** Evacuation of non-essentials and inmates of hospitals. *Ibid.*, 1941-42, 11: 213.—**Sander, P.** Visit to Indian hospitals. *Bull. Ophth. Soc. Egypt*, 1939, 32: 242-53, 6 pl.

Medicine.

HEHIR, P. The medical profession in India. 139p. 8°. Lond. [1923]

Alexander, J. Answering a village call. *J. Christ. M. Ass. India*, 1942, 17: 16-8.—**Alger, L. J.** Medical observations in India. *J. Lancet*, 1940, 60: 442.—**Anderson, G. C.** Report to the council of the British Association by the secretary on his visit to India, 1936-37. *J. Ind. M. Ass.*, 1937-38, 7: 105-19.—**Annual report of the Indian Red Cross.** *League Red Cross Soc.*, 1937, 19: 108-9.—**Bagchi, R. P.** U. P. Provincial conference; address. *J. Ind. M. Ass.*, 1938-39, 8: 176-8.—**Beals, L. N.** Medicine in India. *Physician & Surg.*, 1911, 33: 115-7.—**British medicine in India.** *Brit. M. J.*, 1907, 1: 1245-53.—**Canaran, B. V.** Rural medical work. *J. Ind. M. Ass.*, 1941-42, 11: 251.—**Chatterjee, A. C.** Lag in the utilization of medical knowledge in India. *Calcutta M. J.*, 1941, 38: 100-2.—**Chopra, R. N.** Organization of public health and medical service in India. *Current Sc.*, Bangalore, 1941, 10: 109-16. Also *Ind. M. Gaz.*, 1941, 76: 54-8.—**Cochrane, R. G.** Co-operation in medical work. *J. Christ. M. Ass. India*, 1941, 16: 255-60.—**Coordination of the medical services.** *Ind. M. Gaz.*, 1940, 75: 227.—**Countess of Dufferin Fund Report, 1940, including the Women's Medical Service. *J. Christ. M. Ass. India*, 1941, 16: 368-70.—**Crawford, D. G.** The minor medical services. *Ind. M. Gaz.*, 1910, 45: 1-8.—**Dengel, A.** The work of the medical mission sisters in India. *Med. Woman J.*, 1942, 49: 263-7.—**Deshmukh, G. V.** Problems of medical education and research in India. *Med. Times, Lond.*, 1929, 57: 35-8.—**Fighting disease on the Frontier.** *Ind. M. Gaz.*, 1941, 76: 243.—**Fullerton, A. M.** The**

practice of medicine in India. *Maritime M. News*, 1905, 17: 85-9. Also *Proc. Philadelphia Co. M. Soc.*, 1905, 26: 75-9.—**Future (The) of medical organization in India.** *Ind. M. Gaz.*, 1941, 76: 41.—**Giffard, G.** The future of medicine in India. *Brit. M. J.*, 1924, 2: 966.—**Gill, C. A.** The present position of medical science in India. *Ind. M. Gaz.*, 1929, 64: 152-5.—**Graham, J. D.** Medical and sanitary problems of India. In *Souvenir 7. Congr. Far East. Ass. Trop. M., Calc.*, 1927, 55-79.—**Hakim.** Grains and scruples. *Lancet, Lond.*, 1938, 2: 695-7.—**Hewett, J. P.** Introductory address on the work of the medical profession in India. *S. Mary Hosp. Gaz.*, Lond., 1913, 19: 135-9. Also *Lancet, Lond.*, 1913, 2: 983-5.—**Hussain, S. M.** The future of scientific medicine in India. *J. Ind. M. Ass.*, 1939-40, 9: 600; 1940-41, 10: 281.—**Independent (An) medical profession in India.** *Lancet, Lond.*, 1909, 1: 415.—**India; Countess of Dufferin's fund.** *Brit. M. J.*, 1942, 1: 122.—**Indian (The) Medical Council; a retrospect.** *J. Ind. M. Ass.*, 1938-39, 8: 234-6.—**Indian Medical Service.** *Lancet, Lond.*, 1923, 2: 420; *passim*.—**Koshy, M.** Our medical work. *J. Christ. M. Ass. India*, 1941, 16: 362.—**Lewy, F. H.** Laufbahn und Stellung des Arztes in Indien. *Zschr. Balneol.*, 1909, 2: 610; 649; 691.—**Lukis, C. P.** Inaugural address on the medical needs of India. *Mag. London School M. Women*, 1912-13, 8: 265-76. Also *Brit. M. J.*, 1913, 2: 837-9. Also *Lancet, Lond.*, 1913, 2: 977-9.—**MacLeod, K.** An Indian civil surgeon. *Caledon. M. J.*, 1907, 7: 58-68.

Indian medical administration; a historical and personal sketch. *Ibid.*, 103-14.—**Medical associations in India.** *Med. Surg. Suggestions, Madras*, 1940, 9: 341-3.—**Medical (A) council in Sind.** *Sind M. J.*, 1937-38, 10: 187.—**Medical (The) council of India.** *J. Ind. M. Ass.*, 1940-41, 10: 118-21.—**Medical problems in India.** *J. Am. M. Ass.*, 1936, 106: 554.—**Medical (The) profession in India [Edit.]** *Lancet, Lond.*, 1913, 1: 707-9.—**Medical schools in India.** *Sind M. J.*, 1935-36, 8: 203-6.—**Medical services in India, a comprehensive review.** *Brit. M. J.*, 1939, 1: Suppl., 43.—**Medicine in India.** *Ibid.*, 1919, 2: 540.—**Mehta, J. N.** Seth Jannadas Lalubhai Museum Hall, Seth Gordhandas Sunderdas Medical College, Bombay. *J. Ind. M. Ass.*, 1938-39, 8: 367-70.—**Milne, R. L.** Medical education and practice in India. *Med. Press & Circ., Lond.*, 1941, 206: 403-6.—**Naidu, M. G.** Welcome address. *J. Ind. M. Ass.*, 1941-42, 11: 125-9.—**Nauth, B.** Presidential address. *Ibid.*, 1934-35, 4: 210-9.—**The medical services and the medical profession in India.** *Med. Surg. Suggestions, Madras*, 1935, 4: 88-103.—**Organization (The) of the profession in India; representative meeting of Indian branches at Bombay.** *Brit. M. J.*, 1937, 1: 413.—**Organisation of the medical profession in India.** *J. Ind. M. Ass.*, 1935-36, 5: 347.—**Phipson, E. S.** Medical practice in India; the economic outlook. *Ind. M. Gaz.*, 1937, 72: 495-7.—**Proctor, A. H.** Medical unemployment in India. *Brit. M. J.*, 1938, 2: 462. Also *Calcutta M. J.*, 1938, 34: 335-7.—**Public medical services.** *Brit. M. J.*, 1939, 1: Suppl., 161.—**Racial discrimination in the services; the verdict of the Indian medical profession.** *J. Ind. M. Ass.*, 1936-37, 6: 686.—**Rajan, T. S. S.** The task before the medical profession. *Med. Surg. Suggestions, Madras*, 1935, 4: 1-8.—**Rao, N. A.** Internal reforms in the medical profession. *J. Ind. M. Ass.*, 1941-42, 11: 253.—**Ray, K. S.** Presidential address. *Ibid.*, 129-36.—**Report to the council of the British Medical Association by the secretary on his visit to India, 1936-37.** *Brit. M. J.*, 1937, 2: Suppl., 221-32.—**Rottschaefer, M.** Village medical work. *J. Christ. M. Ass. India*, 1942, 17: 207-9.—**Roy, B. C.** Medizinische Probleme in Indien. *Wien. klin. Wschr.*, 1938, 51: 179.—**Samey, M. R.** Bankruptcy of medical statesmanship in modern India. *J. Ayurveda, Calc.*, 1935-36, 12: 1-6.—**Scheme (A) for re-organisation of rural medical and public health services.** *J. Ind. M. Ass.*, 1941-42, 11: 216-20.—**Sister Alma Julia Le Duc.** Health visiting in India. *Pub. Health Nurs.*, 1942, 34: 438-41.—**Sprawson, C.** Medical Council of India. *Calcutta M. J.*, 1937, 32: 131-7.—**The Indian medical profession.** *Med. Surg. Suggestions, Madras*, 1939, 8: 132-41.—**Stott, H.** Some notes on the scientific system of medicine in India. *Guy's Hosp. Rep.*, Lond., 1932, 82: 297-300.—**Vyas, R. B. B. N.** Presidential address. *J. Ind. M. Ass.*, 1936-37, 6: 139-46, *portr.*—**Wanless, W. J.** Medicine in India. *Bull. N. York Acad. M.*, 1930, 2. ser., 6: 105-31.—**War-time problems before the medical profession.** *J. Ind. M. Ass.*, 1941-42, 11: 205.—**Wijnen, M. E.** Now, when I had my operation. *Med. Missionary, Phila.*, 1941, 15: 145.—**Wilson, N. M.** Medical organisation in the Central Provinces and Berar [British India]. In *Prepar. Papers Intergov. Conf. Far East. Rural Hyg.*, 1937, 1. Conf., C. H. 1235(b) 230-6.—**Women's Medical Service for India.** *Lancet, Lond.*, 1927, 2: 474.

Medicine: Congresses and societies.

All-India hereditary Ayurvedic doctors' conference at Hampi. *J. Ayurveda*, 1936-37, 13: 205; 272.—**All-India (14.) Medical Conference, Madras, 1937. *J. Ind. M. Ass.*, 1937-38, 7: 247-80.—**All-India (15.) Medical Conference, Meerut, 1938. *Ibid.*, 1938-39, 8: 275-309, 3 *portr.*—**All-India (17.) Medical Conference, Vizagapatam, 1940. *Ibid.*, 1940-41, 10: 181-97, 3 *portr.* Also *Med. Surg. Suggestions, Madras*, 1941, 10: 1-21.—**All-India (18.) Medical Conference, Hyderabad, 1941. *Current Sc.*, Bangalore, 1941, 10: 505. Also *J. Ind. M. Ass.*, 1941-42, 11: 123-37; 140-7.—**All (The) India Medical Licentiates' Conference (30.) Bombay; addresses.** *Med. Surg. Suggestions, Madras*, 1941, 10: 23-38.—**All-**********

India Medical Licentiate Conference (31.) Ahmedabad, Dec. 23-25, 1941. J. Ind. M. Ass., 1941-42, 11: 289-91.—Annual report of the Indian Medical Association, 1940-41. Ibid., Suppl., 27-32.—Bose, A. M. The All-India Medical Conference at Vizag. Ibid., 1940-41, 10: 225.—Lakshminipathi, A., & Bhisagratna, C. M. To the National Industries Planning Committee. J. Ayurveda, 1938-39, 15: 463-70.—Macleod, K. Indian medical societies and journals. Caledon. M. J., 1907-8, 7: 260-9.—Mukherjee, K. M. K. Presidential address, at the 4th session of the Ayurvedic Doctors' Conference at Hampi. J. Ayurveda, 1936-37, 13: 205, portr.—The All-India Hereditary Ayurvedic Doctors' Conference at Hampi. Ibid., 285-98.—Pande, K. Advancement of Ayurvedic system of medicine during the last 10 years i. e., from 1920 to 1930. Ibid., 177-9.—Report of the Emergency Medical Service Standing Committee of the Indian Medical Association. Ind. M. Gaz., 1942, 77: 300-2.—Resolutions passed at the 18. All-India Medical Conference, Hyderabad. J. Ind. M. Ass., 1941-42, 11: 147.—Samey, M. R. To the All India Hereditary Ayurvedic Doctors' Conference at Masulipatam on 9-1-1936. J. Ayurveda, 1935-36, 12: 332-55.—Sen, G. P. The All-Bengal Ayurvedic Conference: why it broke up. Ibid., 1934, 11: 41-4.—Valvekar, R. K. Speech; Ayurvedic Conference, Hampi. Ibid., 1936-37, 13: 264-71.

— Medicine: History.

BHISAGĀCĀRYA, G. M. History of Indian medicine. 3v. 8°. Calc., 1923-29.

CARMAN, J. S. Rats, plague, and religion; stories of medical mission work in India. 246p. 8°. Phila. [1936]

Cox, L. E. Talks on medical work in India and China. 31p. sm. 4°. Lond., 1922.

INDIAN MEDICAL YEAR, being a review of the progress of medicine, surgery and public health in India during 1927. 48p. 4°. Calc., 1928.

LIACRE DE SAINT-FIRMIN, J. *Médecine et légendes bouddhiques de l'Inde. 120p. 8°. Par., 1916.

MUTHU, D. C. A short account of the antiquity of Hindu medicine. 2. ed. 52p. 16°. Lond., 1927. Also 3. ed. 111p. 1930.

Piso, G. De Indiae utriusque re naturali et medica. 31p. 8°. Amst., 1937.

WECKERLING, A. G. *Die Tridosā-Lehre in der indischen Medizin [Giessen] 57p. 8° [Frankf. a. M.] 1929.

A. U. P. Down South. J. R. Army M. Corps, 1932, 59: 428; 1933, 60: 141; passim; 1934, 62: 34; passim.—Ancient Aryan surgery. Sind M. J., 1932, 5: 143-52.—Antiquity of Hindu medicine. Med. Press & Circ., Lond., 1929, n. ser., 127: 402.—Antonini & Nadarasin. Au temps de Védas (3101 av. J.-C.) curiosités médicales traduites des Ayurvedas. Ann. méd. pharm. col., Par., 1926, 24: 568-71.—Banerjee, D. N. Die Entwicklung der indischen Medizin; Ayurveda. Internat. med. W. Schweiz (1937) 1938, 3. Congr., 515-8.—A rapid survey of the evolution of Hindu medicine for the last 6,000 years with a review of contemporary history of the world. J. Ind. M. Ass., 1939-40, 9: 436-9.—Consul, S. N. Some reflections on the art of surgery of the ancient Hindus. Ind. M. Gaz., 1926, 61: 433-41.—Crawford's history of the Indian Medical Service. Indian M. Rec., 1914, 49: 63.—Dasgupta, S. N. Die Medizin der alten Hindus. Arch. Gesch. Med., 1928, 20: 80-94.—Dengel, A. It started like this. Med. Missionary, Phila., 1941, 15: 60-2, 2 portr.—Edgar, A. In Northern India. Canad. Nurse, 1937, 33: 385-7.—Esser, A. A. M. Altindisches Arzttum. Münch. med. Wschr., 1934, 81: 758-63.—Die theoretischen Grundlagen der altindischen Medizin und ihre Beziehungen zur griechischen. Deut. med. Wschr., 1935, 61: 600-2.—Filliozat, J. Les documents médicaux indiens au département des manuscrits de la Bibliothèque nationale. Bull. Soc. fr. hist. méd., 1934, 28: 27-41.—First elected president of the Indian Medical Council [Bidhan Chandra Roy] Sind M. J., 1939-40, 12: 118-26.—Forsyth, C. E. P. Medical life and work in Assam. Med. Press & Circ., Lond., 1941, 205: 353-6.—Friedenwald, H. The medical pioneers in the East Indies. Bull. Hist. M., 1941, 9: 487-504.—Garrison, F. H. Newer sidelights on the antiquity and provenance of Indian medicine. Bull. N. York Acad. M., 1930, 2. ser., 6: 523-35.—Green-Armistage, V. B. The debt of Western medicine to the East. Bristol Med. Chir. J., 1937, 54: 239-60, pl. Also Ind. M. Gaz., 1938, 73: 485-9. Also Ind. M. Rec., 1938, 58: 293-300. Also J. Ayurveda, 1938-39, 15: 326-45.—Harman, N. B. A medical pilgrimage; India. Med. Press & Circ., Lond., 1936, 192: 122-4.—History (The) of medicine in India. In Souvenir 7. Congr. Far East, Ass. Trop. M., Calc., 1927, 35-43.—Jameson, W. W. Medical services at home and abroad. Brit. M. J., 1934, 2: 831.—Johnston-Saint, P. An outline of the history of medicine in India. Ind. M. Rec., 1929, 49: 289-99.—Jolly, G. G. Medical research in India. Ind. M. Gaz.,

1936, 71: 39-43.—Kugler, A. S. A glance at ancient and modern Hindu medicine. Am. J. Pharm., 1908, 80: 123-34.—Lewis, E. W. Ancient Hindu-Aryan medicine. Brit. M. J., 1934, 2: 872-4.—Mackenzie, E. F. W. The log of the seabird Osprey. J. R. Army M. Corps., 1937, 69: 178; 240; 383.—Müller, R. F. G. Ueber Medizin im Arthaśāstra des Kautilya. Mitt. Gesch. Med. Naturwiss., 1927, 26: 97-103.—Die Medizin der Jātakas, eine medizingeschichtliche Studie. Janus, Leiden, 1928, 32: 255-77.—Die Gelbsucht der Alt-Indier. Ibid., 1930, 34: 177; 226.—Vom Körperaufbau in der altindischen Medizin. Sudhoffs Arch., 1933, 26: 310-7.—Vom Manas (Geist) und seinen Krankheiten in der altindischen Medizin. Janus, Leiden, 1935, 39: 74-93.—Ueber die Tridosā-Lehre in der altindischen Medizin. Sudhoffs Arch., 1939, 32: 290-314.—Mukherjee, G. N. Bhatarakā Hariscandra (931 A. D.) J. Ayurveda, 1934, 10: 406-21.—Gayadasa (1050 A. D.) Ibid., 11: 85-93.—Dhanvantari II (5th century A. D.) Ibid., 205.—Candrata. Ibid., 1935, 11: 250-4.—Mukherjee, K. M. K. Bata byadhi. Ibid., 1939-40, 16: 103-9.—Müller, R. F. G. On sattva, rajas and tamās in the old Indian medicine. Ibid., 1934, 10: 295; 330.—Pathi, A. L. Development of medicine in Asoka's time. Ibid., 1926-27, 3: 408-12.—Pizzagalli, A. M. La medicina e le origini della scienza Indiana. Scientia, Bologna, 1935, 58: 39-44.—Pomeranz, H. Medicine in India: Ancient and modern. Med. Rev. of Rev., 1933, 39: 537-59.—Reddy, D. V. S. Glimpses into the practice and principles of medicine in Buddhist India in the 7th century A. D., gleaned from the Records of Buddhist religion by the Chinese monk I-tsing. Bull. Inst. Hist. M., Balt., 1938, 6: 987-1000.—A famous kaviyā of Jehangir's reign; side lights on the surgery and medicine of the age. Ind. M. Rec., 1939, 59: 37-40.—Medicine in Buddhist India; medical lore in Jataka stories. Ibid., 187-9.—François Bernier; a French physician at the Mogul court in India in the 17. Century and his impressions of Indian medicine. Ann. M. Hist., 1940, 3. ser., 2: 225-33.—Medicine in India in the middle of the 16. century. Bull. Hist. M., 1940, 8: 49-67.—An account of Indian medicine by John Fryer, M. D., F. R. S. (1650-1733 A. D.) Ind. M. Gaz., 1940, 75: 34-7.—Medical notes from the diaries of the 3 surgeons of Patna, 1763. Ibid., 486-8.—Medical practitioners and medical relief at the Mogul court during the reign of Akbar the Great. Ibid., 1941, 76: 361-5.—Medical relief in medieval South India; centres of medical aid and types of medical institutions, based on epigraphical evidences. Bull. Hist. M., 1941, 9: 385-400.—Roy, A. A peep into ancient medicine. Ind. M. Rec., 1930, 50: 205; 1931, 51: 72; 97.—Medical chemistry in ancient India. Ibid., 1931, 51: 33-8.—The humoral theory of the ancients. Ibid., 257-68.—Rudolph, R. India the hidden. Trained Nurse, 1936, 97: 26-31.—Samey, M. R. Ayurvedic giants of yesterday, allopathic generals of to-day, and heirs presumptive of medicine tomorrow. J. Ayurveda, 1933, 10: 121-7.—Sanyal, B. M. A peep into the history of Ayurved. Ibid., 1934-35, 11: 431.—Sarma, P. J. Hindu medicine and its antiquity. Ann. M. Hist., 1931, n. ser., 3: 317-24.—Schüffner, W. A. P. [Medicine in India of yesterday, to-day and to-morrow] Ned. tsehr. geneesk., 1937, 81: 3314-23.—Vallauri, M. I fondamenti generali della medicina indiana (saggi sulla medicina indiana) Arch. stor. sc., 1921, 2: 70-88.—Wood, C. A. Ayurvedic medicine in ancient and medieval Ceylon. Ann. M. Hist., 1926, 8: 435-45.—Sinhalese and South Indian ceremonials in the prevention and treatment of disease. Ibid., 1934, n. ser., 6: 483-90.

— Medicine, native [Ayurvedic]

See also Drug, East Indian.

AGRAVĀL, L. S. Sushrutasānhitā [Sanskrit text and commentary] 1232p. 8°. Muttra, 1912.

BISHARAD, A. C. The jewels of Ayurveda or the Hindu system of medicine, containing a list of the more useful and most effective remedies which have stood the test of time for centuries, founded by Vishagbhushan. 62p. 12°. Calc., 1931.

JOURNAL (The) of Ayurveda. Calc., v.1, 1924—KIPNIS, W. S. *Beitrag zum Studium des Ayurveda, des Heilsystems der Inder. 44p. 8°. Lausanne, 1938.

LORD OF HEALING. The sutra of the Lord of Healing. 32p. 8°. Peiping [1936]

SHARPE, E. An eight-hundred year old book of Indian medicine and formulas; translated from the original very old Hindi into Gujarati character and thence into English. 135p. 8°. Lond. [1937]

SUŚRUTA AYURVEDA; texte Sanscrit, accompagné du commentaire Guzerati de Prabharāma, Jīvanārāma, et publié par Kālidāsa Govindaji avec un index de Viṣanātha Prabharāma. 4p; 76p.; 274p. 8°. Bombay, 1901.

VAGBHATA. *Astangahridayam*; a compendium of the Hindu system of medicine; with the commentary of Arunadatta. Rev. by A. Moreshvar Kunte. 2v. 8°. Bombay, 1880.

— *Astangahridayasamhitā*; ein altindisches Lehrbuch der Heilkunde. 512p. 25cm. Leiden, 1937-39.

Abeyaratna, D. L. W. What is disease in Ayurveda? *J. Ayurveda*, 1935-36, 12: 446-8. — Medical facts. *Ibid.*, 1936-37, 13: 465-72. — Is there anything empirical in the Hindu system of medicine (Ayurveda). *Ibid.*, 1937-38, 14: 45: 218. — Address (The) of Rai Bahadur Brajendra Mohan Mitra, M. A., B. L. *Ibid.*, 1935-37, 12: 164-72. — Aiyappan, A. Primitive medicine at a Malabar temple. *Man*, Lond., 1936, 36: 61-3. — Ancient Indian medicine and modern therapeutic research. *Ind. M. Rec.*, 1937, 57: 273-80. — Ayurveda in the tide of world medicine. *J. Ayurveda*, 1935-37, 12: 211-20. — Ayurved and reforms. *Ibid.*, 1937-38, 14: 361-7. — Ayurvedic Compound Tinctures, Limited. *Ibid.*, 1938-39, 15: 433-5. — Balasingham, K. Phoebeus, G. [et al.] Report of the Committee on the indigenous systems of medicine. *J. Ceylon Br. M. Ass.*, 1927, 24: 17-12. — Bapat, V. Studies in Ayurvedic colleges. *J. Ayurveda*, 1938-39, 15: 165; 284. — Barretto, J. R. C. Systems of medicine in India. *Ibid.*, 1928-29, 5: 401-4. — Burmese medicine. *Med. Press & Circ.*, Lond., 1910, n. ser. 90: 52. — Dalmases, V. La India; medicina brahmanica. *Dia méd.*, B. Air., 1934-35, 7: 598. — Debi, V. L. Government's duty towards Ayurveda. *J. Ayurveda*, 1938-39, 15: 6-13. — Elliot, R. H. The Madras Government and indigenous system of medicine. *Brit. M. J.*, 1924, 2: 786-8. — Green-Armytage, V. B. Oriental medicine; stray jottings. *Bristol Med. Chir. J.*, 1910, 28: 40-5. — Hendley, T. H. The Indian systems of medicine and the lessons that may be learned from them. *Tr. Indian M. Congr.* (1894) 1895, 77-83. — Cleanings from the early records of the Bengal medical department. *Ibid.*, 1902-7. — Indian medicine. *S. Mary Hosp. Gaz.*, Lond., 1906, 12: 30-2. — Hilgenberg, L., & Kirtel, W. Vāgbhāṣa's *Astāṅgahridayasamhitā*. Vorwort. Janus, Leiden, 1937, 41: No. 1-4. — Vāgbhāṣa's *Astāṅgahridayasamhitā*; ein altindisches Lehrbuch der Heilkunde (Translation). *Ibid.*, 1939, 43: 232-48. — Vāgbhāṣa's *Astāṅgahridayasamhitā*; ein altindisches Lehrbuch der Heilkunde [rev. by George Sartou] Isis, Menasha, 1942-43, 34: 174-7. — Hirlekar, V. P. Ayurvedic therapeutics or the science of Rasa. Veerya Vipak and Prabhava. *J. Ayurveda*, 1932, 8: 406. — Hooton, A. Indigenous systems of medicine in India. In *Souvenir 7. Congr. Far East. Ass. Trop. M. Calc.*, 1927, 45-53. — Ideal (The) of modern Ayurvedic training. *J. Ayurveda*, 1936-37, 13: 121-6. — Indigenous systems of medicine in India; Ayurveda, Siddha, Unani. *Brit. M. J.*, 1923, 2: 477-80. — Iswariach, V. The other half of medicine. *Madras M. J.*, 1937, 17: 341-5. — Karnataka Ayurvedic post-graduate clinical class. *J. Ayurveda*, 1937-38, 14: 334-43. — Kesavachariu, N. Vegas and their importance in Ayurveda. *Ibid.*, 1934, 10: 247-51. — Laignel-Lavastine. Premier aperçu de la médecine traditionnelle de l'Inde. *Presse méd.*, Lond., 1940, 48: 245. — Létard. Essai sur la médecine des Indous. *Strasbourg méd.*, 1934, 94: 581-8. — M., M. K. University recognition of Ayurved. *J. Ayurveda*, 1938, 14: 441-6. — Macdonald, K. N. A Burmese practice of medicine. *Hospital*, Lond., 1910, 48: 551. — Mahamahopadhyay Kavajia Gananath Sen's presidential address. *J. Ayurveda*, 1936-37, 13: 45; 86. — Marathe, C. S. A case for exemption of ayurvedic medicines from prohibition rules. *Ibid.*, 1939-40, 16: 84-92. — Modi, J. P. The Vedic principles of medicine. In his *Textb. Med. Jurispr.* 6. ed., Bombay, 1940, p. lxvii. — Morey, G. Indische Aerzte. *Deutsche Aerzte Ztg*, 1932, 7: No. 297. — Move for the establishment of the Board of Indian Medicine for the Punjab. *J. Ayurveda*, 1936-37, 13: 428. — Müller, R. F. G. Natur- und Medizingeschichtliches aus dem Mahābhārata. Isis, Bruges, 1935, 23: pt 1, 24-53. — Ueber die Entwicklung von Lehrbüchern indischer Medizin. *Sudhoffs Arch.*, 1937, 30: 47-61. — Mukherjee, K. S. N. Medicine in the Puranas. *J. Ayurveda*, 1935-36, 12: 48-53. — Mukherjee, M. K. Impediments in the way of introducing Ayurvedic faculty and council in Bengal. *Ibid.*, 201-5. — British Medical Association and Ayurved. *Ibid.*, 281-5. — I myself fell ill. *Ibid.*, 1937-38, 14: 272-7. — Presidential address. *Ibid.*, 1938-39, 15: 364-7. — Mukherji, G. N. Vedic medicine. *Ind. M. Rec.*, 1930, 50: 117; 102a; 142-181. — Mullick, A. M. Ayurved. *J. Ayurveda*, 1935-36, 12: 330. — Naidu, G. C. R. Researches in medical sciences. *Ibid.*, 1938-39, 15: 413-8. — Notes and News; Dr A. Lakshmi Pathi's address. *Ibid.*, 389-93. — Pentland. How to improve Ayurvedic medicine. *Antiseptic*, Madras, 1917, 14: 389-94. — Raman, A. I. M. S. and Ayurveda. *J. Ayurveda*, 1933, 10: 161-3. — Saheb, S. M. Proposal for establishment of an Ayurvedic college by the Government of Bombay. *Ibid.*, 1935-36, 12: 85. — Samey, M. R. Self determination in sanitation, medicine, law and order in India. *Ibid.*, 1932, 9: 41-8. — Dr Anderson's visit to India. *Ibid.*, 1936-37, 13: 401-5. — Quest of health and conquest of disease in India through Ayurveda. *Ibid.*, 1937-38, 14: 201. — Path-finder in Ayurvedic pharmacy. *Ibid.*, 1938-39, 15: 269-71. — Saraswati, K. G. S. Address on Hindu medicine. *Ind. M. Rec.*, 1916, 36: 42-9. — Sarma, B. M. Hindu medicine. *Ibid.*, 1931, 51: 172-83. — Sen, M. K. G. Success of Ayurveda. *J. Ayurveda*, 1934, 10: 241-6. — Stewart, J. R. Native doctors of Burmah. *Cleveland M. J.*, 1906, 5:

271-3. — Suleman, S. M. The Unani system of medicine. *J. Ind. M. Ass.*, 1938-39, 8: 31-4. — Sutherland, W. D. Ayurveda of today. *Ind. M. Gaz.*, 1919, 54: 81-90. — Vaidya, P. No Swadeshi in medicine for Mahatma, but ayurvedic system provides drugs to replace all western prophylactics and cures. *J. Ayurveda*, 1936-37, 13: 141. — Vallauri, M. La medicina indiana. *Scientia*, Bologna, 1915, 18: 308-24. — Venkataswami, V. K. Studies in Indian medicine. *Antiseptic*, Madras, 1932, 29: 661. — Watt, S. B. Native nursing and medical care in India. *N. York State J. M.*, 1923, 23: 391.

Vital statistics.

CALCUTTA. HEALTH OFFICER. Abstract of vital statistics. Calc., 1934—

Biswas, L. M. Birth rate of the city of Calcutta. *Calcutta M. J.*, 1935-36, 30: 713-8. — Chaudhuri, H. P. Normal age distribution in India. *Ind. J. M. Res.*, 1933, 21: 115-30. — Das, R. K. Differential fertility in India. *Congr. internat. popul.* (1937) 1938, 1. Congr., 3: 100-14. — Increase of the population of India. *J. Am. M. Ass.*, 1941, 117: 58. — Indian vital statistics for 1933. *Nature*, Lond., 1936, 138: 159. — Lal, R. B. Report of the Professor of Vital Statistics and Epidemiology. Annual Rep. All India Inst. Hyg., Calc. (1937) 1938, 13-25. — Madras census report, 1921. *Lancet*, Lond., 1923, 1: 85-7. — Nicolls, F. Vital statistics in Burma, 1916-17. *Med. Times*, Lond., 1918, 46: 217. — Population (The) problem in India. *Lancet*, Lond., 1936, 1: 39. — Also *Ind. M. Gaz.*, 1936, 71: 277-9. — Raja, K. C. K. E. Probable trend of population-growth in India. *Ind. J. M. Res.*, 1935-36, 23: 205-17. — A forecast of population in India at the census of 1941. *Ibid.*, 1936-37, 24: 1183-91, 2 pl. — Robertson, F. C. A short note on the relation between the seasonal birth and death rate curves. *Proc. Gen. Malar. Comm.* (1912) Simla, 1913, 3: 95, ch. — Roy, B. K. Malthusian India; where plague and famine keep down population. *Birth Control*, 1924-25, 9: 12-30. — Russell, A. J. H. The vitality of the peoples of Southern India, its conservation and promotion. *Sc. Month.*, 1926, 23: 54-64. — Sarkar, B. K. La situation démographique de l'Inde vis-à-vis des récoltes, des industries et des capitaux. *Congr. internat. popul.* (1937) 1938, 1. Congr., 7: 134-8. — Vaidyanathan, L. S. Mortality of Indian assured lives. *J. Inst. Actuaries*, Lond., 1939, 70: 15-59, ch.

INDIA ink.

See also Cerebrospinal fluid, Colloidal reactions: India ink; Microscopy; Staining; etc.

Avery, R. C., & Rigdon, R. H. Failure of an acute inflammatory process to extend into area previously injected with India ink. *Proc. Soc. Exp. Biol.*, N. Y., 1939, 42: 67-9. — Bujard, E., & Ickewicz, M. L'action carvocolasique des différentes encre de Chine. *Schweiz. med. Wschr.*, 1936, 66: 343. — Detre, L. The India ink reaction. *J. Bact.*, Balt., 1936, 31: 61. — Hatt, P. L'absorption d'encre de Chine par les branches d'acéphales. *Arch. zool. exp.*, Par., 1926, 65: notes et rev., 89-95. — Hochriller, G. Das Entfärbungsvermögen der chinesischen Tusche in der bakteriologischen Technik. *Zbl. Bakt.*, 1. Abt., 1927, 102: 478-84. — Samaras, S. C. Experimentelle Untersuchungen über die Tuschespeicherung in verschiedenen zeitlichen Abständen. *Beitr. path. Anat.*, 1937, 99: 403-30. — Verneti, Blina, L. Inchiostro di china e potere desensibilizzante dei sieri. *Gior. clin. med.*, 1935, 16: 1166-75.

INDIAN.

See also North America; South America; also names of American countries as Brazil; Mexico; Peru.

GESSNER, R. Massacre; a survey of today's American Indian. 418p. 8°. N. Y. [1931]

HITCHCOCK, E. A. A traveler in Indian Territory; the journal of Ethan Allen Hitchcock. 270p. 8°. Cedar Rapids, Ia., 1930.

LA FARGE, O. The changing Indian. 184p. 24cm. Norman, Okla., 1942.

UNITED STATES. WAR DEPARTMENT. ARMY WAR COLLEGE. HISTORICAL SECTION. Catalogue of American Indian war photographs. 49 l. fol. Wash. [n. d.]

VERRILL, A. H. The American Indian, North, South and Central America. 485p. 8°. N. Y., 1927.

Bushnell, D. I. Seth Eastman: the master painter of the North American Indian. *Smithson. Misc. Collect.*, 1932, 87: 1-18, 15 pl. — Collier, J. Indians come alive. Clipping from: *Atlantic Monthly*, September, 1942, vol. 170, No. 3. — Comins, E. F. Indians that I have drawn. *Bull. Panamer. Union*, 1939, 73: 369-79. — Davis, E. C. Wooden Indians. *Science News Lett.*, 1937, 32: 314-6. — Hrdlička, A. The people of the main American cultures. *Proc. Am. Philos. Soc.*, 1926, 65: 157-60. —

Kroeber, A. L. Native American population. *Am. Anthropol.*, 1934, 36: 1-25.—Wissler, C. The American Indian. *Ciba Symposia*, 1939-40, 1: No. 1, 3-10.

— Anthropology.

BOILEAU-GRANT, J. C. Anthropometry of the Beaver, Sekani and Carrier Indians. 37p. 8°. Ottawa, 1936.

HOOTON, E. A. The Indians of Pecos pueblo, a study of their skeletal remains. 391p. 4°. N. Haven, 1930.

KNIGHT, M. V. The craniometry of southern New England Indians. 36p. 4°. N. Haven, 1915.

KNOWLES, F. H. S. Physical anthropology of the Roebuck Iroquois; with comparative data from other Indian tribes. 75p. 8°. Ottawa, 1937.

WISSLER, C. Observations on the face and teeth of the North American Indians. 33p. 24½cm. N. Y., 1931.

— The American Indian; an introduction to the anthropology of the new world. 3. ed. 466p. 8°. N. Y., 1938.

Arabs, Indians related, blood type shows. *Science News Lett.*, 1938, 33: 154.—Bentzen, R. C. Dental conditions among the Mimbres people of Southwestern United States previous to the year 600 A. D.; an original study of the teeth and jaws from a series of skeletons unearthed by the Jenks Expedition. *Dent. Cosmos*, 1929, 71: 1068-73.—Blood group distribution of the American Indians; islands of atypical tribes suggest repeated mutations. *J. Hered.*, 1934, 25: 494-6.—Boas, F. The half-blood Indian. In his *Race Language & Cult.*, N. Y., 1940, 138-48.—Collins, H. B., Jr. Relationships of an early Indian cranial series from Louisiana. *J. Washington Acad. Sc.*, 1941, 31: 145-55.—Cummings, H. Dermatoglyphics in Indians of Southern Mexico and Central America. *Am. J. Phys. Anthropol.*, 1930-31, 15: 123-36.—Find Indian town's graveyard in national capital suburb. *Science News Lett.*, 1936, 30: 213.—Goldstein, M. S. Anthropometry of the Comanches. *Am. J. Phys. Anthropol.*, 1934, 19: 289-310.—Gusinde, M. Plastische Rekonstruktion eines Feuerland-Indianers. *Mitt. Anthropol. Ges. Wien*, 1934, 64: Sitzber., 4.—Hrdlička, A. Anthropology of the Sioux. *Am. J. Phys. Anthropol.*, 1931, 16: 123-70.—Keiter, F. Das indische Gesicht; Materialien zur Frage der Rassenstellung des amerikanischen Menschen. *Zschr. Morph. Anthropol.*, 1936, 35: 394-411, 2 tab.—Lebzeiter, V. Altindianische Schädel aus den Sambaquis von Iguapé bei Santos. *Mitt. Anthropol. Ges. Wien*, 1933, 63: 326-33.—Matson, G. A. Blood groups and aguesia in Indians of Northern Alberta. *Am. J. Phys. Anthropol.*, 1940, 27: 263-7.—Levine, P., & Schrader, H. F. Distribution of the sub-groups of A and the M and N agglutinogens among the Blackfeet Indians. *Proc. Soc. Exp. Biol.*, N. Y., 1936, 35: 46.—Neumann, G. The origin of the Prairie physical type of American Indian. *Papers Michigan Acad. Sc.* (1941) 1942, 27: 539-42.—Roberts, F. H. H., jr. Developments in the problem of the North American Paleo-Indian. *Smithson. Misc. Collect.*, 1940, 100: 51-116.—Saller, K. Zur Anthropologie der Sioux-Indianer. *Zschr. Morph. Anthropol.*, 1928-30, 27: 409-21, 5 pl.—Sanderson, S. E. Studies of skeletal remains of Indians. *J. Michigan M. Soc.*, 1933, 32: 545.—Schilling, F. Die Frage der indianisch-europäischen Rassenverwandtschaft. *Zschr. Morph. Anthropol.*, 1928-30, 27: 429-38, 8 pl.—Schultz, A. H. Anthropological studies on Nicaraguan Indians. *Am. J. Phys. Anthropol.*, 1926, 9: 65-80, pl.—Shapiro, H. L. The mixed-blood Indian. In *Changing Indian* (La Farge, O.) Norman, 1942, 19-27.—Shaw, M. M. The basal metabolism of some American Indian girls. *J. Am. Diet. Ass.*, 1933, 9: 120-3.—Steggerd, M. Statures of North American Indians. *Eugen. News*, 1932, 17: 1-5.—Stewart, T. D., & Wedel, W. R. The finding of 2 ossuaries on the site of the Indian village of Nacotchtanke (Anacostia). *J. Washington Acad. Sc.*, 1937, 27: 213-9.—Von Bonin, G., & Morant, G. M. Indian races in the United States: a survey of previously published cranial measurements. *Biometrika*, Camb., 1938, 30: 94-129.—Wakefield, E. G., Delinger, S. C., & Camp, J. D. A study of the osseous remains of the mound builders of Eastern Arkansas. *Am. J. M. Sc.*, 1937, 193: 488-95, 2 pl.—Wissler, C. The American Indian and the American Philosophical Society. *Proc. Am. Philos. Soc.*, 1942-43, 86: 189-204.

— Art, ceremonies, and religion.

BUSHNELL, D. I. Burials of the Algonquin, Siouan and Caddoan tribes west of the Mississippi. 103p. 8°. Wash., 1927.

DENSMORE, F. Papago music. 229p. 8°. Wash., 1929.

— Pawnee music. 129p. 8°. 8 pl. Wash., 1929.

FENTON, W. N. An outline of Seneca ceremonies at Coldspring longhouse. 23p. 25cm. N. Haven, 1936.

LINTON, R. Purification of the sacred bundles, a ceremony of the Pawnee. 11p. 8°. Chic., 1922.

— The thunder ceremony of the Pawnee. 19p. 8°. Chic., 1922.

— The sacrifice to the morning star by the Skidi Pawnee. 188p. 8°. Chic., 1922.

MARTIN, P. S. Modified basket maker sites, Ackmen-Lowry area, Southwestern Colorado, 1938. p.307-499. 24½cm. [Chic.] 1939.

MORSS, N. Archaeological explorations on the middle Chinlee, 1925. 41p. 8°. Menasha, Wis., 1927.

ROBERTS, H. H. Musical areas in aboriginal North America. 41p. 25cm. N. Haven, 1936.

WHITFORD, A. C. Textile fibers used in eastern aboriginal North America. 22p. 23½cm. N. Y., 1941.

WILSON, G. L. The Hidatsa earlthlodge. p.343-420. 9 plans. 24½cm. N. Y., 1934.

WYMAN, L. C., & KLUCKHOHN, C. Navaho classification of their song ceremonials. 38p. 8°. Menasha, Wis., 1938.

Baldwin, G. C. An analysis of Basket Maker III sandals from northeastern Arizona. *Am. Anthropol.*, 1938, 40: 465-85, 2 pl.—Boas, F. The decorative art of the North American Indians. In his *Race Language & Cult.*, N. Y., 1940, 546-63.—Bunzel, R. L. Introduction to Zuni ceremonialism. *Bull. Smithsonian Inst. Bur. Am. Ethnol.*, 1929-30, 47: 473-544.—Corso, R. Il wampum nelle cerimonie nuziali algonchine (a proposito delle memorie di Frank G. Speck: The functions of Wampum among the Eastern Algonkian). *Riv. antrop.*, 1919, 23: 273-7.—Cresson, F. M. Foot forms of pottery vessels at Piedras Negras. *Pub. Philadelphia Anthropol. Soc.*, 1937, 1: 37-46.—Deloria, E. The sun dance of the Oglala Sioux. *J. Am. Folklore*, 1929, 42: 354-413.—Densmore, F. The study of Indian music in the 19th century. *Am. Anthropol.*, 1927, 29: 77-86.—The native art of the Chippewa. *Ibid.*, 1941, 43: 678-81.—D'Harnoncourt, R. Indian arts and crafts and their place in the modern world. In *Changing Indian* (La Farge, O.) Norman, 1942, 144-57, pl.—Dustin, F. Materials of the Indian lapidary in the Saginaw District, Michigan. *Papers Michigan Acad. Sc.* (1927) 1928, 8: 11-29.—Fenton, W. N. Tonawanda longhouse ceremonies; 90 years after Lewis Henry Morgan. *Smithson. Inst. Bur. Am. Ethnol.*, 1941, 128: 143-65, 10 pl.—Gunter, E. An analysis of the first salmon ceremony. *Am. Anthropol.*, 1926, 28: 605-17.—Gusinde, M. Die geheimen Zeremonien der Feuerlandindianer. *Mitt. Anthropol. Ges. Wien*, 1930, 60: 6-12.—Haile, B. Navaho chantways and ceremonials. *Am. Anthropol.*, 1938, 40: 639-52.—Hallowell, A. I. Bear ceremonialism in the Northern Hemisphere. *Ibid.*, 1926, 28: 1-175.—Kluckhohn, C. Participation in ceremonials in a Navaho community. *Ibid.*, 1938, 40: 359-69.—& Wyman, L. C. An introduction to Navaho chant practice, with an account of the behaviors observed in 4 chants. *Mem. Am. Anthropol. Ass.*, 1940, 53: 7-204, 10 pl.—Krieger, H. W. Salvaging early cultural remains in the valley of the lower Columbia River. *Pub. Smithsonian Inst.*, 1935, No. 3300, 53-6.—Kroeber, A. L. The religion of the Indians of California. *Univ. California Pub.*, 1907, No. 6, 4: 356.—Kunike, H. Die Felszeichnungen in Nordbrasilien und Guayana. *Erdball*, 1929, 3: 300-4.—Linton, R. The origin of the Skidi Pawnee sacrifice to the Morning Star. *Am. Anthropol.*, 1926, 28: 457-66.—MacLeod, W. C. The distribution and process of suttee in North America. *Ibid.*, 1931, 33: 209-15.—Michelson, T. Notes on the Buffalo-head dance of the thunder gens of the Fox Indians. *Bull. Smithsonian Inst. Bur. Am. Ethnol.*, 1928, No. 87, 1-94.—Milacsek, J. F. Die Kopftrophäen der Aguaruna. *Erdball*, 1926-27, 1: 372-78, 2 pl.—Moodie, L. Di talune affezioni mascello-dentali preistoriche negli Indiana d'America. *Biol. med.*, Milano, 1931, 7: 373-6.—Moorehead, W. K. Mound areas in the Mississippi valley and the South. *Bull. U. S. Nat. Res. Council*, 1929, 74: 74-8.—Mordini, A. I coveux sexe precolombiani in argilla dell'isola di Marajó. *Arch. antrop. etnol. Fir.*, 1929, 59: 41-6, 4 pl.—Parker, A. C. A museum sponsors an Indian arts project. *Social Welf. Bull.*, 1936, 7: 12-4.—Parsons, E. C. Hopi and Zuni ceremonialism. *Mem. Am. Anthropol. Ass.*, 1933, 39: 5-108.—Pennypacker, S. W. Friendship as a functional motive in ceramic types of eastern North America. In *Pub. Philadelphia Anthropol. Soc.*, 1937, 1: 147-51.—Roberts, F. H. H., jr. Indian mounds on Shiloh Battlefield. *Pub. Smithsonian Inst.*, 1935, No. 3300, 65-8.—Speck, F. G. Art processes in birchbark of the River Desert Algonquin, a circumboreal trait. *Smithson. Inst. Bur. Am. Ethnol.*, 1941, 128: 233-74, 13 pl.—Steward, J. H. Notes on Hopi ceremonies in their initiatory form in 1927-28. *Am. Anthropol.*, 1931, 33: 56-79.—Stewart, T. D. Excavating the Indian village of Patawomeke (Potomac) Explor. *Smithson.*

Inst. (1938) 1939, 79-82; 87-90.—**Strong, W. D.** Archeological explorations in the country of the eastern Chumash. Pub. Smithsonian. Inst., 1935, No. 3300, 69-72.—**Swanton, J. R.** Religious beliefs and medical practices of the Creek Indians. Annual Rep. Bur. Am. Ethnol. (1924-25) 1928, 42: 477-672, 6 pl.—**Tips of Blackfoot Indians**, whose ancestors were roving buffalo hunters, shifting periodically from place to place without permanent habitation or agriculture [Illust.] In *Changing Indian* (La Farge, O.) Norman, 1942, opp. 50.—**Waterman, T. T.** The architecture of the American Indians. Am. Anthropol., 1927, 29: 210-30.—**White, L. A.** The impersonation of saints among the Pueblos. Papers Michigan Acad. Sc. (1941) 1942, 27: 559-64.—**Willoughby, C. C.** A Mohawk (Caughnawaga) halter for leading captives. Am. Anthropol., 1938, 40: 49, pl.—**Wyman, L. C.** The female shooting life chant; a minor Navaho ceremony. Ibid., 1936, 38: 634-53.—**Zimmerman, C. L.** The sun dance. In his *White Eagle*, Harrisb., 1941, 108-19.

Culture.

KARSTEN, R. The civilization of the South American Indians, with special reference to magic and religion. 540p. 8° Lond., 1926.

KROEBER, A. L. Cultural and natural areas of native North America. 242p. 26½cm. Berkeley, 1939.

LINTON, R. Acculturation in 7 American Indian tribes. 526p. 23cm. N. Y. [1940]

MEAD, M. The changing culture of an Indian tribe. 313p. 23½cm. N. Y., 1932.

MOORE, C. B. Some aboriginal sites on Green River, Kentucky; certain aboriginal sites on Lower Ohio River; additional investigation on Mississippi River. p. [431]-511. fol. Phila., 1916.

OSGOOD, C. Ingalik material culture. 500p. 25cm. N. Haven, 1940.

ROTH, W. E. Additional studies of the arts, crafts, and customs of the Guiana Indians, with special reference to those of Southern British Guiana. 110p. 8° Wash., 1929.

SMITH, H. H. Ethnobotany of the Ojibwe Indians. p. 329-524. 8° Milwaukee, 1932.

SPIER, L. Cultural relations of the Gila river and lower Colorado tribes. 22p. 25cm. N. Haven, 1936.

Baldus, H. Kulturwandel bei Indianern in Brasilien. Arch. Anthropol., Brnschw., 1937-38, n. F., 24: 170-89.—**Bloom, I.** The Cherokee clan; a study in acculturation. Am. Anthropol., 1939, 41: 266-8.—**Burns, H. A.** The American Indian's contribution: food and drugs. J. Lancet, 1942, 62: 12-5.—**Cummings, B.** Cuicuilco and the archaic culture of Mexico. Sc. Month., 1926, 23: 289-304.—**Dangel, R.** Die Zeitrechnung der kalifornischen Indianer. Anthropos, Mödling, 1928, 23: 110-34.—**Fehlinger, H.** Die Kultur der Indianer. Erdlab. 1926-27, 1: 187-93.—**Forde, C. D.** Hopi agriculture and land ownership. J. R. Anthropol. Inst. Gr. Britain, 1931, 61: 357-405, 3 maps, 6 pl.—**Formichi, C.** Scienza e religione nel pensiero indiano. Scientia, Bologna, 1935, 58: 141-8; Suppl., 63-70.—**Gillin, J.** Acquired drives in culture contact. Am. Anthropol., 1942, 44: 545-54.—**Haines, F.** The northward spread of horses among the Plains Indians. Am. Anthropol., 1938, 40: 429-37.—**Hilger, M. I.** Chippewa interpretations of natural phenomena. Sc. Month., 1937, 45: 178.—**Hill, W. W.** Some Navaho culture changes during 2 centuries [with a translation of the early 18th century Rabal manuscript] Smithsonian. Misc. Collect., 1940, 100: 395-415.—**Hinsdale, W. B.** Indian modes and paths of travel in Michigan: waterways. Papers Michigan Acad. Sc. (1926) 1927, 7: 11-20.—**Kinietz, V.** European civilization as a determinant of native Indian customs. Am. Anthropol., 1940, 42: 116-21.—**Krieger, H. W.** Indian cultures of northeastern South America. Annual Rep. Bd Regents Smithsonian. Inst., 1934, 401-21.—**Linton, R.** Acculturation and the processes of culture change. In his *Accult.* Am. Indian tribes, N. Y., 1940, 463-82.—**Nelson, N. C.** Notes on the Santa Barbara culture. In *Essays Anthropol.* A. L. Kroeber, Berkeley, 1936, 199-210.—**Nordenskiöld, E.** The American Indian as an inventor. J. R. Anthropol. Inst. Gr. Britain, 1929, 59: 273-309, 2 pl.—**Parsons, E. C.** The ceremonial calendar of the Tewa of Arizona. Am. Anthropol., 1926, 28: 209-29.—**Quimby, G. I., Jr.** Indian trade objects in Michigan and Louisiana. Papers Michigan Acad. Sc. (1941) 1942, 27: 543-51.—**Reed, E. K.** Navajo interdependence and acculturation. Am. Anthropol., 1941, 43: 681.—**Sapper, K.** Geographie der altindianischen Landwirtschaft. Petermanns Mitt., 1934, 80: 41; 80; 118, map.—**Speck, F. G.** Culture problems in northeastern North America. Proc. Am. Philos. Soc., 1926, 65: 272-311.—**Steward, J. H.** Native cultures of the Intermontane (Great Basin) area. Smithsonian. Misc. Collect., 1940, 100: 445-502.—**Strong, W. D.** North American Indian

traditions suggesting a knowledge of the mammoth. Am. Anthropol., 1934, 36: 81-8.—**Swanton, J. R.** Aboriginal culture of the southwest. Annual Rep. Bur. Am. Ethnol. (1924-25) 1928, 42: 673-727.—**Vaillant, G. C.** Principal culture sequences in Middle, North, and South America. In his *Aztecs of Mexico*, N. Y., 1941, 26, tab. — The historical and cultural background of Aztec civilization; a somewhat speculative summary of the social and economic factors which directed the rise of Indian civilization. Ibid., 1-27, 12 pl.

Diseases and hygiene.

See also under names of social diseases as **Syphilis; Trachoma; Tuberculosis**, etc.

COOK, S. F. The extent and significance of disease among the Indians of Baja California, 1697-1773. 39p. 8° Berkeley, Calif., 1937.

HOFFMAN, F. L. Cancer among North American Indians; the health progress of the North American Indian; the Indian as a life insurance risk. 85p. 8° [Newark, N. Y., 1928]

STEWART, D. A. Indians and tuberculosis. 81. Ninette, Manit., 1934.

Cogswell, W. F. Report of the Committee on Indian Affairs [1932-34, 1938, 1940] Proc. Conf. Health Author. N. America, 1932, 47. meet., 111; 1933, 48. meet., 62; 1934, 49. meet., 43; 1938, 53. meet., 144; 1940, 55. meet., 105.—**Collier, J.** Indian health. Ibid., 1933, 48: 56-62.—**Cumming, H. S.** Les conditions sanitaires chez les Indiens des Etats-Unis d'Amérique. Bull. Off. internat. hyg. pub., Par., 1931, 23: 1838-44.—**Emerson, H.** Health of American Indians. J. Am. M. Ass., 1927, 88: 424.—**Foster, L. W.** Dental conditions in white and Indian children in northern Wisconsin. J. Am. Dent. Ass., 1942, 29: 2251-5.—**Gancedo, A.** hijo. La enfermedad y la muerte entre los tobas. Bol. Inst. clín. quir., B. Air., 1928, 4: 943-9.— Los fenómenos teratológicos entre los diaguitas. Ibid., 950-64.—**Guthrie, M. C.** Health of American Indians. J. Am. M. Ass., 1927, 88: 1198.—**Hamlin, H.** A health survey of the Seminole Indians. Yale J. Biol., 1933, 6: 155-77, pl.—**Hancock, J. C.** Diseases among the Indians. Southwest J. M. & S., 1933, 17: 126-9.—**Indian mortality in California.** Week. Bull. California Dep. Pub. Health, 1936, 15: 85, tab.—**Lamkin, N. B.** The Indian and the outdoor life. Trained Nurse, 1934, 93: 139-45.—**Lee, B. J.** El cáncer entre los indios del suroeste. Bol. Liga cáncer, Habana, 1930, ed. social, 1: 234-41.—**Leigh, R. W.** Dental pathology of aboriginal California. Dent. Cosmos, 1929, 71: 756-67.—**Lieb, C. W.** Health and nutrition of high Andean Indians. Am. J. Digest. Dis., 1938-39, 5: 432-6.—**McCaskill, J. C.** Social hygiene in racial problems: the Indian. J. Social Hyg., 1932, 18: 438-46.—**McGibony, J. R.** Indians and Selective Service. Pub. Health Rep., Wash., 1942, 57: 1-7.—**Malattie pre-colombiane fra gli Indiani d'America.** Minerva med., Tor., 1940, 31: pt 1, varia, 360-4 (microfilm)—**Marshall, L. R.** Health studies among the Indians. Trained Nurse, 1936, 97: 41-6.—**Report of Committee on Indian Affairs of the Canadian Dental Association.** J. Canad. Dent. Ass., 1939, 5: 34.—**Salsbury, C. G.** Disease incidence among the Navajos. Southwest. M., 1937, 21: 230-3.—**Stanley, E. H.** The teeth and habits of the Siwash. Internat. J. Orthodont., 1926, 12: 708-10.—**Tillim, S. J.** Health among the Navajos. Southwest M., 1936, 20: 355; 388; 432.—**Townsend, J. G.** Disease and the Indian. Sc. Month., 1938, 47: 479-95.— Commissioner's annual report, 1939. Proc. Conf. Health Author. N. America, 1940, 55. meet., 107-14.— Indian health; past, present, and future. In *Changing Indian* (La Farge, O.) Norman, 1942, 28-41, pl.—**Williamson, T. S.** Diseases of the Dakota Indians. Minnesota M., 1940, 23: 725; 798.—**Wissler, C.** Distribution of deaths among American Indians. Human Biol., 1936, 8: 223-31.— The effect of civilization upon the length of life of the American Indian. Sc. Month., 1936, 43: 5-13.

Ethnology and sociology.

GOLDFRANK, E. S. The social and ceremonial organization of Cochiti. 129p. 8° Menasha, 1927.

UNDERHILL, R. M. Social organization of the Papago Indians. 280p. 24½cm. N. Y., 1939.

Aginsky, B. W. An Indian's soliloquy. Am. J. Sociol., 1940-41, 46: 43.—**Billbrough, M.** Recreation among the Sioux Indians. J. Health Phys. Educ., 1936, 7: 298; 343.—**Carr, M., Spencer, K., & Woolley, D.** Navaho clans and marriage at Pueblo Alto. Am. Anthropol., 1939, 41: 245-57.—**Fenton, W. N.** Some social customs of the modern Seneca. Social Welf. Bull., 1936, 7: 4-7.—**Haile, B.** Navaho upward reaching way and emergence place. Am. Anthropol., 1942, 44: 407-20.—**Harrington, M. R.** A primitive Pueblo City in Nevada. Ibid., 1927, 29: 262-77, 6 pl.—**Hayner, N. S.** Variability in the criminal behavior of American Indians. Am. J. Sociol., 1941-42, 47: 602-13.—**Humphrey, N. D.** A characterization of certain Plains associations. Am. Anthropol., 1941, 43: 428-36.—**Kimball, S. T., & Provinse, H. J.** Navajo social organization in land use planning. Appl. Anthropol., 1941-42, 1:

No. 4, 18-25.—**Linton, R. M.** Land tenure in aboriginal America. In *Changing Indian* (La Farge, O.) Norman, 1942, 42-54, pl.—**MacGregor, G.** The social and economic adjustment of the Indians of the Sacramento jurisdiction of California. *Proc. Pacific Sc. Congr.* (1939) 1940, 6. *Congr.*, 4: 53-8.—**MacLeod, W. C.** Police and punishment among native Americans of the Plains. *J. Crim.*, Chic., 1937-38, 28: 181-201.—**Olson, R. L.** Some trading customs of the Chilkat Tlingit. In *Essays Anthropol.* A. L. Kroeber, Berkeley, 1936, 211-14.—**Opler, M. E.** The kinship systems of the Southern Athabaskan-speaking tribes. *Am. Anthropol.*, 1936, 38: 620-33.—
A description of a Tonkawa peyote meeting held in 1902. *Ibid.*, 1939, 41: 433-9.—**Parsons, E. C.** The social organization of the Tewa of New Mexico. *Mem. Am. Anthropol. Ass.*, 1929, 309, 42 pl., 3 ch.—
The house-clan complex of the Pueblos. In *Essays Anthropol.* A. L. Kroeber, Berkeley, 1936, 229-32.—**Petrullo, V.** Composition of torts in Guajiro society. *Pub. Philadelphia Anthropol. Soc.*, 1937, 1: 153-60.—**Strong, W. D.** Cross-cousin marriage and the culture of the North-eastern Algonkian. *Am. Anthropol.*, 1929, 31: 277-88.—**Swanton, J. R.** Social organization and social usages of the Indians of the Creek Confederacy. *Bull. Annual Rep. Bur. Am. Ethnol.* (1924-25) 1928, 42: 23-472.—**Tribal** meeting of Kiowa, Comanche, and Apache Indians [Illust.] In *Changing Indian* (La Farge, O.) Norman, 1942, opp. p. 18.—**Wardle, H. N.** The scope of the rite of adoption in aboriginal North America. *Pub. Philadelphia Anthropol. Soc.*, 1937, 1: 211-9.—**Zimmerman, C. L.** Customs and traditions. In his *White Eagle*, Harrisb., 1941, 81-100.

Folklore.

BRINTON, D. G. The myths of the New World; a treatise on the symbolism and mythology of the red race of America. 2. ed. 331p. 8° N. Y., 1876.
FRACHTENBERG, L. J. Alsea texts and myths. 304p. 8° Wash., 1920.

KRICKENBERG, W. Indianermärchen aus Nordamerika. 418p. 8° Jena, 1924.

MICHELSON, T. Notes on the Fox Wāpanōwīweni. 195p. 8° Wash., 1932.

SWANTON, J. R. Myths and tales of the south-eastern Indians. 275p. 8° Wash., 1929.

Ahenakew, E. Cree trickster tales. *J. Am. Folklore*, 1929, 42: 309-53.—**Cézar, F. de O.** Legends of the Guaraní Indians. *Bull. Panamer. Union*, 1938, 72: 642-3.—**Dangel, R.** Gibt es normannische Einflüsse auf den Mythos der nordamerikanischen Indianer? *Mitt. Anthropol. Ges. Wien*, 1927, 57: 44-50.—**Kunike, H.** Zur Astralmithologie der nordamerikanischen Indianer. *Internat. Arch. Ethnogr.*, Leiden, 1926, 27: 1; 55; 107.—**Loeb, E. M.** The creator concept among the Indians of North Central California. *Am. Anthropol.*, 1926, 28: 467-93.—**Nimuendajū-Unkel, C.** Die Sagen von der Erschaffung und Vernichtung der Welt als Grundlagen der Religion der Apocúva-Guarani. *Zschr. Ethnol.*, 1914, 46: 284-403.—**Parsons, E. C.** Zuñi tales. *J. Am. Folklore*, 1930, 43: 1-58.—**Sapir, E.** The collection of Navaho folk-lore. *Yearb. Am. Philos. Soc.* (1940) 1941, 237.

History.

ACOSTA, J. De promulgatione Evangelii; sive, De procuranda Indorum salute libri sex. p.99-581. 13½cm. [text] Köln, 1596.

BUSHNELL, D. I. The Manahoac tribes in Virginia, 1608. 56p. 8° Wash., 1935.

— Indian sites below the Falls of the Rappahannock, Virginia. 65p. 8° Wash., 1937.

— Evidence of early Indian occupancy near the peaks of Otter, Bedford County, Virginia. 14p. 8° Wash., 1940.

DÍAZ ROMERO, B. Ensayo de prehistoria Americana: Tiahuanacu y la America primitiva. 2. ed. 198p. sm. 4° La Paz, 1920.

FOREMAN, G. Indians and pioneers; the story of the American Southwest before 1830. 348p. 8° N. Haven, 1930.

FRIEDERICI, G. Indianer und Anglo-Amerikaner; ein geschichtlicher Ueberblick. 147p. 12° Brnschw., 1900.

KURZ, R. F. Journal; translated by M. Jarrell, edited by J. N. B. Hewitt. 382p. 8° Wash., 1937.

RADIN, P. The story of the American Indian. 371p. 8° N. Y. [1927]

SEDGWICK, M. K. (RICE) Acoma, the sky city; a study in Pueblo-Indian history and civilization. 314p. 8° Cambr., Mass., 1926.

UNDERHILL, R. M. First penthouse dwellers of America. 155p. 23½cm. N. Y. [1938]

WENHOLD, L. L. A 17th century letter of Gabriel Díaz Vara Calderón, Bishop of Cuba, describing the Indians and the Indian missions of Florida. 14p. 8° Wash., 1936.

Bernard, L. L. North American culture areas. In his *Introduct. Sociol.*, N. Y., 1942, 776-88.—**Bushnell, D. I., jr.** Evidence of Indian occupancy in Albemarle County, Virginia. *Smithson. Misc. Coll.*, 1933, 89: 1-24, 11 pl.

— Tribal migrations East of the Mississippi. *Ibid.*, 1934, 89: 1-9, 4 pl.—**Fenton, W. N.** Problems arising from the historic northeastern position of the Iroquois. *Ibid.*, 1940, 100: 159-251.—**Griffin, J. B.** On the historic location of the Tutelo and the Mohetan in the Ohio Valley. *Am. Anthropol.*, 1942, 44: 275-80.

Harrington, J. P. A new original version of Boscana's historical account of the San Juan Capistrano Indians of Southern California. *Smithson. Misc. Coll.*, 1934, 92: 1-62, pl., portr.—**Hrdlička, A.** The race and antiquity of the American Indian. *Sc. American*, 1926, 135: 7-9.—**Imbelloni, J.** Einige konkrete Beweise für die ausserkontinentalen Beziehungen der Indianer Amerikas. *Mitt. Anthropol. Ges. Wien*, 1928, 58: 301-31.—**Mayo, W. J.** The American Indian and origin in Mongolia, Asia. *Proc. Mayo Clin.*, 1932, 7: 460.—**Myer, W. E.** Indian trails of the southwest. *Annual Rep. Bur. Am. Ethnol.* (1924-25) 1928, 42: 727-854, map.—**Osgood, C.** Prehistoric contact between South America and the West Indies. *Proc. Nat. Acad. Sc. U. S.*, 1942, 28: 1-4.—**Roberts, F. H. H., jr.** Early Pueblo ruins in the Piedra District, Southwestern Colorado. *Annual Rep. Bur. Am. Ethnol.*, 1930, 96: 1-190, 55 pl.

— Developments in the problem of the North American Paleo-Indian. *Smithson. Misc. Collect.*, 1940, 100: 51-116.

— Recent evidence relating to an early Indian occupation in North America. *Proc. Am. Sc. Congr.* (1940) 1942, 8. *Congr.*, 31-8.—**Roys, R. L., Scholes, F. V., & Adams, E. B.** Report and census of the Indians of Cozumel, 1570. *Contr. Am. Anthropol.* (Carnegie Inst.) Wash., 1940, 6: 1-30.—**Russell, F. M.** Petroglyphs, the record of a great adventure. *Am. Anthropol.*, 1931, 33: 32-7. pl.—**Strong, W. D.** What is a Pre-Amerindian? *Science*, 1940, 91: 594-6.—**Toland, C. G.** Nan-tan-be-tun-ny-ki-aye, the white chief with the high forehead. *Tr. West. Surg. Ass.* (1931) 1932, 41: 37-58.—**Wakefield, E. G., & Dellinger, S. C.** Artefacts found among the remains of the mound builders. *Bull. Inst. Hist. M., Balt.*, 1937, 5: 452-60, pl.—**Weidenreich, F.** The upper paleolithic man of the upper cave of Choukoutien and his bearing on the problem of the provenance of the American Indians. *Proc. Pacific Sc. Congr.* (1939) 1940, 6. *Congr.*, 4: 165-8.—**Wissler, C.** Social history of the red man. In *Handb. Social Psychol.* (Murchison, C.) Worcester, 1935, 268-308.—**Zimmerman, C. L.** History of the Indians. In his *White Eagle*, Harrisb., 1941, 13-29.

— Chiefs of many tribes. *Ibid.*, 35-9.

— History of the Ponca tribe. *Ibid.*, 40-70.

Language and literature.

BOAS, F., & DELORIA, E. Dakota grammar. 183p. 28½ x 23cm. Wash., 1941.

FRIEDERICI, G. Hilfswörterbuch für den Amerikanisten: Lehnwörter aus Indianer-Sprachen und Erklärungen altertümlicher Ausdrücke. 115p. 8° Halle, 1926.

GOODARD, P. E. Navajo texts. 179p. 24½cm. N. Y., 1933.

JACKSON, A. T. Picture-writing of Texas Indians. 490p. 8° Austin [1938]

LA CARRERA, F. Arte de la lengua yunga (1644) Reed., con introd. y notas por Radames A. Altieri. 117p. 28cm. Tucumán, 1939.

PILLING, J. C. Bibliography of the Eskimo language. 116p. 8° Wash., 1887.

— Bibliography of the Iroquoian languages. 208p. 8° Wash., 1888.

— Bibliography of the Siouan languages. 87p. 8° Wash., 1887.

SITTING BULL. Autobiography of Sitting Bull. Newspaper clippings from New York Herald, circa July 6, 1876. 81. 8° N. Y., 1876.

Autobiography (The) of a Papago woman. *Mem. Am. Anthropol. Ass.*, 1936, No. 46, 1-64.—**Boas, F.** Classification of American Indian languages. In his *Race Language & Cult.*, N. Y., 1940, 219-25.—**Davis, E. C.** New written language makes debut in America. *Science News Lett.*, 1940, 37: 154.—**De Angulo, J.** Two parallel modes of conjugation in the Pit River language. *Am. Anthropol.*, 1926, 28: 273.—**Firth, J. R.** Phonological features of some Indian languages. *Proc. Internat. Congr. Phonet. Sc.* (1935) 1936, 2. *Congr.*, 176-82.—**Gatschet, A. S., & Swanton, J. R.** A dictionary of the Atakapa language accompanied by text material. *Annual Rep. Bur. Am. Ethnol.*, 1932, 108: 1-181, portr.—**Geary, J. A.**

Preparation of a phonemic text, with English translation, of a Fox Indian manuscript written in the current Fox syllabic script, which narrates the complete story of Wisahkâha, the traditional culture-hero, trickster, and dupe of the Fox mythology. Yearb. Am. Philos. Soc., 1941, 235-7.—**La Flesche, F. A.** A dictionary of the Osage language. Annual Rep. Bur. Am. Ethnol., 1932, 109: 1-406.—**Lowie, R. H.** The kinship terminology of the Bannock Indians. Am. Anthrop., 1930, 32: 294-9.—**Mason, J. A.** The classification of the Sonoran languages (with an appendix by B. L. Whorf) In Essays in Anthrop. A. L. Kroeber, Berkeley, 1936, 183-98.—**Michelson, T.** Indian language studies on James and Hudson's Bays, Canada. Explorations Smithsonian. Inst., 1935, 75-80.—**Smithsonian, Inst. Anthropol. Papers**, 1939, 69-95.—**Mooney, J., & Olbrechts, F. M.** The swimmer manuscript, Cherokee sacred formulas and medicinal prescriptions. Annual Rep. Bur. Am. Ethnol., 1932, 99: 1-319, 12 pl.—**Parsons, E. C.** The kinship nomenclature of the Pueblo Indians. Am. Anthrop., 1932, 34: 377-89.—**Paz y Mino, L. T.** Lenguas indígenas del Ecuador. Proc. Am. Sc. Congr. (1940) 1942, 8. Congr., 277.—**Quimby, C. I., jr.** Some notes on kinship and kinship terminology among the Potawatomi of the Huron. Papers Michigan Acad. Sc. (1939) 1940, 25: 553-63.—**Reichard, G. A.** The translation of 2 Navaho chant words. Am. Anthrop., 1942, 44: 421-4.—**Spinden, H. J.** Indian manuscripts of southern Mexico. Annual Rep. Bd Regents Smithsonian. Inst., 1933, 429-51.—**Thomas, A. B.** An 18th century Comanche document. Am. Anthrop., 1929, 31: 289-98, 3 pl.—**Voegelin, C. F.** Internal relationships of Siouan languages. Ibid., 1941, 43: 246-9.—**Zorn, E. R.** Zeichensprache und Signalwesen bei den Präindianervölkern. Erdball, 1928, 2: 52-6.

Medical service.

MOUNTIN, J. W., & TOWNSEND, J. G. Observations on Indian health problems and facilities. 47p. 8° Wash., 1936.

Boynton, R. E., & Hilbert, H. Government medical care better health conditions of Chippewa Indian tribes. Nation's Health, Chic., 1926, 8: 306; 366.—**Butler, J. J.** Indian service. Med. Econ., 1935-36, 13: 38-46.—**Collier, J.** Indian health administration. Proc. Conf. Health Author. N. America, 1934, 49, meet., 40-2.—**Hoffman, F. L.** The medical and hospital service of the U. S. Bureau of Indian Affairs. Hosp. Social Serv., 1929, 19: 544-52.—**Indian service nurses.** Rep. Wisconsin Bd Health, 1933-34, 35: 95-8.—**Joseph, A.** Physician and patient; some aspects of interpersonal relations between physicians and patients, with special regard to the relationship of white physicians and Indian patients. Appl. Anthropol., 1941-42, 1: No. 4, 1-6.—**McGibony, J. R.** Health center for 6,000, the new hospital of the Pima Agency, Sacaton, Arizona. Mod. Hosp., 1943, 60: 60.—**Mundt, R.** Indian medical service. Mil. Surgeon, 1940, 86: 103-6.—**New general hospital for care of Indians** [Fort Defiance, Arizona] J. Am. M. Ass., 1937, 109: 1048, illust.—**Richardson, W. H.** North Carolina Indians and the public health program. Health Bull., Raleigh, 1941, 56: No. 8, 9.—**Rosebud** reveals the responsiveness of the Indians; a health experiment that won permanence. Red Cross Courier, 1927, 6: No. 5, 16.—**Schnur, L.** Navajos train ward aides to counteract medicine men. Mod. Hosp., 1942, 59: 80.—**Townsend, J. G.** Medical and health work among the North American Indians. Health Off., Wash., 1937, 2: 350-2.—**Watson, E. L.** Indian hospital. Hygeia, Chic., 1939, 17: 1110-3.—**Will they give it back to the Indians?** Pennsylvania M. J., 1940-41, 44: 63-8.—**Worley, J. F.** Indian service health activities in Alaska. Health Off., Wash., 1939, 4: 192-201.—**Yule, R. F.** A year with the Indians. Manitoba M. Ass. Rev., 1942, 22: 246.

Medicine.

See also Shamanism.

CORTLETT, W. T. The medicine-man of the American Indian and his cultural background. 369p. 8° Springf. [1935]

HARDMEIER, H. *Die medizinischen Anschauungen der südamerikanischen Indianer. 104p. 8° Zür., 1927.

LINTON, R. Annual ceremony of the Pawnee medicine men. 20p. 8° Chic., 1922-23.

PARK, W. Z. Shamanism in western North America. 166p. 23½cm. Evanston, 1938.

PART, L. *Die Medizin der amerikanischen Indianer. 18p. 23½cm. Lausanne, 1937.

REICHARD, G. A. Navajo medicine man, sandpaintings and legends of Miguelito. 83p. 35 x 27½cm. N. Y. [1939]

SPECK, F. G. Penobscot Shamanism. p.239-98. 8° Lancaster, 1919.

STONE, E. Medicine among the American Indians. 139p. 16° N. Y., 1932.

Beardsley, G. Notes on Cree medicines, based on a collection made by I. Cowie in 1892. Papers Michigan Acad. Sc. (1941) 1942, 27: 483-96.—**Brooks, H.** The medicine of the American Indian. Bull. N. York Acad. M., 1929, 2, ser., 5: 509-37. Also J. Lab. Clin. M., 1933, 19: 1-23.—**Burns, H. A.** Indian medicine. Centaur, Menasha, 1936-37, 42: 106-11.—**Clendening, L.** The medicine man. In his Behind the doctor, N. Y., 1933, 3-26.—**Culley, J.** The California Indians: their medical practices and their drugs. J. Am. Pharm. Ass., 1936, 25: 332-9.—**Darby, G. E.** Indian medicine in British Columbia. Canad. M. Ass. J., 1933, 28: 433-8.—**Dominguez, J. A.** La medicina americana, pre-hispánica. Sem. méd., B. Air., 1931, 38: pt 2, 1393.—**Fargo, W. C.** Navajo medicine men. Bull. Acad. M. Cleveland, 1940, 25: No. 2, 10.—**Fenton, W. N.** A further quest for Iroquois medicines. Explorations Smithsonian. Inst., 1939, 93-6.—**Frazer, J. G.** The shaman. In his Native Races of America, Lond., 1939, 22: 110.—**Shamanism.** Ibid., 82-5.—**Shamanism and secret societies.** Ibid., 93-5.—**Curing disease.** Ibid., 102.—**Medicinal herbs.** Ibid., 130.—**Medicine-men.** Ibid., 145.—**Gusinde, M.** Der Medizinmann bei den südamerikanischen Indianern. Mitt. Anthropol. Ges. Wien, 1932, 62: 286.—**Hallowell, A. I.** The passing of the Midewiwin in the Lake Winnipeg Region. Am. Anthrop., 1936, 38: 32-51.—**Hrdlička, A.** Disease, medicine and surgery among the American aborigines. J. Am. M. Ass., 1932, 99: 1661-6.—**Jones, A. C.** Medicine and medical practices among the Indians of the Northwest. Med. Herald, 1932, 51: 327-40.—**Jones, H.** The practice of medicine among our aborigines. Ann. M. Hist., 1930, n. ser., 2: 436-9.—**Historical medicine; Indian and white man.** Med. J. & Rec., N. Y., 1931, 134: 297.—**Aboriginal medicine.** Med. J., N. Y., 1933, 137: 34; 78.—**Kelly, I. T.** Chemehuevi shamanism. In Essays Anthropol. A. L. Kroeber, Berkeley, 1936, 129-42.—**Krogman, W. M.** Medical practices and diseases of the aboriginal American Indians. Ciba Symposia, 1939-40, 1: No. 1, 11-8.—**Lloyd, J. U.** Concerning Indian medication. Elect. M. J., 1935, 95: 365.—**Major, R. C.** Aboriginal American medicine, north of Mexico. Ann. M. Hist., 1938, n. ser., 10: 534-49.—**Medicine man administering to a patient.** Illustration; Disbrow Collection, in Library.—**Medicine man got results; he treated simpler ills.** Science News Lett., 1937, 31: 201.—**Mettel, B. T.** Medicine in ancient America. Hygeia, Chic., 1935, 13: 342-5.—**Mumey, N.** Medicine man of the American Indian. Bull. M. Libr. Ass., 1941-42, 30: 203-6.—**Murphy, H. H.** Indian medicine. Canad. M. Ass. J., 1927, 17: 725-7.—**Olbrechts, F. M.** Prophylaxis in Cherokee medicine. Janus, Leiden, 1929, 33: 18-22.—**Some notes on Cherokee treatment of disease.** Ibid., 271-80, pl.—**Opler, M. E.** Some points of comparison and contrast between the treatment of functional disorders by Apache shamans and modern psychiatric practice. Am. J. Psychiat., 1936, 92: 1371-87.—**Folk beliefs, muscular tremors, and dreams.** In his Apache Lifeway, Chic., 1941, 186-93.—**The personnel of shamanism.** Ibid., 200.—**Medical practices.** Ibid., 216-23, pl.—**The generalized curing rite.** Ibid., 257-67.—**Riddell, W. R.** Medicine of the Indians of Acadia two and a quarter centuries ago. Med. Rec., N. Y., 1934, 140: 95.—**Romig, J. H.** Medicine among the Eskimo. Pacific Coast J. Homeop., 1905, 13: 219-21.—**Schachter, Médecins et médecine chez les Indiens de l'Amérique.** Paris méd., 1932, 84: annexe, 185-7.—**Sciamanism e indiani d'America.** Minerva med., Tor., 1940, 31: pt 2, varia, 326-8 (microfilm)—**Seymour, F. W.** Cooperative shamanism. Clin. M. & S., 1935, 42: 486-8.—**Shuman, J. W.** Southern California medicine; part 1: Indian medicine. Med. Rec., N. Y., 1938, 147: 387-91.—**Speck, F. G.** Catawba medicines and curative practices. Pub. Philadelphia Anthropol. Soc., 1937, 1: 179-97.—**Stahl, A.** La medicina entre los Indios. Bol. As. méd. Puerto Rico, 1903, 1: 166; passim.—**Stone, E.** Medicine among the Iroquois. Ann. M. Hist., 1934, n. ser., 6: 529-39.—**Stone, E. L.** Canadian Indian medical services. Canad. M. Ass. J., 1935, 33: 82-5.—**Thomsa, S. J.** A Sioux medicine bundle. Am. Anthrop., 1941, 43: 605-9, 2 pl.—**True, M.** The Indian medicine man. Med. Woman J., 1941, 48: 148-50.—**Walkin, F.** Social and medical aspects of the Manitouwapah Indians. Manitoba M. Ass. Rev., 1941, 21: 157-60.

Psychology.

Allen, G. Reactions of 8 San Blas Indians to performance tests. Am. J. Phys. Anthropol., 1926, 9: 81-5.—**Bailey, F. L.** Navaho motor habits. Am. Anthrop., 1942, 44: 210-34.—**Chief, E. H.** An assimilation study of Indian girls. J. Social Psychol., 1940, 11: 19-30.—**Devereux, G.** The mental hygiene of the American Indian. Ment. Hyg., Alb., 1942, 26: 71-84.—**Erikson, E. H.** Observations on Sioux education. J. Psychol., 1939, 7: 101-56.—**Fitzgerald, J. A., & Ludeman, W. W.** The intelligence of Indian children. J. Comp. Psychol., 1926, 6: 319-28.—**Garth, T. R.** Mental fatigue of Indians of nomadic and sedentary tribes. J. Appl. Psychol., 1926-27, 10: 437-52.—**A comparison of mental abilities of nomadic and sedentary Indians on a basis of education.** Am. Anthrop., 1927, 29: 206-13.—**The community of ideas of Indians.** Psychol. Rev., 1927, 34: 391-9.—**Garth, T. R., jr.** The personality of Indians. J. Appl. Psychol., 1937, 21: 464-7.—**Garth, T. R., & Smith, O. D.** The performances of full-blood Indians on language and non-language intelligence tests. J. Abnorm. Psychol., 1937-38, 32: 376-81.—**Hansen, H. C.** Scholastic achievement of Indian pupils. J. Genet. Psychol.,

1937, 50: 361-9. — Relationship between sex and school achievement of 1,000 Indian children. *J. Social Psychol.*, 1939, 10: 399-406.—**Haught, B. F.** Mental growth of the Southwestern Indian. *J. Appl. Psychol.*, 1934, 18: 137-42.—**Henry, J.** Some cultural determinants of hostility in Pilaga Indian children. *Am. J. Orthopsychiat.*, 1940, 10: 111-22.—**Kluckhohn, C.** The socialization of 48 Navaho Indian children. *Yearb. Am. Philos. Soc.*, 1941, 216.—**Leighton, A. H., & Leighton, D. C.** Some types of uneasiness and fear in a Navaho Indian community. *Am. Anthropol.*, 1942, 44: 194-209.—**McCaskill, J. C.** Occupational orientation of Indian students. *Occupations*, 1939-40, 18: 257-61.—**Opler, M. E.** An interpretation of ambivalence of 2 American Indian tribes. *J. Social Psychol.*, 1936, 7: 82-116.—**Pfister, O.** Instinctive psychoanalysis among the Navahos. *J. Nerv. Ment. Dis.*, 1932, 76: 234.—**Pressey, S. L., & Pressey, L. C.** A comparative study of the emotional attitudes and interests of Indian and white children. *J. Appl. Psychol.*, 1933, 17: 227-38. — A study of the emotional attitudes of Indians possessing different degrees of Indian blood. *Ibid.*, 410-6. — A comparison of the emotional development of Indians belonging to different tribes. *Ibid.*, 535-41.—**Ryan, W. C., jr.** Special capacities of American Indians. *Se. Papers Internat. Congr. Eugen.* (1932) 1934, 3. Congr., 159-63.—**Sparling, M. E.** Intelligence of Indian children; the relationship between Binet and Porteus scores. *Am. J. Ment. Defic.*, 1941-42, 46: 60-2.—**Steggerda, M., & Macomber, E.** Mental and social characteristics of Maya and Navajo Indians as evidenced by a psychological rating scale. *J. Social Psychol.*, 1939, 10: 51-9.—**Telford, C. W.** Comparative studies of full and mixed blood North Dakota Indians. *Psychol. Monogr.*, 1938, 50: No. 5, 116-29.—**Toffelmier, G., & Luomala, K.** Dreams and dream interpretation of the Diegueño Indians and Southern California. *Psychoanal. Q.*, 1936, 5: 195-225.

— Tribes and families: Central America.

See also *Maya; Nahuatlén stock.*

SCHULTZE JENA, L. *Indiana*. 3v. 27½cm. Jena, 1933-38.

Conzemius, E. Die Rama-Indianer von Nicaragua. *Zschr. Ethnol.*, 1927-28, 59: 291-362. — Une tribu inconnue du Costa-Rica: les indiens Rama du Río Zapote. *Anthropologie, Par.*, 1930, 40: 93-108. — Ethnographical survey of the Miskito and Sumu Indians of Honduras and Nicaragua. *Annual Rep. Bur. Am. Ethnol.*, 1932, 106: 1-191, 10 pl.—**Gamiz, E.** Las razas indígenas del estado de Durango; el problema de su educación. *Mem. Soc. Antonio Alzate*, 1929, 49: 13-36.—**Harris, R. G.** The San Blas Indians. *Am. J. Phys. Anthropol.*, 1926, 9: 17-63, 2 pl.—**Hrdlička, A.** The Indians of Panama; their physical relation to the Mayas. *Ibid.*, 1-15, pl.—**Masturzi, G.** Una expedición a la Isla del Tiburón; vida, costumbres y tradiciones de los indios seris. *Mem. Soc. Antonio Alzate*, 1929-30, 52: 267-77, 3 pl.

— Tribes and families: North America.

See also *Eskimo*.

HODGE, F. W. *Handbook of American Indians north of Mexico*. pt 2. 1221p. 8° Wash., 1910.

KROEBER, A. L. *Handbook of the Indians of California*. 995p. 8° Wash., 1925.

LEWIS, A. B. *Tribes of the Columbia Valley and the coast of Washington and Oregon*. p.147-209. 8° Lanc., 1906.

MERRIAM, C. H. *The classification and distribution of the Pit River Indian tribes of California*. 52p. 8° Wash., 1926.

MURDOCK, G. P. *Rank and potlatch among the Haida*. 20p. 25cm. N. Haven, 1936.

OSGOOD, C. *The ethnography of the Tanaina*. 229p. 25cm. N. Haven, 1937.

PARSONS, E. C. *Notes on Zúñi*. 2 pt. p.151-225; p.229-327. 8° Lanc., 1917.

SPECK, F. G. *Penobscot man*. 325p. 24½cm. Phila., 1940.

SPIER, L. *Klamath ethnography*. 338p. 8° Berkeley, 1930.

STIRLING, M. W. *Historical and ethnographical material on the Jivaro Indians*. 148p. 8° Wash., 1938.

SWANTON, J. R. *An early account of the Choctaw Indians*. p.51-72. 8° Lanc., 1918.

— *Source material for the social and ceremonial life of the Choctaw Indians*. 273p. 8° Wash., 1931.

TURNER-HIGH, H. H. *Ethnography of the Kutenai*. 202p. 24½cm. Menasha, 1941.

WEDEL, W. R. *An introduction to Pawnee archeology*. 122p. 8° Wash., 1936.

WHITMAN, W. *The San Ildefonso of New Mexico*. p.390-462. 23cm. N. Y., 1940.

Barrett, S. A. *The army worm; a food of the Pomo Indians*. In *Essays Anthropol.* A. L. Kroeber, Berkeley, 1936, 1-6.—

Cotter, J. L. *The significance of Folsom and Yuma artifact occurrences in the light of typology and distribution*. *Pub. Philadelphia Anthropol. Soc.*, 1937, 1: 27-35.—**Davidson, D. S.** *Notes on the Tête de Boule ethnology*. *Am. Anthropol.*, 1928, 30: 18-46.—**Forbin, V.** *Les Indiens du Canada*. *Nature, Par.*, 1927, 55: 145-8.—**Frazier, J. G.** *Indians of British Columbia*. In *his Native Races of America*, *Lond.*, 1939, 86-131. — *Natives of Arkansas*. *Ibid.*, 164-6. — *Natives of Southeastern area*. *Ibid.*, 166-70.—**Haas, M. R.** *Creek inter-town relations*. *Am. Anthropol.*, 1940, 42: 479-89.—

Hewitt, J. N. B., & Swanton, J. R. *Notes on the Creek Indians*. *Smithson. Inst. Anthropol. Papers*, 1939, 123-59.—**Hirsch, H. M.** *New York State Indians*. *Social Welf. Bull.*, 1936, 7: 1; 3; 9.—

Kelly, W. H. *Coppa gentes*. *Am. Anthropol.*, 1942, 44: 675-91, ch.—**Knipe, N.** *The Coast Indians of British Columbia*. *Canad. Nurse*, 1941, 37: 233-8.—**Laguna, F. de.** *A preliminary sketch of the Eyak Indians, Copper River Delta, Alaska*. In *Pub. Philadelphia Anthropol. Soc.*, 1937, 1: 63-75.—**Merriam, C. H.** *The New River Indians Tl'hom-tah-hoi*. *Am. Anthropol.*, 1930, 32: 280-93, pl. map.—**Mooney, J.** *The aboriginal population of America north of Mexico*. *Smithson. Misc. Collect.*, 1928, 80: No. 7, 1-40.—**Murdock, G. P.** *Ethnographic bibliography of North America* [rev. by K. Rishbeth]. *Nature, Lond.*, 1942, 150: 619.—**Park, W. Z., Siskin, E.** [et al.] *Tribal distribution in the Great Basin*. *Am. Anthropol.*, 1938, 40: 622-38.—**Parsons, E. C.** *Isla, New Mexico*. *Annual Rep. Bur. Am. Ethnol.*, 1929-30, 47: 201-466, 4 pl. — *Notes on the Caddo*. *Mem. Am. Anthropol. Ass.*, 1941, No. 57, 1-76, pl.—**Ray, V. F.** *Tribal distribution in eastern Oregon and adjacent regions*. *Am. Anthropol.*, 1938, 40: 384-415.—

Roberts, F. H. H., jr. *The village of the Great Kivas on the Zúñi reservation New Mexico*. *Annual Rep. Bur. Am. Ethnol.*, 1932, 111: 1-197, 5 maps, 63 pl.—**Rushy, H. H., & Krukoff, B. A.** *The Parintint Indians*. *Med. Rec.*, N. Y., 1934, 139: 616-8.—**Smith, M. W.** *The Puallup of Washington*. In *Accult. Am. Indian tribes* (Linton, R.) N. Y., 1940, 3-38.—

Spier, L. *Havasupai ethnography*. *Anthropol. Papers Am. Mus. Nat. Hist.*, 1928, 29: pt 3, 84-392, 3 ch. — *Completion of an extended ethnography of the Modoc Indians of Oregon*. *Yearb. Am. Philos. Soc.* (1939) 1940, 294 (1940) 1941, 253.—**Turner-High, H. H.** *The Flathead Indians of Montana*. *Mem. Am. Anthropol. Ass.*, 1937, No. 48, 1-161.—

White, L. A. *The Acoma Indians*. *Annual Rep. Bur. Am. Ethnol.*, 1929-30, 47: 23-200, 16 pl. — *The pueblo of San Felipe*. *Mem. Am. Anthropol. Ass.*, 1932, No. 38, 1-69, 3 pl. — *The Pueblo of Santo Domingo, New Mexico*. *Ibid.*, 1935, No. 43, 1-210, 8 pl.

— *Tribes and families: North America: Algonkian family.*

ELKIN, H. *The Northern Arapaho of Wyoming*. p.207-58. 23cm. N. Y., 1940.

JENNESS, D. *The Sarcee Indians of Alberta*. 98p. 8° Ottawa, 1938.

SPECK, F. G. *The functions of wampum among the Eastern Algonkian*. 71p. 8° Lanc., 1919.

STRONG, W. D. *The Indian tribes of the Chicago region with special reference to the Illinois and the Potawatomi*. 36p. 8° Chic., 1926.

Krieger, H. W. *Tidewater Algonkian Indians of Virginia and Maryland*. *Explorations Smithson. Inst.*, 1935, 59-62.—

Legal, E. J. *Blood Indians*. *Cath. Encycl.*, N. Y., 1913, 2: 603.—**Mandelbaum, D. G.** *The Plains Cree*. *Anthropol. Papers Am. Mus. Natur. Hist.*, 1940, 37: 155-316, map.—

Michelson, T. *Studies among the Montagnais-Naskapi Indians of the northern shore of the St. Lawrence River*. *Pub. Smithson. Inst.*, 1938, No. 3480, 119-22.

— *Tribes and families: North America: Athapaskawan family.*

GOLDMAN, I. *The Alkatcho Carrier of British Columbia*. p.333-89. 23cm. N. Y., 1940.

HAILE, B. *Origin legend of the Navaho enemy way; text and translation*. 320p. 25cm. N. Haven, 1938.

HILL, W. W. *Navaho warfare*. 19p. 25cm. N. Haven, 1936.

— *The agricultural and hunting methods of the Navaho Indians*. 194p. 25cm. N. Haven, 1938.

JENNESS, D. The Ojibwa Indians of Parry Island; their social and religious life. 115p. 8°. Ottawa, 1935.

— The Sekani Indians of British Columbia. 82p. 8°. Ottawa, 1937.

KLUCKHORN, C., & WYMAN, L. C. An introduction to Navaho chant practice. 204p. 24½cm. Menasha, 1940.

LANDES, R. The Ojibwa woman. 247p. 24½cm. N. Y., 1938.

OPLER, M. E. An Apache life-way; the economic, social and religious institutions of the Chiricahua Indians. 500p. 21½cm. Chic. [1941]

OSGOOD, C. The distribution of the northern Athapaskan Indians. 23p. 25cm. N. Haven, 1936.

Bailey, F. L. Navaho foods and cooking methods. Am. Anthropol., 1940, 42: 270-90.—Frazer, J. G. The Navajo. In his Native Races of America, Lond., 1939, 175.—Goldman, I. The Alkatcho Carrier; historical background of crest prerogatives. Am. Anthropol., 1941, 43: 396-418, tab.—Harrington, J. P. Southern peripheral Athapaskan origins, divisions, and migrations. Smithson. Misc. Collect., 1940, 100: 503-32.—Kluckhohn, C. Notes on Navajo Eagle Way. New Mexico Anthropologist, 1941, 5: 6-14, pl.—Ostermann, L. The Navajo Indians of New Mexico and Arizona. Anthropos, Wien, 1908, 32: 857-69, 6 pl.—Radin, P. Ojibwa ethnological chitchat. Am. Anthropol., 1924, 26: 491-530.—Reagan, A. B. Notes on the Indians of the Fort Apache Region. Anthropol. Papers Am. Mus. Nat. Hist., 1930, 31: 283-45.

— Tribes and families: North America: Hopi tribe.

BEAGLEHOLE, E. Hopi hunting and hunting ritual. 26p. 25cm. N. Haven, 1936.

— Notes on Hopi economic life. 88p. 25cm. N. Haven, 1937.

— & BEAGLEHOLE, P. Hopi of the second Mesa. 65p. 8°. Menasha, 1935.

PARSONS, E. C. Early relations between Hopi and Keres. Am. Anthropol., 1936, 38: 554-60. — A pre-Spanish record of Hopi ceremonies. Ibid., 1940, 42: 541, pl.—Spirer, J. The Hopi, with particular reference to their social organization. Abstr. Theses Univ. Pittsburgh, 1933, 9: 607.

— Tribes and families: North America: Iroquoian family.

JOFFE, N. F. The Fox of Iowa. p.259-332. 23cm. N. Y., 1940.

JONES, W. Ethnography of the Fox Indians. 156p. 8°. Wash., 1939.

MICHELSON, T. Contributions to Fox ethnology. 168p. 8°. Wash., 1927.

Tribal origins and culture among the Fox Indians. Nature, Lond., 1939, 144: 914.

— Tribes and families: North America: Shoshonean family.

HARRIS, J. S. The White Knife Shoshoni of Nevada. p.39-118. 23cm. N. Y., 1940.

HOEBEL, E. A. The political organization and law-ways of the Comanche Indians. 149p. 24½cm. Menasha, 1940.

OPLER, M. K. The Southern Ute of Colorado. p.119-206. 23cm. N. Y., 1940.

STEWART, J. H. Notes on Hillers' photographs of the Paiute and Ute Indians taken on the Powell Expedition of 1873. 23p. 8°. Wash., 1939.

Shimkin, D. B. Shoshone-Comanche origins and migrations. Proc. Pacific Sc. Congr. (1939) 1940, 6. Congr., 4: 17-25.—Stewart, J. H. Some observations on Shoshonean distributions. Am. Anthropol., 1939, 41: 261-5. — Changes in Shoshonean Indian culture. Sc. Month., 1939, 49: 524-37.

— Tribes and families: North America: Siouan family.

RADIN, P. The social organization of the Winnebago Indians. 40p. 8°. Ottawa, 1915.

ZIMMERMAN, C. L. White Eagle, chief of the Poncas. 273p. 23½cm. [Harrisb.] 1941.

Speck, F. G. Siouan tribes of the Carolinas as known from Catawba, Tutelo, and documentary sources. Am. Anthropol., 1935, 37: 201-25.—Swanton, J. R. Early history of the eastern Siouan tribes. In Essays Anthropol. A. L. Kroeber, Berkeley, 1936, 371-82.

— Tribes and families: South America.

See also Inca; also names of South-American countries.

BOLINDER, G. Die Indianer der tropischen Schneegebirge; Forschungen im nördlichsten Südameriker. 274p. 8°. Stuttg., 1925.

KOCH-GRÜNBERG, T. Zwei Jahre bei den Indianern Nordwest-Brasieliens. 416p. 8°. Stuttg., 1921.

KOPPERS, W. Unter Feuerland-Indianern; eine Forschungsreise zu den südlichsten Bewohnern der Erde. 243p. 8°. Stuttg., 1924.

LOTHROP, S. K. Indians of the Paraná Delta, Argentina. p.77-232. 24½cm. N. Y., 1932.

TESSMANN, G. Die Indianer Nordost-Perus; grundlegende Forschungen für eine systematische Kulturkunde. 856p. 8°. Hamb., 1930.

Conzemius, E. Les tribus indiennes de la Côte des mosquitos. Anthropos, Mödling, 1938, 33: 910-43.—Frazer, J. G. South America. In his Native Races of America, Lond., 1939, 241-59.—Gillin, J. Quichua-speaking Indians of northern Ecuador. Am. Anthropol., 1936, 38: 548-53. — The Quichua-speaking Indians of the Province of Imbabura (Ecuador) and their anthropometric relations with the living populations of the Andean Region. Annual Rep. Bur. Am. Ethnol., 1941, 128: 171-228, 11 pl.—Krieg, H. Das Schicksal der Chaco-Indianer. Münch. med. Wschr., 1934, 81: 1437-9.—Marginal Indians of South don't miss civilization. Science News Lett., 1941, 40: 30.—Petrullo, V. Archeology of Arauquin. Smithson. Inst. Anthropol. Papers, 1939, 293-5, 7 pl.—Roth, W. E. Additional studies of the arts, crafts, and customs of the Guiana Indians; with special reference to those of Southern British Guiana. Annual Rep. Bur. Am. Ethnol., 1929, 91, 1-110, 32 pl.—Schaeuble, J. Indianer und Mischlinge in Südchile. Zschr. Morph. Anthropol., 1939, 38: 63-6.—Sneath, E. H. Unter nordostbrasilianischen Indianern. Zschr. Ethnol. (1930) 1931, 62: 111-205.—Steinen, K. von den. Entre os aborígenes do Brasil central. Rev. Arc. mun., S. Paulo, 1938-39, 5: No. 50, 99; passim.—Wegner, R. N. Die Siriono, der primitivste Volksstamm der Erde. Umschau, 1927, 31: 894-8.

— Vital statistics.

COOK, S. F. Population trends among the California mission Indians. 48p. 24cm. Berkeley, 1940.

WISSLER, C. Population changes among the Northern Plains Indians. 20p. 23cm. N. Haven, 1936.

— Changes in population profiles among the Northern Plains Indians. 67p. 8°. N. Y., 1936.

Aberle, S. D., Watkins, J. H., & Pitney, E. H. The vital history of San Juan Pueblo. Human Biol., 1940, 12: 141-87.—Hoffman, F. L. Are the Indians dying out? Am. J. Pub. Health, 1930, 20: 609-14.—Honigsheim, P. The problem of diffusion and parallel evolution with special reference to American Indians. Papers Michigan Acad. Sc. (1941) 1942, 27: 515-24.—Krogman, W. M. Vital data on the population of the Seminole Indians of Florida and Oklahoma. Human Biol., 1935, 7: 335-49.—Lorimer, F. Observations on the trend of Indian population in the United States. In Changing Indian (La Farge, O.) Norman, 1942, 11-8, pl.

— Welfare.

Beatty, W. W. Training Indians for the best use of their own resources. In Changing Indian (La Farge, O.) Norman, 1942, 128-38, pl.—Brighter homes in the land of sand and sagebrush. Red Cross Courier, 1926, 5: No. 23, 15.—Collier, J. Indian administration: some policies, hopes, and fears. Proc. Nat. Conf. Social Work, 1933, 60, meet., 667-76.—Dela Borbolla, D. F. R. Indian education in Mexico. In Changing Indian (La Farge, O.) Norman, 1942, 103-8.—Dwight, B. Relationships between Indian homes and schools. Proc. Nat. Conf. Social Work, 1933, 60, meet., 677-85.—Harper, A. G. Salvaging the wreckage of Indian land allotment. In Changing Indian (La Farge, O.) Norman, 1942, 84-102, pl.—Kennard, E. A. The use of native languages and cultures in Indian education. Ibid., 109-15.—La Farge, O. New concepts in Indian affairs. Ibid., 166-74.—Lamkin, N. B. The education of the Indian child. Trained Nurse, 1934, 92: 545-50.—Lewis, W. S. Awakening initiative of Indians in the North-

west. *Red Cross Courier*, 1926, 5: No. 19, 13.—**Macgregor, G.** Indian education in relation to the social and economic background of the reservation. In *Changing Indian* (La Farge, O.) Norman, 1942, 116-27.—**Petrullo, V.** Brazilian protection for the Indians. *Bull. Panamer. Union*, 1937, 71: 331-45.—**Sady, E. J.** The Indian service of Mexico. *Ibid.*, 1941, 75: 25-35.—**Stewart, K.** At work in an Indian school. *Canad. Nurse*, 1942, 38: 115.

INDIANA, U. S. A. Board of Health. Annual report. Indianap., 1882-1926.

From 1927 on published in the Yearbook of the State of Indiana.

— Monthly bulletin. Indianap., v.1, 1899-19-]

— Parents part. 14p. 8° [Indianap., 19-]

See also **Rice, T. B.** The beginning of the Indiana State Board of Health. *Month. Bull. Bd Health Indiana*, 1940, 43: 9-12.

INDIANA, U. S. A. Central State Hospital.
See Indianapolis, Ind. Central State Hospital.

INDIANA, U. S. A. Division of Public Health. Quarterly bulletin. Indianap., v.3, 1899.

— Brochure on the treatment of gonorrhea and syphilis. 23p. 8° Indianap. [193-]

INDIANA, U. S. A. Executive Department. Division of Accounting and Statistics. Yearbook of the State of Indiana. Indianap., v.1, 1917-

Contains the Annual report of the Indiana Board of Health, 1927-

INDIANA, U. S. A. Governor's Commission on Unemployment Relief. Yearbook [Indianap.], 1933, 35-

INDIANA, U. S. A. Madison State Hospital.
See Cragmont, Ind. Madison State Hospital.

INDIANA, U. S. A. Southeastern Hospital for the Insane.

See Evansville, Ind. Southern Indiana Hospital for the Insane.

INDIANA, U. S. A. State Health Commission. Annual report. Indianap., 1-2, 1879-80.

For 1882-1926 see under Indiana, U. S. A. Board of Health,

INDIANA, U. S. A. Tuberculosis Hospital of Indiana.

See Rockville, Ind. Indiana State Sanatorium.

INDIANA, U. S. A.

INDIANA, U. S. EXECUTIVE DEPARTMENT. DIVISION OF ACCOUNTING AND STATISTICS. Yearbook of the State of Indiana for the year (1917-) Indianap., v.1, 1917-

KEMPER, G. W. H. Medical history of Delaware County. [14p.] 8° [n. p., after 1907]

MAPLE, J. B. A medical history of Sullivan County, Indiana. 153p. 8° Sullivan, 1936.

PEEBLES, A. *A survey of the medical facilities of Shelby County, Indiana [Columbia Univ.] 221p. 8° Wash., 1930.

Armington, J. H. Indiana; climatic summary. *Yearb. Agr. Wash.*, 1941, 852-61.—**Austin, M. A.** President's address. *J. Indiana M. Ass.*, 1942, 35: 549-52.—**Buying and paying for the public health in Indiana.** *Month. Bull. Bd Health Indiana*, 1942, 45: 160.—**Clark, E. D.** Fine morale of the profession. *J. Indiana M. Ass.*, 1937, 30: 559-62.—**Cravens, J. E.** Central College of Dentistry. In *Hist. Dent. Surg.* (Koeh, C. R. E.) Chic., 1909, 1: 609.—**Eley, T. C.** Marshall County Medical Society's publicity program. *J. Indiana M. Ass.*, 1940, 33: 381.—**Finley, G. W.** A half century of Hoosier medicine. *Indianapolis M. J.*, 1930, 33: 546; 548.—**Garber, M. D.** A brief survey of the medical history of Indiana. *J. Indiana M. Ass.*, 1932, 25: 250-6.—**Gatch, W. D.** Remarks at reception of new students, September 20, 1940. *Q. Bull. Indiana Univ. M. Center*, 1941, 3: 3-5.—**Hendricks, T. A.** Medicine and public opinion. *Med. Bull. Wichita*, 1942, 11: No. 11, 5; 18.—**Hunt, G. E.** Indiana Dental College. In *Hist. Dent. Surg.* (Koeh, C. R. E.) Chic., 1909, 1: 492; 900.—**Indiana**; summary of vital statistics, 1940. *Vital Statist. Spec. Rep. U. S. Bur. Census*, 1941, 14: 439-62.—**Indiana** hospital and other institutional facilities and services, 1939. *Ibid.*, 1941-42, 13: 131-40.—**Indiana's** general hospital unit. *J. Am. M. Ass.*, 1942, 119: 503.—**Jewett, R. E.** Public health services in the Clark County defense area. *Month. Bull. Bd Health Indiana*, 1942, 45: 27.—**Jirka, F. J.** Two versatile Hoosier doctors. In *his Am. Doctors of Destiny*, Chic., 1940, 134-46.—**Mitchell, S. G., & Dunlap, L.** Indiana medicine in retrospect. *J. Indiana M. Ass.*, 1935, 28:

548.—**Ragan, J. S.** Fifty years in the practice of medicine; then and now. *Indianapolis M. J.*, 1927, 30: 151-7.—**Records, A. W.** Indiana's wartime health program. *J. Am. Inst. Homeop.*, 1942, 35: 537.—**Rice, T. B.** The early health history of the city of Indianapolis. *Month. Bull. Bd Health Indiana*, 1939, 42: 277-80.—**Selby, C. D.** You may call it the Indiana plan. *J. Indiana M. Ass.*, 1942, 35: 434.—**Sheppard, V.** Public medical care; Indiana. *Med. Care*, 1942, 2: 229-34.—**Smiley, C.** Building Indiana through nutrition. *Month. Bull. Bd Health Indiana*, 1942, 45: 58.—**Smith, H. M.** Medicine in the Northwestern Territory; a contribution to the early medical history of Indiana. *Tr. Indiana M. Soc.*, 1906, 57: 438-42.—**Vital statistics for 1933.** *Month. Bull. Indiana Div. Pub. Health*, 1934, 37: 34.—**Zerfas, L. G.** Indiana medicine in retrospect. *J. Indiana M. Ass.*, 1935, 28: 152; 403; 447; 673; 1936, 29: 40; 255.

INDIANA Academy of Ophthalmology and Otolaryngology. Transactions of the annual meeting [v. pl.] 11., 1927-

INDIANA Eclectic Medical Association. Proceedings. Indianap., 41., 1905/6-

See also **Long, H.** Reminiscences of the Eclectic Medical Association of the State of Indiana. *Proc. Indiana Eclect. M. Ass.* (1905-6) 1906, 41: 27-30.—**Shewman, E. B.** The medical profession of Indiana. *Ibid.*, 193-5.

INDIANA Medical College. Class of 1906. 61p. 8° Indianap., Hollenbeck press [1935]

INDIANA Nurses Institute. Extension system; lessons 1-20. [77] l. 8° [Indianap. (?) 1935 (?)] Mimeographed.

INDIANAPOLIS, Ind. Central Indiana Hospital for Insane.

See Indianapolis, Ind. Central State Hospital.

INDIANAPOLIS, Ind. Central State Hospital. Annual report. Indianap., 41. (1888/89-) 1889-

INDIANAPOLIS, Ind. City of Indianapolis. Annual report. Indianap., 1879-1915.

INDIANAPOLIS, Ind. Department of Finance. Annual report. Indianap., 1916-27.

INDIANAPOLIS medical journal. Indianap., v.22-35, 1919-33.

Title changed to *Medical arts and Indianapolis medical journal*.

INDIANA School for Feeble-Minded Youth.

See under Fort Wayne, Ind.

INDIANA Society for Mental Hygiene.

Publisher of *Mental (The) hygiene bulletin*.

INDIANA State Medical Association.

INDIANA STATE MEDICAL ASSOCIATION. Program. 16p. 12° Muncie, 1918.

KEMPER, G. W. H. An index and alphabetical list of contributors to the Transactions of the Indiana State Medical Society from its beginning in 1849 to 1907. 38p. 8° [Muncie] 1915.

Annual (90.) session Indiana State Medical Association, Fort Wayne, October 10, 11, 12, 1939. *J. Indiana M. Ass.*, 1939, 32: 475-541.—**Annual** (91.) session, Indiana State Medical Association, French Lick Springs Hotel, French Lick, Indiana, October 29, 30 and 31, 1940. *Ibid.* 1940, 33: 535-90.—**Annual** (92.) session Indiana State Medical Association, Claypool Hotel, Indianapolis, Indiana, September 23, 24 and 25, 1941. *Ibid.*, 1941, 34: 475-520.—**Fort (The) Wayne** convention *Ibid.*, 1939, 32: 624.—**House of Delegates**, Indiana State Medical Association, Indianapolis, September 23, 24, and 25, 1941. *Ibid.*, 1941, 34: 511-3.—**Indiana State Medical Association**; the Council. *Ibid.*, 1940, 33: 99; 1941, 34: 99.—**Indianapolis (The) convention.** *Ibid.*, 1941, 34: 609.—**List of presidents of the Indiana State Medical Association** since its organization. *Ibid.*, 1940, 33: 587.—**Membership** roster; Indiana State Medical Association; 1939. *Ibid.*, 1939, 32: 706; 1940, 33: 693.—**Padgett, E. E.** The Indiana State Medical Association as a factor in medical education. *Ibid.*, 1934, 27: 505-7.—**Schortemeier, F. E.** The beginning of the central office of the Indiana State Medical Association. *Ibid.*, 1942, 35: 42.—**Weinstein, J. H.** A chronology of the Indiana State Medical Association since October 15, 1907. *Ibid.*, 1932, 25: 519-29.

INDIANA State Sanatorium.

See Rockville, Ind. Indiana State Sanatorium.

INDIANA University. Medical Center. Quarterly bulletin. Indianap., v.3, No. 1, 1941-

INDIANA University. School of Dentistry. Register and announcements. Bloomington, 1942-

INDIANA University. School of Medicine. Register and announcements. Bloomington, 1923/24—

INDIAN corn.

See *Zea mays*.

INDIAN hemp.

See *Cannabis*.

INDIAN homeopathic review. Calc., v.28-42, 1919-33.

INDIAN journal of medical research. Calc., v.6, 1915—

For supplement see *Indian medical research memoirs*.

INDIAN journal of medicine. Calc., v.1-4, 1920-23.

INDIAN journal of pediatrics. Bombay, v.6, No. 21, 1939—

INDIAN journal of venereal diseases. Bombay, v.5, 1939—

INDIAN medical gazette. Calc., v.54, 1919—
See also Seventy-fifth anniversary of the Indian Medical Gazette. Brit. M. J., 1941, 1: 679.—Three quarters of a century of uninterrupted publication. Ind. M. Gaz., 1940, 75: 749-54, map.

INDIAN medical record. Calc., v.39, 1919—

INDIAN medical research memoirs. Calc., No. 1, 1924—

Suppl. to *Indian journal of medical research*.

INDIAN medical year; being a review of the progress of medicine, surgery and public health in India during 1927. Edited by Lt. Col. R. Knowles. 48p. 4°. Calc., Thacker's Press & Directories, 1928.

INDIAN (The) veterinary journal. Madras, v.16, 1940—

INDIA weather review.

See under *India*. Meteorological Office.

INDICAN.

For indican of plants [$C_{26}H_{31}NO_{17}$] see under **Indigotin**; for the indol derivative [$C_8H_7NSO_2-OH$] see under **Indoxyl**.

INDICATIVE oral diagnosis, dealing with transvisualization as a new aid to dental diagnosis. 2. ed. 48p. illust. 8°. Chic., Burton manuf. co., 1934.

INDICATOR.

See also such headings as **Acid-base equilibrium**, Determination, colorimetric; **Colorimetry**; **Dye**; also names of chemicals and substances to be analyzed as **Carbohydrates**; **Gastric juice**, etc.

KOLTHOFF, I. M. Indicators; their use in quantitative analysis and in the colorimetric determination of hydrogen-ion concentration of hydrogen. 269p. 8°. N. Y., 1926.

Amis, E. S., & Cook, S. E. Dielectric and solvent effects upon the alkaline fading of bromphenol blue. J. Am. Chem. Soc., 1941, 63: 2621-5.—**Berry, A. J.** Further experiments with phenosafranine, tartrazine and rose bengal as adsorption indicators. Analyst. Lond., 1936, 61: 315-9.—**Hammett, L. P., & Deyrup, A. J.** A series of simple basic indicators; the acidity functions of mixtures of sulfuric and perchloric acids with water. J. Am. Chem. Soc., 1932, 54: 2721-39.—**Kertész, Z. I.** Glucoreductone for the standardization of α -6-dichlorophenolindophenol solutions used for the estimation of ascorbic acid (vitamin C) J. Biol. Chem., 1934, 104: 483-5.—**Kolthoff, I. M., & Stenger, V. A.** Indicators. In their Volum. Analysis, 2. ed., N. Y., 1942, 1: 87-141. — Titration error. Ibid., 143-59.—**Naegeli, K.** Ueber ein neues Indikatorprinzip in der Azidimetrie und Alkalimetrie; Trübungsindikatoren. Kolloid. Beihefte, 1925-26, 21: 305-411.—**Petržela, O.** [Indicators] Zver. obzor, 1939, 32: Zver. rozpr., 256-76.—**Schwarzenbach, G.** Farbenindikatoren. Mitt. Lebensmitteluntersuch., Bern, 1939, 30: 148-64.—**Thiel, A., & Diehl, R.** Die optische Analyse von Indikatoren-Gemischen. Sitzber. Ges. Naturwiss. Marburg, 1930, 64: 79-109.—**Thiel, A., & Greig, D.** Beiträge zur systematischen Indikatorenkunde; Studien über

den Alkoholfehler der Indikatoren. Zschr. phys. Chem., Abt. A, 1935, 172: 245-76.—**Van Heyningen, W. E.** Stable isotopes as indicators in biology. Biol. Rev. Cambridge Philos. Soc., 1939, 14: 420-50.

INDICE terapeutico, 1936 [with Appendice] 1073p.; 95p. 18°. Trieste [L. Smolars & Nipote] 1936.

INDIELLA.

See also *Foot*, Mycosis; *Fungi imperfecti*; *Mycetoma*; *Toruleae*. For *Indiella americana* see *Monosporium*.

Barco, P. Granuloma del polso a sede sottocutanea da micete del genere *Halobysus* Zukal. Arch. ital. chir., 1931, 29:—**Gammel, J. A.** The etiology of maduromycosis, with a mycologic report on 2 new species observed in the United States. Arch. Derm. Syph., Chic., 1927, 15: 241-84.

INDIFFERENCE.

Dobrenky, A. Ensayo sobre la indiferencia. Sem. méd., B. Air., 1927, 34: pt 1, 122-4.—**Hesnard, A.** Un nouveau mal des tranchées; l'apathie affective. J. psychol. norm. path., Par., 1915-17, 12: 369-81.—**Mackenzie, M.** The treatment of apathy. In his Human Mind, Phila., 1941, 195.—**Portillo.** Síndrome apático de Allers. Arch. med., Madr., 1936, 39: 29.

INDIGENT.

See such headings as **Charity**; **Group**, Welfare; **Group medicine**, Budgeting; **Philanthropic** and relief plans; **Group medicine**, Hospital service. gratis; **Poverty**, etc.

INDIGESTION.

See *Dyspepsia*.

INDIGO.

See *Indigotin*.

INDIGO carmine.

Garash, V. A. K voprosu o miestie vidieleniya indigokarmina pochechnoi parenkhimoi. Sezd. rossysk. khir. (1907) 1908, 7. Kongr., 11.—**Miyabayasi, K.** Histologische Untersuchung über die Ausscheidung von Indigocarmin aus der Niere. Jap. J. Derm. Urol., 1932, 32: 4.—**Schreiber, L.** Ueber vitale Indigokarminfärbung der Hornhaut nebst Bemerkungen über das Verhalten des Indigokarmins im Blute und im Auge. Arch. Ophth., Lpz., 1904, 58: 345-67, pl.—**Stern, L.** Untersuchungen über die Diffusionsgeschwindigkeit von Kreatinin, Indigokarmin und Cyanol. Ausz. Inaugur. Diss. Med. Fak. Univ. Bern (1931-33) 1934, No. 85, 1-4.

Diagnostic use.

See also **Chromocystoscopy**; **Chromourinoscopy**; **Kidney**, Function: Tests, etc.

HOXTER, S. *Erfahrungen über die intravenöse Indigokarminprobe zur Funktionsprüfung der Nieren [Frankfurt] 20p. 8°. Marb., 1926.

Chwalla, R. Nierenfunktion und Nierenoperationen bei beiderseits geschädigten Nieren, nebst Bemerkungen über die Indigocarminprobe. Zschr. urol. Chir., 1932, 34: 85-120.

Wert und Bedeutung der Indigokarminprobe bei Nephritis, Nephrose und Amyloidniere. Zschr. Urol., 1935, 29: 673-88.—**Dierks, K.** Erfahrungen mit Cystochrom für die intravenöse Indigokarminprobe in der funktionellen Nieren-diagnostik. Zbl. Gyn., 1933, 57: 352-4.—**Fuss, E. M.** Cystochrom zur intravenösen Indigokarminprobe für die urologische Diagnostik. Zbl. Chir., 1932, 59: 141.—**Georges-Lieys.** De l'épreuve du carmin d'indigo pour déterminer la valeur du fonctionnement rénal. Clinique, Par., 1908, 3: 426.—**Giangiobbe, A. P.** La prueba de la permeabilidad renal por la fenol-sulfo-ftaleína endovenosa durante el último mes del embarazo y en el puerperio normal, controlada con la eliminación del indigo carmina. Rev. med. lat. amer., B. Air., 1932, 17: 1283.

Hellström, J. Ueber den praktischen Wert der intravenösen Indigokarminprobe. Acta chir. scand., 1931, 68: 225-53.—**Jeanbrau, E.** Ce que l'urologiste peut obtenir de l'épreuve de l'indigo-carmin. P. verb. Congr. fr. urol., 1938, 38. Congr., 369-83.—**Kapsammer, G.** Ueber den Wert der Indigokarminprobe für die funktionelle Nierendiagnostik. Wien. klin. Rdsch., 1904, 18: 92-6.—**Koike, M.** Zur Technik die Indigokarminprobe mit besonderer Berücksichtigung der Ausscheidung des Indigokarmins aus gesunden Nieren. Tohoku J. Exp. M., 1926, 7: 278-92.—**McCarthy, J. F., Killian, J. A., & Stepita, C. T.** An evaluation of indigocarmine as a renal functional, colorimetric test, with new methods for its quantitative estimation. Tr. Am. Ass. Genitourin. Surgeons, 1929, 22:

389-412.—Petrov, N. N., & Pereshivkin, N. S. K voprosu o raspoznavatelnom znachenii indigo-karminuovoi probi. Sezd. rossysk. khir. (1907) 1908, 7. Kongr., 10.—Portwich, O. Zur Anwendung des Indigokarmins und des Perkains in der Urologie. Zbl. Chir., 1931, 58: 590.—Richards, A. N., & Walker, A. M. Quantitative studies of the glomerular elimination of phenol red and indigo carmine in frogs. J. Biol. Chem., 1930, 87: 479-98.—Roth, M. Zur Bewertung der Indigokarminmethode für funktionelle Nierendiagnostik. Verh. Deut. Ges. Urol., 1909, 2. Kongr., 305-14.—Rothschild, A. Zur funktionellen Nierendiagnostik; Unstimmigkeiten zwischen dem Ausfall der Indigocarmineprobe und dem Pyclogramm. Arch. klin. Chir., 1930, 161: 558-62. — Unstimmigkeiten der funktionellen Indigokarminprobe bei der Nierendiagnostik. Verh. Deut. Ges. Urol. (1929) 1930, 9. Kongr., 199.—Stenzel, K. G. Soll Indigokarmin intravenös oder intramuskulär injiziert werden? Zbl. Chir., 1932, 59: 212-4.—Suter, F. Ueber den Harnscheider von Luys und die Ausscheidung von Indigokarmin durch die Nieren; ein Beitrag zur funktionellen Nierendiagnostik. Korbh. schweiz. Aerzte, 1904, 34: 585-94. — (Ueber die Bedeutung des Indigokarmins für die funktionelle Nierendiagnostik) Ibid., 1906, 36: 160-2. — Wert des Indigokarmins zur funktionellen Nierendiagnostik. Verh. Deut. Ges. Urol. (1907) 1908, 1. Kongr., 101-8. Also Zschr. Urol., 1908, 2: 433-40.—Vitale, A. La funzionalità renale studiata con l'eliminazione dell'indaco-carminio. Policlinico, 1931, 38: sez. chir., 371-8.

— Untoward effects.

Gottlieb, J. Schwere Komplikation nach intravenöser Injektion von Indigokarmin. Zbl. Chir., 1930, 57: 2797-800. Also Vrach. gaz., 1930, 34: 940-2.—Irger, U. M. [Complications after intravenous injections of indigocarmine] Sovet. vrach. gaz., 1934, 38: 123.—Loughnane, F. McG. A case of general discoloration following an intravenous injection of indigo-carmin. Brit. J. Urol., 1929, 1: 410.—Ratner, U. A. [Complications in intravenous injections of indigo carmine] Urologia, Moskva, 1932, 10: 74.

INDIGOTIN.

LINDEMANN, M. A. *Untersuchungen in der Indigo-Gruppe; zur Kenntnis der Bildung von Aldehyden aus Säurehydraziden [München] 51p. 8°. [Straubing] 1926.

MASSON, M. F. *Des matières colorantes du groupe indigo considérées au point de vue physiologique [Berne] 14p. 8°. Par., 1874.

Chilikin, M. [Leuco-derivatives of indigo dyes and their etherification] J. Russ. fiz. khim. obsch., khim. ch., 1915, 47: 539-52.—Formánek, J. [Influence of substitution of halogens for indigo and thio-indigo on their color and position in absorptive spectrum] Cas. lék. česk., 1927, 66: 1784-9.—Kizhner, N. [Reduction of indigo with triethylphosphine] J. Russ. fiz. khim. obsch., khim. ch., 1915, 47: 2129-32.—Nevyas, J. The electrochemical reduction of indigo. Abstr. Theses Univ. Pittsburgh, 1926, 2: 5-17.—[Synthesis of indigo] Ny pharm. tid., Kbh., 1881, 13: 53-8.

— Disulfonic acid [and derivatives]

See Indigo carmine.

INDIRUBIN.

Lifshitz, L. [Presence of free indirubin in fresh urine] Vrach. dielo, 1927, 10: 991-4.—Sahlgren, E., & Wolff, E. [Case of spontaneous indirubinuria] Hygiea, Stockh., 1927, 89: 645-9.

INDISCHE krijgskundige vereeniging.

Publisher of Indisch militair tijdschrift.

INDISCH militair tijdschrift; maandelijksche uitgave van de Indische krijgskundige vereeniging. Bandoeng, v. 71, No. 12, 1940—

INDIUM.

LUDWICK, M. T. A bibliography of indium, 1934-40. 22p. 25cm. Utica [1940]

Gilman, H., & Jones, R. G. Triphenylindium. J. Am. Chem. Soc., 1940, 62: 2353-7.—Moeller, T. Contributions to the chemistry of indium; the hydrolysis of indium trichloride solutions. J. Am. Chem. Soc., 1941, 63: 1206. — Contributions to the chemistry of indium; the effects of certain polyhydroxy non-electrolytes upon the precipitation of hydrous indium hydroxide. J. Phys. Chem., 1941, 45: 1235-41. — Contributions to the chemistry of indium; an electrometric study of the precipitation of hydrous indium hydroxide. J. Am. Chem. Soc., 1941, 63: 2625-8. — Contributions to the chemistry of indium; the effects of certain hydroxy anions upon the precipitation of hydrous indium hydroxide. J. Phys. Chem., 1942, 46: 794-800. — Basic indium salicylates. J. Am. Chem. Soc., 1942, 63: 2234.—Parks, W. G., & Moran, W. G. The solubility of indium in mercury from 0° to 50° C.

J. Phys. Chem., 1937, 41: 343-9.—Prokopenko, N. M. Principal stages in the history of indium in the earth's crust. C. rend. Acad. sc. URSS, 1941, 31: 903-6. — Distribution of indium in Transbaikalia. Ibid., 907.

— Pharmacology.

HENKEL, G. *Beiträge zur Pharmakologie des Indiums. 20. 8°. Würzb., 1932.

Levaditi, C., Bardet, J. [et al.] Propriétés thérapeutiques de l'indium dans les trypanosomiasis et la syphilis expérimentale. C. rend. Acad. sc., 1932, 194: 325-7.—Oettingen, W. F. von. Notes on toxicity and pharmacology of indium. Proc. Soc. Exp. Biol., N. Y., 1932, 29: 1188-93.—Schmidt, H. C. Indium. Pacific Coast J. Homeop., 1935, 46: 201-3.—Steidle, H. Beiträge zur Pharmakologie des Indiums. Arch. exp. Path., Berl., 1933, 173: 458-65.

INDIUM Corporation of America.

Publisher of Ludwick, M. T. A bibliography of indium, 1934-40. 22p. 25cm. Utica, 1940.

See also Indium Corporation of America. In Chem. Engin. Cat., 1941-42, 26. ed., 1117.

INDIVIDUALISM.

See also Behavior, Disorders; Egotism; Group, Relation of individual to; Personality, Disorders.

Blatz, W. E. The individual and the group. Am. J. Sociol., 1938-39, 44: 829-38.—Boeninger, H. R. Antisocial elements in the German individualistic novel. Abstr. Diss. Stanford Univ. (1941-42) 1942, 17: 55-8.—Brown, L. G. Traditional examples of individualism. In his Social Path., N. Y., 1942, 402-6. — Results of individualism in social pathology. Ibid., 406-9.—Brown, P. A. An analysis of sex differences in self reliance among university students. Psychol. Rec., 1940-41, 4: 391-6.—Cathelin, F. L'effort individuel. Progr. méd., Par., 1935, 537-44.—Jennings, H. S. The transition from the individual to the social level. Biol. Sympos., Lanc., 1942, 8: 105-19.—Kronfeld, A. Zur Phänomenologie und theoretischen Psychologie der individuellen Kultur. Mschr. Psychiat., 1923, 54: 245-66.—McCutchen, D. T. The materialistic basis of individualism. J. Psychol., 1942, 13: 375-9.—Melcior Farré, V. La cabeza individual y la cabeza colectiva. Sem. méd., B. Air., 1913, 20: pt 2, 1045-8.—Park, R. E. Die Stellung von Gruppe und Einzelmensch in der Gesellschaft. Zschr. Völkerpsychol., 1926, 2: 209-23.—Stok, W. Nähe und Ferne in den sozialen Beziehungen (Assoziation und Dissoziation) Zschr. angew. Psychol., 1927, 28: 235-66.—Westaway, F. W. Socialism v. individualism. In his Science in the Dock, Lond., 1942, 93-5.

INDIVIDUALITY.

See also Characterology; Constitution; Ego; Environment; Group, Relation of individual to; Personality; Species.

ALEXANDER, F. M. Constructive conscious control of the individual. 317p. 8°. N. Y. [1923]

BOWLEY, A. L. The average and the individual. 20p. 21½cm. Lond., 1939.

KARDINER, A. The individual and his society. 503p. 23½cm. N. Y., 1939.

MÜLLER, A. Individualität und Fortpflanzung als Polaritätserscheinung. 66p. 23½cm. Jena, 1938.

Blakeslee, A. F. Individuality and science. J. Am. M. Ass., 1942, 118: 327-9. Also Nature, Lond., 1942, 149: 288-92. Also Science, 1942, 95: 1-10.—Carr, H. A., & Kingsbury, F. A. The concept of the individual. Psychol. Rev., 1939, 46: 359-82.—Conklin, E. G. The basis of individuality in organisms from the standpoint of cytology and embryology. Science, 1916, n. ser. 43: 523-7.—Fischer. Ueber Varietätenforschung. Verh. Ges. phys. Anthropol., 1929, 3: 16-22.—Fromm, E. The emergence of the individual and the ambiguity of freedom. In his Escape from Freedom, N. Y., 1941, 24-39.—Grosser. Anatomische Grundlagen der Individualität. Med. Klin., Berl., 1940, 36: 312 (microfilm)—Healy, W. Factors in the individual. Bull. N. York Acad. M., 1928, 2, ser., 4: 860-71.—J. A. C. Metaphysical medicine and the individual. Bull. M. Soc. Co. Kings, 1942, 21: 11.—Kuoñ Cabello, D. G. Factores endógenos de la individualidad. Crón. méd., Lima, 1938, 55: 134-41.—Lattes, L. Le fonti biochimiche dell'individualità umana. Boll. Soc. ital. biol. sper., 1929, 4: 1067-79.—Loeb, L. The biological basis of individuality. Science, 1937, 86: 1-5. Also Diplomate, 1938, 10: 77-83.—Pierson, D. O que torna humano o indivíduo? Rev. Arq. mun., S. Paulo, 1941-42, 7: No. 83, 39-57.—Prell, H. Zur Frage des Individualitätsbegriffes. Jena. Zschr. Naturwiss., 1932, 67: 281-91.—Rensch, B. Ueber den Unterschied zwischen geographischer und individueller Variabilität und die Abgrenzung von der ökologischen Variabilität. Arch. Naturgesch., 1932, n. F., 1: 95-113, pl.—Sanborn, H. Are there any individuals?

J. Psychol., Provincet., 1939, 8: 225-35.—Stern, E. Beiträge zu Psychologie und Psychopathologie des Selbstwörterlebens. Zschr. Pathopsychol., 1919, 3: 500-53.—Straus, E. Das Problem der Individualität. In Biol. Person (Brugsch & Lewy) Berl., 1926, 1: 25-134.

Differences.

See also such terms as **Anatomy**; **Anthropometry**; **Character-trait**; **Constitution**; **Heredity**; **Temperament**; **Variation**; also names of diseases, physiological functions and mental faculties.

ANASTASI, A. Differential psychology. 615p. 8° N. Y., 1937.

CARTON, P. Les clefs du diagnostics de l'individualité. 90p. 8° Par., 1934.

FRISCHER-KÖHLER, I. Das persönliche Tempo; eine erbbiologische Untersuchung. 63p. 8° Lpz., 1933.

GILLILAND, A. R., & CLARK, E. L. Psychology of individual differences. 535p. 21cm. N. Y., 1939.

HOLZINGER, K. J., & SWINEFORD, F. Preliminary report on Spearman-Holzinger unitary trait study. No. 8: The estimation of a factor for an individual. 21p. 4° Chic., 1936.

PETERS, C. C. Human conduct; a textbook in general philosophy and applied psychology. 430p. 8° N. Y., 1920.

Bracken, H. von. Untersuchungen an Zwillingen über die Entwicklung der Selbständigkeit im Kindesalter. Arch. ges. Psychol., 1939, 105: 217-42.—Braun, F. Untersuchungen über das persönliche Tempo. Ibid., 1927, 60: 317-60.—Blei, E. A. [Reactive state (personality type) in young children in relation to individuality]. Pediatría, Moskva, 1940, No. 5, 51-6.—Capone, G. Valutazione dello psichismo individuale uniformata al metodo di G. Viola. Endocr. pat. cost., Bologna, 1936-37, 12: 481-99.—Carr, H. A., & Kingsbury, G. A. The concept of traits. Psychol. Rev., 1938, 45: 497-524.—Chapple, E. D. Personality differences as described by invariant properties of individuals in interaction. Proc. Nat. Acad. Sc. U. S., 1940, 26: 10-6.—Corber, C. Caratteristiche individuali e lavoro continuato. Arch. ital. psicol., 1926-27, 5: 126-31.—Curtius, O. Das kollektiv Unbewusste C. G. Jung's, seine Beziehung zur Persönlichkeit und Gruppenseele. Zbl. Psychother., 1935, 8: 265-79.—Decroly, O., & Degand, J. Faits de psychologie individuelle et de psychologie expérimentale. Internat. Arch. Schulhyg., 1908, 5: 313-29.—Ferretti, G. Psicologia differenziale e didattica. Riv. psicol. appl., 1913, 9: 209-40.—Goldstein, H. The biochemical variability of the individual in relation to personality and intelligence. J. Exp. Psychol., 1935, 18: 348-71.—Hallowell, A. I. The Rorschach test as a tool for investigating cultural variables and individual differences in the study of personality in primitive societies. Rorschach Res. Exch., 1941, 5: 31-4.—Hofstätter, P. R. Der Einfluss der Entwicklung auf die individuellen Differenzen. Zschr. Psychol. Physiol. Sinnesorg., 1. Abt., 1937, 141: 45-65.—Hull, C. L. Variability in amount of different traits possessed by the individual. J. Educ. Psychol., 1927, 18: 97-106.—Hungerland, H. Beispiele zur Bedeutung der individuellen Variabilität. Klin. Wschr., 1940, 19: 401 (microfilm)—Hunt, H. R. Origin of individual differences. J. Hered., 1935, 26: 245-7.—Jones, F. W. Disease and individuality. In his Life & Living, Lond., 1939, 63-83.—Jung, C. G. A study in the process of individuation. In his Integr. Personality, N. Y., 1939, 30-51, 5 pl. ———. Dream symbols of the process of individuation. Ibid., 96-204.—Luckey, B. M. Individual differences in relation to personality development. Nat. Elem. Principal, 1936, 15: 265-71.—McQuitty, L. L. An approach to the measurement of individual differences in personality. Character & Personality, 1938-39, 7: 81-95.—Marquit, S. A technique for inquiry into individual personality. Psychol. Bull., 1941, 38: 598.—Mauer, K. M. Patterns of behavior of young children as revealed by a factor analysis of trait clusters. J. Genet. Psychol., 1941, 59: 177-88.—Müller-Freienfels, R. Individualität und Typus. Jahrb. Charakter., 1928, 5: 1-20.—Mutié. Expérience sur l'hérédité d'un caractère. Bull. Soc. pédiat. Paris, 1936, 34: 449-52.—Patten, S. N. The genesis of personal traits. Pop. Sc. Month., 1913, 83: 149-57.—Ricardo, A. Seleção profissional; anthropopsychologia; diferenças individuais; causas determinantes das variações individuais; morfologia individual; os estudos de Sigaud, Benecke e De Giovanni; combinações morfológicas de De Giovanni; estudos de Viola; valor anatomico e fisiologico das mensurações. Arch. hyg., S. Paulo, 1938, 3: No. 4, 9.—Rich, G. J. Some relationships between personality and body chemistry. J. Neur. Psychopath., Brist., 1933, 14: 132-8.—Roelofs, E. T. Phenotypical and genotypical ever-sporting varieties. Genetica, Gravenh., 1937, 19: 465-536.—Sarfatti, G. La psicologia sociale come contributo alla psicologia individuale. Riv. psicol. appl., 1912, 8: 294-303.—Sargent, S. S. How shall we study individual differences?

Psychol. Rev., 1942, 49: 170-81.—Seashore, R. H. Work methods: an often neglected factor underlying individual differences. Ibid., 1939, 46: 123-41.—Shen, E. The place of individual differences in experimentation. In Stud. in Person. (Terman Anniv. Vol.) N. Y., 1942, 259-69.—Shuttleworth, F. K. Illustrating extremes of individual differences in body build, proportions, sexual maturation, and posture at age 15. Monogr. Soc. Res. Child Develop., 1938, 3: No. 3, fig. 90.—Skaggs, E. B. The effects of training upon individual differences. J. Genet. Psychol., 1936, 49: 261-7.—Thorndike, E. L. Individual differences. Psychol. Bull., 1918, 15: 148-59.—Thorpe, L. P. The nature and development of personality traits. In his Psychol. Found. Person., N. Y., 1938, 280-330.—Wells, F. L. The relation of practice to individual differences. Am. J. Psychol., 1912, 23: 75-88, 3 pl.—Wile, I. S. Shaping the personality of the individual. Med. J. & Rec., N. Y., 1931, 133: 539; 576.—Wyghgram, E. Der Lebenslauf als psychologisches Dokument. Med. Welt, 1933, 7: 1226-9.—Young, K. Attitudes, traits, and frames of reference as aspects of internal organization. In his Person. & Probl. Adjust., N. Y., 1941, 102-13. ———. Individual differences and social-cultural definitions. Ibid., 296-300.—Zarapkin, S. R. The measurement of divergency. Proc. Internat. Genet. Congr. (1939) 1941, 7. Congr., 331.

in animals.

Hubbs, C. L. Racial and individual variation in animals, especially fishes. Am. Natur., 1934, 68: 115-28.—Little, C. C. Individuality and the hereditary process in mammals. Ibid., 173.—Lush, J. L. Methode of measuring the heritability of individual differences among farm animals. In Animal Breed. Internat. Genet. Congr., 1939, 7. Congr., 34-6. Also Proc. Internat. Genet. Congr. (1939) 1941, 7. Congr., 199.

INDIVIDUAL psychology.

See also **Behavior**, **Clinics**; **Child**, **Psychology**; **Complex**; **Psychology**.

Adler, A. Die Individualpsychologie; ihre Voraussetzungen und Ergebnisse. Scientia, Bologna, 1914, 16: 74-87. ———. Die Individualpsychologie; ihre Bedeutung für die Behandlung der Nervosität, für die Erziehung und für die Weltanschauung. Ibid., 1926, 39: 2. ser., 409-18. ———. Individual psychology. J. Abnorm. Psychol., 1927, 22: 116-22. ———. Individual psychology; a new way to the understanding of human nature. Psyche, Lond., 1927, 28: 46-63. ———. Wolfe, W. B. [et al.] Individual psychology and social problems. Individ. Psychol. M. Pamphl., Lond., 1932, No. 5, 1-64.—Birbaum, F. Individual psychology. Wissenschaft und Leben. Internat. Zschr. Individpsychol., Wien, 1937, 15: 66-72.—Crookshank, F. G. Individualpsychologie. Ibid., 1930, 8: 335-53.—Dragotti, G. La psicologia individuale. Policlino, 1933, 40: sez. prat., 263-5.—Fahrenbruch. Ueber die Individualpsychologie Adlers. Psychiat. neur. Wschr., 1931, 33: 617-24.—Jacobs, M. The comparative individual psychology of Dr Alfred Adler. Pedagog. Semin., Worcester, 1923, 30: 16-23.—Máda, J. [Adler's individual psychology] Magy. orv. nagyhet. jegyzőkönyv, 1931, 53.—Meignan, P. L'individualpsychologie adlerienne. Bull. méd., Par., 1932, 46: 693.—Plaut, P. Das soziologische Element in der Individualpsychologie. Zschr. Völkerpsychol., 1927, 3: 32-42.—Ronge, P. H. [The individual psychology of Alfred Adler] Ned. tscr. geneesk., 1930, 74: 2506-19.—Seif, L. Individual psychology and life philosophy. Individ. Psychol. M. Pamphl., Lond., 1934, 11: 7-59.—Squires, H. C. A novice's impressions of the theory and practice of individual psychology. Ibid., 1932, 6: 34-47.—Sullivan, H. S. Explanatory conceptions. Psychiatry, Balt., 1940, 3: 43-86.—Vaughan, W. V. The psychology of Alfred Adler. J. Abnorm. Psychol., 1926-27, 21: 358-71.—Wesely, E. Quelques données sur la psychologie de l'individu. Rapp. Congr. internat. psychol. 909) 1910, 6. Congr., 797-806.

History.

Adler, A. Fondamenti e progressi della psicologia individuale. Arch. gen. neur., Nap., 1925, 6: 227-38.—Crookshank, F. G. The history and basis of individual psychology. Individ. Psychol. M. Pamphl., Lond., 1935, No. 15, 60-72.—Decurtins, F. Hinrichsens Beziehungen zur Individualpsychologie. Allg. Zschr. Psychiat., 1931, 95: 421-9.—Eggert, G. Nietzsche und die Individualpsychologie. Zbl. Psychother., 1939, 11: 195-205.—Freschl, R. Friedrich Nietzsche und die Individualpsychologie. Internat. Zschr. Individpsychol., 1936, 14: 50-61.—Robb, D. Individual psychology and the work of F. G. Crookshank. N. Zealand M. J., 1934, 33: 221-7.

Manuals and periodicals.

ADLER, A. The neurotic constitution; outlines of a comparative individualistic psychology and psychotherapy; authorized Engl. transl. by B. Glueck and J. E. Lind. 456p. 8° N. Y., 1917.

———. The same. The practice and theory of individual psychology; transl. of 1. ed. by P. Radin. 352p. 8° Lond., 1924.

— Praxis und Theorie der Individual-Psychologie; Vorträge zur Einführung in die Psychotherapie für Aerzte, Psychologen und Lehrer. 2. Aufl. 527p. 8° Münch., 1924.

— Understanding human nature; transl. by Walter Béran Wolfe. 286p. 8° N. Y., 1927.

— Die Technik der Individual-Psychologie. 2v. 146p.; 188p. 8° Münch., 1928.

— Problems of neurosis, a book of case-histories; with a prefatory essay by F. G. Crookshank. 178p. 8° Lond., 1929. Also American ed. 244p. 8° N. Y., 1930.

— Guiding the child on the principles of individual psychology. 268p. 8° N. Y. [1930]

— Social interest: a challenge to mankind. 313p. 8° Lond. [1938]

BEVAN-BROWN, C. M., WARD, G. E. S., & CROOKSHANK, F. G. Individual psychology: theory and practice. 79p. 8° Lond., 1936.

BIRCH, R. S. Psychology and the individual. 150p. 8° Lond. [1931]

BRIDGES, J. W. Personality, many in one; an essay in individual psychology. 215p. 8° Bost. [1932]

DREIKURS, R. An introduction to individual psychology. 152p. 8° Lond., 1935.

INTERNATIONALE ZEITSCHRIFT FÜR INDIVIDUALPSYCHOLOGIE. Bd 6-15. LPZ. & WIEN, 1928-37.

MOSS, F. A. Applications of psychology. 477p. 8° Bost., 1929.

WEXBERG, E. Individualpsychologie; eine systematische Darstellung. 330p. 8° Lpz., 1928.

— Medical aspect.

See also such terms as **Complex**; **Conflict**; **Dream**; **Inferiority complex**; **Psychoneurosis**, etc.

BROWN, W. L. Individual psychology and psychosomatic disorders. 71p. 8° Lond. [1932]

CROOKSHANK, F. G. Individual psychology, medicine, and the bases of science. 70p. 8° Lond., 1932.

PARTRIDGE, E. J., CRICHTON-MILLER, H. [et al.] The management of early infancy, puberty and adolescence, the psychological approach, the neurotic character. 63p. 8° Lond., 1937.

WEXBERG, E. Individual psychological treatment. 160p. 12° Lond [1929]

— Individual psychology and sex. 223p. 8° Lond., 1931.

ADLER, A. Neurotisches Rollenspiel. Internat. Zschr. Indivpsychol., Wien, 1928, 6: 427-32. — Psychologie und Medizin. Wien. med. Wschr., 1928, 78: 697-700.

Die Individualpsychologie in der Neurosenlehre. Deut. med. Wschr., 1929, 55: 213-5. Also Internat. Zschr. Indivpsychol., Wien, 1929, 7: 81-8. — Bérillon. La psychothérapie individuelle et la psychothérapie sociale. Rev. psychothér., Par., 1913-14, 28: 193-6. — Cargnello, D. Schema sintetico della organizzazione psicologica del nevrosico secondo le concezioni di Alfredo Adler e seguaci, individualpsychologie; con un esempio paradigmatico di interpretazione onirica. Rass. stud. psichiat., 1940, 29: 291-6, tab. — Carp, E. A. D. E. [Directives in the application of the individual-psychological method] J. belge neur. psychiat., 1939, 39: 404-6. — [Results of the method of individual-psychological treatment] Ned. tsschr. geneesk., 1939, 83: 5600. — Crookshank, F. G. Individual psychology and the sexual problems of adolescence and adult life. Psyche, Lond., 1929-30, 10: 3. — Individualpsychologie und allgemeine Medizin. Internat. Zschr. Indivpsychol., Wien, 1932, 10: 35-52. — Individual psychology and ill-health. Indiv. Psychol. M. Pamphl., Lond., 1933, No. 9, 46-55. — Individual psychology and sex. Ibid., 1934, No. 13, 37-55. — Hilferding-Hönigsberg, M. Individualpsychologische Gedankengänge eines Kinderarztes. Internat. Zschr. Indivpsychol., Wien, 1935, 13: 206-13. — Holub, A. Die Rezeption der Individualpsychologie durch die medizinische Wissenschaft. Ibid., 1928, 6: 320-4. — Individualpsychologische Gedankengänge in der somatischen Medizin. Ibid., 1932, 10: 89-94. — Horvát, A. Schwierigkeiten bei der individualpsychologischen Behandlung. Ibid., 1934, 12: 84-

92. — Hutton, L., Weber, H., & Wolfe, W. B. Individual psychology and the child. Indiv. Psychol. M. Pamphl., Lond., 1933, No. 8, 1-64. — Jung, E. Die Bedeutung der Individualpsychologie (Alfred Adler) für die psychotherapeutische Praxis. Schweiz. Arch. Neur. Psychiat., 1936, 38: 338-45. — Kiemperer, H. Individualpsychologie durch Leistungssteigerung. Wien. med. Wschr., 1927, 77: 672-4. — Kronfeld, A. Naturaleza y valor del tratamiento psicoindividual según Adler. Rev. méd. germ. ibero-amer., 1928, 1: 34-40. — Máday, I. [Individual psychology in medical practice] Budapesti orv. ujs., 1929, 27: 449-57. — Müller, M. Individuelle Psychotherapie. Fortsch. Neur. Psychiat., 1935, 7: 282-94. — Neumann, A. [Individual psychology and treatment of nervous diseases] Warsz. czas. lek., 1935, 12: 480; 505. — Partridge, E. J. The management of early infancy. Indiv. Psychol. M. Pamphl., Lond., 1937, No. 18, 9-27. — Reiss, S. Eine Spiel-Behandlung; Beitrag zur praktischen Anwendung der Individualpsychologie in der Kindertherapie. Internat. Zschr. Indivpsychol., Wien, 1934, 12: 169-78. — Die Anwendung der individualpsychologischen Therapie als Problem. Ibid., 1937, 15: 4-17. — Ross, T. A. The psychological approach. Indiv. Psychol. M. Pamphl., Lond., 1937, No. 18, 33-48. — Schmitz, H. Erfahrungen mit der individualpsychologischen Behandlung nach Adler. Zschr. ges. Neur. Psychiat., 1928, 112: 793-806. — Seif, L. Individual psychology and psychosis. Am. J. Psychiat., 1928, 7: 639-47. — Rayner, D., & Zilahi, F. A. Individual psychology and the child. Indiv. Psychol. M. Pamphl., Lond., 1933, No. 7, 1-64. — Stockmayer, W. Die Entwicklung der minderwertigen Funktion in der Psychotherapie. Aerztl. Rdsch., 1929, 39: 145-7. Also Ber. Allg. ärztl. Kongr. Psychother., 1929, 4. Kongr., 15-21. — Tauber, S. Individualpsychologische Gedankengänge in der medizinischen Klinik. Internat. Zschr. Indivpsychol., Wien, 1933, 11: 8-19.

— Pedagogical aspect.

See also **Character**; **Child**, **Home education**; **Education**.

ADLER, A. Guiding human misfits; a practical application of individual psychology. 88p. 8° N. Y., 1938.

— & FURTMÜLLER, C. Heilen und bilden; ärztlich-pädagogische Arbeiten des Vereins für Individualpsychologie. 398p. 8° Münch., 1914.

ADLER, A. La psicologia individual y su aplicación a la pedagogía. Rev. méd. germ. ibero-amer., 1929, 2: 545-54.

— Individual psychology and education. J. Lancet, 1934, 54: 637-9. — Birnbaum, F. Wertpädagogik und Individualpsychologie. Internat. Zschr. Indivpsychol., Wien, 1935, 13: 161-6. — Burt, C. Correlations between persons. Brit. J. Psychol., 1937-38, 28: 59-96. — Freudenberg, S. Individualpsychologie und neue Erziehung. Internat. Zschr. Indivpsychol., Wien, 1927, 5: 148-50. — Klineberg, O. Social facilitation. In his Social Psychol., N. Y., 1940, 335-9. — Maslow, A. H. A test for dominance-feeling, self-esteem in college women. J. Social Psychol., 1940, 12: 255-70. — Seidler, R., & Zilahi, L. Die individualpsychologischen Erziehungsberatungsstellen. Internat. Zschr. Indivpsychol., Wien, 1929, 7: 161-70. — Spiel, O. Individualpsychologie und Schule. Ibid., 1937, 15: 152-9.

— Theories.

ADLER, A. Kurze Bemerkungen über Vernunft, Intelligenz und Schwachsinn. Internat. Zschr. Indivpsychol., Wien, 1928, 6: 267-72. — Bentley, M. Individual psychology and psychological varieties. Am. J. Psychol., 1939, 52: 300. — Brachfeld, O. M. Ernest Seillière et l'Individualpsychologie adrienne. Internat. Zschr. Indivpsychol., Wien, 1929, 7: 344-50. — Individualpsychologie und positivistische Soziologie. Ibid., 1934, 12: 44-6. — Brandhuber-Etschfeld, F. Die Individualpsychologie Alfred Adlers und der Universalismus Othmar Spanns. Ibid., 1929, 7: 367-9. — Crookshank, F. G. Types of personality, with special reference to individual psychology. Lancet, Lond., 1930, 1: 546-8. — Davies, A. E. The summum bonum; an experimental study. J. Abnorm. Psychol., 1929-30, 24: 41-62. — Dreikurs, R. Die Individualpsychologie und ihre Kritiker. Internat. Zschr. Indivpsychol., Wien, 1933, 11: 103-7. — Ferenczi, S. Freuds Massenpsychologie und Ich-Analyse; der individualpsychologische Fortschritt. Internat. Zschr. Psychoanal., Wien, 1922, 8: 206-18. — Flusser, E. Für und wider die Individualpsychologie. Med. Klin., Berl., 1930, 26: 378-81. — Furtmüller, C. Denkpsychologie und Individualpsychologie. Zschr. Indivpsychol., 1914, 1: 80-91. — Herzberg, A. Dominanzerscheinungen im normalen und abnormen Seelenleben. Deut. med. Wschr., 1931, 57: 877-9. — Jacoby, H. Bemerkungen über biologische Tendenzen. Internat. Zschr. Indivpsychol., Wien, 1933, 11: 345-53. — Katz, D. Zur Grundlegung einer Bedürfnispsychologie. Zschr. Psychol. Physiol. Sinnesorg., 1. Abt., 1933, 129: 292-304. — Künkel, F. Die Lehrbarkeit der tiefenpsychologischen Denkwesen. Zbl. Psychother., 1935, 8: 235-48. — Kunz, H. Zur grundsätzlichen Kritik der Individualpsychologie Adlers. Zschr. ges. Neur. Psychiat., 1928, 196: 700-66. — Medonça, U. de. Essai de psychologie individuelle ou psychologie négative. Rev. anthrop., Par., 1932, 42: 331; 1933, 43:

224.—**Neuer, A.** Ist Individualpsychologie als Wissenschaft möglich? Zschr. Individpsychol., 1914, 1: 3-8.—**Rácz, J.** [Effect of the environment upon the development of self-esteem] Gyógyászat, 1932, 72: 26-8.—**Richter, G.** Individualpsychologie und Staatsauffassung. Internat. Zschr. Individpsychol., Wien, 1928, 6: 396-8.—**Roffenstein, G.** Die Adlersche Individualpsychologie und das Problem der Deutung. Psychol. & Med., Stuttg., 1925-26, 1: 277-300.—**Sternberg, E.** Zur Theorie der Individualpsychologie. Internat. Zschr. Individpsychol., Wien, 1927, 5: 187-93.—**Trüb, H.** Individuation, Schuld und Entscheidung; über die Grenzen der Psychologie. In Kultur. Bedeut. d. kompl. Psychol., Berl., 1935, 529-55.—**Veit, V.** Zur Psychologie des einzigen Bruders. Internat. Zschr. Individpsychol., Wien, 1932, 10: 53-6.—**Wallon, H.** La maladresse. J. psychol. norm. path., Par., 1928, 25: 61-78.—**Wexberg, E.** Individualpsychologie als Religion und als Wissenschaft. Internat. Zschr. Individpsychol., Wien, 1928, 6: 228-35.— Die Einwände gegen die Individualpsychologie. Ibid., 433-42.—**Wolfe, W. B.** The philosophy of individual psychology. Ibid., 1927, 5: 112-25.

INDIVIDUAL psychology medical pamphlets. Lond., No. 1, 1931—

INDO-CHINA. Bureau de la statistique générale. Annuaire statistique de l'Indochine. Hanoi, v.4, 1933—

INDOCHINA.

See also **Indonesia.**

INDOCHINA. BUREAU DE LA STATISTIQUE GÉNÉRALE. Annuaire statistique de l'Indochine. Hanoi, v.4, 1933—

Chesneau, P. Natalité et mortalité infantile au Cammon, Laos, en Sud Annam et en Nord Annam. Congr. internat. popul. (1937) 1938, 1. Congr., 6: 91-100.—**Darbès.** Accroissement apparent et réel de la population de Phnom-Penh de 1931 à 1936. Ibid., 81-90.—**Eickstedt, E. von.** Die anthropologische Stellung von Indochina. Zschr. Morph. Anthropol., 1934, 34: 79-93, 2 pl.—**Forbin, V.** L'éveil de l'Indochine; urbanisme et sanatoria. Nature, Par., 1929, 57: 433-6.—**Frazier, J. G.** Eastern Cochinchina. In his Native Races of Asia, Lond., 1939, 60-6.—**Godart, J.** Quelques observations faites au cours d'une mission aux Indes françaises et en Indochine. Strasbourg méd., 1939, 99: 95-7.—**Gourou, P.** La densité de la population dans le delta du Tonkin. Congr. internat. popul. (1937) 1938, 1. Congr., 6: 68-80.—**Hayman, J. R.** French Indo-China and Siam. J. R. Army M. Corps, 1938, 70: 338-51.—**Lancelin.** Le climat indo-chinois et l'Européen. Presse méd., 1939, 47: 1226.—**Smolski, T.** Les statistiques de la population indochinoise. Congr. internat. popul. (1937) 1938, 1. Congr., 6: 56-67.—**Vallois, H. V.** Les races de l'Empire Français; les races de l'Indochine. Presse méd., 1940, 48: 19-21.—**Verneau, R., & Pannetier.** Contribution à l'étude des Cambodgiens. Anthropologie, Par., 1921, 31: 279-317.—**Vogel, E.** La population Moï du plateau de Kontum. In Grand. endém. trop., Par., 1937, 9: 150-65.

Medical aspect.

COTTIN, P. *La Cochinchine; étude zoéoconomique (notes d'épidémiologie) [Alfort] 82p. 8°. Par., 1927.

LANCO, A. *Contribution à l'étude de la pharmacopée sino-annamite [Pharm.] 79p. 24½cm. Marseille, 1938.

NORODOM, R. *L'évolution de la médecine au Cambodge. 107p. 8°. Par., 1929.

QUYEN, T. *Les substances vénéneuses susceptibles d'être rencontrées en Indochine. [Toulouse; Pharm.] 96p. 24cm. Par., 1936.

TRINH HUU LOI. *Contribution à l'étude de quelques mesures d'hygiène et de prophylaxie applicables aux villages annamites au Tonkin. 75p. 8°. Par., 1935.

Achard, C. Autour du monde: impressions d'Indochine. Presse méd., 1926, 34: 1371; 1403.—**Dang-Huy-Loc.** L'hygiène dans les villages annamites. Rev. palud., Par., 1939, 1: 193.—**Desvallons, C.** Notes médicales sur la province de Lai-chau. Bull. Soc. méd. chir. Indo-Chine, 1913, 4: 312-9.—**Duvigneau.** Les médecins annamites à la cour d'Annam; le Thai-y-Viên ou Service de Santé du palais. Ann. hyg. méd. col., Par., 1906, 9: 314-21.—**Enault.** En Indochine; les devins guérisseurs. Provence méd., 1940, 10: No. 97, 14-6.—**Fischer, W.** Aerztliches aus Indochina. Münch. med. Wschr., 1914, 61: 158-60.—**Fonctionnement** des services des Instituts Pasteur. Arch. Inst. Pasteur Indochine, 1937, 7: 101-23.—**Godart, J.** Quelques observations faites au cours d'une mission aux Indes françaises et en Indochine. Bull. Acad. méd., Par., 1938, 3. ser., 119: 342-7.—**Jeanselme, E.** La médecine et les médecins d'après le Code Annamite. France méd., 1906, 53: 397-402.—

Labernadie. Géographie médicale de l'Inde Française. In Grand. endém. trop., Par., 1936, 8: 5-30.—**Lardeit de La-charrière, J.** La médecine et les infirmeries indigènes dans les Chaouia. Caducée, Par., 1910, 10: 274-6.—**Lawrence.** Géographie médicale de l'Indochine. In Grand. endém. trop., Par., 1936, 8: 95-114.—**Lieurance.** L'assistance mobile en Pays Moï. Congr. internat. popul. (1937) 1938, 1. Congr., 6: 101-11.—**Perrot & Hurrier.** Médecine et pharmacie indo-chinoises. Bull. gén. théor., 1907, 153: 524; 565.—**Whitmore, E. R.** Medical notes from French Indo-China. Bull. Manila M. Soc., 1910, 2: 294-6.

INDO-GERMAN.

PENKA, K. O. Schraders Hypothese von der südrussischen Urheimat der Indogermanen. 41p. 8° Lpz. [1908]

Baschmakoff, A. La division des langues indo-européennes en 2 groupes, celui du Kentum et celui du Satem, aurait-elle une cause d'évolution ethnologique? Rev. anthropol., Par., 1940, 50: 189-202.—**Christian, V.** Das erste Auftreten der Indogermanen in Vorderasien. Mitt. Anthropol. Ges. Wien, 1928, 58: 210-29.—**Heberer, G.** Die mitteldeutschen Schnurkeramik; ein Beitrag zur Indogermanenfrage. Verh. Ges. phys. Anthropol., 1937, 8: 59-68.—**Koppers, W.** Die Indogermanenfrage im Lichte der historischen Völkerkunde. Anthropol. Mödling, 1935, 30: 1-31.—**Pokorny, J.** Substrattheorie und Urheimat der Indogermanen. Mitt. Anthropol. Ges. Wien, 1936, 66: 69-91.

INDOL.

See also **Feces, Chemistry; Indoxyl; Putrefaction; Pyrrol; Skatol.**

BIGOT, A. *L'indol et ses dérivés en biologie. 126p. 25cm. Nancy, 1934.

ECKARDT, W. *Diensynthesen in der Reihe des Indols und des Pyridins. 28p. 8°. Kiel, 1932.

LUCK, W. *Ueber den Verlauf der Diensynthese beim Indol, Diindol und Triindol (ein Beitrag zum Studium der polymeren Indole) 24p. 8°. Kiel, 1932.

SCHNORRENBERG, E. *Ueber die basische und saure Natur des Indolstickstoffs [Bonn] 59p. 23½cm. Köln, 1931.

SPILLMANN, J. *Considérations sur la recherche de l'indol et quelques faits concernant la biologie du colibacille. 149p. 25cm. Nancy, 1934.

Houssay, B. A., Deulofeu, V., & Mazzocco, P. Corps indoxylgénés dans l'organisme. C. rend. Soc. biol., 1935, 119: 877-9. — Cueros indoxilógenos; serie indólica. Rev. Soc. argent. biol., 1935, 11: 18-30.—**Maurer, H., & Moser, E.** Studien in der Indolreihe. Zschr. physiol. Chem., 1926, 161: 131-42.—**Prat, J.** Estudio químico biológico del indol. Progr. clín., Madr., 1917, 10: 133; 269.—**Stöhr, R.** Die Umwandlung der Acetessigsäure durch Methylglyoxal; Versuche mit Ketol an überlebenden Organschnitten. Zschr. physiol. Chem., 1935, 235: 265-71.

Derivatives.

See also **Indan; Indoxyl.**

GELLER, K. H. *Zur Kenntnis der Polymerisation alkylierter Indole [Bonn] 28p. 8° Würzb., 1934.

Boyd, W. J., & Robson, W. The synthesis of indole-3-aldehyde and its homologues. Biochem. J., Lond., 1935, 29: 555-61.—**Euler, H. von, & Hellström, H.** Ueber ein Indolderivat aus zwei chlorophyllmutierenden Gerstensen. Zschr. physiol. Chem., 1933, 217: 23-6.—**Fildes, P.** Inhibition of bacterial growth by indoleacrylic acid and its relation to tryptophan; an illustration of the inhibitory action of substances chemically related to an essential metabolite. Brit. J. Exp. Path., 1941, 22: 293-8.—**Guggenheim, M.** Indolalkylamine. In his Biogen. Amine, Basel, 1940, 526-43.—**Jackson, R. W., & Manske, R. H.** The reaction products of indols with diazoesters. Canad. J. Res., 1935, Sect. A, 13: 170-4.—**Kizhner, N.** [Synthesis of β -methyl- α -hydrindone by action of α -bromo-isobutyl-bromide on benzol in presence of $AlCl_3$] J. Russ. fiz. khim. obsch., khim. ch., 1914, 46: 1411-27.—**Koser, S. A., & Galt, R. H.** The oxalic acid test for indol. J. Bact., Balt., 1926, 11: 293-303.—**Manske, R. H. F.** The synthesis of some indol derivatives. Canad. J. Res., 1931, 4: 591-5.—**Oddo, B.** Sull'indolfaleina. Arch. farm. sper., 1929-30, 48: 437-42.—**Ward, F. W.** The fate of indolepropionic acid in the animal organism. Biochem. J., Lond., 1923, 17: 907-15.—**Wuyts, H., & Lacourt, A.** Une nouvelle synthèse de dérivés sulfurés de l'indol. Bull. Acad. méd. Belgique, 1935, 5. ser., 21: 736-43.

Derivatives, acetyl.

Berthelot, A. Sur la présence d'acide indol-3-acétique dans le sang. C. rend. Soc. biol., 1938, 128: 847-9. — & Dieryck, J. Remarques sur la toxicité de l'acide indol-3-acétique et de quelques autres acides organiques d'action analogue. Ibid., 1939, 130: 1524-7. — Gautheret, R. J. Action de l'acide indol- β -acétique sur le développement de plantules et de fragments de plantules de *Phaseolus vulgaris*. Ibid., 1937, 126: 312-4. — Action de l'acide indol- β -acétique sur les tissus du tubercule de carotte. Ibid., 1939, 130: 7-9. Remarques relatives à l'action de l'acide indol- β -acétique sur les cultures de tissus de carotte. Ibid., 131: 78-80. — Goldberg, E. Root and shoot production induced in cabbage by β -indole-acetic acid. Science, 1938, 87: 511. — Lefèvre, J. Observations sur la teneur de divers organes végétaux en acide indol-3-acétique. C. rend. Soc. biol., 1939, 130: 225-7.

Derivatives, methyl.

For 3-methyl-indol see Skatol.
HEINRICH [H. K.] E. *Ueber Dien-Synthesen des α -Methylindols und des Na-Dimethylindols [Kiel] 27p. 8°. Borna-Lpz., 1932.

Gould, R. G., jr., & Jacobs, W. A. The preparation of certain trimethylindole derivatives. J. Biol. Chem., 1939, 130: 407-14. — Scholtz, M. Ueber einige Derivate des α -Methylindols. Arch. Pharm., Berl., 1915, 253: 629-33. — Wahl, A., & Livovchi, V. Sur les diméthylindoles. C. rend. Acad. sc., 1937, 205: 738-40. Also Bull. Soc. chim. France, 1938, 5. ser., 5: 653-66. — Yanai, B. On the action of methylindols. Tohoku J. Exp. M., 1935, 25: 407-10.

Determination.

HOFFMANN, O. *Vergleichende Untersuchungen über den Indolnachweis. 43p. 8°. Giessen, 1931.

Allsopp, C. B. Photoelectric estimation of indole. Biochem. J., Lond., 1941, 35: 965. — Duff, D. C. B., & Holmes, R. The quantitative estimation of indol by means of dialysis. Canad. Pub. Health J., 1936, 27: 141-3. — García Nuño, F. Nuevas reacciones para las investigaciones del indol en los medios biológicos. Rev. méd. Chile, 1939, 67: 123-30. — Grünwall, M. Der Stoffwechsel bakterienfreier Tiere; eine einfache kolorimetrische Methode zur Bestimmung der Indolderivate im Harn. Skand. Arch. Physiol., Berl., 1938, 78: 139-44. — Happold, F. C., & Hoyle, L. The quantitative determination of indole in bacterial cultures. Biochem. J., Lond., 1934, 28: 1171-3. — Kovács, N. Eine vereinfachte Methode zum Nachweis der Indolbildung durch Bakterien. Zschr. Immunforsch., 1928, 55: 311-5. — Lehr, E. Zur Brauchbarkeit des Indolnachweises nach Kovács. Zbl. Bakt., 1. Abt., 1928, 108: 209-12. — Pierce, H. B., & Kilborn, R. B. An adaptation of Bergeim's fecal indole method for the quantitative determination of indole in bacterial cultures. J. Biol. Chem., 1929, 81: 381-7. — Rytli, E. On the iodometric determination of indol. Acta Soc. med. Duodecim, 1929-30, 12: fasc. 2, No. 6, 1-16. — Tosatti, E. Su alcuni metodi per la ricerca dell'indolo nelle culture batteriche. Biochim. ter. sper., 1935, 22: 286-97. — Zappacosta, M. Una nuova reazione colorata dell'indolo e dello scatolo; metodo per il dosaggio nel sangue. Diagn. teen. lab., Nap., 1935, 6: 870-5.

Formation.

See also Bacteria, Metabolism: Indol production; Colon bacillus, Indol formation.

WERNET, E. [H.] *Ueber die Eignung der Hottinger-Stierhodenbrühe nach Hohn und Herrmann zum Indolnachweis und über die Hemmung des Indolnachweises durch Kohlehydrate [Gießen] 43p. 23cm. Berl., 1938.

Allen, C. F. H., Young, D. M., & Gilbert, M. R. Indole formation of pyrroles. J. Org. Chem., 1937-38, 2: 235-44. — Evans, W. C., Handley, W. C. R., & Happold, F. C. The tryptophanase-tryptophan reaction; possible mechanisms for the inhibition of indole production by glucose in cultures of *B. coli*. Biochem. J., Lond., 1942, 36: 311-8. — Krebs, H. A., Hafez, M. M., & Eggleston, L. V. Indole formation in *Bacterium coli* commune. Ibid., 306-10. — Lison, L. Etudes histochimiques sur la glande à pourpre des murex; composés indoliques. J. physiol. path. gén., 1933, 31: 82-99. — Tosatti, E. L'indolo in batteriologia. Biochim. ter. sper., 1935, 22: 222-42.

Metabolism.

See also Blood chemistry, Indican; Indoxyl, Metabolism.

Barac, G. Sur la destinée de l'indol chez le chien. C. rend. Soc. biol., 1939, 132: 41-3. — Becher, E. Das Verhalten des freien Indols im Organismus. Verh. Deut. Ges. inn. Med., 1933, 45. Kongr., 405. — & Hermann, E. Das Vorkom-

men von freiem Indol im Blut bei verschiedenen Krankheiten. Deut. Arch. klin. Med., 1940, 186: 593-603. — Böhm, F. Studien über die Biochemie der Indolkörperausscheidung und die Indikanentstellung. Biochem. Zschr., 1937, 290: 137-71. — Grosser, P. Ueber das Verhalten von zugeführtem Indol und Skatol im Organismus. Zschr. physiol. Chem., 1905, 44: 330-4. — Hervieux, C. Recherches sur la présence de l'indol et du scatol dans le sang. C. rend. Soc. biol., 1904, 56: 623-5. — Laroche, G., & Desbordes, J. Recherches cliniques et expérimentales sur l'indoxylurie; contribution à l'étude de l'oxydation de l'indol dans l'organisme. Ann. méd., Par., 1932, 32: 221-41. Also C. rend. Soc. biol., 1932, 109: 271-3. — Macchia, E. Studi sull'indolo; comportamento dell'indolo introdotto nel sangue e sue vie di eliminazione. Boll. Soc. ital. biol. sper., 1934, 9: 1213-5. — Masuda, J. [Ueber den Einfluss von Nephroloormon auf die Indicansynthese von Indol und auf den Widerstand gegen Indol im Organismus] J. Chosen M. Ass., 1939, 29: 581-93. — Nicolai, H. Quantitative Resorptionsversuche mit reinen Darmgiften; Indol-Resorption im Dünndarm der gesunden Ratte. Klin. Wschr., 1939, 18: 1338-41. Quantitative Resorptionsversuche mit reinen Darmgiften; Resorption und Speicherung kleiner Indolmengen im Dünndarm der gesunden Ratte. Ibid., 1941, 20: 142-5.

Pathology.

Barac, G. Foie, muscle et indol in vitro. C. rend. Soc. biol., 1937, 126: 1238-40. — Basinski, D. H., & Lewis, G. T. Indoluria and its relation to sulfur deficiency. Proc. Soc. Exp. Biol., N. Y., 1939, 42: 628-31. — Biebl, M. Zur Frage nach der Bedeutung des Phenol-Indol-Stoffwechsels; latente Phenol-Indol-Intoxikation und Autointoxikation überhaupt. Zschr. ges. exp. Med., 1934, 93: 520-8. — Bohn, H., & Baster, R. Ueber die Bedeutung der intestinalen Indolintoxikation bei der endokrin-nervösen Enteropathie (sogenannten chronischen Enteritis) Wien. klin. Wschr., 1940, 53: 207-16. — Bortolucci, P. L'indoluria nello stato puerperale; studio sulla funzione antitossica del fegato. Riv. ital. gin., 1938, 21: 147-62. — Büngeler, W. Die experimentelle Erzeugung von Leukämie und Lymphosarkom durch chronische Indolvergiftung der Maus. Frankf. Zschr. Path., 1932, 44: 202-71. — Carnes, H. E., & Lewis, G. T. The source of urinary indol. J. Lab. Clin. M., 1937-38, 23: 459-63. — De Gaetani, G. F. Modificazioni ematiche da somministrazione di indolo. Boll. Soc. ital. biol. sper., 1935, 10: 439-41. — Sugli effetti della intossicazione sperimentale da indolo. Riv. pat. sper., 1935-36, 15: 319-34, 2 pl. — Forbes, J. C., & Neale, R. C. Studies on indoluria. J. Lab. Clin. M., 1934-35, 20: 1017-24. — Macchia, E., & Cataldi, G. M. Studi sull'indolo; indolo e crasi sanguigna. Boll. Soc. ital. biol. sper., 1938, 13: 710-2. — Michelazzi, A. M., & Bellucci, G. L'azione fisiopatologica dell'indolo e dello scatolo sull'intestino isolato. Rass. ter. pat. clin., 1934, 6: 513-25. — Ponder, E. Hemolytic properties of indol. Proc. Soc. Exp. Biol., N. Y., 1938, 38: 237-9. — Rabuffetti, L. N. Consideraciones clinicas sobre algunos problemas de indole; diagnóstico y terapéutica. Rev. As. méd. argent., 1940, 54: 189. — Rhoads, C. P. Effect of indol on hematopoiesis in dogs fed deficient diets. Proc. Soc. Exp. Biol., N. Y., 1937, 36: 652-4. — & Barker, W. H. The hemolytic effect of indol in dogs fed normal diets. J. Exp. M., 1938, 67: 267-71. — & Miller, D. K. The increased susceptibility to hemolysis by indol in dogs fed deficient diets. Ibid., 299-308. — Rhoads, C. P., & Miller, D. K. Induced susceptibility of the blood to indol. Ibid., 273-97. — Taylor, W. T. Blood changes produced in rabbits by indol. Med. Ann. District of Columbia, 1939, 8: 362.

Pharmacology.

Goudot, B. *Contribution à l'étude pharmacologique et clinique de l'acide indol- α -carbo-nique. 52p. 8°. Par., 1933.

Bauknecht, H. Die entwicklungshemmende Wirkung von Indol auf Bakterien. Zbl. Bakt., 1. Abt., 1937-38, 140: 101-5. — Beckwith, T. D., & Geary, E. H. The effect of indol-3-acetic acid upon multiplication of *B. coli* communis and *B. typhosus*. J. Bact., Balt., 1938, 36: 453. — De Gaetani, G. F. Sulla fissazione dell'indolo da parte dei tessuti in vitro. Boll. Soc. ital. biol. sper., 1933, 8: 860-3. — & Consoli, A. Ricerche sperimentali sugli effetti della somministrazione di indolo; modificazioni ematiche. Haematologia, Pavia, 1936, 17: 77-89. — Ets, H. N., & Feinberg, I. M. Some actions of indole on the dog. Am. J. Physiol., 1942, 136: 647-9. — García-Bianco, J., Del Castillo, J., & Rodeles, F. J. Acción del indol y algunos de sus derivados sobre la motilidad intestinal. Rev. Soc. argent. biol., 1941, 17: 473-6. Also Prensa méd. argent., 1942, 29: 65. — Grace, N. H. Physiological activity of a series of indolyl acids. Canad. J. Res., 1939, 17: Sect. C, 373-5. — Kilborn, R. B., Pierce, H. B., & Tissier, R. P. The bactericidal action of indole. Proc. Soc. Exp. Biol., N. Y., 1928-29, 26: 391. — Nicolai, H. Quantitative Resorptionsversuche mit reinen Darmgiften. Nord. med., 1941, 12: 3035 (Abstr.) (microfilm) — Waddell, J. A., & Calhoun, J. A. The action of indol and skatol on the heart. J. Lab. Clin. M., 1926-27, 12: 991-7. — Yanai, B. On the cause of indol convulsions in frogs. Tohoku J. Exp. M., 1935, 25: 385-400. — On the cause of indol convulsions in warm-blooded animals. Ibid., 401-6.

INDONESIA.

Benedict, P. K. Thai, Kadai, and Indonesian; a new alignment in Southeastern Asia. *Am. Anthropol.*, 1942, 44: 576-601.—Braunholtz, H. J. Note on a special exhibition of ethnographical objects from New Guinea and Indonesia collected by Lord Moyne. *Man, Lond.*, 1936, 36: 95.—Gardner, F. Linguization in Austronesian languages; an unusual consonantal shift. *Papers Michigan Acad. Sc.* (1941) 1942, 27: 511-4.

INDOPHENOL.

Dieckmann, H. Untersuchungen über die intrazelluläre Indophenolblau-Synthese. *Verh. Deut. path. Ges.*, 1928, 23: 343-6 [Discussion] 357-60.—Mason, H. L. A study of tautomeric chloroindophenols: a contribution to the theory of color production in dyes. *Abstr. Theses Univ. Chicago*, 1926-27, 5: 199-203.—Pimenta, N. Técnica melhorada de padronização iodométrica do 2:6-di-clorofenol-indofenol. *Ann. paul. med. cir.*, 1939, 38: 309-13.

Oxidase.

See also **Cytochrome**.

Bodine, J. H., & Boell, E. J. Enzymes in ontogenesis (Orthoptera) the indophenol oxidase. *J. Cellul. Physiol.*, 1936, 8: 213-30, 6 fig.—Dye, J. A. Improved colorimetric method for determining quantitatively the indophenol oxidase content of animal tissues. *Proc. Soc. Exp. Biol.*, N. Y., 1926-27, 24: 640-2.—Friedman, G. J., Rubin, S. H., & Kees, W. Effect of addition of KCN to whole blood on indophenol-reducing power of plasma. *Ibid.*, 1938, 38: 358-60.—Robuschi, L. Comportamento delle indofenolossidasi dei leucociti nella deficienza graduale di ossigeno. *Riv. biol.*, 1939, 27: 341-65.

INDOXYL.

See also **Blood chemistry**, **Indican**; **Indol**; **Melanin**; **Skatol**.

Guillaumin, C. O. A propos du dosage de l'indoxyle, indigotine, indirubine et colorant de Jolles. *Bull. Soc. chim. Par.*, 1935, 17: 403-19.—Houssay, B. A., Deulofeu, V., & Mazzocco, P. Cuerpos indoxilógenos; serie benecénica. *Rev. Soc. argent. biol.*, 1935, 11: 7-17.—Kreuzwendedich von dem Borne, G. A. Die blaue Fluoreszenz von Urin im ultravioletten Licht durch Indoxylacetylverbindungen. *Acta med. scand.*, 1938, 97: 311-21.—Neuberg, C., & Schwenk, E. Ueber Indoxylglucuronsäure. *Biochem. Zschr.*, 1917, 79: 383-8.

Indican.

See also **Amino acids**; **Blood chemistry**, **Indican**; **Indol**; **Tryptophan**.

STIERLIN, V. *Indikan und Nebenniere. 29p. 22½cm. Basel, 1939.

Atumi, Y. [Control of indican in the blood by nephro-hormone] J. Chosen M. Ass., 1939, 29: 516-29.—Inoue, H. Klinische und experimentelle Untersuchung des Indikans bei Nierenschädigungen. *Ibid.*, 1933, 23: 100. [Klinische und experimentelle Untersuchung des Indikans bei Nierenschädigungen] *Ibid.*, 1934, 24: 1171-91. [Experimentelle Untersuchung über die Resorption des Indols und die Indikansynthese im Organismus] *Ibid.*, 1519-36.

[Ueber Indikanausscheidung in der Galle] *Ibid.*, 1935, 25: 121-35.—Kenny, F. E., & Hubbard, R. S. Xanthoproteic and indican studies on the blood in renal insufficiency. *Am. J. Clin. Path.*, 1939, 9: 465-76.—Kisi, Y. Experimental studies on the indican formation. *Tohoku J. Exp. M.*, 1928, 11: 504-43; 1928-29, 12: 75-86.—Schlierbach, P. Indicanbelastung als Nierenfunktionsprüfung. *Deut. Arch. klin. Med.*, 1935, 178: 103-8. — Ueber eine neue Nierenfunktionsprüfung durch Belastung mit einem körpereigenen Stoff (Indikan) *Verh. Deut. Ges. inn. Med.*, 1936, 48. Kongr., 429-32.—Serra, L. Sul valore dell'indicanemia nell'esplorazione funzionale del rene. *Arch. ital. urol.*, 1931-32, 8: 85-90.—Tetelbaum, A. G., Krynsky, M. I., & Romanova, O. F. [Comparative evaluation of indicanemia and Ambard's constant for functional diagnosis of the kidneys] *Sovet. vrach. gaz.*, 1933, 37: 1145-7.—Zamyslowa, K. Die Bestimmung des Indicans und der Xanthoproteinreaktion im Blute als Methode der Nierenfunktionsprüfung. *Zschr. klin. Med.*, 1931, 116: 732-45.

Indican: Determination.

DOERR, R. *Indikanreaktion beim gesunden und kranken Säugling [Würzburg] 29p. 22½cm. Saarbrücken, 1937.

OPPIKOFER, C. H. *Du taux de l'indoxylurie et de sa signification clinique. 64p. 8°. Genève, 1936.

Althausen, A. J. [New method of quantitative determination of indican in urine and blood] *Vrach. delo*, 1936, 19: 619-22.—Beacon, D. N. Obermayer's test for indican in the urine. *Colorado M.*, 1927, 24: 256.—Böhm, F., & Grüner, G. Die stufenphotometrische Indican-Bestimmung in 1 cm Harn mittels der Rose-Extenschen Reaktion. *Klin. Wschr.*, 1936,

15: 1279-81.—Broekmeijer, J. [Examination of indican contents in the urine] *Ned. tschr. geneesk.*, 1932, 76: pt 3, 3942.

Quantitative Indicanbestimmung im Harn. *Klin. Wschr.*, 1932, 11: 1713. — Die quantitative Bestimmung des Harnindicans. *Ibid.*, 1939, 18: 1471.—Cabrin, S. L'indice di eliminazione renale dell'indicano: rapporto tra indicano e urea nel sangue. *Pensiero med.*, 1932, 21: 33-43.—[Detection of indican in urine] *Ny pharm. tid.*, Kbh., 1879, 11: 12-4.—Eucker, H. Zur Bewertung verschiedener Methoden der quantitativen Harnindicanbestimmung. *Zschr. ges. exp. Med.*, 1937-38, 102: 589-99.—Kumon, T. Colorimetrische Bestimmung des Harnindicans mittels Ninhydrin. *Zschr. physiol. Chem.*, 1935, 231: 205-7.—Larouche, G., & Grigaut, A. Les renseignements fournis à la clinique pour le dosage de l'indoxyle dans les urines. *Bull. Soc. méd. Paris*, 1934, 247-58.—Mayerhofer, E. Zur Kritik der Indikanprobe im Harn und über deren Durchführung im Säuglingsalter. *Arch. Kinderh.*, 1932, 97: 17.—Meiklejohn, A. P., & Cohen, F. P. The quantitative determination of indoxyl compounds in urine. *J. Lab. Clin. M.*, 1941-42, 27: 949-54.—Muto, M. Die quantitativen Bestimmung des Indicans im Serum und Harn als Nierenfunktionsprobe in der Chirurgie. *Tohoku J. Exp. M.*, 1928, 11: 57-78.—Olivet, J. Hat die Indicanbestimmung im Urin diagnostischen Wert? *Klin. Wschr.*, 1928, 7: 2439.—Rose, A. R., & Exton, W. G. Determination of indican in urine. *J. Biol. Chem.*, 1935, 109: 71.—Schlierbach, P. Ueber den Nachweis und die Bedeutung des Indicans im Urin. *Deut. Arch. klin. Med.*, 1937, 180: 439-49.—Sharlit, H. A method for the quantitative estimation of indoxyl compounds in urine. *J. Biol. Chem.*, 1933, 99: 537-45.—Signer, A. C. Quantitative Bestimmung des Indikangehaltes im Harn unter normalen und pathologischen Bedingungen im Kindesalter. *Ausz. Inaugur. Diss. Med. Fak. Univ. Bern* (1935-37) 1938, No. 117, 1.—Szajna, M. Eine praktische Methode zum Indikannachweis im Harn. *Münch. med. Wschr.*, 1935, 82: 1795.—Zacherl, M. K. Ueber die quantitative Bestimmung des Harnindicans mit Hilfe des Pulfrich-Photometers. *Zschr. physiol. Chem.*, 1933, 220: 113-22.

Indicanuria.

DEBETS DE LACROUSILLE, J. *Contribution à l'étude de l'indican dans les urines; valeur sémiologique de l'indicanurie. 56p. 8°. Par., 1901.

Askenstedt, T. C. Indicanuria. *Kentucky M. J.*, 1910, 8: 1378-85.—Baar. Ueber Indikanurie. *Verh. Deut. Kongr. inn. Med.*, 1911, 28: 588-96.—Burke, J. Indicanuria. *Am. M. Compend*, 1909, 25: 5-7.—Conti, A. Sull'indicanuria. *Boll. Soc. med. Parma*, 1911, 2. ser., 4: 120-2.—Connellan, J. J. Indicanuria, its etiology, symptoms and treatment. *Merck's Arch.*, N. Y., 1911, 13: 37-40.—Daland, J. Indicanuria and its significance. *J. Am. M. Ass.*, 1909, 53: 1446-9.—Dodds, E. C., & Robertson, J. D. Indicanuria. In *Brit. Encycl. M. Pract.* (Rolleston, H.) *Lond.*, 1938, 7: 111-7.—Fenner, E. D. Indicanuria in childhood, with a report of cases. *N. Orleans M. & S. J.*, 1908-9, 61: 352-7 [Discussion] 382. Also *Proc. Orleans Parish M. Soc.* (1908) 1909, 243-9.—Gianasso. Ricerche cliniche sull'indicanuria nei bambini. *Gior. Osp. Maria Vittoria, Tor.*, 1908, 8: 6-11.—Hiatt, H. B. Indicanuria. *Old Dominion J. M. & S.*, 1909, 9: 158-65.—[Indican as a constant constituent of urine] *Pharm. tid.*, Kbh., 1863-64, 3: 270-2.—Jaffe, M. Die Indicanurie und ihre pathologische Bedeutung. *Deut. Klinik*, 1903, 11: 199-220.—Laroche, G. Considérations sur l'indoxylurie; son intérêt pratique; son traitement. *Prat. méd. fr.*, 1936, 17: 195-204.—Leo. Beobachtungen über Indikanurie im ersten Kindesalter. *Verh. Ges. deut. Naturforsch.* (1906) 1907, 33: 281-302.—MacKee, G. M. Indicanuria: a consideration of its practical importance to the dentist. *Dent. Brief*, 1908, 13: 193-204.

Indicanuria: aetiology, diagnosis, pathogeny, and treatment. *N. York M. J.*, 1908, 87: 491-9.—Mahler, P. Experimenteller Beitrag zur Therapie der Indikanurie. *Med. Klin.*, Berl., 1933, 29: 1041.—Mitchell, C. Some clinical experience with indicanuria. *Clinique, Chic.*, 1909, 30: 293-8.—Montgomery, G. N. A case of indicanuria. *Lancet, Lond.*, 1908, 1: 1621.—Morelli, E. Sull'indicanuria. *Boll. Soc. med. chir. Pavia*, 1909, 23: 479-84.—Morgan, W. G. Indicanuria. *Am. Med.*, 1908, n. ser., 3: 514-20.—Pauly, R. De l'indicanurie. *Lyon méd.*, 1905, 105: 667-70.—Plonsker, H. Ueber Indicanurie beim Säugling. *Msehr. Kinderh.*, 1931, 50: 169-73.—Porru-Costa, P. Indicanuria e sua importanza clinica. *Gazz. osp.*, 1902, 23: 1107-15.—Porter, W. H. Indicanuria, its etiology and practical significance. *Med. Rec.*, N. Y., 1907, 71: 980-5.

Indicanuria a danger signal; its varieties and treatment. *Postgraduate, N. Y.*, 1907, 22: 983-1004.

Indicanuria chemically considered. *Ibid.*, 1908, 23: 513-6.

Indicanuria; its diagnostic value. *Arch. Diagn.*, N. Y., 1908, 1: 173-6.—Potter, J. H. Indicanuria. *Merck's Arch.*, N. Y., 1908, 10: 307-9.—Rea, C. Indicanuria. *Pennsylvania M. J.*, 1908-9, 12: 722-6.—Rennie, G. E. Indicanuria. *Australas. M. Gaz.*, 1904, 23: 59-61.—Richards, W. G. Indicanuria. *St Paul M. J.*, 1907, 9: 444-9.—Riva, A. Sull'indicanuria. *Lavori Congr. med. int.*, Roma (1911) 1912, 21: 358-61.—Saxon, G. J. Indican; its periodicity of elimination. *Proc. Path. Soc. Philadelphia*, 1927, n. ser., 29: 34. Also *Med. Clin. N. America*, 1927, 10: 1593-606.—Schneider, J. Les variations de l'indoxyle urinaire sous l'influence de la cure de Vittel. *Bull. Soc. méd. Paris*, 1934, 306-14.—Sill, E. M. Indicanuria in

young children. *Am. Med.*, 1909, n. ser., 4: 561-3.—**Vauthey, P.**, & **Vauthey, M.** L'indoxylurie. *Hôpital*, 1936, 24: 277-82.—**Warbrick, J. C.** Indicanuria and the chlorides. *Med. Rec.*, N. Y., 1912, 82: 759.

Indicanuria: Physiopathology.

Abrams, A. Autointoxication and indicanuria. *Med. Rec.*, N. Y., 1908, 73: 689.—**Becher, E.** Ueber das Vorkommen von Hyperindikanurie und Hyperurobilinogenurie bei Neuropathen. *Zbl. inn. Med.*, 1930, 51: 287-90.—**Enriquez, E.**, & **Binet, M. E.** L'indicanurie; pathogénie et valeur séméiologique. *Tribune méd.*, Par., 1907, n. ser., 39: 213-5.—**Faught, F. A.** Clinical significance of indicanuria with particular reference to certain neurological manifestations. *Med. Rec.*, N. Y., 1941, 154: 333-6.—**Fleischner, E. C.** The relation of meat ingestion to indicanuria in children. *Am. J. Dis. Child.*, 1911, 2: 262-6.—**Inoue, H.** Ueber die Ausscheidung von Harnindikan bei inneren Krankheiten. *J. Chosen M. Ass.*, 1933, 23: 77.—**Jansch, H.**, & **Hügl, J.** Ueber Indikanurie und Indikanämie gesunder und kolikkranker Pferde. *Wien. tierärztl. Mschr.*, 1930, 17: 638-46.—**Laroche, G.** L'indoxylurie au cours des affections intestinales. *Gaz. hôp.*, 1934, 107: 1418.—**Grigaut, A.**, & **Poumeau-Delille.** Les variations de l'indoxyle urinaire sous l'influence de la diurèse. *C. rend. Soc. biol.*, 1929, 101: 450-2.—**Idem.** Etude expérimentale du mécanisme de la concentration de l'indoxyle urinaire. *Ibid.*, 102: 532-4.—**Laroche, G.**, & **Poumeau-Delille.** Recherches cliniques et expérimentales sur l'indoxylurie. *Ann. méd.*, Par., 1932, 31: 349-74.—**Redecba, R.** Kólikás lovak vizeletének indikántartalma. *Allatorv. lap.*, 1909, 32: 599.—**Rogers, L.** Thyrotoxicosis and indicanuria. *Brit. M. J.*, 1928, 2: 744.—**Sayers, J. R.** Allergy, autointoxication, and indicanuria. *U. S. Nav. M. Bull.*, 1936, 34: 67-70.—**Schlielbach, P.** Das Verhalten des Indicans im Organismus mit besonderer Berücksichtigung seiner Ausscheidung durch die gesunden und kranken Nieren nach Belastung. *Deut. Arch. klin. Med.*, 1938-39, 183: 387-421.—**Sharlit, H.** Indican excretion in the new-born. *Arch. Pediat.*, N. Y., 1938, 55: 277-81.—**Warbrick, J. C.** Indicanuria in disease. *West. M. Times*, 1926-27, 46: 241-7.

Metabolism.

MILLE, R. N. *L'indoxyle; signification clinique des variations de son taux dans l'urine et dans le sang. 60p. 25cm. Bord., 1934.

VIVONE, F. R. S. *Estudio clínico del indoxilo sanguíneo. 25p. 26½cm. B. Air., 1942.

Barac, G. Recherches sur le rôle du foie dans la transformation de l'indol en indoxyle chez le chien. *Arch. internat. physiol.*, Liège, 1940, 50: 1-11 (microfilm)—**Beccari, C.**, & **Gherardi, F.** L'iperindossilemia sperimentale come prova della funzionalità renale. *Rass. internaz. clin. ter.*, 1937, 18: 781-90.—**Biasotti, A.** Indoxilemia. *Medicina, B. Air.*, 1940-41, 1: 85-117.—**Böhm, F.** Ueber die Indoxyleinstellung aus o-Nitroacetophenon im tierischen Organismus. *Zschr. physiol. Chem.*, 1938, 255: 205-8.—**Lafrance, L.**, **Paris, J.**, & **Vansteenbergh, P.** Sur le rôle du rein dans l'élimination de l'indoxyle; comparaison avec l'élimination uréique. *C. rend. Soc. biol.*, 1938, 127: 1317-9.—**Laroche, G.** Contribution à l'étude du rôle du foie dans le métabolisme de l'indoxyle. *Rev. méd. chir. mal. foie*, 1934, 9: 91-204.

sulfate.

See subheading Indican.

INDUCTION [philos.]

See also Experimentation; Knowledge; Logic; Reasoning.

Dorolle, M. Les problèmes de l'induction. *Rev. philos.*, France, 1926, 101: 188-222.—**Herrick, C. J.** Awareness in the inductive solution of problems using words as stimuli. *Arch. Psychol.*, N. Y., 1938, No. 234, 5-87.—**Hosiasson, J. L.** Induction et analogie; comparaison de leur fondement. *Mind*, Lond., 1941, 50: 351-65.—**Roberts, W. J.** The problem of induction and the doctrine of formal cause. *Ibid.*, 1909, n. ser., 18: 538-51.—**Welch, L.** Some aspects of the development of inductive reasoning. *Tr. N. York Acad. Sci.*, 1941-42, ser. 2, 4: 218-21.—**Long, L.** Methods used by children in solving inductive reasoning problems. *J. Psychol.*, Provincet., 1942, 14: 269-75.—**Yarros, V. S.** Induction and radical psychology; discussion. *Psychol. Rev.*, 1922, 29: 237-40.

INDUCTOTHERM.

See under Fever therapy, Method, physical; Short wave.

INDURATION.

See under names of organs and tissues affected as Liver; Lung; Penis; Spleen. See also Fibrosis; Scleredema.

INDUSTRIAL and engineering chemistry. Easton, Pa., v.15-26, No. 5, 1923-34.

— Analytical Edition. Easton, Pa., v.1-5, 1929-33.

— News edition. Easton, Pa., v.3-11, 1925-33.

INDUSTRIAL hygiene. Alb., N. Y., v.17, 1938-

INDUSTRIAL hygiene.

See also Industrial medicine; Industrial work; Industrial worker, Health, etc.; also such headings as Mental hygiene; Occupation; Preventive medicine; Work, Physiology, etc.

Baudouin, J. A. Industrial hygiene from the public health aspect. *Canad. Pub. Health J.*, 1939, 30: 517-20.—**Brehm, P. A.** Industrial health. *Wisconsin M. J.*, 1941, 40: 53-6.—**Cunningham, J.** Industrial health. *Univ. Toronto M. J.*, 1941-42, 19: 152-5.—**Doyle, W. E.** Industrial hygiene. *Bull. Dep. Health Kentucky*, 1941-42, 14: 387-91.—**Ferguson, C. L.** Health in industry. *J. Am. M. Ass.*, 1928, 91: 868-70.—**Hayhurst, E. R.** Industrial hygiene. *Am. J. Pub. Health*, 1931, 21: 808-9.—**Hazlett, T. L.** Fundamentals of industrial hygiene. *J. Am. M. Ass.*, 1939, 112: 1287.—**Idem.** Industrial health, a separate discipline. *Ibid.*, 1942, 118: 646.—**Houser, P. J.** Industrial hygiene. *Iowa Pub. Health Bull.*, 1939, 53: No. 1, 4-23.—**Industrial health.** *Rep. M. Res. Council*, Lond., 1934-35, 154-9.—**Industrial health.** *Fed. Bull.*, Chic., 1941, 27: 289.—**Industrial hygiene.** *Brit. M. J.*, 1935, 2: 167.—**Industrial hygiene.** *City Health, Det.*, 1938, 22: 27.—**Jones, R. R.** Industrial hygiene. *J. Iowa M. Soc.*, 1939, 29: 258.—**McCord, C. P.** Occupational hygiene. In *Admin. Med.* (Emerson, H.) N. Y., 1941, 489-503.—**Rudloff, F.** La hygiene industrielle. *Congr. med. cir. nav. mil. Chile*, 1929, 1. Congr., 243.—**Salmon, I.** Hygiene in industry. *J. R. San. Inst.*, 1927-28, 48: 301-7.—**Sayers, R. R.** Industrial hygiene. *Rocky Mountain M. J.*, 1940, 37: 576-9.—**Selby, C. D.** Industrial health. *J. Indiana M. Ass.*, 194, 35: 1-3.—**Spolyar, L. W.** Industrial hygiene. *Month. Bull. Bd Health Indiana*, 1943, 46: 3.—**Townsend, J. G.** Public health for the worker. *Health Bull.*, Raleigh, 1941, 56: No. 9, 9-12.—**Watson, C. H.** Preventive medicine in industry. *Proc. Interst. Postgrad. M. Ass. N. America* (1930) 1931, 6: 458-64.

Bibliography.

See under Industrial medicine.

Committees and councils.

[AMERICA] CONFERENCE OF STATE AND PROVINCIAL HEALTH AUTHORITIES OF NORTH AMERICA. Committee on Industrial Hygiene, 1921-36. 76p. 8° [n. p., 1937]

LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE. Report of a meeting of The Ross Institute, Industrial Advisory Committee. 23p. 12° Lond. [1938]

Activities of new industrial health committee, Georgia. *J. Am. M. Ass.*, 1942, 119: 1379.—**Appointment** of occupational health council in Massachusetts. In *Handb. Lab. Statist.* (Parker, F. E.) Wash., 1936, 475.—**British Medical Association**; report of Committee on Industrial Health in factories. *Bull. Hyg.*, Lond., 1942, 17: 375 (Abstr.)—**Carlisle, J. M.** Report of the Advisory Committee on Industrial Health and Hygiene. *J. M. Soc. N. Jersey*, 1941, 38: 236-8.—**Idem.** Industrial medicine; Committee on Industrial Health. *Ibid.*, 1942, 39: 450; 552.—**Council (The)** on Industrial Health. *J. Am. M. Ass.*, 1937, 109: 1990.—**Fürst, T.** Die schwedische Vereinigung für Arbeiterschutz (Föreningen för arbetarskydd) Arbeiterschutz, 1926, 2: 115.—**General (A)** statement of medical relationships in industry presented by the Council on Industrial Health. *J. Am. M. Ass.*, 1940, 114: 573-86.—**Giromini, M.** L'azione della Confederazione fascista lavoratori industriali per l'elevazione igienico-sociale delle masse, e gli infortuni e le malattie professionali. *Ber. Internat. Congr. Unfallmed.* (1938) 1939, 8. Congr., 2: 1244-8.—**Hayhurst, E. R.** The Industrial Hygiene Section, 1914-34. *Am. J. Pub. Health*, 1934, 24: 1039-44.—**Kleditz, J.** Die Entstehung und bisherige Tätigkeit des Deutschen Schleifschleibenausschusses (D. S. A.) Arbeiterschutz, 1934, 60-2.—**Meeting** of the Council on Industrial Health. *J. Am. M. Ass.*, 1938, 110: 433; passim in consec. vols.—**National Safety Council's** staff health program. *Indust. M.*, 1942, 11: 163.—**Osborn, S. H.** Report of Industrial Hygiene Committee, 1933, 1938, 1939. *Proc. Conf. Health Author. N. America*, 1933, 48: 52; 1938, 53: 128; 1940, 54: 67.—**Report** of Committee on Industrial Health. *Week Bull. Jackson Co. M. Soc.*, 1941-42, 36: 924.—**Report** of the meeting of the Correspondence Committee on Industrial Hygiene, held at the International Labour Office, September, 1936. *Nat. Health Rev.*, Ottawa, 1937, 5: 14-8.—**Tentative report**, 1934

Industrial Hygiene Committee of the Association of State and Provincial Health Authorities of North America. Proc. Conf. Health Author. N. America, 1934, 49: 125-36.

Congresses.

See **Industrial medicine**, Congress.

Essays.

Ascher, Cöster, A., & Heumann, E. Lehren der Wirtschaftskrise für die Hygiene der Arbeit. Zbl. Gewerbehyg., 1933, n. F., 10: 104-7.—Axioms of production. Med. Today, Richmond, 1942, 3: No. 5, 13.—Bandeira de Mello, J. Contribuição à higiene do trabalho. Fol. med., Rio, 1938, 19: 288-91.—Black, J. A. Industrial hygiene and diseases of occupations. Denver M. Times, 1914-15, 34: 39-43.—Bristol, L. D. Health activities; need, principles and practical suggestions. Indust. M., 1933, 2: 85-94.—What every health officer should know; industrial hygiene. Am. J. Pub. Health, 1938, 28: 1080-2.—Britto, A. Algumas considerações sobre higiene do trabalho. Ann. Congr. brasil. hyg., 1929, 5. Congr., 2: 101-5.—Britton, J. A. Preventive medicine in industry; need, principles and practical suggestions. Indust. M., 1933, 2: 1-3.—Bulmer, F. M. R. Objectives of industrial hygiene. Canad. Pub. Health J., 1938, 29: 345-53.—Castilla, C. M. Importancia de la higiene industrial. Bol. Of. san. panamer., 1940, 19: 12-4.—Also Sem. méd., B. Air, 1940, 47: pt 1, 972-4.—Cianetti, T. Nel settore dell'industria. Assist. sociale, Roma, 1939, 13: No. 8, 65-71.—Collis, E. L. Industry in relation to personal and public health. J. State M., Lond., 1930, 38: 125-37.—Cook, W. A. Industrial health from the viewpoint of the industrial hygienist. Indust. M., 1940, 9: 595-9.—Cunningham, J. G. Finding out what's wrong. Health, Toronto, 1937, 5: 38.—Donlan, F. A. Industry's headaches; the cure. Med. Rec. N. Y., 1942, 155: 222.—Drinker, P. The shifting scene. Indust. M., 1942, 11: 357.—Evans, W. A. The significance of industrial health. Tr. Nat. Safety Council, 1931, 1: 151-7.—Fisher, H. E. Health and business recovery. Indust. M., 1933, 2: 166-71.—Gelman, I. G. [Hygiene in industry] Gig. epidem., 1931, 9: 1-8.—Gerbis, H. Die Ziele der Gewerbehygiene. Zschr. Desinfekt., 1930, 22: 325-32.—Gray, A. S. The increasing importance of preventive industrial medicine. Connecticut M. J., 1940, 4: 600-2.—Hastings, C. J. Industrial disease and industrial hygiene. Canad. M. Ass. J., 1914, 4: 782-92.—Health and industry. Med. J. Australia, 1941, 1: 81.—Ikhtelman, M. S. [Work hygiene] In his Rukov. kurs. sredn. med. pers., Moskva, 1937, 239-55.—Lockhart, L. P. The place of industrial hygiene in relation to a national health policy. J. R. San. Inst., 1928-29, 49: 298-306.—Loriga, G. Il posto dell'igiene del lavoro nella medicina sociale: sua importanza scientifica e pratica. In Conf. Univ. Pisa, 1934-35, 124-8.—Macewicz, P. [Industrial hygiene and knowledge of industries] Warsz. czas. lek., 1938, 15: 705; 723.—Markusov, K. E. Industrial hygiene is science of preservation of health of industrial worker. Michigan Pub. Health, 1942, 30: 185.—Möhne, G. En fackföreningsmans synpunkter på arbetsplatshygienen. Nord. med., 1941, 10: 1894 (Abstr.) (microfilm).—Moore, D. A. Industrial health from the viewpoint of the employee. Indust. M., 1940, 9: 599-604.—Oliver, T. What are the foes of industrial hygiene and how can they be met. J. State M., Lond., 1936, 44: 323-31.—Pacheco Pizarro, H. Sobre higiene industrial. Bol. Serv. nac. salub., Santiago, 1934, No. 11, 9.—Rowntree, A. Health in industry. J. R. San. Inst., 1939-40, 60: 353-9.—Sayers, R. R. Health promotion in industry. Indust. M., 1938, 7: 410-5.—Bloomfield, J. J. Public health aspects of industrial hygiene. J. Am. M. Ass., 1938, 111: 679-83.—Stewart, D. Industrial incapacity and modern medicine. Brit. M. J., 1939, 1: 963-7.—Teleky. Gewerbehygienische Selbstverständlichkeiten, die immer wieder vergessen werden. Arbeiterschutz, 1927, 3: 49-51.—Vaughn, H. F. The public health aspects of occupational hygiene. Indust. M., 1939, 8: 371-4.—Wakefield, C. C. Some observations on the scope and value of industrial hygiene. J. R. San. Inst., 1926-27, 47: 419-21.—Wolf, G. Gewerbehygiene und Unfallverhütung. Zschr. Desinfekt., 1926, 18: 170-9.—Woll, M. Organized labor and industrial health. Pennsylvania Health, 1941-42, 2: No. 12, 14-21.—Zwiedineck-Südenhorst, O. von, Bonin, W. von, & Haupt, G. Die wirtschaftliche Bedeutung der Gewerbehygiene. Zbl. Gewerbehyg., 1933, Beih. 24, 1-44.

History and progress.

See also **Industrial medicine**, History.

NANN, J. *Zur Geschichte der gewerbehygienischen Bestrebungen in Basel [Basel] 45p. 8°. Nafels, 1935.

Adolescent (An) giant stirs. Am. J. Pub. Health, 1942, 32: 536.—Beckett, R. C. Another step forward in public health. Delaware M. J., 1939, 11: 182-4.—Bianchi Alvarez, C. Higiene industrial. Rev. med., Rosario, 1942, 16: No. 158, 28-32.—Bloomfield, J. J. Development of industrial hygiene in the United States. Am. J. Pub. Health, 1938, 28: 1388-97.—Industrial hygiene; retrospect and prospect. Ibid., 1939, 29: 1215-24.—Brezina, E. Fortschritte auf dem Gebiete der Gewerbehygiene. Zbl. ges. Hyg., 1932, 27: 657; 1937, 39: 449-72.—Case, L. B. Recent researches in industrial hygiene, an outline. Indust. M., 1942, 11: 250-3.—Castellino, N. Evolu-

zione storica del lavoro e della previdenza sociale. Fol. med. Nap., 1929, 15: 238-48.—Cazzaniga, A. Un medico del settecento propagatore dell'orientamento professionale degli operai. Riv. stor. sc. med., 1926, 17: 1-5.—Cook, W. A., Industrial hygiene progress during the past year. Indust. M., 1941, 10: Indust. Hyg. Sect., 48-53.—Devoto, L. Der Arbeiterschutz von Bernardino Ramazzini bis Rudolf Virchow (1690-1848) Wien. med. Wschr., 1935, 85: 1217; 1251; 1275.—Dittrick, H. Industrial hazards by Hippocrates et al. Bull. Acad. M. Cleveland, 1937, 21: No. 11, 13.—Fishbein, M. Industrial hygiene. Britan. Bk 1942, 347.—Hamblin, D. O. Trends in industrial health. Pub. Health News, Trent on, 1941, 25: 271-5.—Hausser, G. Développement et progrès de l'hygiène industrielle aux Etats-Unis. Nat. Health Rev., Ottawa, 1939, 7: 184. Also Presse méd., 1939, 47: 737-9.—Kaisin-Loslever. L'hygiène des mouvements professionnels. Mouvement hyg., Brux., 1914, 30: 124-8.—Kaplan, S. Die Forschungsarbeit auf dem Gebiete des Arbeitsschutzes in der Sowjet-Union. Arbeiterschutz, 1927, 3: 61-5.—Kronenberg, M. H. Industrial hygiene; its historical development and the modern campaign. Illinois M. J., 1937, 72: 66-70.—Langelez, A. Les aspects actuels de la médecine industrielle préventive en Belgique. Arch. méd. sociale, Brux., 1939, 2: 808-29.—McCord, C. P. Occupational hygiene in Michigan 65 years ago. J. Michigan M. Soc., 1939, 38: 1094-8.—Osborne, E. Industrial hygiene in Australia. Opera Internat. Congr. Indust. Accid. (1928) 1929, 5. Congr., 671-92.—Paluch, E. [Work hygiene in Germany] Warsz. czas. lek., 1935, 12: 545; 566.—Russell, J. P. Growth of industrial hygiene in California. Week. Bull. California Dep. Pub. Health, 1939-40, 18: 93; 97.—Selby, C. D. Renaissance of industrial hygiene. Am. J. Pub. Health, 1940, 30: 1422-6.—Industrial health marches on. J. Am. M. Ass., 1941, 117: 159-61.—Siegel, O. Die Grundsätze der Arbeitshygiene in Italien. Zschr. Gewerbehyg., 1928, 34: 145-7.—Smyth, H. F. Recent developments in industrial hygiene. Am. J. Pub. Health, 1926, 16: 126-9.—Somerset, T. The progress of industrial hygiene in Northern Ireland. J. State M., Lond., 1932, 40: 406-8.—Wolff, G. Neuere aus dem Gebiete der Gewerbehygiene. Techn. Gemeindebl., 1927-28, 30: 290-4.

Institutes, laboratories, and agencies.

KURASIKI, JAPAN. INSTITUTE FOR SCIENCE OF LABOUR. Report. Kurasiki, No. 11, 1932-

PARIS. INSTITUT NATIONAL D'ÉTUDE DU TRAVAIL ET D'ORIENTATION PROFESSIONNELLE. Bulletin. Par., v.12, 1940-

PITTSBURGH, PA. INDUSTRIAL HYGIENE FOUNDATION. Industrial Hygiene Foundation [8]p. 23cm. Pittsb. [1941]

Bloomfield, J. J. Development of industrial hygiene in state and local health departments. In Sympos. Indust. Health (M. Coll. Virginia) Richmond, 1940, 55-68.—Coleman, B. S. Extension of industrial hygiene by tuberculosis associations in the United States. Am. J. Pub. Health, 1929, 19: 157-65.—Cook, W. A. The industrial hygiene laboratory. J. Indust. Hyg., 1936, 18: 623-36.—Also in Environment & C. (Harvard Univ.) Bost., 1937, 284-97.—Cox, G. W., & Nau, C. A. Industrial hygiene as a function of a state department of health. South. M. J., 1939, 32: 960-5.—Crime detection laboratory to be ready August 1; industrial hygiene activities will be expanded. Michigan Pub. Health, 1941, 29: 125.—Cunningham, J. G. Division of industrial hygiene. Annual Rep. Dep. Health Ontario (1940) 1941, 17: 152-63.—Deery, J. P. State Department of Health, Industrial Sanitation Section. Rhode Island M. J., 1940, 23: 197.—Draper, W. F. The public health interest in industry; Federal, State and local. J. Am. M. Ass., 1939, 112: 643.—Federal and state agencies concerned with problems of industrial health. In: Handb. Lab. Statist. (Parker, F. E.) Wash., 1936, 329-31.—Harrold, G. C. Industrial hygiene laboratories and their work. Indust. M., 1937, 6: 342-50.—Jones, R. R. Activities of the Division of Labor Standards in the promotion of industrial hygiene. Health Off., Wash., 1936, 1: 4: 91-3.—Láng, S. [Plans for an Institute of Occupational Physiology and of Nutrition] Népegészségügy, 1939, 20: 1043-5.—Lanza, A. J. Industrial activities of the Surgeon General's Office. J. Indiana M. Ass., 1942, 35: 416.—McConnell, W. J. Industrial health agency directory. Personnel J., 1940-41, 19: 73-5.—Muniz de Souza, B. Serviço de saúde; seção de higiene do trabalho, 1938. Arq. hig., S. Paulo, 1939, 4: No. 6, 179.—Parney, F. S. The Division of Industrial Hygiene. Canad. Pub. Health J., 1939, 30: 149.—Porterfield, J. B. The State Department of Health's bureau of industrial hygiene; assistance it can render the industrial physician. In Sympos. Indust. Health (M. Coll. Virginia) Richmond, 1941, 3-5.—Report of Industrial Hygiene Foundation. J. Am. M. Ass., 1943, 121: 449.—Sayers, R. R., & Bloomfield, J. J. Industrial hygiene activities in the United States. Am. J. Pub. Health, 1936, 26: 1087-96.—Schulze, W. H. Industrial hygiene in a municipal department of health. Baltimore Health News, 1930-31, 7-8: 102.—Spolyar, L. W. Industrial hygiene activities of the Indiana State Board of Health. J. Indiana M. Ass., 1941, 34: 175-9.—Trasko, V. M., & Bloomfield, J. J. An analysis of industrial hygiene activities in state and local health departments, 1940-41. Pub. Health Rep., Wash., 1942, 57: 853-72.—Urbandt, I. Sección higiene

industrial y social. Bol. san., B. Air., 1941, 5: 77-84.—Vandevanter, E. The safety work of the Engineer Department, War Department. Safety Bull., 1936, 1: No. 2, 3.

— Instruction.

See also **Industrial worker**, Health education.

Adam & Lorentz, F. Die Ausbildung und Fortbildung der Berufsschullehrer auf gewerbehygienischem Gebiet. Zbl. Gewerbehyg., 1927, n. F., 4: 193-5.—Baird, G. M. Industry goes collegian. Indust. M., 1942, 11: 162.—Belotti, E. Autarchia annonaria e preparazione professionale; occorrono buoni tecnici. Riv. Soc. ital. igiene, 1939, 61: 114-6.—Berezin, I. F. [On preparing qualified workers for rural work] Kazan, med. J., 1930, 26: 918-21.—Bierring, W. Industrial hygiene institutes. J. Iowa M. Soc., 1941, 31: 396.—Bloomfield, J. J. The need for industrial hygiene courses in public health curricula. Pub. Health Rep., Wash., 1937, 52: 799-802.—Bristol, L. D. The teaching of industrial hygiene. J. Am. M. Ass., 1934, 102: 990-5. Also Proc. Congr. M. Educ., 1934, 28-33.—Educational needs in the field of industrial health, with emphasis on medical postgraduate instruction. Fed. Bull., Chic., 1942, 28: 310-7. Also J. Am. M. Ass., 1942, 119: 1069-71.—Committee on Postgraduate Activities; postgraduate institutes on industrial hygiene. California West. M., 1942, 57: 101.—Crowden, G. P. Post-graduate training in the practice of preventive medicine in industry. Brit. M. J., 1936, 2: 1155.—Cummings, D. E. Industrial hygiene instruction for medical students. J. Ass. Am. M. Coll., 1941, 16: 24-9.—Correlation of industrial hygiene instruction with other clinical training. J. Am. M. Ass., 1942, 118: 647.—Enseñanza (La) de la higiene industrial. Bol. Of. san. panamer., 1942, 21: 859-63.—Gonzenbach, W. von. Der Unterricht in Gewerbehygiene an der Eidgenössischen Technischen Hochschule in Zürich. Arch. Gewerbehyg., 1930-31, 1: 611-9.—Greenwood, M. A study of industrial hygiene. Lancet, Lond., 1929, 1: 203-6.—Industrial hygiene institutes announced. Week. Bull. California Dep. Pub. Health, 1942-43, 21: 101.—Institutes on Wartime Industrial Health; report by the Secretary of the Institute. California West. M., 1942, 57: 259.—Legge, R. T. Objectives of the Institutes on Wartime Industrial Health. Ibid., 233.—Legge, T. The teaching of industrial hygiene. C. Med. Press & Circ., Lond., 1927, n. ser., 124: 132.—Myers, C. S. A psychological regard of medical education. Lancet, Lond., 1933, 2: 1075-80.—Sappington, C. O. Industrial health as related to licensure. Fed. Bull., Chic., 1942, 28: 132-6. Also J. Am. M. Ass., 1942, 119: 218.—Schitz, C. Stand und Plan der Ausbildung und Fortbildung in der Gewerbehygiene in den vier Ländern des Nordens. Ber. Internat. Kongr. ärztl. Fortbild. (1937) 1938, 3. Kongr., 395.—Seeger, S. J. Education in industrial health. Fed. Bull., Chic., 1942, 28: 228-34. Also J. Am. M. Ass., 1942, 118: 1017; 1942, 119: 217.—Sink, E. W. Industrial hygiene, University of Michigan. Indust. M., 1938, 7: 196-9.—Teaching (The) of industrial health. Ibid., 1942, 11: 121-3. Also Fed. Bull., Chic., 1942, 28: 80-7. Also J. Am. M. Ass., 1942, 118: 731-3.—Turner, C. E. Industrial health education and the promotion of the health and effectiveness of the worker. In: Indust. Hyg. (Lanza-Goldberg) N. Y., 1939, 575-606.—Wampler, F. J. Teaching industrial health to medical students. South. M. J., 1941, 34: 890-3. Also J. Ass. Am. M. Coll., 1942, 17: 69-79.

— Manuals and periodicals.

CARELLA, L. Igiene del lavoro nei climi caldi dell'Africa Orientale; manuale pratico per l'operaio Italiano. 107p. 16°. Bari, 1936.

CHAJES, B. Grundriss der Berufskunde und Berufshygiene. 2. Aufl. 398p. 8°. Berl., 1929.

CHENOWETH, L. B., & MACHLE, W. Industrial hygiene; a handbook of hygiene and toxicology for engineers and plant managers. 235p. 8°. N. Y., 1938.

FOUNDATION FACTS. Pittsb., v.3, 1941—

INDUSTRIAL HYGIENE. Alb., 1938, v.17, No. 1—KOIRANSKY, B. B. [Handbook on industrial hygiene] 431p. 23cm. Moskva, 1935.

LANZA, A. J., & GOLDBERG, J. A. Industrial hygiene. 743p. 24cm. N. Y. [1939]

LOCKHART, L. P. A short manual of industrial hygiene for managers, foremen, forewomen and industrial supervisors generally. 114p. 12° Lond. [1927]

LUTZ, G. Gewerbehygiene. 232p. 8°. Stuttg. 1932.

MCCORD, C. P. Industrial hygiene for engineers and managers. 336p. 8°. N. Y., 1931.

MASSACHUSETTS COMMITTEE ON PUBLIC SAFETY. Manual on industrial health for defense. 30p. 19½cm. Bost., 1942.

OCCUPATION AND HEALTH. Supplement. Genève, 1938—

PITTSBURGH, PA. INDUSTRIAL HYGIENE FOUNDATION. Digest of industrial hygiene. 42 numb. 1. 28cm. Pittsb., 1941.

SAPPINGTON, C. O. Industrial health, asset or liability. 275p. 22½cm. Chic. [1939]

UNITED STATES. COMPENSATION COMMISSION. Safety bulletin. Wash., v.1, 1936—

UNITED STATES. LABOR DEPARTMENT. DIVISION OF LABOR STANDARDS. Industrial health and safety series. Wash., v.1, 1935—

VERNON, H. M. Health in relation to occupation. 355p. 22½cm. Lond., 1939.

WILLIAMS, J. F., & OBERTEUFFER, D. Health in the world of work. 405p. 20½cm. N. Y., 1942.

ZENTRALBLATT FÜR GEWERBEHYGIENE UND UNFALLVERHÜTUNG. Beihefte. Lpz., v.1, 1925—Gould, A. G. Occupational hygiene. In Pract. Libr. M. & S. (Appleton) N. Y., 1937, 12: 267-302.

— Methods.

Arnold, L. Laboratory tests and methods useful and necessary in industrial hygiene. Illinois M. J., 1933, 64: 465-7.—Brückner, H. Ueber eine verbesserte Apparatur zur Dosierung von Gasen und Dämpfen im dynamischen Inhalationsversuch (zur Methodik der Gewerbehygiene) Arch. Hyg., Münch., 1929, 101: 16-26.—Crowden, G. P. The practical application of physiology to hygiene in industry. J. R. San. Inst., 1937-38, 58: 281-95.—Dick, P. G. The rôle of the X-ray in industrial hygiene. Illinois M. J., 1935, 67: 246-51.—Gross, E., & Kuss, E. Ueber die Dosierung von Dämpfen in chronischen Inhalationsversuchen. Zbl. Gewerbehyg., 1931, n. F., 8: 95-102.—Hare, K. P. Preliminary report on an experiment in cool-line sanitation. Ind. M. Gaz., 1938, 73: 609-11.—Humperdinck. Praktische Gewerbehygiene. Münch. med. Wschr., 1936, 83: 854.—Koelsch, F. Die Methodik der arbeitsphysiologischen Untersuchungen. Zbl. Gewerbehyg., 1931, n. F., 8: 5-16.—Liaschenko, I. I. [Plans of scientific research work for protection of industrial workers] Gig. bezopas. pat. truda, 1930, 8: 25-301.—Moskowitz, S., & Burke, W. J. Method for analysis of dust and fumes for lead and zinc. Indust. Hyg. Bull., 1938, 17: 492-4.—Munro, D. Industrial health research. J. R. San. Inst., 1938-39, 59: 717-26.—Simonson, E., & Dobrin, J. Physiologische und hygienische Untersuchungen im Dienste der Bestgestaltung der Arbeit im Walzwerk. Arbeitsphysiologie, 1932-33, 6: 449-527.—Stewart, D. Some practical aspects of industrial hygiene. Practitioner, Lond., 1936, 137: 334-42.—Teleky, L. [Aims and methods in industrial hygiene] Ugeskr. laeger, 1935, 97: 284-90. Also Wien. klin. Wschr., 1935, 48: 1031-6.—Weisbach, W. Die Statistik im Dienste der Gewerbehygiene. Opera Internat. Congr. Indust. Accid. (1928) 1929, 5. Congr., 520-7.

— Physician's relation.

Bristol, L. D. Industrial health and the general practitioner. N. York State J. M., 1941, 41: 2026-31.—Crosson, J. W. Industrial hygiene and the practicing physician. West Virginia M. J., 1941, 37: 145-9.—Fishbein, M. Industrial health and the general practitioner. Indust. M., 1940, 9: 631.—Guynn, L. Relationship between the Arizona Industrial Commission and Arizona medical profession. Southwest M., 1935, 19: 348-50.—Lahey, F. H. Physician's responsibility to industry. J. Indiana M. Ass., 1942, 35: 425.—Lockhart, L. P. Industrial problems from the standpoint of general practice. Brit. M. J., 1931, 2: 179-82.—McIlvaine, E. H. The general practitioner and industry. Pennsylvania M. J., 1932, 36: 843.—Massey, A. The position of the medical officer of health in relation to industrial hygiene. J. R. San. Inst., 1933, 53: 494-9.—Miles, J. N. The medical profession's relation to the industrial commission. Southwest J. M. & S., 1933, 17: 147.—Neal, P. A., & Bloomfield, J. J. Industrial hygiene; responsibility of the medical profession. J. Michigan M. Soc., 1941, 40: 32-6.—Peterson, C. M. Organized medicine and industrial health. Indust. M., 1940, 9: 376-84.—Industrial health and the practicing physician. J. Tennessee M. Ass., 1942, 35: 251-3.—Physician (The) and the official industrial hygiene agencies. J. Am. M. Ass., 1941, 116: 55.—Sawyer, W. A. Industrial health from the viewpoint of the physician. Indust. M., 1940, 9: 592-5.—Seeger, S. J. Industrial health and safety and the practicing physician. Proc. Occup. Dis. Sympos. (1938) 1939, 57-64.—Sleby, C. D. The physician's responsibility in industrial hygiene. Indust. M., 1938, 7: 519-22.—Townsend, J. G. Public health officer and physician must work together [industrial hygiene] J. Indiana M. Ass., 1942, 35: 403.—The rôle of the general practitioner in the present industrial hygiene program. Ibid., 603-8.—Wright, W. Industrial hygiene and the medical profession. Canad. M. Ass. J., 1929, 21: 373-6.

— Problems.

BLOOMFIELD, J. J., JOHNSON, W. S., & SAYERS, R. R. The potential problems of industrial hygiene in a typical industrial area in the United States. 35p. 8° Wash., 1934.

BLOOMFIELD, J. J., & PEYTON, M. F. Evaluation of the industrial hygiene problems of a State. 126p. 8° Wash., 1937.

BLOOMFIELD, J. J., TRASKA, V. M. [et al.] A preliminary survey of the industrial hygiene problem in the United States. 132p. 23cm. Wash., 1940.

IDAHO, U. S. A. DEPARTMENT OF PUBLIC WELFARE. DIVISION OF PUBLIC HEALTH. Evaluation of the industrial hygiene problem of the State of Idaho. 38p. 28cm. Boise, 1938.

VINTINNER, F. J. Evaluation of the industrial hygiene problems of New Hampshire. 133p. 23cm. Concord, 1938.

Bloomfield, J. J., & Johnson, W. S. Potential problems of industrial hygiene in a typical industrial area. *Am. J. Pub. Health*, 1935, 25: 415-24.—Drinker, P. Current needs in industrial hygiene research. *J. Am. M. Ass.*, 1941, 116: 1453.—Ehrismann, O. Neuere Fragen aus dem Gebiet der Arbeitshygiene. *Deut. med. Wschr.*, 1939, 65: 1090; passim.—Garland, T. O. The need of a broader conception of hygiene in industry. *J. R. San. Inst.*, 1939-40, 60: 364-72.—Kaplun, S. I. [Main problems of scientific work in industrial hygiene and pathology] *Gig. bezopas. pat. truda*, 1930, 8: 3-25.—Neal, P. A. Pertinent needs in industrial hygiene. *Tr. Conf. State Terr. Health Off.*, 1940, Spec., 90-102.—Need for an industrial health program in New Jersey. *Med. Care*, 1942, 2: 118-26.—Preliminary (A) survey of the industrial hygiene problem in the United States; a review. *Pub. Health Rep.*, Wash., 1940, 55: 2285.—Problemi e servizi dell'igiene industriale presso l'Ufficio Internazionale del Lavoro. *Rass. med. lavoro indust.*, 1930, 1: 105-17.—Problems of industrial hygiene. *Nature*, Lond., 1935, 136: 159.—Roemer, M. I. Background of current conflicts in industrial hygiene. *Indust. M.*, 1942, 11: 336.—Sayers, R. R. Industrial hygiene problems in the United States. *J. Am. M. Ass.*, 1936, 107: 1-3.—Shafer, D. M. Health problems of smaller industries. *Pub. Health News*, Trenton, 1940, 24: 40-4.—Sleeswijk, J. G. [Questions on industrial hygiene] *Tschr. sociale hyg.*, 1917, 19: 86-99.

INDUSTRIAL hygiene digest; pub. by Industrial Hygiene Foundation. Pittsb., v.7, No. 1, 1943—

INDUSTRIAL Hygiene Foundation of America. See Pittsburgh, Pa. Industrial Hygiene Foundation of America.

INDUSTRIAL medicine. Chic., v.1, 1932—

INDUSTRIAL medicine.

See also Industrial hygiene; Industrial physician; Industrial psychology; Industrial worker, Disease; Preventive medicine.

Agostini, C. Cenni di medicina del lavoro. *Ann. Osp. psichiat. Perugia*, 1928, 22: 115; 1929, 23: 93.—Besley, F. A. Medicine and surgery in industry. *Surg. Gyn. Obst.*, 1933, 56: 330-4.—Blaubaum, I. Industrial medicine. *Med. J. Australia*, 1921, 2: 481.—Bristol, L. D. Industrial medicine. In *Cyclop. Med.* (Piersol-Bortz) Phila., 1939, 7: 722-43. Also *J. M. Soc. N. Jersey*, 1942, 39: 506.—Clark, R. L. Industrial medicine. *Grace Hosp. Bull.*, Detr., 1921-22, 6: 11-5.—Clusellas, F. J. Medicina social del trabajo. *Sem. méd.*, B. Air., 1941, 48: pt 1, 462-75.—Coburn, C. O. Industrial medicine. *Tr. N. Hampshire M. Soc.*, 1918, 127: 85-100.—Dobbins, T. Industrial medicine. *Messenger*, 1942, 39: No. 2, 9-12.—Duvour, M., & Desoille, H. Médecin d'usine. In *Année méd. prat.*, Par., 1939, 18: 296-9.—Fairchild, D. S. The relation of medicine to the industries. *Railway Surg. J.*, Aviat. M., 1921, 27: 140-4.—Fulk, M. E. Medicine and industry. *J. Aviat. M.*, 1931, 2: 29-33.—Giese, F. Medizin und Psychologie in der Arbeitswissenschaft. *Psychol. & Med.*, Stuttg., 1928, 3: 115-22.—Hoghead, R. Medicine and industry. *West Virginia M. J.*, 1936, 32: 266-8.—Industrial medicine. *Brit. M. J.*, 1936, 2: 1148.—Jenkins, J. O. Industrial medicine. *Kentucky M. J.*, 1920, 18: 271-4.—Kenney, J. F. Industrial medicine. *Rhode Island M. J.*, 1925, 8: 203.—Landry, A. B. Industrial medicine. *Connecticut M. J.*, 1941, 5: 481-3.—Lane, R. E. Medicine in industry. *Brit. M. J.*, 1940, 2: 531-3.—Lemon, C. H. Social medicine in the industries. *Wisconsin M. J.*, 1917-18, 16: 453-9.—Markuson, K. E. Industrial medicine and industrial hygiene. *Indust. M.*, 1940, 9: 261-4.—Mayo, C. H. Industrial medicine. *Surg. J.*, 1927-29, 34: 239-41.—Medicina industrial, higiene del trabajo. *Bol. san.*, B. Air., 1938, 2: 191-4.—Medicine in industry. *J. Am. M. Ass.*, 1940, 114: 587.—Mock, H. E. Industrial medicine and surgery: the new specialty. *Ibid.*, 1917, 68: 1-4.—Moncrieff, A. Medicine and industry. *Canad.*

M. Ass. J., 1942, 46: 289.—Oliver, T. La médecine dans l'industrie. *Liège méd.*, 1928, 21: 1667-84.—Page, H. Medicine in industry. *Surg. Gyn. Obst.*, 1930, 50: 344-7.—Peterson, C. M. Medical relationships in industry. *J. Indiana M. Ass.*, 1941, 34: 180-2.—Rouche, H. Médecine du travail. *J. méd. Paris*, 1937, 57: 449.—Shinn, H. L. Industrial medicine. *U. S. Nav. M. Bull.*, 1935, 33: 250-60.—Simon, J. Industrial medicine. *Practitioner*, Lond., 1937, 137: 257-9.—Vitali, F. La medicina del lavoro. *Riv. venet. sc. med.*, 1912, 57: 474; 507.

— Bibliography.

UNITED STATES. NATIONAL INSTITUTE OF HEALTH. DIVISION OF INDUSTRIAL HYGIENE. Publications by the Division of Industrial Hygiene, National Institute of Health and other Public Health Service publications on industrial subjects. 74p. 27cm. [Wash.] 1942.

Koelsch, F. Gewerbliche Medizin. *Jahrkurs. ärztl. Fortbild.*, 1922, 13: H. 9, 13-28. — Eine gewerbehygienische Inkunabel. *Zbl. Gewerbehyg.*, 1927, n. F., 4: 174. — Arbeitsmedizin; Rundschau über internationale Schrifttum des letzten Jahres. *Jahrkurs. ärztl. Fortbild.*, 1936, 27: H. 9, 16-44.—Nomenclature in industrial health. *J. Am. M. Ass.*, 1938, 111: 2117.—Obras sobre higiene industrial. *Bol. Of. san. panamer.*, 1942, 21: 294.—Page, R. M. Measuring human energy cost in industry; a general guide to the literature. *Genet. Psychol. Monogr.*, 1932, 11: 321-534.—Pellegri, R. La produzione scientifica italiana dell'anno XVII nel campo della medicina infortunistica. *Assist. sociale*, Roma, 1940, 14: Suppl. No. 4, 1-66.—Pinto, S. S., & Bowditch, M. Industrial hygiene. *N. England J. M.*, 1941, 225: 949-52.

— Clinics and hospitals.

See also subheading Institutes.

Baader, E. Die erste deutsche Krankenhausabteilung für Gewerbekranke. *Deut. Zschr. öff. Gesundheitsh.*, 1925-26, 2: 29-32. — Tätigkeitsbericht der Abteilung für Gewerbekrankheiten des Kaiserin Auguste-Viktoria-Krankenhauses in Berlin-Lichtenberg. *Zbl. Gewerbehyg.*, 1927, n. F., 4: 385-93.—Birmingham (The) Accident Hospital. *Brit. M. J.*, 1942, 1: 231.—Burnell, M. Adequate health service assured by new AC Industrial Hospital, Flint, Mich. In *Hosp. Admin. & Org. (Hosp. Management)* Chic., 1942, 30.—Coffey, W. B. Our general hospital. *Pacific Coast M.*, 1935, 2: 7-10.—D., L. La clinica delle malattie professionali di Milano; sua azione scientifica e sociale. *Med. lavoro*, 1933, 24: 81-104.—Devoto, L. La clinica delle malattie professionali di Milano; sua azione scientifica e sociale. *Clin. med. ital.*, 1908, 47: 173-96. Also *Corriere san.*, 1908, 19: 225-35. Also Tommasi, 1908, 3: 313; 338. — Una clinica per le malattie del lavoro e suoi rapporti colla inferiorità fisica delle classi lavoratrici. *Lavoro*, 1911, 4: 2; 18. — A travers deux congrès internationaux de Bruxelles 1910 et 1935; la clinique du travail de Milan. *Med. lavoro*, 1935, 26: 385-94.—Ferrari, R. Die Mailänder Klinik für Berufskrankheiten. *Deut. med. Wschr.*, 1936, 62: 73.—Forrester, C. R. G. The industrial hospital. *Am. J. Surg.*, 1942, 56: 525.—Hospital for treatment of industrial injuries. *J. Am. M. Ass.*, 1942, 119: 576.—Kötzing, K. Aus der Tätigkeit der Abteilung für Berufskrankheiten am Städtischen Krankenhause Ludwigshafen a. Rh. *Zbl. Gewerbehyg.*, 1931, n. F., 8: 226-30. — Aufgaben und Bedeutung einer klinischen Station für gewerbliche Berufskrankheiten. *Arbeiterschutz*, 1934, 129-31.—Kronenberg, M. H. The occupational disease clinic. *J. Am. M. Ass.*, 1942, 118: 648.—Mock, H. E. Night clinic on industrial medicine and surgery at Rush Medical College. *Interstate M. J.*, 1917, 24: 300.—Quarelli, G. Seguardo generale sulla clinica delle malattie professionali. *Gior. med. mil.*, 1934, 82: 981-94. Also *Rass. med. lavoro indust.*, 1934, 5: 272-87.—Some industrial medical units. *Hosp. Topics*, 1942, 20: No. 3, 12-4.—Thompson, W. G. The relation of the hospital and dispensary to occupational diseases. *Am. J. Pub. Health*, 1916, 6: 982-6.

— Committees and councils.

Cazeneuve, P. Sur la IV^e réunion de la Commission internationale permanente pour l'étude des maladies professionnelles. *Ann. hyg.*, Par., 1929, n. ser., 7: 264-73.—Donoghue, F. D. Report of Medical Committee. *Bull. U. S. Dep. Lab. Div. Lab. Standards*, 1935, No. 2, 22.—Fort, J. I. Objectives of the Committee on Industrial Injuries and Occupational Diseases. *J. M. Soc. N. Jersey*, 1938, 35: 676.—Henderson, C. R. State commissions on occupational diseases. *Tr. Internat. Congr. Hyg. Demogr.* (1912) 1913, 15. Congr., 3: 920-7.—Lanza, A. J. Report of the medical committee. *Proc. Indust. Hyg. Found. America*, 1941, 6. Meet., 35.

— Congresses, expositions, and symposia.

AMERICAN ACADEMY OF MEDICINE. Industrial medicine; being the papers and discussions on The Practice of Medicine and the Industries presented at the 29. annual meeting of the American Academy of Medicine, held at Atlantic City, June 20, 1914. 185p. 8° Easton, 1915.

INTERNATIONAL CONGRESS FOR INDUSTRIAL ACCIDENTS AND OCCUPATIONAL DISEASE. 5. Congr., Budapest, Sept. 2-8, 1928. Opera collecta. 732p. 24½cm. Budap., 1929.

NORTHWESTERN UNIVERSITY. MEDICAL SCHOOL. DEPARTMENT OF INDUSTRIAL MEDICINE. Occupational disease symposium; proceedings. Chic., v.1 (1937) 1938—

RICHMOND, VA. MEDICAL COLLEGE OF VIRGINIA. Symposium on industrial health. Richmond, 1940—

SPAZUTTI, A. Per l'igiene e beneficenza della provincia di terra di lavoro; osservazioni e proposte; in occasione della esposizione e Congresso igienico di Parigi del 1878. 31p. 22½cm. Caserta, 1879.

TELEKY, L. Bericht über die I. Internationale Tagung der Gewerbeärzte, Düsseldorf, den 15. und 16. September 1926. 88p. 8° Berl., 1927.

American Conference on Industrial Health. Arch. Int. M., 1941, 68: 846.—Annual (1.) Congress on Industrial Health. J. Am. M. Ass., 1939, 112: 241; 113: 2064.—Annual (3.) Congress on Industrial Health. Ibid., 1940, 115: 1804; 1813.—Annual (5.) Congress on Industrial Health. Ibid., 1942, 120: 1128; 1145.—Bonanni, C. C. XIII^e Congrès italien de médecine du travail; Bari, 10-12 septembre 1938. Arch. mal. profess., Par., 1939, 2: 56-9.—Bosio, B. Breves consideraciones sobre los propósitos del primer Congreso de sociología y medicina del trabajo. Sem. méd., B. Air., 1939, 46: pt 2, 1337-9.—Caccuri, S. Congresso (VII) internazionale per le malattie e gli infortuni sul lavoro. Riforma med., 1935, 51: 1329-33.—Congresso (VIII) internazionale per gli infortuni e le malattie professionali. Ibid., 1938, 54: 1650-2.—Castro, R. de. Informe de la misión cumplida en Europa. An. Acad. cienc. méd. Habana, 1925-26, 62: 398-403.—Congrès (Le II^e) international des maladies professionnelles, Bruxelles, septembre 1910. Mouvement hyg., Brux., 1910, 26: 333-7.—Congrès (VII^e) international des accidents et maladies du travail; section des accidents du travail. Paris méd., 1935, 98: annexe, 228; 240.—Congreso (7.) internacional de accidentes y enfermedades del trabajo. Siglo méd., 1935, 95: 331.—Congreso (I) nacional de higiene y medicina del trabajo. Labor méd., Méx., 1936, 4: 117-20.—Congress on industrial health. Month. Labor Rev., 1939, 43: 595.—Congress on Industrial Health to meet January 12-13. J. Oklahoma M. Ass., 1941, 34: 545.—Congresso (13.) di medicina del lavoro, Bari, 10-12 settembre 1938. Difesa sociale, 1938, 17: 863-79.—Congresso (VII) internazionale degli infortuni e delle malattie del lavoro. Med. lavoro, 1935, 26: 161.—Convegno sanitario della mutualità dell'industria. Assist. sociale, Roma, 1937, 11: 762-78.—D'Alessandria, P. Quattro riunioni della Commissione internazionale per le malattie professionali. Rass. previd. sociale, 1929, 16: 27-39.—Dhers, V. Le Congrès de Lyon sur les maladies professionnelles. Ann. hyg., Par., 1929, n. ser., 7: 341-67.—Fioretti, E. Congresso (VII) internazionale per gli infortuni e le malattie professionali, Frankfurt, 1928. Assist. sociale, Roma, 1938, 12: 1017-40.—Health of industrial workers Peoria conference. Indust. M., 1942, 11: 518-20.—Industrial health; report of a joint session between the Subcommittee on Industrial Health and Medicine, Federal Security Agency, and the Council on Industrial Health, American Medical Association. J. Am. M. Ass., 1942, 118: 1228.—Industrial Physician's Convention, Cincinnati, Apr. 13-17, 1942. Illinois M. J., 1942, 81: 88.—Industrial (The) physicians and surgeons; still more of the papers and discussions, at the 23. annual meeting of the American Association of Industrial Physicians and Surgeons, and 2. Midwest Conference on Occupational Diseases, Chicago, June 6, 7, 8 and 9, 1938. Indust. M., 1938, 7: 550.—Institute of Industrial Medicine and Industrial Hygiene. May 5, 6, 7, 8, and 9, 1941, Pittsburgh, Pa. Pennsylvania M. J., 1940-41, 44: 911-3.—International (7.) Congress on Occupational Diseases, Brussels. J. Am. M. Ass., 1936, 106: 1675.—International (1.) Congress of Industrial Medicine. Ibid., 1937, 109: 722.—Internationaler (8.) Kongress für Unfallmedizin und Berufskrankheiten, Frankfurt a. M., 26. bis 30. Sept. 1938. Wien. med. Wschr., 1938, 88: 842. Also Zbl. Gewerbehyg., 1938, n. F., 15: 257-60.—Journées internationales de traumatologie et des maladies professionnelles, Liège, 25, 26 et 27 juin, 1939. Bruxelles méd., 1939-40, 20: Spec. No., 82.—Meeting of industrial dentists called for February 22, 1943. J. Am. Dent. Ass., 1943, 30: 143; 313.—Midwest conference: Occupational diseases (Abstracts of papers delivered at Detroit, May 3-5, 1937) Indust. M., 1937, 6: 243-54.—Monti, A. Il Congresso Internazionale di Bruxelles per lo studio delle malattie del lavoro. Ramazzini, 1911, 5: 103-15.—Morales y García, J. F. Sexto Congreso médico-latino-americano; higiene industrial. San. y benefic., Habana, 1923, 28: 445-57.—Mosso, P. Pflege der Arbeitshygiene in Italien. Med. Klin., Berl., 1940, 36: 150 (microfilm).—Müller, L. Siebter internationaler Kongress für Unfallmedizin und Berufskrankheiten (Brüssel 22-26. Juli 1935) Praxis, Bern, 1935, 24: 555-60.—Muntsch, O. Bericht über den VII. Internationalen Kongress für Arbeitsmedizin und Berufs-

krankheiten, Brüssel, Juli 1935. Med. Welt, 1935, 9: 1226.—National Safety Congress and Exposition. Am. J. Nurs., 1942, 42: 1462.—Occupational disease symposium. Indust. M., 1937, 6: 550-3.—Osborn, S. H. Report of Industrial Hygiene Committee. Proc. Conf. Health Author. N. America, 1940, 55. Meet., 71-88.—Paz Soldán, Lorente, S., & Caravedo, B. Perú: higiene industrial; 8. Conferencia sanitaria panamericana. Bol. Of. san. panamer., 1928, 7: 184.—Pool, E. H. Trauma; occupational diseases and hazards, October 19 to 31, 1936. Bull. N. York Acad. M., 1936, 12: 593-6.—Preliminary arrangements for 99th anniversary meeting of State Medical Society, Milwaukee, September 18, 19 and 20, announced; industrial health featured. Wisconsin M. J., 1940, 39: 548.—Price, G. M. Industrial hygiene abroad and the Hygienic Exposition at Düsseldorf. Am. J. Pub. Health, 1926, 16: 1202-4.—Proceedings of the Industrial Hygiene Section, American Public Health Association, Pittsburgh, Pennsylvania, October 17-20, 1939. Indust. M., 1939, 8: 497-506.—Rodríguez Rey, O. Breves consideraciones sobre los propósitos del primer Congreso de sociología y medicina del trabajo. Sem. méd., B. Air., 1940, 47: pt 1, 49.—Salvini, C. Congresso (XI) nazionale di medicina del lavoro, Torino, 29-31 ottobre 1934. Gior. med. mil., 1934, 72: 1192-8.—Sappington, C. O. Industrial hygiene meetings; abstracts of papers in the Industrial Hygiene Section, 67th annual meeting, American Public Health Association, Kansas City, Mo., October 25-28, 1938. Indust. M., 1938, 7: 723-9.—Industrial health congress; abstracts of papers delivered at the first annual congress on industrial health of the A. M. A., Chicago, January 9-10, 1939. Ibid., 1939, 8: 64-73.—Industrial hygiene; abstracts of papers presented at 69. meeting, American Public Health Association, Detroit, October 7-11, 1940. Ibid., 1941, 10: 17-26.—Industrial health; symposium on industrial health held at the Medical College of Virginia, Richmond, Virginia, on September 11 and 12, 1941. Ibid., 537-12.—Seeger, S. J., Sawyer, W. A. [et al.] Annual Congress on Industrial Health. J. Am. M. Ass., 1942, 118: 641-53.—Shoudy, L. A., Everts, G. S. [et al.] Roundtable Conference on Industrial Medicine. Pennsylvania M. J., 1940-41, 44: 825-37.—Symposium of industrial diseases; joint session with the American Medical Association. Am. Labor Legisl. Rev., 1912, 2: 183-252.—Teleky, L. Der erste internationale Kongress für Gewerbekrankheiten. Zschr. soziale Med., 1906, 1: 314-60.—Topa, P. [International (7th) Congress of Industrial Accidents and Diseases in Bruxelles] România med., 1935, 13: 219.—Vigliani, E. Il VII Congresso internazionale degli infortuni e malattie del lavoro a Bruxelles. Rass. med. lavoro indust., 1935, 6: 267-75.—Walls, R. M., & Dollar, M. L. A meeting of industrial dentists. J. Am. Dent. Ass., 1942, 29: 1286.

Essays.

DEVOTO, L. Medicina del lavoro; conferenze, lezioni, scritti, pubblicati degli amici della clinica del lavoro. 417p. 8° Milano, 1935.

Agostini, C. Cenni di medicina del lavoro. Ann. Osp. psichiat. Perugia, 1928, 22: 115.—Allan, J. W. On the need for a progressive study of industrial diseases. Tr. Med. Chir. Soc. Glasgow, 1905-7, 6: 263-77. Also Glasgow M. J., 1907, 67: 97-109; 153. Also Chicago M. Times, 1907, 40: 641-9.—Andrews, C. A. Medicine as related to workers and production. Nation's Health, Chic., 1921, 3: 503.—Bashford, H. H. The contribution of industry to medicine. Proc. R. Soc. M., Lond., 1937-38, 31: 185-92.—Becker, M. E. The rôle of industrial medicine in a public health program. J. Am. Inst. Homeop., 1940, 33: 488-91.—Bloomfield, J. J. Influence on war on industrial medicine. War Med., Chic., 1942, 2: 561-70.—Bridge, J. C., Hird, B. [et al.] A week-end of industrial medicine. Lancet, Lond., 1941, 1: 581.—Burlingame, C. C. The art, not the science, of industrial medicine. J. Indust. Hyg., 1920-21, 2: 368-73.—Clark, W. I., Jr. Industrial medicine and public health. N. England J. M., 1930, 202: 1187-94.—Collis, E. L., & Goadby, K. Importance of industrial medicine to the community. Lancet, Lond., 1921, 2: 487-91.—Cutter, I. S. Introductory remarks. Proc. Occup. Dis. Sympos. (1938) 1939, 1.—Dobbie-Bateman, M. L. The purpose and practice of industrial medicine. J. R. San. Inst., 1930, 51: 222-8.—Drinker, C. K., & Drinker, K. R. The economic aspects of industrial medicine. J. Indust. Hyg., 1920-21, 2: 53-65.—Duvour, M. Le changement de profession en accident du travail et en maladie professionnelle. Ann. méd. lég., 1938, 18: 390-99.—Dyktor, H. G. Integration of industrial hygiene with industrial medicine. Indust. M., 1940, 9: 193-6.—Edsall, D. L. The relation of industry to general medicine. Boston M. & S. J., 1914, 171: 659-62 [Discussion] 672-4.—Frank, L. W. Industrial medicine from the standpoint of the internist. Rocky Mountain M. J., 1940, 37: 502-7.—Fulton, W. J. Medicine; the guide and measure of safety. Indust. M., 1938, 7: 500-10.—Gehrmann, G. H. Industrial medicine as a specialty and its relation to general practice. Ann. Int. M., 1940-41, 14: 621-7.—Giuffrè, L. La medicina sociale e le malattie del lavoro. Gazz. sicil. med., 1906, 5: 517-24.—Goldblatt, M. W., Chiesman [et al.] Aims of industrial medicine. Brit. M. J., 1941, 2: 745.—Hazlett, T. L. Industrial medicine; facts of interest to the employer and the physician. Pittsburgh M. Bull., 1942, 31: 792; 815.—Hoffman, F. L. Some theoretical and practical aspects of industrial medicine. Tr. Coll. Physicians Philadelphia, 1917, 39: 421; 436.—Industrial medicine and social hygiene. Med. Times, N. Y.,

1940, 68: 569-72.—**Industrial medicine in wartime.** Ther. Notes, Det., 1942, 49: 35-40.—**Johnstone, R. T.** Industrial medicine's challenge to the internist. J. Am. M. Ass., 1938, 111: 1741-4.—**Kemble, J.** Doctors and tradesmen. In his *Idols & Invalids*, Lond., 1935, 191-203.—**Kessler, H. H.** Social significance of industrial medicine. Am. J. Pub. Health, 1936, 26: 158-64.—**Kettering, C. F.** Unfinished business. Indust. M., 1940, 9: 69-72.—**Koelsch, F.** Aerztliche Erläuterungen. In his *Meldepflicht, Berufskrankh.*, Münch., 1926, 30-42.—**Legge, R. T.** Industrial medicine of tomorrow: chairman's address. J. Am. M. Ass., 1938, 111: 291-3.—**Leven, A. S.** The national defense and health program and its relation to industrial medicine. Nat. Elect. M. Ass. Q., 1941-42, 33: No. 2, 29-34.—**Whither industrial medicine?** observations on certain economic and social factors. Indust. M., 1942, 11: 58-61.—**Little, R. M.** Industrial medicine and surgery an integral part of industry. N. York M. J., 1919, 110: 1022-4.—**Lockhart, L. P.** Industrial medicine in relation to public health. J. R. San. Inst., 1930-31, 51: 501-9.—**Lowe, D. B.** A discussion of industrial medicine. Ohio M. J., 1932, 28: 781.—**McCord, C. P.** The economics of industrial medicine. J. Am. M. Ass., 1932, 98: 1237-41.—**Occupational diseases; medicine's unclaimed province.** Surg. Gyn. Obst., 1933, 56: 547-50.—**McCurdy, S.** Hindsight and foresight. Ohio M. J., 1939, 35: 543-5.—**Maugeri, S.** Attualità della medicina del lavoro. Rass. med. indust., 1941, 12: 285-97 (microfilm).—**Médecine (La) du travail dans l'industrie.** Arch. mal. profess., Par., 1939-40, 2: 617-21.—**Morrison, J. C.** Industrial medicine; bulwark of war production. Med. Econom., 1941-42, 19: No. 6, 45; 112.—**Müller, E.** Le rôle de la science dans l'industrie. Schweiz. med. Wschr., 1940, 70: 558.—**Mummery, N. H.** Some aspects of industrial medicine. Proc. R. Soc. M., Lond., 1932, 25: 679-86.—**Peterson, C. M.** Medical relationships in industry. J. Tennessee M. Ass., 1941, 34: 378-81.—**Place of medicine in industry.** J. Am. M. Ass., 1940, 115: 1277.—**Preli, L.** Medicina del lavoro e Carta del Lavoro. Med. lavoro, 1935, 26: 417-26.—**Roberts, C. W.** Modern concepts in industrial medicine. J. M. Ass. Georgia, 1939, 28: 167.—**Sayers, R. R.** Present status of disease in industry. Indust. M., 1938, 7: 486.—**Seeger, S. J.** The role of industrial medicine in medical preparedness. J. Am. M. Ass., 1941, 117: 182-4.—**Swope, S. D.** La creciente importancia de la medicina industrial en el hemisferio occidental. Actas Congr. As. méd. panamer. (1928-29) 1930, 1. Congr., 141-8.—**Winslow, C. E. A.** Industry in medicine. Am. J. Pub. Health, 1933, 23: 450-8.—**Woody, Mcl.** President's address. Indust. M., 1940, 9: 349-51.—**Industrial medicine as a specialty.** Ibid., 510-3.—**Wyatt, B. L.** Industrial medicine: its motives and merits. Canad. M. Ass. J., 1923, 13: 660-3.

History.

LING, T. M. Recent advances in industrial hygiene and medicine. 212p. 8°. Phila., 1937.
RAMAZZINI, B. De morbis artificum diatriba, cum supplemento; ed. by C. F. Mayer. 228p. 16°. Budap., 1928.

— Diseases of tradesmen; together with biographical notes translated from the French of C. F. Mayer (1928) ... With which is bound: Silk handlers' disease of the skin, by Herman Goodman. 95p. 8°. N. Y. [1933]

— Le malattie dei lavoratori. Ital. transl. by O. Rossi. 147 (i. e. 292)p. 25cm. Tor., 1933.

— De morbis artificum Bernardini Ramazzini diatriba; diseases of workers. The Latin text of 1713 rev., with transl. and notes, by W. C. Wright. 549p. 24cm. Chic., 1940.

Armstrong, D. B. The Framingham health demonstration and industrial medicine. J. Indust. Hyg., 1921, 3: 183-6.—**Blue book of industry:** the remarkable development of an adventure in ideals. Indust. M., 1938, 7: 131-42.—**Bridge, J. C.** A pioneer of industrial medicine. Arch. Gewerbepath., 1936, 7: 431-6.—**Carrozzì, J.** Enfermedades profesionales (historia) Med. trabajo, 1931, 2: 31; 283; 386.—**Clark, W. I., jr.** Industrial medicine in 1922. J. Indust. Hyg., 1922-23, 8: 474-8.—**Industrial medicine (report on medical progress)** N. England J. M., 1939, 221: 269-73.—**Collier, H. E.** Industrial medicine; its present state and future prospects. Brit. J. Phys. M., 1942, 5: 107-10.—**Commons, J. R.** Government study of occupational diseases. Tr. Internat. Congr. Hyg. Demogr. (1912) 1913, 15. Congr., 3: 928-33.—**Delfino, V.** Una disciplina italiana; la medicina del trabajo. Prensa méd. argent., 1940, 27: pt 1, 194-8.—**Farnum, C. G.** Modern industrial medicine. J. Am. M. Ass., 1918, 71: 336.—**Fishbein, M.** The future of industrial medicine. Proc. Occup. Dis. Sympos. (1937) 1938, 82-6.—**Geier, O. P.** The future of industrial medicine in a labor policy. Ohio M. J., 1921, 17: 386-9.—**Giglioli, G. Y.** Dalle malattie degli artefici alla patologia del lavoro. Ramazzini, 1907, 1: 45-61.—**Goldwater, L. J.** From Hippocrates to Ramazzini: early history of industrial medicine. Ann. M. Hist., 1936, 8: 27-35.—**Goodman, H.** Of the diseases of learned men, by Bernardino Ramazzini (1633-1714) Am. Med., 1935, 41: 573-6.—**Holtzmann.** Neue Erkenntnisse der Gewerbemedizin und Gewerbe-Hygiene, 1938. Hippocrates, Stuttg., 1939, 10: 421-5.—**Industrial medicine in flux.** Lancet, Lond., 1935, 2: 377.—**Industrial medicine in 1934.** Indust. M., 1935, 4: 428-34.—**Izar, G.** Medicina del lavoro disciplina italica. Riv. san. sicil., 1932, 20: 593-605.—**Kemble, J.** Occupational diseases; a historical note. Proc. R. Soc. M., Lond., 1933, 26: Sect. Hist. M., 1117-20.—**Khaum, A.** Arbeitsmedizin und Volksgesundheit in den Vereinigten Staaten von Nordamerika. Zbl. Gewerbehyg., 1932, n. F., 9: 161.—**Kiper, C.** Industrial medicine and hygiene in Turkey. Indust. M., 1942, 11: 520.—**Knudsen (The)** award. Ibid., 1938, 7: 517.—**Kuh, C.** Industrial medicine of tomorrow. Connecticut M. J., 1940, 4: 94.—**Langelez, A.** Ueberblick über die Arbeitsmedizin in Belgien. Ber. Internat. Kongr. ärztl. Fortbild. (1937) 1938, 3. Kongr., 399-401.—**Lanza, A. J.** Medical developments and trends. Indust. M., 1942, 11: 21.—**Legge, R. T.** The history of industrial medicine. Ibid., 1933, 2: 333-40.—**Modern industrial medicine.** Ibid., 1934, 3: 143-6.—**The history of industrial medicine and occupational diseases.** Ibid., 1936, 5: 300; 371; 420; 513; 569; 633; 1937, 6: 34; 97.—**Bottlenecks and progress in industrial medicine.** Ibid., 1942, 11: 530.—**Lind, G.** [Industrial medicine and industrial hygiene in Germany] Ugeskr. laeger, 1936, 98: 355-9.—**Ling, T. M.** History of industrial medicine. Med. Press & Circ., Lond., 1938, 197: Suppl., 1-3.—**Lockhart, L. P.** Medicine's contribution to industry. Ibid., Suppl., 3-5.—**McCombe, J.** Three phases of medical endeavor as its relates to mercantile and industrial medicine. Internat. J. M. & S., 1933, 46: 336-9.—**Mallette, F. S., & Meller, H. B.** Trends in occupational disease and industrial hygiene. Indust. M., 1941, 10: 466-8.—**Mock, H. E.** Industrial medicine and surgery; a résumé of its development and scope. J. Indust. Hyg., 1919, 1: 1-8; 251.—**Occupational disorders in the 18th century.** Lancet, Lond., 1941, 1: 233.—**Pach, H.** Gewerbe-Pathologisches aus Ungarn. Wien. klin. Wschr., 1914, 27: 1028.—**Piccinini, P.** La premiazione dei vincitori del concorso sulle malattie del lavoro. Italia san., 1909, 5: 97.—**Osservazioni anatomico-patologiche di G. B. Morgagni riferentisi a malattie professionali.** Atti Soc. lombard. sc. med., 1922-23, 12: 151-60.—**Quarelli, G.** Sintesi di storia delle malattie professionali. Gior. med. mil., 1934, 82: 401-8. Also Med. lavoro, 1934, 25: 139-46.—**Recent studies of industrial diseases and poisons.** In Handb. Lab. Statist. (Parker, F. E.) Wash., 1936, 331-56.—**Roche, H.** Arrest de la cour de parlement du 20 mars 1728 en faveur du libre choix du médecin par les blessés. Bull. Soc. fr. hist. méd., 1914, 13: 127-33.—**Rosen, G.** On the historical investigation of occupational diseases. Bull. Inst. Hist. M., Balt., 1937, 5: 941-6.—**Sand, R.** Industrial medical reconstruction in Belgium. In: Nelson Loose-Leaf Med., Oxf., 1920, 7: 526-56.—**Sappington, C. O.** The occupational disease situation. Indust. M., 1937, 6: 85.—**Selby, C. D.** The trends of industrial medicine, with particular reference to the prevention of occupational diseases. Ibid., 1936, 5: 489-93.—**New medical opportunities in national defense industries.** N. York State J. M., 1941, 41: 2023-6.—**Semizzi, R.** Storia della medicina e medicina del lavoro. Med. sociale, Nap., 1934, 24: No. 3, 13; passim.—**Sigerist, H. E.** Historical background of industrial and occupational diseases. Bull. N. York Acad. M., 1936, 12: 597-609. Also Centaur, Menasha, 1941, 46: 309-15.—**Vaccaro, L.** History of industrial medicine and the compensation laws. Hahneman. Month., 1941, 76: 474-89. Also Week. Roster, Phila., 1941-42, 37: 71; passim.—**Venable, C. S.** The industrial value of medicine in San Antonio. Texas J. M., 1933, 29: 462-4.—**Whittaker, A. H.** Milestones in industrial medicine; acts and laws of His Majesty's Province of the Massachusetts-Bay in New England. Indust. M., 1941, 10: 532-5.—**& Sobin, D. J.** Historical milestones in occupational medicine and surgery. Ibid., 203-5.—**Zwanck, A.** Gewerbemedizin in Argentinien. Ber. Internat. Kongr. ärztl. Fortbild. (1937) 1938, 3. Kongr., 404-7.

Institutes and laboratories.

See also subheading Clinics and hospitals; also **Industrial hygiene, Institutes.**

Clinical (The) Institute for the Study of Diseases of Occupation. Milan. Brit. M. J., 1910, 1: 1062.—**Dvorkin, A. M.** [V. A. Obukh central institute for occupational hygiene and industrial diseases] Gig. san., Moskva, 1940, 5: No. 12, 7-11.—**Fitz, F.** Northwestern University Medical School Department of Industrial Medicine. Indust. M., 1938, 7: 576.—**Hausser, G.** Le fonctionnement et le rôle de l'Institut d'étude et de prévention des maladies professionnelles de Paris. Arch. méd. sociale, Brux., 1939, 2: 768-75.—**Holstein.** Das Universitätsinstitut für Berufskrankheiten in Berlin. Deut. med. Wschr., 1934, 60: 1144.—**Lederer, E.** Ueber die Notwendigkeit von Verwaltungssektionen für die Arbeitsmedizin. Zbl. Gewerbehyg., 1929, n. F., 6: 72-8.—**Ohio.** Bureau of occupational diseases. Ohio Health News, 1937, 13: No. 1, 3.—**Schwarz, F.** Das Institut zur Erforschung und Verhütung von Berufskrankheiten in Paris. Schweiz. med. Wschr., 1938, 68: 433.—**Vigliani, G. A.** Gli istituti di medicina industriale. Rass. med. lavoro indust., 1937, 8: 361-75.

Instruction.

PISA, ITALY. UNIVERSITÀ. SCUOLA DI PERFEZIONAMENTO IN MEDICINA DEL LAVORO. Conferenze. Pisa (1934/35) 1935—

Allan, J. W. Lectureships on trade diseases. Tr. Med. Chir. Soc. Glasgow, 1902, 3: 129-35.—Baader, E. W. Aus- und Fortbildungsmöglichkeiten in der Gewerbemedizin in Deutschland. Zbl. Gewerbhyg., 1937, n. F., 14: 273-7.

Facilities for undergraduate and postgraduate study in industrial medicine in Germany. Ber. Internat. Kongr. ärztl. Fortbild. (1937) 1938, 3. Kongr., 376.—Balthazard, V. Etude et enseignement des maladies professionnelles. Arch. mal. profess., Par., 1938, 1: 3-6.—Bernard, P. L'enseignement de la médecine du travail à l'étranger. Ibid., 131-4.—Bogolepov, L. S. [Industrial medicine and its study in Soviet Russia] Centr. med. J., Moskva, 1929, 3: 221-32.—Collier, H. E. Education of medical practitioners for industry. Brit. M. J., 1936, 2: Suppl., 314.—Cotutiu, C. [Occupational diseases as obligatory study in medical education] Cluj. med., 1934, 15: 271-3.—Crawford, A. H. Postgraduate course in industrial medicine at the Long Island College of Medicine. Science, 1942, 96: 353.—De Laet, M. La physiopathologie du travail dans l'enseignement universitaire. Bruxelles méd., 1930-31, 11: 225-34.—Devoto, L. L'insegnamento della medicina del lavoro in Italia. In Festschr. H. Zangger, Zür., 1935, 1: 139-43.—Duvour, M. L'enseignement de la médecine du travail en France. Ber. Internat. Kongr. ärztl. Fortbild. (1937) 1938, 3. Kongr., 363-7. Also Aerzt. Sachverst. Ztg., 1938, 44: 57-60.—Fabre, R., & Duvour, M. L'enseignement de la médecine du travail et de la toxicologie industrielle à la Faculté de Médecine de Paris. Paris méd., 1934, 93: 381-5.—Gelman, I. G. [Study of industrial diseases] Profess. pat. gig., 1929, 30-5.—Gerbis, Teley [et al.] Der Unterricht in Gewerbhygiene und über Gewerbkrankheiten; Entgegnung der Deutschen Gesellschaft für Gewerbhygiene zu der Abhandlung von Dr. Ludwig Teley. Münch. med. Wschr., 1926, 73: 695-7.—Golubovsky, I. E., & Goldzorsky, A. [Methods of clinical instructions with special regard to industrial factors] Klin. med., Moskva, 1932, 10: 26.—Hazlett, T. L. Instruction in industrial medicine for medical students. Indust. M., 1942, 11: 115. Also J. Ass. Am. M. Coll., 1942, 17: 65-8 [Discussion] 75-9.—Holstein, E. Gewerbemedizinische und technologische Studien in Italien. Arbeiterschutz, 1935, 89-93.—Johnstone, R. T. The teaching of the occupational diseases. J. Am. M. Ass., 1940, 114: 546.—Kalmus. Die Notwendigkeit der Ausgestaltung des Unterrichtes in Gewerbhygiene und Unfallverhütung an den Hochschulen. Opera Internat. Congr. Indust. Acid. (1928) 1929, 5. Congr., 619-24.—Kaplan. Der Unterricht von Gewerbhygiene und Gewerbepathologie an medizinischen Hochschulen. Ibid., 624-7.—Arbeitshygiene (Arbeitsmedizin) als Unterrichtsfach nach den Erfahrungen der UdSSR. Arch. Gewerbepath., 1930, 1: 415-35.—Koelsch. Möglichkeiten der Gestaltung der ärztlichen Ausbildung auf dem Gebiete der Arbeitsmedizin. Ibid., 303-16.—Legge, T. Teaching of industrial medicine. Lancet, Lond., 1927, 1: 1115-7.—Lyon, W. F. Industrial experience in the internship. J. Am. M. Ass., 1942, 118: 648.—Organisation (L) du travail; l'enseignement de la pathologie du travail; la législation. Rev. Serv. san. mil., Par., 1937, 107: 635-40.—Middleton. Facilities for undergraduate and postgraduate study in industrial medicine in England. Ber. Internat. Kongr. ärztl. Fortbild. (1937) 1938, 3. Kongr., 378-81.—Peterson, C. M. The present status of industrial medical education. Proc. Occup. Dis. Sympos. (1938) 1939, 1-13.—Proluzione (La) del professore Mangeri al corso di medicina del lavoro. Minerva med., Tor., 1941, 32: varia, pt 1, 212 (microfilm).—Quarelli, G. Compiti e limiti dell'insegnamento clinico e doveri del medico nei rapporti colla nuova legge dell'assicurazione obbligatoria contro le malattie professionali. Rass. med. lavoro indust., 1930, 1: 60-6.—Review in industrial medicine; Harvard School of Public Health. Indust. M., 1940, 9: 196.—Secondo (Il) corso di infortunistica e malattie del lavoro. R. Università di Padova, 10-20 giugno 1937. Assist. sociale, 1937, 11: 557-60.—Sprague, L. W. Uses of motion pictures in industrial diseases. Mod. Med., Chic., 1919, 1: 496-8.—Study (A) of industrial diseases. Med. Times, N. Y., 1912, 40: 137-40.—Teley, L. Der Unterricht in Gewerbhygiene und über Gewerbkrankheiten. Münch. med. Wschr., 1926, 74: 252-4; 955. Also Zschr. Gewerbhyg., 1926, 32: 182-4.—Training program for physicians in industry [Michigan] J. Am. M. Ass., 1942, 120: 851.—Traylor, G. A. Is revision of the medical curriculum needed to meet the demands of industry? South. M. J., 1939, 32: 80-2.—Urbánek, J. [Lecture on industrial diseases and injuries given by the Society of Czechoslovakian Physicians in Praha, October 20, 1933] Cas. lék. česk., 1934, 73: 425-7.—Vigliani, E. C. Die heutigen Ausbildungs- und Fortbildungsmöglichkeiten in Italien auf dem Gebiete der Arbeitsmedizin. Ber. Internat. Kongr. ärztl. Fortbild. (1937) 1938, 3. Kongr., 390.—Wampler, F. J. The industrial clinical clerkship. J. Am. M. Ass., 1942, 118: 647.—Zangger. Gewerbemedizinische Aufgaben als Gegenstand der Arztfortbildung und ihre Bedeutung für die nächste Zukunft. Ber. Internat. Kongr. ärztl. Fortbild. (1937) 1938, 3. Kongr., 392-4.

Manuals and periodicals.

See also Industrial hygiene, Manuals and periodicals.

ACCIDENT (THE) AND HEALTH REVIEW. Indianap., v.34, No. 1, 1941—

ARBEIT UND GESUNDHEIT; sozialmedizinische Schriftenreihe aus dem Gebiete des Reichs- und

Preussischen Arbeitsministerium. Lpz., H. 30, 1937—

ARCHIV FÜR GWERBEPATHOLOGIE UND GWERBEHYGIENE. Berl., v.1, 1930—

BAADER, E. W. Gewerbekrankheiten; klinische Grundlagen der 22 meldepflichtigen Berufskrankheiten. 144p. 8°. Berl., 1931.

BIANCHI, G. Fisiopatologia e organizzazione scientifica del lavoro. 157p. 8°. Pisa, 1935.

BOCCIA, D. Medicina del trabajo. 380p. 24cm. B. Air., 1938.

CLARK, W. I., & DRINKER, P. Industrial medicine. 262p. 8°. N. Y., 1935.

DIFESA SOCIALE; rivista di igiene, previdenza ed assistenza. Roma, v.1, 1922—

GENÉE, R. W. Berufskunde für Aerzte. 1. Bd. 284p. 25½cm. Jena, 1938.

GIGIENA, BEZOPASNOST I PATOLOGIJA TRUDA. Moskva, v.7, 1929—

HUNTER, D. Occupational diseases. 117p. 8° [Lond., 1936?]

INDUSTRIAL MEDICINE. Chic., v.1, 1932—

INTERNATIONAL LABOUR OFFICE. Occupation and health; encyclopaedia of hygiene, pathology, and social welfare. 2v. 999p.; 1310p. 8°. Genève, 1930-34.

— The same. Supplement 1938-40. 3v. 26½cm. Genève, 1938-40.

JOHNSTONE, R. T. Occupational diseases. 558p. 24cm. Phila., 1941.

KOELSCH, F. Handbuch der Berufskrankheiten. 2v. 1175p. (pag. cont.) 8°. Jena, 1935-37.

LASHIER, W. W. Industrial surgery, principles, problems and practice. Enl. 1. ed. 472p. 24cm. N. Y. [1942]

LEGGE, T. M. Industrial maladies. 234p. 8° Lond., 1934.

MEDICINA DEL TRABAJO E HIGIENE INDUSTRIAL. Madr., v.1, 1930—

MOSKVA. INSTITUT PO IZUCHENIYU PROBOLEZNEI V. A. OBUKH [Industrial toxicology] 212p. 25½cm. Moskva, 1934.

NEW YORK UNIVERSITY. CENTER FOR SAFETY EDUCATION. Industrial hygiene and occupational diseases. v. p. 28cm. N. Y., 1941.

PAINTER, C. F. The 1940 year book of industrial and orthopedic surgery. 484p. 18½cm. Chic., 1940.

PROFESSIONALNAIA PATOLOGIJA I GIGIENA. Moskva, v.1, 1928—

QUARELLI, G. Clinica delle malattie professionali. 321p. 8°. Tor., 1931.

RASSEGNA DI MEDICINA APPLICATA AL LAVORO INDUSTRIALE. Tor., v.1, 1930—

RASSEGNA DI MEDICINA INDUSTRIALE. Tor., v.10, No. 1, 1939—

REED, J. V., & HARCOURT, A. K. The essentials of occupational diseases. 225p. 23½cm. Springf., 1941.

RODRÍGUEZ REY, O. *Las enfermedades profesionales. 216p. 26½cm. B. Air., 1936.

Carozzi, L. Industrial maladies di Thomas Legge (book review) Med. lavoro, 1934, 25: 323-5.—Fisher, H. E. The medical department manual; the complete handbook of organization, operation and routines representing actual experience and practice of 20 years. Indust. M., 1934, 3: 281-96.—Sappington, C. O. Occupation and health; a review of Volume II of the Encyclopedia of Hygiene, Pathology and Social Welfare, published in Geneva, 1934. Ibid., 1935, 4: 409-11.

Methods.

Baxter, A. C. Report of obscure ills desired. Bull. Chicago M. Soc., 1940-41, 43: 30.—Bogoslavski, S. M., & Kurkin, P. I. O metodakh statisticheskovo issledovaniya professionalnoi boleznennosti. Obshchestven. vrach. 1911, 2: No. 6, 22-46, tab.—Davis, P. A. Diagnostic methods in industrial medicine. Ohio M. J., 1937, 33: 286-92.—Gerbis, H. Das Studium gewerblicher Berufskrankheiten als neue Aufgabe der öffent-

lichen allgemeinen Krankenanstalten. Zschr. ges. Krankenhäuswes., 1926, 22: 52-5.—**Jakovenko, E. I.** [Role of statistics in the study of industrial diseases] Profess. pat. gig., 1929, 70-4.—**Kaplun, S. I.** [Researches on causes and prevention of professional diseases and accidents] Profil. med., Kharkov, 1929, 8: 50-5.—**Kettering, C. F.** Medical research in industry. Indust. M., 1938, 7: 487-92.—**Lukumsky, M.** [Problem of unifying the methods in the study of industrial pathology] Profess. pat. gig., 1929, 5-17.—**Thompson, W. G.** The industrial diseases: their importance and methods of study. Buffalo M. J., 1913-14, 69: 1-10.—**Timm, F.** Neue Wege in der Erforschung von Berufskrankheiten. Deut. Zschr. gerichtl. Med., 1937, 28: 48-52.—**Toja, G.** Su alcune correlazioni tra l'indagine statistica, la medicina del lavoro e la morbidità professionale. Med. lavoro, 1933, 24: 43-7.

Problems.

Blosser, H. L. Problems in industrial medicine; some social and economic aspects. Indust. M., 1940, 9: 276-83. Also Northwest M., 1940, 39: 137-42.—**Carozzi, L.** Reflections on certain problems of industrial medicine. Arch. Gewerbepath., 1930, 1: 52-66. — New and old problems in industrial medicine. J. Egypt. M. Ass., 1939, 22: 376-98.—**Castberg, H. T.** Industrial medical problems; distribution in California. Indust. M., 1942, 11: 464-6.—**Cotton, F. J.** The industrial question; a proposal and announcement. Boston M. & S. J., 1921, 184: 135-7.—**Drinker, P.** The scope of the occupational disease research problem. Proc. Occup. Dis. Sympos. (1938) 1939, 13-25.—**Holmblad, E. C.** Thoughts about problems of wartime medicine. J. Indiana M. Ass., 1942, 35: 409.—**Howard, N. J.** Problems in industrial surgery. California West. M., 1942, 57: 242.—**Ichok, G.** Le problème des maladies professionnelles. Paris méd., 1935, 96: annexe. 316-8.—**Johnstone, R. T.** Industrial medicine's present and future responsibility. Indust. M., 1942, 11: 316-8.—**Jones, N. M.** Some medical and surgical problems and their solution from the viewpoint of the public service corporation surgeon. Pennsylvania M. J., 1918, 21: 352-5. Also Proc. Conf. Indust. Physicians, 1918, 5: 6-9 [Discussion] 13.—**Just, J. S.** A plea for greater cooperation between the sciences of medicine and engineering in relation to industries. Med. J. Australia, 1927, 2: 2-4.—**Linenthal, H.** Occupational diseases as a public health problem. Boston M. & S. J., 1914, 171: 668-74.—**Lockhart, L. P.** Modern problems in industrial medicine. J. Indust. Hyg., 1932, 14: 81-3.—**Marshall, H. W.** A few industrial medical problems and tendencies. Boston M. & S. J., 1919, 181: 554-8.—**Newquist, M. N.** The modern concept of the industrial medical problem. Surg. Gyn. Obst., 1938, 66: 454-8.—**Rabinowicz, H.** [Medical problems in industrial diseases] Warsz. czas. lek., 1939, 16: 37; 56.—**Sappington, C. O.** Problems in industrial medicine; a survey of some of the important phases of this subject which are entitled to present consideration. Indust. M., 1934, 3: 329-38.—**Stevenson, E. M.** Industrial surgery; problems and responsibilities. Memphis M. J., 1942, 17: 96-8.—**Teleky, L.** Schwierigkeiten und Gefahren bei Erforschung der Gewerbekrankheiten. Arch. Gewerbepath., 1936, 7: 497-509.

Special fields.

See also under names of special branches of medicine as **Dermatology**, etc.

Besley, F. A. Industrial medicine and traumatic surgery. Surg. Gyn. Obst., 1934, 58: 490.—**Bierman, W.** Physical therapy in industrial hygiene. In Indust. Hyg. (Lanza-Goldberg) N. Y., 1939, 313-45.—**Falcioni, A.** Guía micológica y microbiológica industrial. Rev. sudamer. endocr., B. Air., 1939, 22: 708; 1940, 23: 53; 98.—**Gaviña Alvarado, E. R.** La dermatología y la medicina industrial. Prensa méd. argent., 1942, 29: 73-80.—**Martin, F. H.** Industrial medicine and traumatic surgery. Surg. Gyn. Obst., 1933, 56: 539.—**Sawyer, W. A.** Industrial epidemiology. J. Am. M. Ass., 1920, 75: 1041-4.

INDUSTRIAL nurse.

See also **Health nurse**; **Industrial worker**, **Welfare**.

[UNITED STATES] NATIONAL ORGANIZATION FOR PUBLIC HEALTH NURSING. The nurse in the industrial health program. 8p. 15½cm. [N. Y., 1942]

West, M. M. A handbook for industrial nurses. 134p. 19½cm. Lond. [1941]

Aird, M. V. Nursing in industry. Johns Hopkins Nurs. Alumnae Mag., 1940, 39: 191-5.—**B. O.** An industrial nurse plans a uniform. Nurs. Times, Lond., 1941, 37: 348.—**Baird, N. McH.** What my organization is doing for staff education. Med. Bull. (Standard Oil Co.) N. Y., 1936-38, 3: 227-9.—**Belden, R.** The nurse in industry. Connecticut Health Bull., 1942, 56: 39-41.—**Besemer, J.** Industrial nursing. Johns Hopkins Nurs. Alumnae Mag., 1940, 39: 65.—**Bloomfield, J. J.** The nurse and industrial hygiene. Pub. Health Nurs., 1938, 30: 569; 648; 718; 1939, 31: 27.—**Brehm, P. A.** Nurses, 1938, 30: 569; 648; 718; 1939, 31: 27.—**Brehm, P. A.** Public health nursing in industry. Bull. Bd Health Wisconsin, 1940, 6: No. 20, 6. — Industrial nursing at new peak.

Wisconsin Bd Health Q. Bull., 1942, 7: No. 2, 26.—**Bristol, L. D.** Industrial nurses; their value to the safety movement. Indust. M., 1935, 4: 306-8.—**Brooks, A. L.** Occupational diseases and the industrial nurse. Ibid., 1938, 7: 154-6.—**Carlisle, J. M.** A doctor looks at industrial nursing. R. N., Rutherford, 1940-41, 4: No. 9, 19.—**Chivers, J. H.** The industrial nurse; an appraisal. Indust. M., 1940, 9: 29-31.—**Collier, H. E.** The education of the industrial nurse. Pub. Health Nurs., 1938, 30: 584-6.—**Cruikshank, F. D.** The industrial nurse. Canad. Nurse, 1942, 38: 850-4.—**Currie, M.** Industrial nursing. J. M. Ass. Georgia, 1942, 31: 299.—**Dutcher, F. A.** Where in current literature shall we look for help in industrial nursing? Tr. Nat. Safety Council., 1931, 1: 227-30.—**Fiske, A.** Industrial nursing. Am. J. Nurs., 1935, 35: 1149-53.—**Garland, T. O.** Industrial nursing. Nurs. Times, Lond., 1942, 38: 156.—**Geister, J. M.** A sound piece of industrial nursing; building well for defense. Trained Nurse, 1941, 106: 97-101. — Industrial health workers talk things over. Ibid., 287.—**Goldberg, R. W.** The nurse in industry. In Indust. Hyg. (Lanza & Goldberg) N. Y., 1939, 607-31.—**Grants** for industrial nurses. Nurs. Times, Lond., 1940, 36: 1183.—**Haller, D.** The nurse in industry. Hygeia, Chic., 1942, 20: 340.—**Hitchcock, M.** Industrial nurses in war-time. Am. J. Nurs., 1942, 42: 662.—**Hodgson, V. H.** The nurse in industry. Pub. Health Nurse, 1929, 21: 597-601.—**Houlton, R.** Visiting nurse contracts with industry. Ibid., 1940, 32: 740-3. — The industrial nurse. Indust. M., 1941, 10: 67-9.—**Industrial (The) nurse.** J. Am. M. Ass., 1940, 115: 2087.—**Industrial (The) nurse;** functions and qualifications. Am. J. Nurs., 1939, 39: 1097.—**Industrial (The) nurse and the war;** industrial nursing personnel essential to maximum war effort. Ibid., 1943, 43: 57.—**Industrial nurses' clubs.** Trained Nurse, 1941, 107: 274; passim.—**Industrial nursing.** Pub. Health Nurs., 1942, 34: 39-47.—**Industrial nursing personnel essential to maximum war effort.** Ibid., 1943, 35: 3-7.—**James, H. M.** The industrial nurse. Indust. M., 1940, 9: 61-4.—**Johnson, J. M.** The qualifications of a successful industrial nurse. Ibid., 1936, 5: 256-8. — Industrial hygiene and the nurse. Ibid., 1938, 7: 385-90.—**Kowalke, E.** Industrial nursing service provided by a Public Health Nursing Association. Pub. Health Nurs., 1930, 22: 615-7.—**Latimer, H. A.** The public health nurse in industry. Canad. Pub. Health J., 1938, 29: 74-9.—**Legge, R. T.** The industrial nurse. Pacific Coast. J. Nurs., 1931, 27: 167-83.—**Lockhart, L. P.** The place of the nurse in modern industry; her function. Nurs. Times, Lond., 1933, 29: 1156-60.—**MacDermot, M. D.** Some aspects of industrial nursing. Canad. Pub. Health J., 1930, 21: 169-73.—**McLeish, O.** Industrial nursing. Pub. Health Nurs., 1936, 28: 827.—**Munroe, D.** Industrial nursing as a career. Nurs. Times, Lond., 1942, 38: 289.—**Newquist, M. N.** Industrial nursing; past, present, future. Pub. Health Nurs., 1939, 31: 162-6.—**Page, M.** An industrial nurse writes her annual report. Ibid., 1937, 29: 165-8.—**Position (The) of the industrial nurse.** Nurs. Times, Lond., 1941, 37: 339.—**Rood, D.** The university and the industrial nurse. Am. J. Nurs., 1941, 41: 201-5.—**Schmidt, W. M.** Industrial nurse and the young worker. Pub. Health Nurs., 1942, 34: 679.—**Scott, R. M.** State consultants serve industrial nurses. Ibid., 271-4. — The nurse in industry. Month. Bull. Bd Health Indiana, 1943, 46: 4.—**Seeger, S. J.** The nurse in industry; relationship to the physician. Indust. M., 1941, 10: 146. Also Wisconsin M. J., 1941, 40: 224.—**Shenton, B.** The nurse in the factory. J. State M., Lond., 1934, 42: 326-32. Also Nurs. Times, Lond., 1933, 29: 810-3.—**Snedden, H.** Industrial nursing. Canad. Nurse, 1942, 38: 185.—**Spencer, S., & Hemmingsen, E.** Forgotten women. Am. J. Nurs., 1941, 41: 63.—**Tattershall, L. M.** Nurses in commerce and industry. Pub. Health Nurse, 1930, 22: 572; 633.—**West, R. M.** Industrial nursing in Pennsylvania. In her Hist. Nurs. Pennsylvania, 1939, 181.—**Winslow, C. E. A.** Educational qualifications of the industrial nurse. Tr. Nat. Safety Council., 1931, 1: 215-8.—**Wooders, M. A., & Curtis, D. A.** Industrial nursing. In their Emergency Care, Phila., 1942, 296-325.

Service, and responsibility.

See also **First aid**; **Health education**; **Industrial worker**, **Health education**.

HODGSON, V. H. Public health nursing in industry. 249p. 8°. N. Y., 1933.

Anderson, E. C. From teakettle to busy medical department; an industrial nursing service in a large department store. Am. J. Nurs., 1941, 41: 152-4.—**Aves, C. M.** The graduate nurse in production camps. Med. Bull. (Standard Oil Co.) N. Y., 1939-41, 4: 20-3.—**Babb, LaV.** Industry's challenge to the nurse. Am. J. Pub. Health, 1939, 29: 1025-8.—**Blaisdell, L. M.** We offer nursing service to industry. Pub. Health Nurs., 1942, 34: 550-3.—**Bloomfield, J. J.** The responsibility of the nursing profession in industrial hygiene. Pub. Health Rep., Wash., 1941, 56: 1131-41.—**Brooks, A. L.** Occupational diseases challenge the industrial nurse. Pub. Health Nurs., 1938, 30: 158-61.—**Brown, D. M.** Industrial nursing at Shasta Dam. Am. J. Nurs., 1942, 42: 268-74.—**Brown, M.** The application of mental hygiene to the problems of the industrial nurse. Indust. M., 1942, 11: 97-100.—**Charley, I. H.** Co-operative factory nursing. Nurs. Times, Lond., 1938, 34: 1320-2. — Steps towards a national industrial

nursing service. *Ibid.*, 1940, 36: 711. — Code of ethics for the industrial nurse. *Ibid.*, 1942, 38: 123. — Crain, R. P. The industrial nurse's responsibility in relation to heart disease. *Pub. Health Nurs.*, 1931, 23: 70-2. — Davidson, L. Rescuing man hours for production. *Am. J. Nurs.*, 1942, 42: 168-72. — Dempsey, C. R. Health promotion in industry. *Trained Nurse*, 1939, 103: 327-9. — Garland, T. O. Health worker and production. *Lancet*, Lond., 1942, 2: 76. — Griffin, F. R. Provision of nursing services and medical care in a group of small factories. *Canad. Pub. Health J.*, 1939, 30: 545. — Hardiman, W. Role of industrial nurse in the National Defense program. *Connecticut Health Bull.*, 1942, 56: 14-7. — Heywood, M. L. A nurse's work in industry. *Nurs. Times*, Lond., 1940, 36: 885. — Hodgson, V. H. Nursing in industry; what are its possibilities? *Indust. M.*, 1932, 1: 97-100. — Hope, F. Nursing in a great oil refinery. *Pub. Health Nurs.*, 1936, 28: 161-3. — Houlton, K. Contracts for industrial nursing service. *Ibid.*, 1941, 33: 735. — Hubbard, R. W. Industrial nursing; supplementary report of the study committee on industrial nursing on 5 small industries in Philadelphia County. *Am. J. Pub. Health*, 1940, 30: 1224. — Use of existing visiting nurse services for industrial work in small plants. *Ibid.*, 1941, 31: 27-33. — Meeting the problem of the small plant. *Pub. Health Nurs.*, 1941, 33: 24-31. — Industrial nursing; desirable qualifications of nurses appointed to public health nursing positions in industry. *Pacific Coast J. Nurs.*, 1941, 37: 481. — Industrial nursing pays. *Pub. Health Nurs.*, 1937, 29: 36-44. — Inside the factory; some aspects of the work of an industrial nurse. *Nurs. Times*, Lond., 1941, 37: 346. — Instructor's outline for canteen aide course. *J. Am. Diet. Ass.*, 1942, 18: 841. — Johnson, J. How can the industrial nurse aid the safety program? *Trained Nurse*, 1940, 105: 193-7. — Johnson, J. M. Nursing service for industry. *Indust. M.*, 1936, 5: 183-5. — The industrial nurse and her job. *Ibid.*, 1935, 4: 183-5. — Johnson, O. J. Nurse's role in industrial health. *Pub. Health Nurs.*, 1942, 34: 416-8. — Kuechle, B. E. The industrial nurse; her responsibility in the efficient administration of a compensation law. *Indust. M.*, 1941, 10: 150-2. — Kuehler, P. E. What can the industrial nurse accomplish? *Pub. Health Nurs.*, 1942, 34: 115-8. — Lazenby, A. D. The place of the nurse in industry. *Ibid.*, 1936, 28: 713-8. — Murray, H. G. How can the industrial nurse help; here's what she does at Dennison Mfg. Co. *Occup. Hazards*, Pittsb., 1942-43, 5: No. 2, 12. — Nurse in a small plant. *Pub. Health Nurs.*, 1942, 34: 554. — Nursing services in industry; program for the promotion of part-time nursing services in small plants. *Indust. M.*, 1942, 11: 404. — Pickering, W. G. Nursing in the automotive industry. *Pub. Health Nurs.*, 1935, 27: 426-30. — Porter, R. Health and safety of employee; nurse's viewpoint. *Ibid.*, 1942, 34: 611-3. — Ritter, W. L., & Walden, P. H. A suggested outline of policies, standing orders, and daily routine for industrial nurses. *Mississippi Doctor*, 1942-43, 20: 356-62. — Rubenstein, I. H. Workmen's compensation and the nurse. *Am. J. Nurs.*, 1938, 38: 132-6. — Shafer, D. M. Improving the health of the worker. *Pub. Health Nurs.*, 1939, 31: 677-81. — Smith, K. D. The role of the industrial nurse in Ohio's industrial hygiene program. *Indust. M.*, 1938, 7: 582-6. — Smith, M. G. The industrial nurse's responsibility in eye health. *Pub. Health Nurs.*, 1931, 23: 75-8. — Study (A) of industrial nursing services. *Pub. Health Nurs.*, 1940, 32: 631-6. — Weder, J. A. Woman's part in industrial safety. *Ibid.*, 1937, 29: 418-20. — Whitlock, O. M. Nursing services for small plants. *Ibid.*, 1941, 33: 732-4. — Working relationships between the public health nurse and the industrial nurse. *Pacific Coast J. Nurs.*, 1942, 38: 278-80. — Alton, M. [et al.] To study the duties of nurses in industry. *Am. J. Pub. Health*, 1942, 32: No. 3, Suppl., 170-6. — Wiesner, D. E. Policies in industrial nursing by visiting nurse associations. *Pub. Health Nurs.*, 1942, 34: 585-90. — Workmen's compensation acts; liability of employer for negligent first aid supplied by nurse [Montana]. *J. Am. M. Ass.*, 1942, 118: 1159.

INDUSTRIAL physician.

See also **Factory, Medical inspection; Group medicine, Personnel; Physician; Industrial worker, Medical service.**

Abell, I. The physician in industry and national defense. *Indust. M.*, 1941, 10: 275-7. Also *J. Am. M. Ass.*, 1941, 116: 1453. — Andrews, J. B. Industrial diseases and physicians. *Ibid.*, 1911, 56: 1132-4. — Availability of trained industrial physicians. *Ibid.*, 1941, 116: 1392. — Baird, V. C. Industrial medicine and the community doctor. *Med. Bull.* (Standard Oil Co.) N. Y., 1936-38, 3: 73-80. — Bird, G. L. The doctor in industry. *Canad. Pub. Health J.*, 1936, 27: 333-6. — Bryant, T. L. Industrial medicine, a new specialty for general practitioners. *Centaur*, Menasha, 1936, 41: 255-8. — Carlton, L. F. Labor and the industrial surgeon. *J. Florida M. Ass.*, 1941-42, 28: 175. — Doctor (The) in the factory. *Lancet*, Lond., 1942, 2: 405. — Duvour. La médecine du travail; le rôle du médecin dans l'industrie. *Arch. mal. profess., Par.*, 1938, 1: 7-20. — Efimov, D. J. [Concerning rights and life of medical personnel]. *Profil. med.*, Kharkov, 1927, 110-7. — Ford, C. E. The physician in industry and his relation to health agencies. *Proc. Nat. Conf. Social Work*, 1922, 49: 190-4. — Garland, T. O. Industrial medicine as a career. *Med. Off.*, Lond., 1940, 64: 117. — Goldstein, A., & O'Hara, D. Race, color and religion. *N. England J. M.*, 1942, 227: 769. —

Hamilton, A. The fight against industrial diseases; the opportunities and duties of the industrial physician. *Proc. Conf. Indust. Physicians*, 1918, 32-5. — Job (The) of the works doctor. *Lancet*, Lond., 1943, 1: 26. — Kefalas, A. The industrial medical officer, his qualifications and work. *Brit. J. Phys. M.*, 1942, 5: 141-5. — Lockhart, L. P. Industrialized man and his background. *Lancet*, Lond., 1934, 1: 825-9. — Malmgreen, H. P. Opportunities in industry. *Med. Econom.*, 1939-40, 17: No. 12, 57-60. — Markuson, K. E. The private physician becomes essential to war production. *Michigan Pub. Health*, 1942, 30: 83. — Marzeiev, A. [Industrial physicians]. *Profil. med.*, Kharkov, 1927, 6: No. 6, 125-33. — Newberry, R. E. What the industrial physician has to offer. *Bull. Fulton Co. M. Soc.*, 1938, 12: No. 8, 5. — Peterson, C. M. Industrial health; a medical opportunity. *West Virginia M. J.*, 1941, 37: 49-53. — The physician in industry. *Med. Clin. N. America*, 1942, 26: 999-1003. — Selby, C. D., Vaughan, H. F. [et al.] Educational qualifications of industrial hygienists. *Am. J. Pub. Health*, 1941, 31: 728-30. — Shipman, T. L. Opportunities for physicians in industry. *J. Am. M. Ass.*, 1940, 115: 1237-9. — Specialist (The) *Indust. M.*, 1941, 10: 445. — Toutsant, E. S. The relation of the physician to industry. *N. England J. M.*, 1938, 218: 1087-9. — Verdan, C. Le médecin praticien et les maladies professionnelles. *Praxis*, Bern, 1939, 28: 137-9. — Vigliani, E. C. L'istituzione presso l'E. N. P. I. di un centro nazionale di cultura per medici di fabbrica. *Rass. med. indust.*, 1939, 10: 435-8. — Wiggins, R. The role of the factory doctor. *Brit. J. Phys. M.*, 1942, 5: 98-100.

Boards and societies.

American Association of Industrial Physicians and Surgeons [Abstracts of papers and discussions presented at the 22nd annual meeting]. *Indust. M.*, 1937, 6: 255-66. — American Association of Industrial Physicians and Surgeons. *Ibid.*, 1942, 11: 70. — Anders, J. M. The scope and aims of the new Section on Industrial Medicine and Public Health. *Tr. Coll. Physicians Philadelphia*, 1917, 3, ser., 39: 461-5. — Barthe, R. Association nationale de médecine du travail. *Arch. mal. profess., Par.*, 1939-40, 2: 704-6. — Collier, H. E. Industrial medical boards. *Brit. M. J.*, 1941, 2: 888. — Driver, A. H. Industrial medical boards for women. *Ibid.*, 826. — Francone, M. P. Un plan de organización para la Sociedad de medicina industrial. *Prensa méd. argent.*, 1941, 28: pt 2, 2176. — Herget, R. Bericht über die 13. Jahrestagung der deutschen Gesellschaft für Unfallheilkunde und Versorgungsmedizin in Kiel, 7-8 Juli 1939. *Munch. med. Wschr.*, 1939, 86: 1520. — Holmes, L. C. The Industrial Relations Committee and Medical Rating Board; their organization, functions and value. *Southwest. M.*, 1936, 20: 238-40. — Industrial (The) physicians and surgeons; 23d annual meeting of the American Association of Industrial Physicians and Surgeons, and 2d Midwest conference on occupational diseases, Chicago, June 6-9, 1938. *Indust. M.*, 1938, 7: 367; 518. — [Kansas] Committee on Industrial Medicine. *J. Kansas M. Soc.*, 1942, 43: 34. — Lang. Jahresversammlung der Schweizerischen Gesellschaft für Unfallmedizin und Berufskrankheiten. *Praxis*, Bern, 1937, 26: 57-63; 1939, 28: 21-4. — Long, E. R. Proceedings of the Section on public health, preventive and industrial medicine, October to December, 1936. *Tr. Coll. Physicians Philadelphia*, 1936-37, 4: 108-15. — Medicine and hygiene; abstracts of papers of the 25th annual meeting of the American Association of Industrial Physicians and Surgeons and the 1st annual meeting of the American Industrial Hygiene Association, June 3-6, 1940, New York City. *Indust. M.*, 1940, 9: 329-49. — P. R. Société médicale suisse des accidents du travail et des maladies professionnelles. *Praxis*, Bern, 1941, 30: 140-2. — Rauber. Tagung der Deutschen Gesellschaft für Unfallkunde, Versicherungs- und Versorgungsmedizin am 24. und 25. September 1937 in Würzburg. *Ibid.*, 1938, 27: 73-7. — Sappington, C. O. Industrial medicine and industrial hygiene; abstracts of the proceedings of the Institute of Industrial Medicine and Industrial Hygiene; the 26th annual meeting of the American Association of Industrial Physicians and Surgeons, the 2d annual meeting of the American Industrial Hygiene Association, Pittsburgh, May 5-9, 1941. *Indust. M.*, 1941, 10: 287-305. — Sweetnam, C. R. K. Report of the Industrial Relations Committee of the Arizona State Medical Association. *Southwest. M.*, 1936, 20: 236. — Takaori, S. Ueber die Japanische Gesellschaft für Arbeitsmedizin. *Arztl. Sachverst. Ztg.*, 1936, 42: 79. — Thurber, F. Twentieth anniversary of the Industrial Section of the Los Angeles County Medical Association. *California West. M.*, 1942, 57: 321. — Watkins, W. W. The Industrial Relations Committee and the Medical Rating Board of the Arizona State Medical Association. *Southwest. M.*, 1936, 20: 237. — Weinberg, A. von. Arbeiten und Aufgaben der Deutschen Gesellschaft für Gewerbehygiene. *Zbl. Gewerbehyg* 1926, n. F., 3: 261.

Compensation and salary.

Acute and serious problems in workmen's compensation state association presents recommendations for procedure an opposes fee schedule reduction. *Ohio M. J.*, 1933, 29: 377-80. — Blaisdell, J. H., Fronthingham, C., & Tighe, M. A. Compensation of physicians in industrial cases. *N. England J. M.*, 1937, 216: 948-50. — Compensation of physicians; liability of employer for medical services rendered employee [Missouri]. *J. Am. M. Ass.*, 1938, 111: 2421. — Deisch, P. A. Workmen's

compensation as related to physicians. J. Arkansas M. Soc., 1941-42, 38: 188-90.—**Dixon, W.** The collection of bills for compensation work. Med. Econom., 1941-42, 19: No. 6, 48; 116.—**Malpractice**; compensation award as bar to malpractice action [Missouri] J. Am. M. Ass., 1937, 109: 1666.—**Malpractice**; when judgment for fee does not bar subsequent malpractice suit [New York] Ibid., 1938, 111: 2421.—**[Ohio]** Compensation of physicians; liability of employer in common law action to recover for medical services rendered employee. Ibid., 1942, 119: 1133.—**Poste, E. M.** Insurance companies and employers on the doctors' charity list. South. M. & S., 1935, 97: 83.—**Workmen's** compensation practice; fee schedule. Bull. M. Soc. Co. Kings, 1935, 14: 121.—**Workmen's** Compensation Act; schedule of fees. S. Afr. M. J., 1935, 9: 433-6.—**Workmen's** compensation acts; jurisdiction of state industrial commission over medical fees. J. Am. M. Ass., 1936, 107: 1159.—**Workmen's** compensation acts; industrial commission has exclusive jurisdiction over claim based on malpractice [California] Ibid., 1938, 110: 74.—**Workmen's** compensation acts; physician not authorized to treat compensation cases may not collect fee [New York] Ibid., 1939, 112: 469.—**Workmen's** compensation acts; jurisdiction of industrial commission over medical fees [South Dakota] Ibid., 1935, 106: 111.—**Workmen's** compensation acts; employer's liability for expense of hospitalization beyond statutory limits [Wisconsin] Ibid., 1939, 112: 469.—**Workmen's** compensation acts; physician presumed to know limits of liability imposed on employer by compensation act. Ibid., 1939, 112: 469.—**Workmen's** compensation acts; insurer may recover damages from physician who negligently treats employee [Utah] Ibid., 1941, 110: 1.

— Employment.

Brosnan, L. J. Legal liability of employer for the acts of a physician employee. N. York State J. M., 1932, 32: 555.—**Civilian** physicians to be employed by Army for service in war plants. J. Am. M. Ass., 1943, 121: 437.—**Contract** medical services. Med. Press & Circ., Lond., 1935, 190: 167.—**Doctor** (The) and the cost of hiring. Indust. M., 1935, 4: 351-3.—**Grimm, V.** Was ist von der erhöhten Mitwirkung der Kreisärzte in der Gewerbehygiene zu halten? Zschr. Medbeamte, 1931, 44: 80-9.—**Kaliski, D. J.** The workmen's compensation medical panel system of New York State. J. Am. M. Ass., 1942, 118: 645.—**Physicians** selected to serve on medical boards of review under provisions of new occupational disease law. Ohio M. J., 1939, 35: 1111.—**Seeley, S. F.** Procurement and assignment of physicians for industry. J. Am. M. Ass., 1942, 118: 644.—**Shoudy, L. A.** Choice of physician under workmen's compensation laws. Delaware M. J., 1934, 6: 45-52.—**Sommer.** Ist der Knappschaftsarzt Angestellter der Knappschaft? Med. Welt, 1936, 10: 1854.—**Workmen's** compensation acts; implied consent of employer to physician selected by employee [Oklahoma] J. Am. M. Ass., 1937, 109: 1843.

— Practice.

COLLIER, H. E. Outlines of industrial medical practice. 440p. 22cm. Balt., 1941.

Berner, H. [Physicians position in law in compensation] Norsk. mag. lægevid., 1936, 97: 263-7.—**Bloomfield, J. J.** The private physician's opportunity in industrial medicine. N. England J. M., 1941, 225: 929-32.—**Bofinger.** Vertrauensärztliche Fragen. Vertrauensarzt, 1935, 3: 241-8.—**Bretteville-Jensen.** Smaatræk fra fabrikkpraksis. Tskr. norske lægeforen., 1908, 28: 257-62.—**Clark, W. I.** Industrial medical practice, history and background. Indust. M., 1942, 11: 510-3.—**Didonna, P.** Funzione del medico nella tutela igienico-sanitaria del lavoro. Assist. sociale, Roma, 1938, 12: 739-57.—**Elliott, B. L.** The management of the industrial patient from the neurological standpoint. Kansas City M. J., 1938, 14: No. 7, 22-6.—**Fitz, R.** The practice of medicine as a problem in industrial hygiene. J. Am. M. Ass., 1931, 97: 443-5.—**Forster, N. K.** Problems in wartime industrial practice. J. Indiana M. Ass., 1942, 35: 416-20.—**Fritzschke, E.** Arzt und Begutachter in Krisenzeiten. Schweiz. med. Wschr., 1934, 64: 814-7.—**Fry, C. H.** Physicians' legal responsibilities in industrial medicine. California West. M., 1942, 57: 242.—**Greensburg, L.** Practising physician and diagnosis and treatment of occupational diseases. J. Conecticut M. Soc., 1936-37, 1: 106.—**Hammer.** Grundzüge der Berufsgesundheitspflege für ärztliche Schnell- und Massenbetriebe, insbesondere für Zwangskassenarztbetriebe. Aerztl. Rdsch., 1934, 44: 289-96.—**Hawkins, H. T.** Some problems of the industrial physician. Virginia M. Month., 1935-36, 62: 30-4.—**Jones, E. S.** Medical practice in industry. J. Indiana M. Ass., 1941, 34: 182.—**Jones, R. R.** How an industrial physician can and should cooperate with the general practitioner. In Sympos. Indust. Health (M. Coll. Virginia) Richmond, 1941, 11-5.—**Koelsch, F.** Der gewerbeärztliche Dienst. Zschr. Versicherungsmed., 1912, 5: 193-8.—**Legge, R. T.** Occupational diseases and the general practice of medicine. Indust. M., 1937, 6: 352-5.—**Occupational** diseases and their relative importance to medical practice. Rocky Mountain M. J., 1938, 35: 200-4.—**Licenture** and industrial practice. Fed. Bull., Chic., 1942, 28: 129.—**Linenthal, H.** The industrial physician and the hospital. Nation's Health, Chic., 1921, 3: 562-4.—**Lorenzoni, L.** L'opera del medico di fronte alla nuova legge per l'assicurazione obbligatoria degli infortuni industriali e delle malattie professionali. Rass. internaz. clin. ter., 1937, 18: 300-10.—**McCurdy, S.** Applied medical ethics. Med. Searchlight, 1937, 13: No. 3, 14.—

McLeod, J. L., Allen, H. B. [et al.] Occupational disease reporting. Minnesota M., 1941, 24: 883.—**Manley, F. N.** Some of the problems of industrial practice. Bull. New England M. Center, 1942, 4: 255.—**Médicos e inspección del trabajo.** Labor méd., Méx., 1937, 5: 193-206.—**Moorhead, J. J.** The importance to physicians of the new Employer's Liability Bill. N. York M. J., 1910, 92:—**Munro, D.** Industrial medicine and the general practitioner. Practitioner, Lond., 1942, 149: 321-5.—**Murphy, H. J.** Registration of physicians under the workmen's compensation law and requirements for advancement in ratings and qualifications. Indust. M., 1941, 10: 200-3.—**Neal, P. A.** Opportunities presented to the physician in the field of industrial medicine. West Virginia M. J., 1941, 37: 495-8.—**Outline** of procedure for physicians in industry. J. Am. M. Ass., 1942, 118: 895.—**Peterson, C. M.** Industrial health; a medical opportunity. Virginia M. Month., 1941, 68: 67-70.—**Private** (The) physician and his occupational disease work. J. Am. M. Ass., 1939, 112: 741.—**Rabinowicz, H.** [Conception of industrial disease and the part of the physician in its diagnosis] Warsz. czas. lek., 1935, 15: 497; 521.—**Riddell, A. R.** Problems which arise in the handling of illness among wage earners. Canad. Pub. Health J., 1940, 31: 223-7.—**Rowe, J. B. W.** Medical work in an industrial factory. Med. Press & Circ., Lond., 1941, 205: 64-6.—**Sappington, C. O.** The special nature of industrial practice. Indust. M., 1941, 10: 101-4. Also J. Am. M. Ass., 1941, 116: 1453.—**Sayer, H. D.** Medical practice under the Workmen's Compensation Law. J. Am. Insur., 1941, 18: No. 5, 17.—**Seeger, S. J.** Industrial health; a medical opportunity. Bull. Chicago M. Soc., 1940-41, 43: 531.—**Shagov, M. A.** [Protective aprons for factory physicians] Sovet. vrach. J., 1936, 1: 1182.—**Shea, R. M.** The company doctor; his opportunity. Indust. M., 1941, 10: 546.—**Silver, A. L. L.** Industrial medicine and the general practitioner. Med. Press & Circ., Lond., 1940, 203: 289-92.—**Slater, B. J., & Staines, S. J.** The industrial aspects of medical practice. In Pract. Libr. M. & S. (Appleton) N. Y., 1934, 5: 995-1036.—**Stevens, H. W.** The practice of medicine in industry. N. England J. M., 1930, 203: 972-87.—**Thompson, H. C.** What is expected of the physician and surgeon in compensation cases. Rocky Mountain M. J., 1938, 35: 954-9.—**Tobias, H.** Die praktischen Aufgaben des Arztes im Betrieb. Off. Gesundheitsdienst, 1940-41, 6: B, 453-6.—**Trostler, I. S.** Libel and the right of privacy. Indust. M., 1937, 6: 101-6.—**Watson, C. H.** Some aspects of industrial medical practice. Nation's Health, Chic., 1926, 8: 817; 866.—**Whitacre, H. J.** The problem of competition in industrial medicine and traumatic surgery. Surg. Gyn. Obst., 1933, 56: 559.—**Wrabetz, V.** Prompt reporting and cooperation with commissions. J. Kansas M. Soc., 1937, 38: 333-8.

INDUSTRIAL plant.

See also **Factory**; also names of industries.

Industrial plants are surveyed. Week. Bull. California Dep. Pub. Health, 1940-41, 19: 33.—**Siegal, I. H.** The measurement of capacity utilization. J. Am. Statist. Ass., 1942, 37: 430-6.

— Equipment, machinery, and tools.

See also **Tool**; also names of industries.

WYATT, S., & LANGDON, J. N. The machine and the worker; a study of machine-feeding processes. 54p. 24½cm. Lond., 1938.

Faille, R., Laugier, H. [et al.] Recherches biologiques sur la normalisation des fourches à ballast. Ann. physiol., Par., 1931, 7: 235-9.—**Rupp, H.** Psychologische Gesichtspunkte für die Gestaltung des Arbeitsgerätes. Zbl. Gewerbehyg., 1933, n. F., 10: 89-96.—**Vom Berge, H.** Elektrohebezeuge und Transportverkehr. Ibid., 1926, n. F., 3: 284.

— Health survey and health hazards.

DUBLIN, L. I., & VANE, R. J. Occupational hazards and diagnostic signs. 70p. 23cm. Wash., 1941.

FICKLEN, J. B. Manual of industrial health hazards. 176p. 23½cm. West Hartford, Conn. [1940]

KRONENBERG, M. H., & MORSE, K. Health hazards of occupational environments. 46p. 23cm. Springfield, Ill. [1941]

OCCUPATIONAL HAZARDS. Pittsb., 5: No. 2, 1942-

PEARSE, I. H., & WILLIAMSON, G. S. The case for action; a survey of everyday life under modern industrial conditions, with special reference to the questions of health. 3. ed. 162p. 12° Lond. [1938]

SCHWARTZ, L. Skin hazards in American industry. 80p. 8° Wash., 1936.

Barnes, E. C. Analyzing working environment. Indust. M., 1942, 11: 603.—**Bisits, L., & Oetömsi, S.** [A survey of hygienic conditions in workshops] Népegészségügy, 1940, 21:

761-4.—**Bloomfield, J. J.** Preliminary surveys of the industrial environment. Pub. Health Rep., Wash., 1933, 48: 1343-51.
 ———. Methods employed in the appraisal and control of industrial health hazards. Med. Clin. N. America, 1942, 26: 1161-78.—**Bulmer, F. M. R.** Evaluation of health hazards in industry. Canad. Pub. Health J., 1935, 26: 321-8.—**Cook, W. A.** The occupational disease hazard; evaluation in the field. Indust. M., 1942, 11: 193-7.—**Flinn, F. B.** Some of the newer industrial hazards. Boston M. & S. J., 1927-28, 197: 1309-14.—**Frame, R.** Hazards in cement stockhouses, packing and shipping departments. Proc. Nat. Safety Council., 1919, 8: 393-404.—**Gordon, E.** [Sanitary condition of industry in Vitebsk province in 1923] Belaruss. med. misl, 1924, 1: 62-6.—**Griesbach, H.** Zur Ursache der Schwüle. Klin. Wschr., 1924, 3: 152.—**Gudjonsson, S. V.** [Examination of hygienic conditions in industries] Ugeskr. laeger, 1934, 96: 1219-22.—**Hayhurst, E. R.** The classification of hazardous occupations. Am. J. Pub. Health, 1916, 6: 460-9.————. Industrial health hazards incident to the defense program. Merck Rep., 1941, 50: No. 3, 6-10.—**Heinrich, H. W.** Process and procedure revision. In his Indust. Acid. Prev., 2. ed., N. Y., 1941, 260-7.—**Holden, F. R.** What the Industrial Hygiene Foundation's plant surveys are showing. Indust. M., 1943, 12: 20 (Abstr.)—**Industrial health practices**; report of a survey of 2,064 industrial establishments, conducted by the National Association of Manufacturers Committee on Healthful Working Conditions. Indust. M., 1941, 10: 388-97.—**Industrial medicine and hygiene.** Med. Off., Lond., 1941, 66: 201.—**Kaplan, S. I.** [Sanitary characteristics of special industries] Profil. med., Kharkov, 1927, 6: 49-55.—**Kestner, O.** Die Ursache der Schwüle. Klin. Wschr., 1923, 2: 1874.—**Lauffer, C. A.** Industrial health hazards. Mod. Med., Chic., 1919, 1: 588-94. Also Proc. Nat. Safety Council., 1919, 8: 614-31.—**McCord, C. P.** The industrial hygiene survey. Indust. M., 1935, 4: 529-33.————. Detecting industry's harmful exposures. Ibid., 1937, 6: 288-91.—**Occupational and environmental analysis** of the cement, clay and pottery industries. Pub. Health Rep., Wash., 1937, 52: 1607.—**Parney, F. S.** Health hazards in industry. Nat. Health Rev., Ottawa, 1938, 6: 88-90.—**Pesce-Mainieri, P.** Le professioni pericolose. Illust. med. ital., 1926, 8: 102-7.—**Plant hygiene studies.** J. Am. M. Ass., 1942, 118: 818.—**Pisetskaia, S.** [Quick methods of determining harmful substances in the air of work shops] Gig. san., Moskva, 1940, 5: No. 5, 24-7.—**Porrini, G.** Alcune industrie da aggrungere all'elenco delle industrie insalubri. Igien. mod., 1930, 23: 33-49.—**Spolyar, L. W.** Preliminary summary of the industrial hygiene survey. Month. Bull. Bd Health Indiana, 1939, 42: 201.—**Urbandt, E., & Wernicke, R.** Informe sobre las condiciones de higiene y salubridad del establecimiento Ducilo, S. A. Bol. san., B. Air., 1941, 5: 309-34.—**Weisbach, W.** Arbeitsbedingungen und Gesundheitsverhältnisse in Feilenhaureien. Zbl. Gewerbehyg., 1927, n. F., 4: 215-9.

Inspection.

See also **Factory, Inspection.**

CONNECTICUT, U. S. A. DEPARTMENT OF LABOR AND FACTORY INSPECTION. Report. Hartford, Conn., 1932—

MEADE, J. P. The influence of factory inspection on plant safety. 13 numb. 1. 23½cm. Wash., 1930.

Argüelles, A. S. Activities of the Industrial Committee of the Department of Agriculture and Commerce, from October 8, 1934 to December 31, 1936. Bull. Nat. Rep. Coune. Philippines, 1937, 15: 6-11.—**Ashkinadze, A. M.** [Immediate problems of industrial sanitary inspection] Gig. san., Moskva, 1939, 4: No. 12, 11-3.—**Bristol, L. D.** Practical application of an industrial health appraisal form. Am. J. Pub. Health, 1936, 26: 390-5.—**Costa Carvalho, G. da.** Alguns aspectos médicos e sanitarios das industrias no Distrito Federal. Fol. med., Rio, 1942, 23: 175; passim.—**Hatlapa, W.** Umriss zur hundertjährigen Geschichte der deutschen Arbeitsaufsicht. Arch. Gewerbepath., 1935, 6: 222-56.—**Hayhurst, E. R.** The need for a general system of sanitary supervision of industries in times of war. Am. J. Pub. Health, 1918, 8: 301-3.—**Health in factories and workshops**; annual report of the chief inspector for the year 1918. Lancet, Lond., 1919, 2: 749-51.—**Health in industry.** Nature, Lond., 1942, 150: 557-9.—**Michaelis.** Die Neuordnung der ärztlichen Gewerbeaufsicht. Fortsch. Med., 1921, 39: 964.—**Müller, J.** Die Erfassung der Industrie durch die Statistik der Gewerbeaufsichtsbeamten. Allg. statist. Arch. (1921-22) 1923, 13: 374-92.—**Suponitsky, M. I.** [Work of the state industrial sanitary inspection in the USSR during the last period] Gig. san., Moskva, 1940, 5: No. 6, 47-9.—**Urbandt, I.** Importancia de la inspección médica del trabajo. Bol. san., B. Air., 1938, 2: 605-12.

Safety measures and health standards.

See also **Accidents, industrial: Safety devices; Industrial worker, Health protection.**

NORWAY. RIKSTRYGDEVERKET. Industriarbeidertrygden. Oslo, 1936—

UNITED STATES. DEPARTMENT OF LABOR. Minimum standards for the safety and health of

workers in manufacturing industries. 2. ed. 7p. 8° Wash., 1934.

UNITED STATES. NATIONAL BUREAU OF STANDARDS. Handbook series No. 2: National safety code for the protection of the heads and eyes of industrial workers. 2. ed. 66p. 19cm. Wash., 1923.

WESTON, H. C. On the design of machinery in relation to the operator. 32p. 8° Lond., 1926.

Agnew, P. G. National safety codes progress. Bull. U. S. Bur. Labor Statist., 1934, No. 602, 166-76.—**Allan, J. R.** Industrial hygiene codes. Am. J. Pub. Health, 1939, 29: 748-52.—**Baldwin, C. E.** Status of industrial safety codes and regulations in the various states. Bull. U. S. Bur. Labor Statist., 1934, No. 602, 151-66.—**Bard, L.** Higiene y seguridad del trabajo en los establecimientos mercantiles e industriales y trabajo a domicilio. Ann. igiene, 1931, 41: 701-6.—**Bashford, H. H.** Health standards in industry. Lancet, Lond., 1936, 1: 1505.—**Boulin, P.** L'organisation de la sécurité du travail. Ann. hyg., Par., 1935, n. ser., 13: 101; 198; 290; 330; 396; 476; 655; 711; 1936, 14: 217.—**Bristol, L. D.** Measuring the industrial safety program. Personnel J., 1934, 13: 193-6.—**Cameron, W. H., Berger, J. A.** [et al.] Safety and health. Proc. Internat. Management Congr., 1938, 7. Congr., 184-7.—**Connolly, J. I.** Engineering services in industry other than control of occupational diseases. Am. J. Pub. Health, 1941, 31: 21-6.—**Förster.** Vorbeugung gewerblicher Erkrankungen durch verbesserte Spritzapparate. Zbl. Gewerbehyg., 1926, n. F., 3: 185.—**Folkhard, S.** Verhütung des Berstens grosser Schleifsteine. Ibid., 25-8.—**Gállego Ramos, E., & Flórez, G.** La reglamentación técnico-sanitaria de las industrias. Actas Congr. nac. san., Madr. (1934) 1935, 1. Congr., 3: 438-45.—**Hallock, J. W.** The development of industrial safety standards in Pennsylvania. Univ. Pittsburgh Bull., 1936, 33: No. 1, 122-9.—**Hazlett, T. L.** Medical-engineering control of industrial health hazards. Indust. M., 1936, 5: 232.—**Health and industrial safety**; safety and health standards for mercantile establishments. Month. Labor Rev., Wash., 1934, 39: 1392-4.—**Heiser, V. G.** Do good working conditions pay? In Sympos. Indust. Health (M. Coll. Virginia) Richmond, 1940, 49-54.—**Henne & Beeken.** Prüfung und Ueberwachung von selbsttätigen Feuerlöschrichtungen, insbesondere von CO₂-Anlagen. Arbeitsschutz, 1940, 293.—**Owen, C. I.** The professional aspects of industrial safety work. Grace Hosp. Bull., Detr., 1940, 24: 22-7.—**Owens, R. J.** Division of Industrial Hygiene; regulations of maximum permissible concentrations of dusts, gases and vapors, metallic dusts and fumes. Colorado Bd Health Bull., 1941, 5: No. 6, 4-6.—**Poenaru Caplesco, C.** Les constructions, les accidents et la santé des travailleurs. Ber. Internat. Congr. Unfallmed. (1938) 1939, 8. Congr., 2: 1134-7.—**Polenov, A. L.** [Preventive measures against industrial traumatism and its sequel] Sovet. khir., 1931, 1: 15-25.—**Porrini, G.** Sull'azione comunale per prevenire i pericoli ed incomodi dell'esercizio delle industrie nell'abitato. Igien. mod., 1930, 23: 369-78.—**Ridinger, J. L.** Industrial health and safety precautions. J. Indiana M. Ass., 1941, 34: 188-91.—**Safety at the New York World's fair.** Travelers Stand., 1940, 28: 96-100.—**Spot-welding (A) machine hood guard.** Ibid., 85-8.—**Steinicke.** Die Polizeiverordnung zur Verhütung der Selbstentzündung von geschmolzenen Faserstoffen (Schmälzmittelverordnung) Arbeitsschutz, 1940, 240-5.—**Struve.** Kippisicherheit fahrbarer Auslegerkräne. Zschr. Gewerbehyg., 1926, 32: 207-11.—**Teissl, L.** Sicherung der Arbeit an Pressen und Stanzten. Ibid., 53-5.—**Thielberg, R.** Vom Bauarbeiterschutz; Berufsgefahren in der Bauarbeit. Arbeiterschutz, 1927, 3: 31-4.—**Urbánek, J.** [Prophylaxis in the industries of Praha] Cas. lék. česk., 1941, 80: 264-9.

Sanitation.

[GERMANY] REICHSAMT SCHÖNHEIT DER ARBEIT. Die Abort-Anlagen gewerblicher Betriebe. 4. verb. Aufl. 43p. 28½cm. Berl., 1939.

ROMANIN-JACUR, L. Exposition internationale et congrès d'hygiène et de sauvetage à Bruxelles; assainissement des ateliers où se dégagent des gaz, des vapeurs, de la buée, poussières nuisibles. 30p. 20½cm. Padova, 1876.

Beaudry, J. A. L'hygiène dans les établissements industriels. Bull. san., Montréal, 1910, 10: 107-16.—**Butkevich, M. M.** [Investigation of the methods used in purifying industrial sites] Gig. san., Moskva, 1940, 5: No. 12, 48-50.—**Carreño, C.** La higiene en los talleres. Sem. méd., B. Air., 1931, 38: pt. 1, 952-68.—**Cook, W. A.** The engineer's place in industrial hygiene. Indust. M., 1938, 7: 551-5.————. The industrial hygiene engineer. Ibid., 1941, 10: 196-200.—**DallaValle, J. M.** Defense work of industrial hygiene engineering unit. Indust. Hyg., Alb., 1941, 20: No. 7, 3.—**Jones, R. R.** Basic principles of industrial sanitation. Am. J. Pub. Health, 1940, 30: 369-84.—**Engineer's (The) part in the industrial hygiene program.** Week. Bull. California Dep. Pub. Health, 1938-39, 17: 165.—**Giese, F.** Lichtwirtschaft und Fliessarbeit.

C. rend. Conf. internat. psychotechn. (1927) 1929, 4. Conf., 276.—**Johnson, W. S., Harris, R. M.** [et al.] Industrial sanitation. Am. J. Pub. Health, 1942, 32: No. 3, Suppl., 75-9.—**Kassilov, A. P., & Shapiro, A. D.** [Ventilation of closed premises, used for electrical soldering] Gig. san., Moskva, 1939, 4: No. 12, 64-6.—**Keep** a broom handy; keep refuse off the floor. Travelers Stand., 1942, 30: 14.—**Mix, K.** Ueber den gegenwärtigen Stand der Gas- und Atemschutztechnik und ihre Bedeutung für die Gewerbehygiene. Zbl. Gewerbehyg., 1935, n. F., 12: 7-12.—**Müller-Wernecke.** Entnabelung einer Fasswaschanlage. Arbeitsschutz, 1941, 103.—**Pool, C. L., Cary, W. H., jr** [et al.] Industrial sanitation. Am. J. Pub. Health, 1939, 29: No. 2, Suppl., 82.—**Quinn, J. L., jr.** Environmental sanitation in industry. Month. Bull. Bd Health Indiana, 1943, 46: 5.—**Wiley, J. S.** Industrial sanitation in Indiana. Month. Bull. Indiana Bd Health, 1939, 42: 103; 111; 128.—**Yaglou, C. P.** The thermal index of atmospheric conditions and its application to sedentary and to industrial life. J. Indust. Hyg., 1926, 8: 5-19.—**Young, A. G.** Air conditioning and industrial health. J. Am. M. Ass., 1938, 111: 863.

INDUSTRIAL psychology.

See also Mental hygiene; Psychotechnics; also under such terms as Fatigue, industrial, etc.

ROBBINS, F. C. Psychiatry and industry. 4 numb. 1. 2 3/4 cm. Wash., 1930.

Appel, K. E. Psychiatry in industry. Occupat. Ther. Rehabil., 1931, 10: 207-16.—**Bingham, W. V.** Achievements of industrial psychology. Ment. Hyg., Alb., 1930, 14: 369-83.—**The future of industrial psychology.** J. Consult. Psychol., 1937, 1: 9-11.—**Industrial psychology and government.** J. Appl. Psychol., 1940, 24: 1-9.—**Blum, E.** Zur Psychologie und Psychopathologie der Arbeit. Praxis, Bern, 1941, 30: 119-25.—**Carlton, F. T.** Psychology and management. Sc. Month., 1928, 26: 350-2.—**Chambers, F.** Psychology in the industrial life of the nation. In Human Affairs (Cattell, R., et al.) Lond., 1938, 72-89.—**Culpin, M.** Psychological disorders in industry. Practitioner, Lond., 1936, 137: 324-33.—**The application of medical psychology in industry.** Med. Off., Lond., 1937, 57: 117-20.—**Eliasberg, W.** Richtungen und Entwicklungen der Arbeitswissenschaft mit besonderer Berücksichtigung der Psychopathologie und Psychotherapie der abhängigen Arbeit. Zschr. ges. Neur. Psychiat., 1926, 102: 250-82.—**Brief aus Moskau; über den gegenwärtigen Stand der psychischen Hygiene der Arbeit und über die moderne Psychotechnik in Russland.** Deut. med. Wschr., 1931, 57: 2115-7.—**Enter** the industrial psychologist. Brit. M. J., 1941, 1: 164.—**Garrison, K. C.** Industrial psychology. Personnel J., 1939, 17: 274-8.—**Giberson, L. D.** The technique of listening to the worried employee. Indust. M., 1940, 9: 414-7.—**Gilbreth.** Psychotechnique and scientific management. C. rend. Conf. internat. psychotechn. (1927) 1929, 4. Conf., 283.—**Giusti.** Taylorisme et psychotechnique. Arch. internat. neur., Par., 1935, 27. ser., varia, iii-vii.—**Goode, C. E., & Trimble, O. C.** Industrial uses for applied psychology. Personnel J., 1939, 18: 173-6.—**Hall, G. S.** Psychology and industry. Pedagog. Semin., Worcester, 1920, 27: 281-93.—**Hellerstein, S. G.** The foundations of psychotechnics as applied to the field of industrial psychology in the USSR. C. rend. Conf. internat. psychotechn. (1934) 1935, 8. Conf., 103-7.—**Industrial psychology.** Med. Off., Lond., 1940, 64: 215; 1942, 67: 59.—**Kessler, H., & Reznikoff, L.** Industrial psychiatry and vocational rehabilitation of the physically disabled. Occup. Ther. Rehabil., 1936, 15: 77-98.—**Levi, E.** Finalità etico-pratiche e metodologia dell'indagine psicologica nelle malattie del lavoro. Rass. med. lavoro indust., 1931, 2: 169-93.—**Lockhart, L. P.** Some psychological problems in industry. J. R. San. Inst., 1933, 54: 87-91.—**McGregor, D., Arensberg, C.** [et al.] Industr. Psychol. Bull., 1940, 37: 433-7.—**Mayo, E.** Psychopathologic aspects of industry. Tr. Am. Neur. Ass., 1931, 57: 468-75.—**Meltzer, H.** Explorations in humanizing relations of key people in industry. Am. J. Orthopsychiat., 1942, 12: 517-28.—**Moore, B. V.** Interpreting psychological data to those who must use them in industry. J. Consult. Psychol., 1940, 4: 106-10.—**Musgrave, H.** Industrial psychology. In Fields of Psychol. (Seashore, R. H.) N. Y., 1942, 359-403.—**National (A) Institute of Industrial Psychology and Physiology.** Lancet, Lond., 1920, 1: 779.—**Norbury, F. P.** Psychology and psychiatry in industry. Internat. J. M. & S., 1933, 46: 222-32.—**Oakley, C. A.** The psychological factor in industry. Glasgow M. J., 1938, 129: 140.—**Palme, A.** Der Werkspädagoge in der Textilindustrie. C. rend. Conf. internat. psychotechn. (1934) 1935, 8. Conf., 152-9.—**Parney, F. S.** A practical approach to supervision of mental health in industry. Indust. M., 1940, 9: 72-7.—**Pear, T. H.** Industrial psychiatry and public health. J. R. San. Inst., 1933, 54: 76-81.—**Plaut, P.** Psychologie und Arbeitswissenschaft. Zschr. angew. Psychol., 1930, 36: 87-103.—**Raphael, R. O.** The application of psychology to industry. Discovery, Lond., 1926, 7: 353-7.—**Saper, A. L.** [Use of psychotechnics in the study of industrial diseases] Profess. pat. gig., 1928, 39-45.—**Schultz, R. S.** Psychology in industry. Personnel J., 1937-38, 16: 220-3.—**Starch, D.** What psychologist can do in business. J. Consult. Psychol., 1942, 6: 92-4.—**Technopsychology.** Med. J. & Rec., 1927, 125: 563.—**Uhrbrock, R. S.** Industrial psychology as a career;

report of the A. C. P. Committee on psychology in industry. J. Social Psychol., 1938, 9: 251-86.—**Viteles, M. S.** Psychology and psychiatry in industry; the point of view of a psychologist. Ment. Hyg., Alb., 1929, 13: 361-77.—**The application of psychology in American industry.** Gen. Papers Internat. Management Congr., 1938, 7. Congr., 78-83.—**Walther, L.** Technopsychology in a Swiss industry. Personnel J., 1929, 8: 1-18.—**Wilson, D. R.** On the international organisation of industrial psychology. C. rend. Conf. internat. psychotechn. (1927) 1929, 4. Conf., 619-24.—**Wulfeck, W. H.** Psychology and management. Personnel J., 1940-41, 19: 49-54.—**Zabugin, F. D.** [Association experiment in the clinic of industrial and social diseases] Profess. pat. gig., 1929, 16-23.

INDUSTRIAL school.

See also Industrial worker, Apprenticeship.

Fürst, T. Einige Beobachtungen über die Umschulung von Schülern höherer Lehranstalten in gewerbliche Berufsschulen. Zschr. Schulgesundh., 1929, 42: 494-500.—**Hopkins, W. S.** The Pacific Coast School for Workers. Labor Inform. Bull., Wash., 1939, 6: No. 8, 6.—**Martiny, M., & Morlaas, J.** L'orientation professionnelle; le dépistage médical réalisé aux ateliers-écoles de la Chambre de Commerce de Paris (son importance économique et sociale) Vie méd., 1931, 12: 1171-6.—**Marzi, A.** L'orientation professionnelle dans les écoles industrielles et les services de la ville de Florence. C. rend. Conf. internat. psychotechn. (1934) 1935, 8. Conf., 363-6.—**Tomlinson, R. W.** Medical report of the Ferris Industrial School. Delaware M. J., 1936, 8: 181-4.

INDUSTRIAL work.

See also Industrial worker; Work.

SNOEP, P. P. *Technisch-hygiënische beschouwingen over de economie van den industriëlen arbeid [Delft] 194p. 26cm. Leiden, 1918.

Bloch, W. Die Anwendungen der Mathematik im Zeitstudienwesen. Product. Papers Internat. Management Congr., 1938, 7. Congr., 144-51.—**Gazcue, A.** Trabajo frente al imperativo de la vida. Bol. sal. pùb., Montev., 1941, 2. época, 1: No. 3, 111-7.—**Gomes, E. L.** Higiene do trabalho industrial. Med. cir. pharm., Rio, 1941, 203-5.—**Imbert, A.** Etudes expérimentales de travail professionnel ouvrier. Arch. Volkswohlft., 1907-8, 1: 166; 824.—**Kaplan, S.** Sanitäre Charakteristika detaillierter Berufszeile. Zbl. Gewerbehyg., 1926, n. F., 3: 309-12.—**Prosperi, G.** La salute e l'igiene nel lavoro. Italia san., 1927, 19: No. 13, 3-6.—**Van Poppelen, F. J.** Work standardization and evaluation. Product. Papers Internat. Management Congr., 1938, 7. Congr., 117a-117c.

Conveyer system.

DÜKER, H. Psychologische Untersuchungen über freie und zwangsläufige Arbeit; experimentelle Beiträge zur Willens- und Arbeitspsychologie. 160p. 8° Lpz., 1931.

Durig, A. Fließarbeit und Arbeiterschutz. Arbeiterschutz, 1928, 1, 7.—**Efimov, V. V., Salzgeber, O. A.** [et al.] Die vergleichende physiologische Wirkung der Arbeit beim individuellen, beim manipulationsweisen und beim Konveyersystem. Arbeitsphysiologie, 1930, 3: 218-29. Also Gig. bezopas, pat. trud., 1930, 8: 24-31.—**Efimov, V., Sarkh, M., & Krasnikova, J.** Übung und Ermüdung der Arbeiter bei Fließarbeit. Zschr. angew. Psychol., 1931, 38: 120-35.—**Efimov, V. V., Sarkh, M. N.** [et al.] Physiologische und biochemische Untersuchungen der Fließarbeit des Nerventypus (Eigentümlichkeiten des Gaswechsels und der Biochemie des Blutes bei Nerventätigkeit) Arbeitsphysiologie, 1930, 3: 372-96.—**Graf, O.** Untersuchungen über die Wirkung zwangsläufiger zeitlicher Regelung von Arbeitsvorgängen. Ibid., 1929-30, 2: 575; 1933, 7: 333; 381.—**Kagan, E. M.** Physiologische Vergleichsuntersuchung der Hand- und Fließ-(Conveyer) Arbeit. Arch. Hyg., Münch., 1928, 100: 335-66.—**Pfeiler, L.** Der Betriebsschutz bei Fließarbeit. Arbeiterschutz, 1927, 3: 21-7.—**Riedig, F.** Fließarbeit und Hygiene. Zbl. Gewerbehyg., 1927, n. F., 4: 72-5.—**Rupp, H.** Psychologie der Fließarbeit. C. rend. Conf. internat. psychotechn. (1927) 1929, 4. Conf., 235-41.—**Seiff.** Die Fließarbeit in Deutschland und ihre Gefahren vom Standpunkt der Arbeiterfürsorge. Zbl. Gewerbehyg., 1928, n. F., 5: 247-50.—**Wunderlich, H.** Bemerkungen zur Psychologie der einformig zwangsläufigen Arbeitsprozesse. Zschr. angew. Psychol., 1927, 28: 328-32.

Effect.

See also Industrial worker, Disease, occupational.

UNITED STATES. NATIONAL RESEARCH COUNCIL. COMMITTEE ON WORK IN INDUSTRY. Fatigue of workers. 165p. 23cm. N. Y., 1941.

Armbruster. Direkte und indirekte Krankheitsfolgen einer Hausindustrie. Aerzil. Sachverst. Ztg., 1921, 27: 276-8.—

Baryshnikov, K. I. [Characteristic of speed in physiology and pathology of work] *Gig. bezopas. pat. truda*, 1930, 8: 20-6.—Budarin, P. I., Ivanov, A. P. [et al.] [Effect of muscular work on various constitutions of the workmen] *Vrach. gaz.*, 1930, 34: 601-5.—Davies, A. H., Smith, M. [et al.] Discussion on the physical and mental effects of monotony in modern industry. *Brit. M. J.*, 1926, 2: 472-9.—Donaggio, A. Effetti psichici del lavoro macchinale (considerazioni sull'opportunità del risveglio dell'artigianato) *Med. lavoro*, 1926, 17: 285-95. Also *Riv. sper. freniat.*, 1926, 50: 278-94.—Fuchs, P. Gesundheitsstörungen durch körperliche Arbeit. *Deut. med. Wschr.*, 1927, 53: 1479.—Güntz, Schädern der Arbeit. *Verh. Deut. orthop. Ges.* (1935) 1936, 30. Congr., 205-20.—Hallermann. Wechselbeziehungen zwischen Mensch und Arbeit in Grossbetrieben. *Ber. Internat. Congr. Unfallmed.* (1938) 1939, 8. Congr., 1: 304-22.—Hayhurst, E. R. Industry as a source of disease. *Indust. M.*, 1937, 6: 329-37.—Hebestreit, H. Die Kennzeichnung der Arbeitsbeanspruchung und ihre praktische Bedeutung. *Arch. Gewerbepath.*, 1940-41, 10: 164-222 (microfilm).—Medical aspect of the problem of high production. *J. Am. M. Ass.*, 1941, 117: 2183.—Nachimson, L. I., & Rozhansky, V. I. [Dependence of the virulence of bacterial flora of the worker's hands upon the specificity of the industry] *Tr. Moskov. gosud. med. inst.*, 1936, No. 5, 203-9.—Oliver, T. Our mechanistic age. *J. State M.*, Lond., 1936, 44: 191-8.—Podkaminsky, N. A., Beiträge zur pathologischen Arbeitsphysiologie; die Einwirkung der Gewerbearbeit in einer gebeugten Sitzstellung auf die Dimensionen des Herzens. *Arbeitsphysiologie*, 1930, 3: 347-59.—Rosenthal, W., & Rosenthal-Deussen, E. Gesundheitliche Gefahren neuer Arbeitsmethoden. *Deut. med. Wschr.*, 1930, 56: 1444; 1487.—Speroni, C. La voz de la asistencia pública; influencia de la industria en la salud del obrero. *Rev. méd. Rosario*, 1937, 11: No. 107, 32-5.—Strauss, W. Klima und Arbeit; methodische Voruntersuchungen. *Arch. Gewerbepath.*, 1930, 1: 203-39.—Wunderlich, H. Die Einwirkung einformiger, zwangsläufiger Arbeit auf die Persönlichkeitsstruktur; ein experimenteller Beitrag zur industriellen Psychotechnik. *Zschr. angew. Psychol.*, 1925, 25: 321-73.—Zhdanov, N. P. [Influence of night work on the psychophysical sphere in women] *Gig. epidem.*, 1928, 7: 44-53.

Physiology.

See also **Work, Physiology.**

Ascher, L. Arbeitsphysiologie. *Zbl. Gewerbehyg.*, 1926, n. F., 3: 123.—Brugger, H. Ueber Wesen und Sinn des Berufes; zur Struktur des Arbeitsablaufs. *Zschr. Psychol. Physiol. Sinnesorg.*, 1. Abt., 1937, 140: 309-29.—Crowden, G. P. Some applications of physiology in industry. *Proc. Internat. Physiol. Congr.* (1935) 1938, 15. Congr., 552.—Efimov, V. V., Mitrofanov, P. P. [et al.] Die physiologische Rationalisierung der Arbeitsordnung bei verschiedenen Berufen; Untersuchungen über den physiologischen Einfluss von physischer Arbeit bei sehr hoher und bei mässiger Umgebungstemperatur, besonders bezüglich der Arbeitszeit. *Arbeitsphysiologie*, 1930, 3: 207-17.—Knabenhof, V. G. [Energy loss in workers during rotational pit-boring] *Vopr. pitan.*, 1941, 10: No. 2, 14-7.—Kravchinsky, B. D. Die Wirkung der Gewerbearbeit auf das Basenstoffgleichgewicht des Blutes. *Arbeitsphysiologie*, 1931, 4: 259-67.—Laugier, H. La physiologie et la science du travail. *Rev. gén. sc. pur.*, 1929, 40: 266-72.—S., E. H. Physiology in the workshop. *Nature*, Lond., 1916-17, 97: 162.—Semernin, I. I. [Investigations of the neuro-muscular excitability in relation to work; changes in rheobase and chronaxia in relation to industrial working processes] *J. physiol. USSR*, 1938, 25: 276-82.—Simonson, E. Rationalisierung industrieller Arbeit nach physiologischen Gesichtspunkten. *Arbeitsphysiologie*, 1928-29, 1: 503; 540.—Zelensky, E. A. [Investigations of physiological over-load in present methods of working in the coal-mines] *Avtoref. Sezd. fiziol. biokhim. farm.*, 1937, 7. Congr., 204.

INDUSTRIAL worker.

See also **Industry**; also such headings as **Employee**; **Employment**; **Occupation**; **Unemployment**, etc.

McCord, C. P. Industrial workers of 1960. *Indust. M.*, 1940, 9: 173-9.—Reuter, F., & Atzler, E. Der Mensch in Betrieb und Wirtschaft, ein gemeinschaftlicher Beitrag. *Gen. Papers Internat. Management Congr.*, 1938, 7. Congr., 57-60.—Schulte, K. O. Grading of labor occupations. *Product. Papers Internat. Management Congr.*, 1938, 7. Congr., 152-7.

Absenteeism.

Brown, M. Role of psychiatry in absences. *Indust. M.*, 1943, 12: 26 (Abstr.).—Colquitt, Z. A. Absenteeism follow-up by the nurse. *Pub. Health Nurs.*, 1942, 34: 138-41.—Diagnosis of absenteeism; highlights on the problem. *Indust. M.*, 1942, 11: 429.—Fletcher, A. What the results of absenteeism audit mean in dollars and cents. *Proc. Indust. Hyg. Found. America*, 1941, 6. meet., 28-34. —Absenteeism costs. *Indust. M.*, 1942, 11: 21.—Fremantle, F. [Absenteeism] permissible on occasion. *Lancet*, Lond., 1942, 2: 171.—Hours of work and lost time. *Brit. M. J.*, 1942, 1: 298.—Kurz, R. F. How the industrial nurse can help to prevent absenteeism from non-occupational causes. *Pub. Health Nurs.*, 1936, 28: 93.—Kushnick, W. H. Role of psychology in absences. *Indust. M.*,

1943, 12: 25 (Abstr.).—McMahon, J. F. Audit your absenteeism. *Personnel J.*, 1942, 21: 158-64.—Mudd, R. D. Absenteeism in industry. *Trained Nurse*, 1941, 106: 344-50.—Sayers, R. R., & Gafafer, W. M. More manpower through the reduction of absences. *Indust. M.*, 1943, 12: 23 (Abstr.).—Studies on absenteeism; American Association of Industrial Physicians and Surgeons. *Ibid.*, 1940, 9: 450.

Absenteeism, involuntary.

See subheading **Disease: Statistics**; also **Employee, Sickness**.

Apprenticeship.

See also subheading **Youth**.

Arend, J. P., & Robert, A. Rôle de la psychotechnique dans la rationalisation de l'apprentissage industriel. *C. rend. Conf. internat. psychotechn.* (1927) 1929, 4. Conf., 443-68.—Buyse, O. Le problème psycho-physique de l'apprentissage. *Rev. psychol.*, Brux., 1910, 3: 377-96.—Gerber, P. Ueber Entwicklungsstörungen und Krankheitsanfälligkeits im Lehrlingsalter. *Wien. med. Wschr.*, 1929, 79: 240-5.—Godeke, J. Berufsschäden im Lehrlingsalter. *Zbl. Gewerbehyg.*, 1937, n. F., 14: 57-9.—Heinzler, A. Volksschulleistung, Eignungsprüfung und handwerkliche Berufstüchtigkeit; eine Untersuchung an Lehrlingen aus dem Würzburger Metallgewerbe. *Arch. ges. Psychol.*, 1939, 105: 162-216.—Hochholzer, H. Berufswünsche und Berufssorgen untersucht an Wiener Lehrlinginnen. *Zschr. pädag. Psychol.*, 1938, 39: 137-43.—Lukács, H. Die Psychologie des Lehrlings. *Zschr. Gewerbehyg.*, 1925, 31: 125; 140.—Pallokat, F. Ostpreussische Lehrling und Hofgänger in ihrem Verhältnis zu Beruf und Arbeit. *Zschr. angew. Psychol.*, 1935, 49: 2-91.—Patterson, W. F. Identified apprenticeship. *Personnel J.*, 1936-37, 15: 96-9.—Schlesinger, E. Die Entwicklung der Lehrlinge in den verschiedenen Berufen. *Arch. Gewerbepath.*, 1935, 6: 393-410.—Schmid, E. One man looks at apprenticeship. *Occupations*, 1940-41, 19: 341.—Zimmermann, I., & Peller, S. Nachuntersuchungen von Elektrotechnikern und Ledergalanteriearbeitern im Lehralter. *Arch. Gewerbepath.*, 1933-34, 5: 424-8.

Clothing.

See also **Clothing**.

Feilgenhauer, H. Die Bedeutung weiblicher Arbeits-, Berufs- und Schutzkleidung und die Möglichkeit ihrer Normung. *Zbl. Gewerbehyg.*, 1939, Beih. 28, 37-42.—Giesenhause, O. Arbeits- und Schutzkleidung in Hitze- und Feuerbetrieben. *Ibid.*, 52-70.—Hebestreit, H. Ein guter Wetter-schutzumhang. *Ibid.*, 1938, n. F., 15: 261.—Heidorn, W. Der gegenwärtige Entwicklungsstand der Schutzkleidung unter Tage. *Ibid.*, 1939, Beih. 28, 89-102.—Koenig, W. Arbeitskleidung und Schutzkleidung in Staub- und Schmutzbetrieben. *Ibid.*, 103-14.—Pitz, R. Sozialpolitische Fragen zum Thema: Arbeit und Kleidung. *Ibid.*, 43-8.—Safety in uniform. *Travelers Stand.*, 1942, 30: 204-8.—Schophaus, H. Arbeitsschutz durch Kleidung; Wirtschaftliches zum Thema. *Zbl. Gewerbehyg.*, 1939, Beih. 28, 26-36.—Wolff, Arbeitskleidung und Schutzkleidung in der chemischen Industrie. *Ibid.*, 115-27.—Zeiss, H. Vom Sinn und Wesen der Arbeitskleidung. *Ibid.*, 1-10.—Zweiling, G. Erfahrungen über die Verwendung von Arbeitsschutzkleidung in Hütten, Walzwerken und Giessereien; unter Anführung von schweren, auch tödlichen Unfällen, die auf ungeeignete Arbeitskleidung sowie auf Nichtbenutzung von Arbeitsschutzkleidung zurückzuführen sind. *Ibid.*, 71-5.

Dental service.

See also **Dentist, Social service**; **Group medicine, Dental care**.

Dunning, J. M. Steps in the initiation of an industrial dental service. *J. Am. Dent. Ass.*, 1942, 29: 1523-7.—Hooper, H. A. Dental services in industry; observations on their effects in the reduction of absenteeism. *Indust. M.*, 1942, 11: 157-62.—Leedke, H. H. Report of a dental program; February, 1941, through January, 1942. *Ibid.*, 400-2.—Magnellia, W. War workers need dental care. *Oral Hyg.*, Pittsb., 1943, 33: 46-9.—Morgan, L. D. Dental experts for transport companies. *Ibid.*, 1942, 32: 925-8.—Sykes, F. C. A dental service in industry; outline of an interim scheme. *Nurs. Times*, Lond., 1942, 38: 352.—Walls, R. M. A dental program for industry. *J. Am. Dent. Ass.*, 1942, 29: 1083; 118: 644. —& Dollar, M. L. Dental service in industry. *Ibid.*, 29: 299-301.

disabled.

See **Disability**; **Disabled**; **Rehabilitation**; **Workmen's compensation**.

Disease.

See also under names of various diseases.

SCHMIDT, E. *Der Einfluss längerer vorange-gangener Arbeitslosigkeit auf die Krankenziffer der Textilarbeiter im Bezirk Lörrach [Freiburg] 19p. 21cm. Müllheim, 1937.

Alessandri, C. Malattie professionali e malattie comuni nei lavoratori. Assist. sociale, Roma, 1936, 10: 464-72.—Boccia, D. Biotipologia y medicina del trabajo. Prensa méd. argent., 1939, 26: pt 2, 2331-40.—Dignam, B. S. A survey of non-occupational injuries and illnesses in a major carpet mill for 1940. Indust. M., 1941, 10: 242-4.—Di Prisco, L. Importanza clinica della prognosi lavorativa nei suoi riflessi medico-sociali. Fol. med., Nap., 1939, 25: 1089-95.—Forster, N. K., & Leedke, H. H. A survey of non-occupational illnesses and injuries in a major oil refinery. Indust. M., 1941, 10: 1-5.—Gafafer, W. M. The course of disabling morbidity among industrial workers, 1921-38. Ibid., 1940, 9: 55-61.—Garton, H. W. Chronic systemic diseases; in industrial workers; public health and compensation aspects. Ibid., 1939, 8: 459-64.—Germann, J. G. Klinische Bewertung der Reaktionen des Arbeiterorganismus und ihre pathogenetische Bedeutung. Zbl. Gewerbehyg., 1929, n. F., 6: 138; 161; 207; 232.—Goldhorn, E. Dental infections and the industrial worker. J. Am. Dent. Ass., 1942, 29: 118-26.—Hallermann. Arbeitsmedizinische Erfahrungen über Krankheitsanfänge. Klin. Wschr., 1940, 19: 639 (microfilm).—Hoffman, C. E. Influence of trades on disease. North Am. J. Homeop., 1910, 58: 234-50.—Hoffmann, H. F. Krank oder gesund? Deut. med. Wschr., 1936, 62: 267-9.—Ichok, G. L'infirmière industrielle; la fatigue dans l'industrie; le chômage et les maladies; le travail des ouvriers atteints d'une maladie chronique. Infirmière fr., 1926, 4: 187-93.—Industrial diseases in British factories, 1937. Month. Labor Rev., 1938, 47: 1027-9.—Kotkis, A. J. Emergencies arising from physical agents. Med. Clin. N. America, 1942, 26: 509-26.—McGee, L. C., & Creger, J. D. Gastrointestinal disease among industrial workers. J. Am. M. Ass., 1942, 120: 1367-9.—Mastio, C. Osservazioni sulla patologia dei lavoratori delle bonifiche. Difesa sociale, 1937, 16: 909-15.—Rabinovich, J. S., & Shukher, I. S. [Role of various industries on the course and outcome of typhoid fever and acute pneumonia] Mosk. med. J., 1929, 9: 44-50.—Schevelov, M. M. [Influence of diseases on the population and its capacity for work] Profil. med. Kharkov, 1927, 6: No. 3, 66-71.—Schoenleber, A. W. Medical statistics for 1940. Med. Bull. (Standard Oil Co.) N. Y., 1941-42, 5: 1-21.—Squier, T. L. The prevalence of unsuspected disease in industrial workers. Wisconsin M. J., 1931, 30: 167-72.—Swan, J. M. The relation of industry to diseases of the heart and lungs. N. York M. J., 1913, 98: 69.—Ward, R. V. Adult diseases in an industrial population. Canad. Pub. Health J., 1932, 23: 420.—Chronic fatigue symptoms among industrial workers. Ibid., 1941, 32: 464-7.

Disease: Certification and notification.

METTERT, M. T. State reporting of occupational disease, including a survey of legislation applying to women. 99p. 8° Wash., 1934.

Andrews, J. B. The beginning of occupational disease reports. Am. Labor Legis. Rev., 1911, 1: 107-13.—Cannon, O. A. Notification of occupational diseases. Canad. M. Ass. J., 1926, 16: 278-80.—Curschmann, F. Die Anzeigepflicht von Berufskrankheiten. Medizinisch. Deut. Reich, 1913, 4: 1-16. Also Zbl. Gewerbehyg., 1913, 1: 39-46.—Anzeigepflicht von Berufskrankheiten durch den behandelnden Arzt. Ibid., 1925, n. F., 2: 131-5.—Feil, A. La déclaration des maladies professionnelles. Presse méd., 1937, 45: 31.—Gerbis. Meldepflichtige Berufskrankheiten. Fortsch. Med., 1926, 44: 45-50.—Had the certifying doctor known. Lancet, Lond., 1941, 2: 471.—Hatch, L. W. Compulsory reporting [of industrial diseases] by physicians. Am. Labor Legis. Rev., 1912, 2: 264-72.—Howitt, H. G., & Curry, S. Certificates by practitioners. Brit. M. J., 1941, 1: 794.—Koelsch, F. Die Anmeldung von Gewerbekrankheiten. Münch. med. Wschr., 1912, 59: 2345.—Kranenburg, W. R. H. Die Meldung von Gewerbekrankheiten in den Niederlanden. Zbl. Gewerbehyg., 1914, 2: 5-8.—Lautsch. Wer ist bei Meldung von Berufserkrankungen gebührenpflichtig? Deut. med. Wschr., 1936, 62: 1477.—Marcus, A. Record card for industrial cases. Ohio M. J., 1940, 36: 971.—Medical certification. Brit. M. J., 1941, 1: 802.—Pollet, L. Le nouveau décret sur la déclaration des maladies d'origine professionnelle. Ann. méd. lég., 1935, 15: 976-81.—Reinheimer, L. Der behandelnde Arzt und die Meldepflicht der gewerblichen Berufskrankheiten. Münch. med. Wschr., 1926, 73: 624.—Status of certification. Connecticut M. J., 1941, 5: 591.—Tekelenburg, P. Monthly medical reports. Med. Bull. (Standard Oil Co.) N. Y., 1935-36, 2: 199-203.—Teleky, L. Feststellung und Überwachung gewerblicher Erkrankungen in Preussen; Rückblick und Ausblick. Klin. Wschr., 1922, 1: 1801.—Thompson, N. G. Reporting of occupation diseases by physicians. Acad. Polit. Sc., N. Y., 1911, 2: 24-31.—Wrabetz, V. Prompt reporting and cooperation with commissions. Diplomat, 1938, 10: 63-70.

Disease: Compensation.

See Workmen's compensation.

Disease, occupational.

See also Occupational disease; also names of diseases as Anthrax, industrial; Deafness, industrial; Dermatitis, occupational, etc.

Andrews, J. B. Occupational diseases. Proc. Nat. Safety Council., 1913, 2: 91-4.—Baader, E. W. Experience in tema di malattie professionali. Rass. med. lavoro indust., 1933, 4: 497-504.—La importancia de las enfermedades profesionales en un país industrial. Reforma méd., Lima, 1938, 24: 699; 745.—Baldi, F. Berufskrankheiten in Gewerbebetrieben. Mschr. Gesundheitsl., 1907, 25: 2-16.—Caplescu, P. Industrial diseases] Romania med., 1935, 13: 90-3.—Curschmann, F. Der Begriff der Berufserkrankung. Zbl. Gewerbehyg., 1924, n. F., 1: 2-5.—Drooge, J. van. Het groote vraagstuk der bedrijfsziekten. Centr. org. Werkl. verzek., 1907, 5: 49; 97.—Ferguson, T. Industrial diseases. In Textb. M. Treat. (Dunlop, D. M.) 2. ed., Edinb., 1942, 313-38.—Fulton, W. B. National defense and occupational disease. Indust. M., 1941, 10: 398-400.—Greene, A. J. Industrial diseases. Lancet, Lond., 1907, 1: 685.—Hayhurst, E. R. Occupational diseases. Proc. Nat. Safety Council., 1916, 5: 640-6. Also Indust. M., 1935, 4: 653-5.—Heijermans, L., & Kooperberg, P. Bedrijfsongereken en beropziekten. Ned. tscr. geneesk., 1911, 1: 754-68.—Heinrich, H. W. Occupational disease. In his Indust. Accid. Prev., 2. ed., N. Y., 1941, 289-96.—Hope, E. W. Industrial disease as viewed from the standpoint of a medical officer of health. J. State M., Lond., 1929, 37: 210-20.—K. Malattie professionali e infortuni sul lavoro. Riv. ingegn. san., 1910, 6: 21-3.—Koelsch, F. Die gewerblichen Berufskrankheiten. Opera Internat. Congr. Indust. Accid. (1928) 1929, 5, Congr., 123-34.—Legge, R. T. Occupational diseases and their relative importance to medical practice. Indust. M., 1938, 7: 217; 219.—Lenoir, O. Accidents du travail et maladies professionnelles. Méd. acad. travail, Par., 1911, 9: 18-22.—McCord, E. P. Industrial diseases. Eclect. M. J., 1930, 90: 812-8.—Meeker, R. Industrial disease from a new angle. Mod. Hosp., 1920, 14: 66.—Oliver, T. Industrial diseases as international problems. J. State M., Lond., 1929, 37: 435-8.—Procházka, F. O nemocech zivnostenských a jich významu hygienickém a sociálním. Rev. neuropsychopath., Praha, 1911, 8: 321-38.—Quensel. Erfahrungen über gewerbliche Berufskrankheiten. Opera Internat. Congr. Indust. Accid. (1928) 1929, 5, Congr., 485-92.—Querton. Les maladies professionnelles et les accidents du travail. Rev. méd. Normandie, 1911, 12: 21-8.—Rand, W. H. Industrial accidents and occupational diseases. Med. Council, Phila., 1918, 23: 827-30.—Reiter. Berufsschädigung und Volksleistung. Zbl. Gewerbehyg., 1937, n. F., 14: 145-8.—Rohrbach, E. Gewerbekrankheiten. Mitt. Biochem., 1938, 45: 3; 24.—Sappington, C. O. The significance of occupational diseases. Indust. M., 1935, 4: 294-6.—Scott, A. Industrial diseases. Practitioner, Lond., 1908, 81: 837-45.—Shufflebotham, F. Industrial accidents and diseases. Ophthalmoscope, Lond., 1915, 13: 486-91.—Szumski, J. [Industrial diseases] Polska gaz. lek., 1932, 12: 238-41.—Zusammenstellung der meist vorkommenden Gewerbekrankheiten; über Symptome nebst Notizen über Behandlung; erste Hilfe und Vorbeugung. Zschr. Gewerbehyg., 1909, 16: 539; 595.

Disease, occupational: Diagnosis.

Baader, E. W. Entlarvung von Simulanten gewerblicher Krankheiten. Jahrbuch. ärztl. Fortbild., 1934, 25: No. 9, 43-56.—Ballotta, F. Alcune considerazioni sul concetto di ricaduta. Arch. antrop. crim., Tor., 1934, 54: Suppl., 283-9.—Brailsford, J. E. Radiological demonstration of pathological changes induced by certain industrial processes. Brit. J. Radiol., 1938, 11: 393-400.—Curschmann, F. Ärztliche Unterscheidungsmerkmale zwischen Unfall- und Berufskrankheit. Vischr. gericht. Med., 1914, 3: F., 47: 1, Suppl., 89-104.—Dublin, L. I., & Leiboff, P. Occupation hazards and diagnostic signs; a guide to impairments to be looked for in hazardous occupations. Bull. U. S. Bur. Labor Statist., 1922, No. 306. Also U. S. Nav. M. Bull., 1922, 17: 883-919.—Graf, E. Amnestischer Insult als Einzelsymptom. Deut. med. Wschr., 1934, 60: 838.—Hanauer, W. Ist eine Trennung der Gewerbekrankheiten von den gewerblichen Unfällen möglich, und welches sind die Unterscheidungsmerkmale. Aerztl. Sachverst. Ztg., 1910, 16: 405; 429.—Koelsch. Schädigungen des Blutes durch physikalische gewerbliche Einflüsse. Arch. Gewerbepath., 1936-37, 7: 607-41.—Latyshev, L. S. [Pathology of metabolism in industrial diseases] Sovet. klin., 1934, 20: 287-93.—López Esnaurizar, M. Ensayo de clasificación de las enfermedades del trabajador. Medicina, Méx., 1934, 14: 595-7.—Classification des maladies du travailleur. Cir. & cirujanos, Méx., 1936, 4: 7-9.—Martín, E. Qué se debe entender por enfermedades profesionales? Med. trabajo, 1930, 1: 205-11.—Meyer, S. Changes in the blood as reflecting industrial damage. J. Indust. Hyg., 1928, 10: 29-55. Also Arch. Gewerbepath., 1931, 2: 526-57.—Pribram, E. A. Mikrochemische Untersuchungen des Blutes zur frühzeitigen Erkennung gewerbepathologischer Schädigungen. Ibid., 1933-34, 5: 345-54.

Disease, occupational: Etiology and pathogenesis.

BERGER, H. Gewerbliche Unfälle und Erkrankungen durch chemische Wirkungen. 74p. 8° Lpz., 1936.

Bosio, B. Biotipología y medicina del trabajo. Sem. méd., B. Air., 1940, 47: pt 1, 912-5.—Bowen, E. G. Some geographical and anthropological factors in the study of industrial

- diseases. J. State M., Lond., 1930, 38: 666-71.—Feinberg, S. The role of allergy in industry. Proc. Occup. Dis. Sympos. (1937) 1938, 1-8.—Grand, B. Aparato digestivo y enfermedad profesional. Med. trabajo, 1931, 2: 67-83.—Hirsch, S. Berufskrankheiten, ihre Entstehungsbedingungen und ihre Verhütung. Umschau, 1928, 32: 743-5.—Hoder, F. Berufskrankheiten des Arbeiters, besonders im Bauwesen. Zschr. Gesundheitswiss., 1933, 25: 207-16.—Jagie, N. von, & Seyfried, H. Ueber Bedeutung von Konstitution und Rasse bei der Entstehung von Arbeitsschäden. Med. Klin., Berl., 1940, 36: 1411-3 (microfilm).—Molfinio, F. Malattie professionali da cause fisiche ambientali. Rass. med. indust., 1939, 10: 661-73.—Mori, A. Contributo alle affezioni professionali (lesioni da compressione) Ramazzini, 1908, 2: 78-84. — Ancora un contributo alle affezioni professionali da compressione e da contusione. Lavoro, Milano, 1914, 7: 1-7. — Delle asimmetrie delle regioni esterne del corpo umano in rapporto alla patologia del lavoro. Ramazzini, 1915, 9: 417-20. — Idiosincrasia e anafilassi in rapporto alla patologia del lavoro. Arch. antrop. crim., Tor., 1927, 47: 630-60.—Panisset, L. Les maladies professionnelles d'origine animale. Rev. path. comp., Par., 1922, 22: 457-9.—Piccinini, P. Malattie e stimate degli scopai. Q. med. leg., Milano, 1918, 2: 97; 129.—Prenn, J. Industrial etiology. Boston M. & S. J., 1919, 180: 628.—Rand, W. H. Missing links in the chain of evidence concerning occupational diseases. Am. J. Pub. Health, 1917, 7: 835-9.—Raspail, F. V. Pseudo-épidémies; épidémies industrielles et médicales. Rev. compl. sc. appl. méd., Par., 1855-56, 2: 259-61.—Sandwith, F. M. Diseases of miners, wool-sorters, and others. Clin. J., Lond., 1908, 33: 133-8.—Sappington, C. O. The etiologic, diagnostic, and medicolegal problems of occupational diseases. Illinois M. J., 1937, 71: 143-50.—Schweishheimer, W. Berufshygiene bei Tischlern und Schreibern; Berufsgefährdung; Berufswahl. Zschr. Gewerbehyg., 1929, 35: 107.—Selissky, A. B., & Braude, R. S. [Industrial injuries and dermatoses] Vener. derm., Moskva, 1930, 7: 36-43.—Shirley, J. N. Disease-producing causes in industry. Bull. U. S. Dep. Lab. Div. Lab. Stand., 1935, No. 2: 234-42.—Supino, F. Animali causa di malattie sul lavoro. Med. lavoro, 1929, 20: 207-14.—Tomé Bona, J. M. Estudio elemental de las afecciones cutáneas del trabajo. Siglo méd., 1931, 87: 707-10.—Vergiftings en infectieziekten in verband met bedrijfswerkzaamheden. Centraal-Org. Werklieden-Verzekeringen, Haarlem, 1908, 5. Aflev., 145; 209.—Vishniakov, A. [Skin diseases of workers with brick-kilns] Vrach. gaz., 1931, 35: 539.—Workmen's compensation acts; manifestation of symptoms of occupational disease. J. Am. M. Ass., 1935, 104: 1936.
- Disease, occupational: Medico-legal aspect.
See under Disability; Occupational disease; also Workman's compensation.
- Disease, occupational: Prevention.
See subheading Health protection.
- Disease, occupational: Treatment.
Andrews, J. B. Industrial diseases and occupational standards. Proc. Nat. Conf. Charity, 1910, 37: 440-9.—Betke, H. Die Bedeutung der Bäderbehandlung für die Berufskrankheiten. Zbl. Gewerbehyg., 1929, n. F., 6: 261.—Carozzi, L. Médecins et réparation des maladies professionnelles. Arch. Gewerbepath., 1933-34, 5: 583-91.—Feil, A. La réparation des maladies professionnelles. Presse méd., 1938, 46: 763.—Goldwater, L. J. Criteria of cure in occupational diseases. Indust. M., 1940, 9: 294-6.—Güntz, E. Berufsschäden am Bewegungsapparat, ihre Verhütung und Behandlung. Ther. Gegenwart, 1939, 80: 473-7.—Howes, E. L. Débridement, suturing and chemotherapy. J. Am. M. Ass., 1942, 118: 651.—Michaelis. Prophylaxe und Therapie der Berufskrankheiten. Fortsch. Med., 1929, 47: 605; 652.—Querton. La réparation sociale des maladies professionnelles. J. méd. Bruxelles, 1914, 19: 428-30.—Sternberg, M. Prophylaxe und Therapie gewerblicher Erkrankungen. Wien. klin. Wschr., 1931, 44: 943. —Also Wien. med. Wschr., 1931, 81: 627-31.—Wachtel, C. Das Heilverfahren bei Berufskrankheiten. Mschr. Unfallh., 1931, 38: 518-22.—Zbrojek, V. R. [Correction of heredity and constitution in professional diseases] Vrach. gaz., 1927, 31: 410-6.
- Disease: Statistics.
See also subheading Absenteeism.
KOEHN, F. Die Reform der Morbiditätsstatistik der Krankenkassen. 134p. 8°. Münch., 1932.
MASSACHUSETTS, U. S. A. SPECIAL INDUSTRIAL DISEASE COMMISSION. Report to the general court. Bost., 1934.—
SMITH, K. D., & KISTLER, J. B. Occupational diseases in Ohio. 52 numb. 1. 28cm. [Columbus, O.] 1937.
Bashford, H. Some aspects of sick absence in industry. J. R. San. Inst., 1939-40, 60: 360-3. — Supervision of sick absence in industry. Lancet, Lond., 1942, 2: 289.—
Berufskrankheiten (Die) im Jahre 1932 (nach den Jahresberichten der gewerblichen Berufsgenossenschaften) Arbeiterschutz, 1933, 269; 1934, 204; 1935, 182.—
Berufskrankheiten (Die) in den Jahren 1935 und 1936. Arbeiterschutz, 1938, 62-9.—
Bogolepov, L. S. [Industrial pathology of Soviet Russia] Mosk. med. J., 1928, 8: 54-61.—
Brady, M. R. Reduction of industrial absenteeism by preseasonal immunization against catarrhal illness. Am. J. M. Sc., 1942, 203: 469-73.—
Brehm, P. A. Wasting industrial manpower. Wisconsin Bd. Health Q. Bull., 1941, 6: No. 24, 11.—
Brinton, H. P., & Frasier, E. S. Disabling morbidity among male and female employees in mail order stores, 1930-34, inclusive. Pub. Health Rep., Wash., 1940, 55: 1163-78.—
Brundage, D. K. Sickness among male industrial employees in the second quarter of 1931. Ibid., 1931, 46: 2499-502. — Sickness among male industrial employees during the last 3 months of 1931, and a summary of sickness frequency by years since 1920. Ibid., 1932, 47: 995-1006. — Sickness among male industrial employees (1933, 3. & 4. quarter) Ibid., 1934, 49: 53; 419. — Incidence of illness among male industrial employees in 1933 as compared with earlier years. Ibid., 615-9. — Sickness among male industrial employees (&c., 1934) Ibid., 749-51; 1935, 50: 95; 557.—
Burkard, O. Ueber die Morbiditätsbewegung in der österreichischen Arbeiter-Krankenversicherung. Oester. San. Ws., 1915, 27: 774-82.—
Court, A. T. Sickness absenteeism, present and future. Indust. M., 1942, 11: 271-5.—
Di Prisco, L. Condizioni igienico-sanitarie dei coltivatori di canape nella Campania; dati statistici sulla mortalità e morbidità. Rass. med. lavoro indust., 1932, 3: 378.—
Edginton, R. W. Industrial diseases of Birmingham. Brit. M. J., 1911, 2: 335-7.—
Gafafer, W. M. Disabling industrial morbidity, third and fourth quarters of 1938 and the entire year (&c., for 1939) Pub. Health Rep., Wash., 1939, 54: 691; 1878; 1940, 55: 1, 650. — The course of disabling morbidity among industrial workers, 1921-38. Ibid., 1940, 55: 962-74. — Disabling morbidity among male and female industrial workers during 1938 and 1939, and among males during the first quarter of 1940, with an inquiry into the occurrence of multiple attacks of disabling sickness and injuries, 1939. Ibid., 1402-6. — Studies on the duration of disabling sickness; duration of disability from sickness and nonindustrial injuries among the male and female memberships of 25 industrial sick benefit organizations, 1935-37, inclusive. Ibid., 1892-1903. — Disabling morbidity among industrial workers (2. & 3. quarter, &c.) with a note on the occurrence of bronchitis, pneumonia, and appendicitis, 1931-40. Ibid., 2127; 2397. — Disabling sickness among industrial workers; with particular reference to time changes in duration. Am. J. Pub. Health, 1941, 31: 443-56. — Sick absenteeism among a sample of member companies of the Industrial Hygiene Foundation, first 6 months of 1941. Proc. Indust. Hyg. Found., America, 1941, 6. meet., 12-27. — Disabling morbidity among industrial workers, final quarter of 1940, with an index of the previous publications of this series. Pub. Health Rep., Wash., 1941, 56: 799-801. — Frequency of disabling morbidity by cause, and duration, among male and female industrial workers during 1940, and by cause among males during the first quarter of 1941. Ibid., 1848-52. — Disabling morbidity among industrial workers, second quarter of 1941, with a note on the occurrence of pneumonia among iron and steel workers. Ibid., 2052. — Disabling morbidity among industrial workers [3. & 4. quarter, 1941; 2. quarter, 1942] Ibid., 2428; 1942, 57: 588; 1620. — Frequency and duration of disabilities causing absence from work among the employees of a public utility, 1938-41. Ibid., 625-8. — Disabling morbidity among male and female industrial workers during 1941, and among males during the first quarter of 1942. Ibid., 1344-7. — Sick absences. Indust. M., 1942, 11: 21. — The measurement of sickness among industrial workers. Med. Clin. N. America, 1942, 26: 1105-20.—
George, I. L., & Allen, C. E., jr. Preliminary report on sickness at Baton Rouge refinery. Med. Bull. (Standard Oil Co.) N. Y., 1939-41, 4: 7-13.—
Gudakunst, D. W., Markuson, K. E., & Hepler, J. M. One year of occupational disease reporting in Michigan. J. Michigan M. Soc., 1939, 38: 222-6.—
Hattapa, W. Berufskrankheiten und Arbeitsunfälle des Jahres 1937 mit besonderer Beachtung der im Gesundheitsdienst und in der Wohlfahrtspflege Beschäftigten. Med. Welt, 1939, 13: 924-6.—
Hayhurst, E. R. A summary of occupational diseases and diseases partly occupational reported to the State Board of Health in the last 6 months of the year 1915, in accordance with section 1234, 1-3 (O. L., 103, 1913) and arranged according to U. S. census symbols. Ohio Pub. Health J., 1916, 7: 144-50. — Occupational disease report shows increase of cases. Ohio Health News, 1935, 11: 1. — Occupational disease report for 1934 and summary for past years. Ohio M. J., 1935, 31: 275-8. — Occupational diseases in Ohio; an analysis of reports filed with State Department during the year 1935. Ibid., 1936, 32: 676-9. — & Kindel, D. J. Occupational diseases reported to the Ohio State Department of Health for the 5-year period ending June 30, 1925. J. Indust. Hyg., 1926, 8: 143-64.—
Hepler, J. M. Six months of occupational disease reporting. J. Michigan M. Soc., 1938, 37: 621-3.—
Hoffman, F. L. Industrial accidents and industrial diseases. Pub. Am. Statist. Ass., 1908-9, 11: 567-603. — Industrial accidents and trade diseases in the United States. Tr. Internat

- Congr. Hyg. Demogr. (1912) 1913, 15. Congr., 1: pt 2, 763-803.—**Hooper, H. A.** Dental ill-health in relation to absenteeism. *Indust. M.*, 1943, 12: 3-5.—**Increase** (The) in occupational diseases. *J. Am. M. Ass.*, 1937, 108: 741.—**Industrial disease in 1932.** *Lancet*, Lond., 1933, 1: 318.—**Industrial diseases in 1939.** *Med. Leg. Crim. Rev.*, Lond., 1941, 9: 155-8.—**Industrial morbidity statistics.** *Pub. Health Rep.*, Wash., 1918, 33: 1429-34.—**Industrial morbidity statistics.** *J. Indust. Hyg.*, 1924-25, 6: 357-60.—**Krundage, D. K.** Sickness among male industrial employees during the first quarter of 1932. *Pub. Health Rep.*, Wash., 1932, 47: 1509-11.—**Langelez, A.** Les maladies professionnelles en Belgique. *Bruxelles méd.*, 1934-35, 15: 673-8.—**Le malatie professionali nel Belgio, 1938-40.** *Rass. med. indust.*, 1941, 12: 490 (Abstr.) (microfilm)—**Leak, W. N.** Industrial medicine and sickness absence. *Brit. M. J.*, 1942, 1: 592.—**Lewinski-Corwin, E. H., & Conover, A. E.** Incidence of disease among hospital patients, with reference to occupation. *J. Indust. Hyg.*, 1926, 8: 270-9.—**McAusland, S.** Industrial medicine and sickness absence. *Brit. M. J.*, 1942, 1: 566.—**Manfredi, G.** Le malatie professionali in Francia. *Assist. sociale*, Roma, 1939, 13: 146-54.—**Medical service statistics; Standard Oil Company's 10-year review.** *Indust. M.*, 1942, 11: 593.—**Morbidity of British workers.** *J. Am. M. Ass.*, 1941, 116: 1393.—**Nixon, J. A., & Fox, W. W.** Industrial medicine and sickness absence. *Brit. M. J.*, 1942, 1: 620.—**Occupational disease reports.** *Annual Rep. Michigan Dep. Health*, 1939-40, 68: 93.—**Occupational poisons and diseases in New York, 1934.** In *Handb. Lab. Statist.* (Parker, F. E.) Wash., 1936, 756.—**Pach, H.** Die Berufs-Erkrankungs-, Sterblichkeits- und Unfallverhältnisse der ungarischen Industriearbeiter. *Deut. med. Wschr.*, 1914, 40: 1126; 1171.—**Pelc, H.** [Professional morbidity of the industrial population] *Čas. lékař. česk.*, 1935, 74: 811-4.—**Pryll, W.** Krankenkassen-Morbiditäts Statistik nach Gewerbegruppen. *Opera Internat. Congr. Indust. Accid.* (1928) 1929, 5. Congr., 138-62.—**Rambousek, J.** Weitere Erfahrungen über Gewerbekrankheiten in Böhmen. *Zbl. Gewerbelyg.*, 1914, 2: 172-8.—**Rand, W. H.** 150 cases of occupational disease reported in New York in 1918. *Am. Med.*, 1919, n. ser., 14: 718.—**Reducing absenteeism in industry.** *Med. Care*, 1942, 2: 50.—**Riddell, A. R.** Some remarks on industrial diseases in Ontario. *Canad. M. Ass. J.*, 1925, 15: 510.—**Roberts, K., & Brown, M. W.** Medical plans for industry. *J. Indust. Hyg.*, 1942, 24: Suppl. 2 (Abstr.)—**Rundberg, G.** [Physician's report of all cases of illnesses caused by industrial work] *Hygiea*, Stockholm, 1935, 97: 737-55.—**[The problem of modern occupational diseases in Sweden]** *Nord. med.*, 1939, 2: 1845-56.—**Rutten.** Les maladies professionnelles en Angleterre. *Bull. Ass. belge méd. Soc.*, 1913, 1: 101-4.—**Sappington, C. O.** Industrial morbidity data and the physician. *Am. J. Pub. Health*, 1927, 17: 711-3.—**Occupational diseases; the situation in Illinois.** *Indust. M.*, 1936, 5: 71-3.—**The national occupational disease situation.** *Connecticut Health Bull.*, 1936, 50: 271-3.—**Scottish sickness experience.** *Lancet*, Lond., 1935, 1: 869.—**Sickness among male industrial employees during the first quarter of 1933.** *Pub. Health Rep.*, Wash., 1933, 48: 789-91.—**Sokolov, J. A.** [Data, collected from special notices, in re professional infections and sicknesses] *Mosk. med. J.*, 1926, No. 8, 73-80.—**Soltitsky, E. I.** [Technique of collecting data on occupational morbidity and traumatism in industry] *Gig. sotsial. zdrav.*, 1932, No. 2-3, 17-24.—**Status of the occupational disease question in Ohio based on official figures; retrospect and prospect.** *Ohio Health*, 1923, 14: 134-41.—**Thompson, W. G.** Occupational diseases in New York. *Tr. Internat. Congr. Hyg. Demogr.* (1912) 1913, 15. Congr., 3: 829-35. Also *Cornell Univ. M. Bull.*, 1915, 4: Repr. 3.—**Toja, G.** Tavoie di morbidità e frequenza delle malattie per i prestatori d'opera del commercio (esperienza 1931) *Metron*, Roma, 1932-33, 10: 79-208.—**Truzzi, G.** La morbidità rurale nei suoi rapporti con la medicina del lavoro. *Med. lavoro*, 1934, 25: 59-64.—**Watkins-Pitchford, W.** The industrial diseases of South Africa. *Med. J. S. Africa*, 1914, 9: 196-203; 222. Also *S. Afr. M. Rec.*, 1914, 12: 33-50.—**Wengeler, F.** Unfälle und Berufskrankheiten in den Jenaer Universitätsklinken. *Zschr. ges. Krankenhausew.*, 1939, 1-8.—**Wisconsin workers lose fewer days from their jobs as a result of sickness or accident.** *Wisconsin M. J.*, 1941, 40: Suppl. 5.—**Work of Home Office: factory accidents and industrial diseases.** *Lancet*, Lond., 1935, 2: 223-6.—**Workers' health and war production.** *Med. Care*, 1942, 2: 103-10.—**Zanevsky.** [Professional diseases of industrial population of Minsk as per data of the surgical section, Central Worker's Hospital] *Belorussk. med. misl.*, 1924, 1: No. 2-3, 67-74.—**Zollinger, F.** Einige Bemerkungen zu den statistischen Ergebnissen der SUVA über die Berufskrankheiten und Arbeitsschädigungen in der Schweiz in den Jahren 1928-32. In *Festschr. H. Zangger*, Zür., 1935, 1: 153-62.
- Zeitsstudien und ihre sozialpolitische und privatwirtschaftliche Bedeutung. *Product. Papers Internat. Management Congr.*, 1938, 7. Congr., 141-3.—**Hallett, G. B.** Studying the causes of work failure among industrial employees. *Trained Nurse*, 1940, 105: 462-4.—**Holmes, L. L.** The problem of the middle-aged worker: with special reference to the Akron industrial district. *Abstr. Theses Univ. Pittsburgh*, 1930, 6: 293.—**Kunst, E. J.** Variations in work performance under normal industrial conditions. *Psychol. Bull.*, 1941, 38: 530.—**Lipmann, O.** Der Anteil des Menschen am Produktionseffekt. *C. rend. Conf. internat. psychotechn.* (1927) 1929, 4. Conf., 215-27.—**Murray, H. M. L.** Bases of worker efficiency. *Personnel J.*, 1942-43, 21: 131-45.—**N., A. G.** The efficiency of industrial workers. *Canad. M. Ass. J.*, 1941, 45: 548-50.—**Ochsner, P. J.** The substandard worker: physical examination and placement. *Indust. M.*, 1942, 11: 283-5.—**Physiology** (The) limit to sprinting for war production. *J. Am. M. Ass.*, 1942, 119: 360.—**Vennwald, H.** Der Wirkungsgrad von Mensch und Maschine. *Umschau*, 1940, 44: 753-6.
- female.
- CUNIN, B. *La femme ouvrière [Paris] 126p. 24cm. Rennes, 1939.
- Alexander, G. G. L. Vom Allrussischen Kongress der Arbeiterinnen und Bäuerinnen. *Neue Generation*, 1928, 24: 8-13.—**Ascher, L.** Schwere Frauenarbeit und ihre Messung. *Zbl. Gewerbelyg.*, 1928, n. F., 5: 161.—**Böhm.** Die Beschäftigung von Frauen auf Fahrzeugen. *Arbeitsschutz*, 1940, No. 11, Beil., 7.—**[Brazil]** O trabalho das mulheres nas fabricas; decreto N. 21.417, de 17 de Maio de 1932. *Arg. Inst. med. leg.*, Rio, 1932, No. 5, 169-71.—**Collet, C. E.** The present position of women in industry. *J. R. Statist. Soc.*, Lond., 1942, 105: 122-4.—**Corseilis, M., Rowland, G.** [et al.] Women confer on industry. *Lancet*, Lond., 1941, 2: 537.—**Dunn, W.** Six million women. *J. Am. Insur.*, 1942, 19: No. 6, 17-20.—**E., L.** Der weibliche Arbeitsschutz im Kriege. *Aerztebl. Hessen*, 1941, 9: 122-4.—**Feil, A.** Le régime de la main-d'oeuvre pendant la guerre. *Presse méd.*, 1940, 48: 357.—**Hickey, M. A.** The role of women in the war effort. *Occupations*, 1942, 21: 203-7.—**Industrial experience of trade-school girls in Massachusetts.** *School & Soc.*, 1918, 7: 132-4.—**Kremer.** Die Verordnung über die Beschäftigung von Arbeiterinnen und jugendlichen Arbeitern in Ziegeleien und verwandten Betrieben (Ziegelei-verordnung) *Arbeitsschutz*, 1937, 148-50.—**Kuh, C.** Women in industry. *Connecticut M. J.*, 1942, 6: 754.—**Lyne, R. F.** The legal protection of the woman worker. *J. State M.*, Lond., 1927, 35: 287-92.—**Masciotta, A.** L'operaia, donna e madre; rassegna e considerazioni generali con contributo statistico. *Rass. med. indust.*, 1941, 12: 218 (Abstr.) (microfilm)—**Mitarbeit** (Die) der Frau; der Fraueneinsatz in der Landwirtschaft und in der Eisen- und Metallindustrie. *Aerztebl. Hessen*, 1941, 9: 82.—**Occupation of women; circular of the [German] Minister of Labor, January 11, 1941.** *J. Indust. Hyg.*, 1941, 23: Suppl. 164 (Abstr.)—**Problems of women's work in Germany in war time.** *Ibid.*, 1942, 24: Suppl. 27 (Abstr.)—**Queen** (The) was in her parlour eating bread and honey. *Brit. J. Nurs.*, 1939, 87: 273.—**Training women for skilled jobs in industry.** *Occupations*, 1941-42, 20: 556.—**Wettstein-Adelt, M.** Zur Arbeiterinnenfrage. *Ethische Kultur*, 1893, 1: 11-3.—**Die Putzsucht der Arbeiterin.** *Ibid.*, 87.—**Das Erwerbsleben der Frau.** *Ibid.*, 155-7.—**Women workers in chemical factories.** *Med. Leg. Crim. Rev.*, Lond., 1942, 10: 6.—**Zapoleon, M. W.** Women in defense occupations. *Occupations*, 1940-41, 19: 509-11.
- female: Health and disease.
- METTERT, M. T. The occurrence and prevention of occupational diseases among women, 1935-38. 46p. 23cm. Wash., 1941.
- RAUCHWETTER, N. *Belastungsschäden am Stehapparat der berufstätigen weiblichen Jugend. 23p. 21cm. Berl., 1937.
- Burnell, M. R. Women in industry: placement and health maintenance. *Indust. M.*, 1942, 11: 282; 521-3.—**Fekete, A.** Erkrankungen der Geschlechtsorgane infolge weiblicher Berufsarbeit. *Opera Internat. Congr. Indust. Accid.* (1928) 1929, 5. Congr., 567-70.—**Guthmann, H.** Arbeitsschäden der Frau. *Aerztebl. Hessen*, 1939, 7: 252. Also *Munch. med. Wschr.*, 1939, 86: 1366.—**Health service plan for women in industry.** *Hosp. Management*, 1918, 6: 34-6.—**Herbert, E. M.** Industrial medical boards for women. *Brit. M. J.*, 1941, 2: 711.—**Howard, R. R.** Safety of women in war industries. *J. Am. Insur.*, 1942, 19: No. 4, 11; 24.—**Klebe.** Schutzmassnahmen bei schweren und ungeeigneten Frauennarbeiten, insbesondere in der keramischen Industrie und bei Beschäftigung an Maschinen mit Füsseinrückung. *Arbeitsschutz*, 1937, 64-70.—**Koch.** Richtlinien für die Beschäftigung von Frauen an Seifenpressen. *Ibid.*, 1939, 340.—**Kronenberg, M. H.** Women in industry, their problems of health. *Indust. M.*, 1942, 11: 589-92.—**Manfrini, P., & Andreis, N.** Il lavoro femminile nei medie piccoli centri industriali, nei riflessi della prole. *Pediat. med. prat.*, Tor., 1939, 14: 892-916.—**Mayer, A.** Ueber Unfallbegutachtung in der Gynäkologie. *Chirurg*, 1931, 3: 145-51.—**Niedermeyer.** Frauenerwerbsarbeit und Frauenkrankheiten. *Zschr. Bahnärzte*, 1927, 22: 103-8.—**Occupational injuries to**

Efficiency.

VERNON, H. M. The influence of hours of work and of ventilation on output in tinplate manufacture. 29p. 8° Lond., 1919.

Bramesfield, E. Das Bedaux-Prinzip. *Arbeiterschutz*, 1929, 209-11.—**Ewart, E., Seashore, S. E., & Tiffin, J.** A factor analysis of an industrial merit rating scale. *J. Appl. Psychol.*, 1941, 25: 481-6.—**Freund, H.** Die objektive, mathematisch-physiologische Bestimmung menschlicher Arbeitsleistung durch

women in the United States, 1930 and 1931. *Month. Labor Rev.*, Wash., 1935, 41: 980.—Prevalence (the) of disabling illness among male and female workers and housewives. *Pub. Health Rep.*, Wash., 1941, 56: 802.—Robinson, M. V. Saving the women, too. *Trained Nurse*, 1941, 107: 340-5.—Teruoka, G. Frauenarbeit unter biologischem Gesichtspunkt. *Arch. Frauenk.*, 1932, 18: 29-58.—[United States Department of Labor. Women's Bureau] Lifting heavy weights in defense industries; methods for conserving health of women workers. *J. Indust. Hyg.*, 1941, 23: Suppl., 137 (Abstr.).—Zimmermann, I. Nachuntersuchungen an Stickerinnen. Wäsche- und Konfektionsnäherinnen in Leiharbeit. *Arch. Gewerbepath.*, 1933-34, 5: 265-73.

Health, and health habits.

Ahearn, V. P., Watt, R. J., & Taylor, W. C. The role of employee health in industrial relations. *Proc. Indust. Hyg. Found. America*, 1941, 6. Meet., 153-71.—Bevin, E. Health in industry. *Med. Care*, 1942, 2: 39-42.—Forum (The) on health in industry. *Connecticut M. J.*, 1942, 6: 560.—Health of the industrial worker. *Ind. M. Gaz.*, 1942, 77: 153.—Irish labour facing health problems. *Lancet*, Lond., 1940, 2: 146.—Laquer, B. Der Alkohol in Arbeiterhaushalt, eine sozial-hygienische Studie. *Med. Klin.*, Berl., 1906, 2: 1205-7.—Oliver, T. Side lights upon the health of workers and their occupations. *J. State M.*, Lond., 1933, 43: 497-504.—Output and health; lessons of the last war. *Lancet*, Lond., 1940, 1: 423.—Thomas, C. K. My observations of careless habits. *Tr. Nat. Safety Council*, 1933, 22. Congr., 263.

Health education.

See also Group medicine, Health education.

Bristol, L. D. Health education for industrial workers. *J. Am. M. Ass.*, 1942, 118: 650.—Dietrich, Chajes [et al.] Die Belehrung der Arbeiterschaft über die Berufsgefahren und ihre Mitwirkung bei der Bekämpfung derselben. *Zbl. Gewerbehyg.*, 1925, 1: Beiheft 1, 1-40.—Heinrich, H. W. Education of employees. In *his Indust. Acid. Prev.*, 2. ed., N. Y., 1941, 345-65.—Labok, S. I. [Cabinets for hygienic-technical instructions for the workers of various industries] *Gig. san.*, Moskva, 1940, 5: No. 12, 50-2.

Health examination.

See also Health examination, periodical.

Austin, W. S. Periodic examinations of industrial employees. *Indust. M.*, 1937, 6: 422-4.—Brandabur, J. J. Practical aspects of a physical examination program. *South. M. J.*, 1941, 34: 1276-81.—Clift, M. W. X-ray in industry. *Indust. M.*, 1940, 9: 51.—Conway, J. M. Physical examinations of workers. *Pub. Health Nurs.*, 1940, 32: 90-2.—Crafter, C. V. Health examination for employment. *J. Social Hyg.*, 1937, 23: 89-94.—Fisher, H. E. Periodic medical examinations; the truth about them after 20 years' observation. *Indust. M.*, 1933, 1: 1-9.—Fisk, E. L. Periodic health examinations in industry. *Opera Internat. Congr. Indust. Acid.* (1928) 1929, 5. Congr., 570-4.—Friedland, I. G. [Periodical medical examinations of the personnel in industries] *Sovet. vrach.*, J., 1938, 42: 850-8.

[Preliminary medical examination of workers applying for work with toxic substances] *Gig. & zdorov.*, 1941, 6: No. 6, 22-6.—Garson, H. L. The compulsory medical examination of factory workers. *J. State M.*, Lond., 1932, 40: 231-5.—Gray, A. W., O'Leary, E. B. [et al.] Recommendations of the medical sub-committee on physical examinations in industry. *Sympos. Silicosis*, 1939, 4. Sympos., 356-66.—Hall, M. I. Special types of examinations, justifying their cost. *Indust. M.*, 1942, 11: 583-6.—Hazlett, T. L. What are we examining for; types and frequency of physical examinations. *Ibid.*, 581-3.—Industrial Commission of Wisconsin; declaration of principles concerning physical examinations in industry. *Sympos. Silicosis*, 1939, 4. Sympos., 352-5.—Johnstone, R. I. The preemployment examination. In *his Occup. Dis.*, Phila., 1941, 514-21.—Kammer, A. J. Some practical results of physical examinations. *Indust. M.*, 1941, 10: 230-3.—Kirby, F. B. Physical examinations for efficiency. *Ibid.*, 1940, 9: 635.—Kremer, E. H. Physical examinations of workers. *Kentucky M. J.*, 1942, 40: 414.—Kuh, C. Physical examinations in industry. *Proc. Life Ext. Exam.*, 1940, 2: 109-12.—Lanza, A. J. The periodic health examination as an essential procedure in industrial medicine. *Ibid.*, 1941, 3: 3-6.—Leak, W. N. Medical examinations in industry, their function and scope. *Brit. J. Phys. M.*, 1942, 5: 116-20.—McSweeney, E. S. The prospective outside plant employee: practical brief physical appraisal. *N. York State J. M.*, 1938, 38: 262-5.—Mishler, W. E. The annual physical examination; its effect in raising standards of employee health and efficiency. *Indust. M.*, 1939, 8: 73-5.—Myers, G. P. Physical examinations; entrance and return-to-service. *Ibid.*, 1942, 11: 579-81.—Nelson, H. A. Pre-employment examination. *Ibid.*, 1940, 9: 451-6. Also *Wisconsin M. J.*, 1940, 39: 865-70.—Ranelletti, A. Il controllo periodico della salute per la migliore prevenzione delle malattie del lavoro e comuni. *Rass. med. lavoro indust.*, 1933, 4: 198-208.—Redfern, J. N. The value of physical examinations in industry. *Texas J. M.*, 1925-26, 21: 414-7.—Regular health examinations in industrial plants. *J. Am. M. Ass.*, 1936, 106: 227.—Sand, R. L'examen préventif dans la grande industrie et la pratique organisée de la médecine. *Liège méd.*, 1930, 23: 1105-25.—

Sawyer, W. A. Prehabilitation and rehabilitation in industry. *J. Am. M. Ass.*, 1942, 119: 419-23.—Sykes, F. C. The beginner in industry. *Nurs. Times*, Lond., 1942, 38: 488.—Tremblay, A. G. Industrial health from the viewpoint of selecting the new employee. *Indust. M.*, 1940, 9: 617-9.—Trice, M. F. Pre-employment examinations and related activities of the North Carolina division of Industrial Medicine. *Ibid.*, 188 93.—Trigg, R. Pre-employment examinations. *Texas J. M.*, 1940-41, 36: 566-8.—Watson, C. H. Phases of physical examination problems in industry. *Nation's Health*, Chic., 1927, 9: No. 3, 30; 84.—Woodruff, I. O. The physical examination of employees. In *Indust. Hyg.* (Lanza & Goldberg) N. Y., 1939, 46-67.—Woody, M. Objectives of the health examination and their industrial application. *J. Am. M. Ass.*, 1940, 114: 983.—Workmen's compensation acts: right of employer to require employee to take medication in connection with physical examination (Louisiana) *Ibid.*, 1942, 120: 1160.—Wrabetz, V., Burezyk, H. J., & Miller, C. L. Physical examinations of industrial workers. *Sympos. Silicosis*, 1939, 4. Sympos., 350.—Zillhardt, J. C. Medical examination and the prospective worker. *N. York State J. M.*, 1940, 40: 1104-10.

Health protection.

See also Industrial hygiene; Industrial plant, Safety measures; also subheadings of Industrial worker such as Hospital service, etc.

Andrews, J. B. Protection against occupational diseases. p.17-23. 8° N. Y., 1911.

Emmons, A. B. Health control in mercantile life; a problem of conserving human energy. 2. ed. 234p. 8° N. Y., 1926.

Klebe, H. Die wirtschaftliche Bedeutung des Arbeitsschutzes insbesondere der Gewerbehygiene. 128p. 8° Berl., 1932.

UNITED STATES. DEPARTMENT OF LABOR. DIVISION OF LABOR STANDARDS. Protecting eyes in industry; addresses presented before the Industrial Section, National Society for the Prevention of Blindness at its Annual Conference in New York City, October 27, 1939. 18p. 8° Wash., 1940.

Waffenschmidt, Gerbis, H., & Eibel, H. Arbeiterschutz und Rationalisierung. 59p. 8° Berl., 1929.

Bard, L. Higiene y seguridad del trabajo en los establecimientos mercantiles, industriales y trabajo a domicilio. *Progr. clín.*, Madr., 1931, 39: 590-3.—Bartthie, R. Les maladies professionnelles évitables et inévitables. *Presse méd.*, 1938, 46: 539.—Bloomfield, J. J. Engineering control of occupational diseases. *Am. J. Pub. Health*, 1935, 25: 1196-204.—Brehm, P. A. Keep the worker on the job. *Wisconsin M. J.*, 1941, 40: 208; 433; 518.—Bridge, J. C. Prevention of occupational diseases. *Lancet*, Lond., 1934, 1: 471-5.—The prevention of disease in industry. *Practitioner*, Lond., 1936, 137: 260-9.—Caldwell, S. Guarding the health of industrial workers. *Health*, Toronto, 1942-43, 10: 20.—Caplescu, P. [Preventive medicine and industrial diseases] *Romania med.*, 1935, 13: 45-7.—Carli, E. Prevenzione e assistenza. *Assist. sociale*, Roma, 1934, 8: 40-4.—Carozzi, L. Il fattore umano nella prevenzione della morbidità professionale. *Rass. med. lavoro indust.*, 1933, 4: 181-97.—Clusellas, F. J. Higiene social del obrero; profilaxis de los accidentes del trabajo; profilaxis de las enfermedades venéreas. *Sem. méd.*, B. Air., 1940, 47: pt 2, 1313-5.—Coburn, G. A. Control of hygienic exposure. *Indust. M.*, 1937, 6: 375-7.—Practical methods for the control of hygienic exposures. *Am. J. Pub. Health*, 1939, 29: 501-14.—Collis, E. L. Prevention of industrial diseases. *J. State M.*, Lond., 1931, 39: 249-56.—Culpin, M. Methods of investigating and of improving the health of industrial workers. *J. R. San. Inst.*, Lond., 1930, 51: 217-21.—Eden, P. H. van. Anpassung und Berufswechsel. *Opera Internat. Congr. Indust. Acid.* (1928) 1929, 5. Congr., 560-4.—Fink. Die Unfallverhütungstätigkeit der Rheinischen Stahlwerke. Abteilung Arenberg, im Jahre 1926. *Arbeiterschutz*, 1927, 3: 44-9.—Fischer. Gewerbehygiene und Arbeiterschutz. *Ibid.*, 1926, 2: 17-23.—Fishbein, M. Health in industry. *J. Indiana M. Ass.*, 1942, 35: 401.—Förster, F. A. Gewerbehygienische Atemschutzgeräte; ihre Anwendung in Prophylaxe und Therapie der allergischen Krankheiten. *Med. Welt*, 1929, 3: 273-6.—Förster, M. Leibesübungen als Mittel gegen Berufsschäden. *Zbl. Gewerbehyg.*, 1928, n. F., 5: 9-12.—Foulger, J. H. Prevention of ill health in industry. *Med. Clin. N. America*, 1942, 26: 1145-60.—Gallac, H. I. La higiene del obrero en la prevención de los accidentes del trabajo. *Rev. san. mil.*, B. Air., 1939, 38: 846-64.—Golke, E. Fangvorrichtungen als Schutzmittel. *Arbeiterschutz*, 1929, 178-80.—Heacock, B. C. The prevention of occupational disease. *Proc. Occup. Dis. Sympos.* (1937) 1938, 79-82.—Health and safety of industrial workers. *Nature*, Lond., 1937, 139: 857-9.—Hilliard, C. M. Health of the worker and his family. *N. England J. M.*, 1941, 225: 1033.—Hope, E. W. Some aspects

of industrial occupations which specially concern the medical officer of health. J. State M., Lond., 1931, 39: 537-43.—**Hunter, D.** Prevention of disease in industry. Brit. M. J., 1937, 1: 700-3.—**Ichok, G.** La protection de la santé et la classification des professions. Rev. hyg., Par., 1938, 60: 108-15.—**Kuh, C.** Employee morale and the industrial health program. Proc. Life Ext. Exam., 1941, 3: 39-43.—**Lamenza, J. B.** The insurance carrier and the control of occupational diseases. Indust. M., 1938, 7: 370-7.—**Lanza, A. J.** Occupational diseases. In Prevent. Med. Modern Pract. (J. A. Miller) N. Y., 1942, 349-73.—**Leclercq, J.** La réparation des maladies professionnelles. Rev. palud., Par., 1939, 1: 189.—**McCord, C. P.** Industry's manpower; its conservation. California West. M., 1942, 57: 237.—**Mauro, G.** Il valore della prevenzione nella patologia professionale. Gazz. osp., 1933, 54: 1497-9.—**Moore, P. G.** Conserving the eye health of industrial employees. Proc. Conf. Nat. Soc. Prev. Blindness, 1936, 32-43.—**Mummery, N. H.** Catarhal prophylaxis in industry. J. Indust. Hyg., 1928, 10: 295.—**Nikolaev, I.** [Measures against industrial traumatism] Sovet. vrach. gaz., 1932, 40-4.—**Nowakowski, B.** The Polish legislation concerning the control of occupational diseases. Opera Internat. Congr. Indust. Accid. (1928) 1929, 5. Congr., 667-9.—**Ohlheiser, H. R.** Industrial hygiene procedure for effective occupational disease control. Indust. M., 1940, 9: Supp., 45-8.—**Private (Die)** Initiative bei der Verhütung von Arbeitsunfällen in Belgien. Arbeiterschutz, 1926, 2: 75.—**Protección (La)** de la salud en las empresas particulares. Rev. hig. Bogotá, 1938, 19: 3.—**Razons, P.** La prévention des maladies professionnelles. Rev. sc., Par., 1906, 5. ser., 6: 396-400.—**Roche, J.** Health of the nation's workers. Personnel J., 1937-38, 16: 159-64.—**Rolleston, H.** Industrial diseases and their prevention. J. R. San. Inst., 1928-29, 49: 617-32. Also Med. Press & Circ., Lond., 1929, n. ser., 127: 325.—**Rosebush, F. H.** Social phases of safety work. Proc. Nat. Safety Council, 1921, 10: 565-8.—**Sappington, C. O.** Preventive medicine in industry; experience of a western mail order house. J. Indust. Hyg., 1927, 9: 12-7.—**Selby, C. D.** Health maintenance in industry. Am. J. Pub. Health, 1938, 28: 1328-31. Also J. M. Soc. N. Jersey, 1939, 36: 26.—**Sparing the worker and speeding the work.** Lancet, Lond., 1940, 1: 1169.—**Tamm, E. A.** Protection of men and machines in the national emergency. Proc. Indust. Hyg. Found. America, 1941, 6. Meet., 3-11.—**Townsend, J. G.** Public health for the worker. J. S. Carolina M. Ass., 1941, 37: 306-10.—**Vernon, H. M.** Methods of investigating and of improving the health of industrial workers. J. R. San. Inst., Lond., 1930, 51: 211-6.—**Vintinner, F. J.** Health protection for industrial workers. N. Hampshire Health News, 1942, 20: No. 3, 5-9.—**Williams, J.** Industrial diseases and their prevention. Proc. Conf. San. Off. N. York, 1912, 12: 238-42.—**Williamson, E. W.** Preventive health measures in industry as revealed in a 3 years' survey. Surg. Gyn. Obst., 1934, 58: 496.—**Wittmer, J. J.** A health program in terms of results. Indust. M., 1943, 12: 9-11.—**Workman (The) and his job.** Lancet, Lond., 1939, 2: 1075.

— Health protection: Employer's point of view.

Flanders, R. E. The balancing of incentive and security. Proc. Internat. Management Congr., 1938, 7. Congr., 42-5.—**Foisie, F. P.** San Francisco management looks at industrial health. California West. M., 1942, 57: 238.—**Gehrmann, G. H.** Industry's responsibility for the worker's health. Tr. Nat. Tuberc. Ass., N. Y., 1942, 38: 210-5.—**Heacock, B. C.** Industrial health from the viewpoint of the employer. Indust. M., 1940, 9: 590-2.—**Heiser, V. G.** Industrial medicine; the plan and scope of the interest of the National Association of Manufacturers in this field. Ibid., 1938, 7: 541-3.—**Hooper, F. C.** Industrial health; the employer's viewpoint. Nurs. Times, Lond., 1942, 28: 712.—**Johnson, W. S.** An administrative approach to industrial hygiene. Am. J. Pub. Health, 1940, 30: 806-10.—**Kelly, A.** Industrial health from the viewpoint of the insurance company. Indust. M., 1940, 9: 604-6.—**Lawson, H.** The attitude of the manufacturer towards industrial health. Bull. Acad. M. Toronto, 1942-43, 16: 65-7.—**Nabors, V. R.** Los Angeles management looks at industrial health. California West. M., 1942, 57: 239-41.—**Odum, W. E.** Industrial health from the viewpoint of employer-employee relation. Indust. M., 1940, 9: 611-5.—**Persons, W. F.** San Diego management looks at industrial health. California West. M., 1942, 57: 241.—**Porter, J. J.** Industrial safety and health; from an executive viewpoint. Indust. M., 1941, 10: 542-6.—**Schoenleber, A. W.** How industrial medicine aids in management. Personnel J., 1935-36, 14: 297-302.—**Smith, M.** The human factor in production. Nature, Lond., 1942, 150: 142-4.—**Staples, P. C.** Medicine in industry from the standpoint of the executive. Surg. Gyn. Obst., 1931, 52: 587-91.

— Health protection: Legislation.

See also Group, Social security; Group medicine; Laws; Industrial hygiene; Industrial medicine; Workmen's compensation, etc.

ALTARELLI, A. Codice del medico del lavoro. 400p. 16°. Milano [1936]

BAUER, M., ENGEL, H. [et al.] Dritte Verordnung über Ausdehnung der Unfallversicherung

auf Berufskrankheiten vom 16. Dezember 1936. 513p. 8°. Lpz., 1937.

BLEITRACH, M. *Etude médico-sociale des législations françaises sur les accidents du travail (loi du 9 avril 1898 et législation appliquée en Alsace-Lorraine) [Strasbourg] 85p. 8°. L'argentière, 1931.

GOLDBERG, R. W. Occupational diseases in relation to compensation and health insurance. 280p. 8°. N. Y., 1931.

LANGELEZ, A. Les maladies professionnelles; donnant droit à réparation légale; législations belge et française. 312p. 8°. Par., 1936.

PELLETIER, N. A. *Etude critique de la législation française sur les établissements industriels dangereux, insalubres ou incommodes. 50p. 8°. Bord., 1908.

POLLET, L. Les maladies professionnelles; leur législation. 334p. 8°. Par. [1935]

UNITED STATES. DEPARTMENT OF LABOR. Occupational-disease legislation in the United States, 1936. 58p. 8°. Wash., 1937.

— Occupational-disease legislation in the United States, 1936; with appendix for 1937. 88p. 8°. Wash., 1938.

Andrews, J. B. Occupational diseases and legislative remedies. Med. Times, N. Y., 1913, 41: 166-9. Also Am. J. Pub. Health, 1914, 4: 179-84.—Application pendant les années 1921 et 1922 de la loi du 21 octobre, 1919, sur les maladies professionnelles. Ann. hyg., Par., 1924, n. ser., 2: 438-43.—**Ausbau (Der)** der ausländischen Arbeiterschutzgesetzgebung. Zschr. Gewerbehyg., 1921, 27: 68.—**Bauer, M.** Berufskrankheiten und soziale Gesetzgebung. Arbeiterschutz, 1929, 31-4.

Die gesetzlichen Grundlagen der beruflichen Gesundheitsführung. Arch. sozial. Hyg. Demogr., 1933-34, 8: 328-32.—**Bazán, J.** Hacia la modificación de la Ley de Amparo. Bol. san., B. Air., 1938, 2: 468-71.—**Behrend, M.** Workmen's compensation and occupational disease laws in the Commonwealth of Pennsylvania. Pennsylvania M. J., 1939-40, 43: 18-20.—[Belgium] Application éventuelle de la loi du 9 juillet 1936 permettant une réduction de la durée du travail dans certaines industries; rapport complémentaire relatif aux ardoisières souterraines. Bull. san. pub., Brux., 1938, 3: 495-502.—Application éventuelle de la loi du 9 juillet 1936 aux cristalleries, gobeletteries et glaceries. Ibid. 1939, 4: 28-33.—Arrêté royal du 8 février 1939, portant règlement général des mesures à observer en vue de protéger la santé des employés occupés dans les entreprises industrielles et commerciales, ainsi que dans les services et établissements publics ou d'utilité publique. Bull. Off. internat. hyg. pub., Par., 1939, 31: 1365-8. Also Bull. san. pub., Brux., 1939, 4: 133-7.—**Bevin, E.** The wider issues of health legislation in industry. Brit. M. J., 1937, 2: 610-2.—**Bloomfield, J. J., & Gafar, W. M.** The public health administrator's responsibility in the field of occupational disease legislation. Pub. Health Rep., Wash., 1941, 56: 2033-41.—**Borri, L.** Brevi note al disegno di legge per modificazioni alla vigente legge infortuni presentate alla Camera dei deputati dal Ministro di A. I. C. Med. infort. lavoro, 1908, 1: 65-9.—**Browne, O. G.** Developments in occupational disease legislation. Indust. M., 1938, 7: 394-8.—**Calamini, G.** La nuova legge per l'assicurazione obbligatoria degli infortuni e delle malattie professionali. Assist. sociale, Roma, 1937, 11: 573-81.—**Carozzi, L.** Le Bureau international du travail et la législation mondiale des maladies professionnelles. Presse méd., 1937, 45: 1227.—**Casaccia, T.** La legge sugli infortuni e la sua influenza sul carattere e sul valore morale dei lavoratori. Rass. previd. sociale, 1932, 19: No. 11, 3-8.—**Cassano, G.** Restrittività interpretativa nell'applicazione della legge infortuni. Assist. sociale, Roma, 1940, 14: 285-94.—**Castellino, N.** Attuazione della legge sulle malattie professionali. Med. lavoro, 1934, 25: 18-24.—**Dal Padulo, F.** La nuova legge francese sugli infortuni nel lavoro. Assist. sociale, Roma, 1938, 12: 770-8.—**Desclaux, L., & Dubost, M.** Maladies professionnelles et loi du 25 octobre 1919. Paris méd., 1935, 97: 406-9.—**Disposizioni** per l'assicurazione obbligatoria degli infortuni sul lavoro e della malattie professionali (Regio decreto 17 agosto 1935) Assist. sociale, Roma, 1935, 9: 541-68.—**Dorsett, J. D.** Legal trends and new legislation respecting occupational diseases. Proc. Indust. Hyg. Found. America, 1941, 6. Meet., 113-6.—**Enfermedades** profesionales; un proyecto de ley interesante. Bol. med., Madr., 1936, 4: No. 75, 7.—**Extension** des maladies professionnelles de la loi sur les accidents du travail. J. sc. méd. Lille, 1913, 36: pt 2, 92-4.—**Florentin, D.** Les maladies professionnelles et leur législation. Ann. hyg., Par., 1937, n. ser., 15: 269-77.—**Gentile, G.** La risoluzione delle controversie nella nuova legge infortuni. Assist. sociale, Roma, 1937, 11: 795-810.—**Gill, D. G.** Occupational disease legislation and the Medical Association. J. M. Ass. Alabama, 1938-39, 8: 125-7.—**Giolla, P.** Incongruenze e lacune della nuova legislazione infortuni. Art. 37. Riv. crit. infortunist., 1936, 21: 161-9.—**Giorgio, H.** Die Organisation des Dienstes zur

Verhütung von Unfällen und Berufskrankheiten in der Arbeiterschutzgesetzgebung des schweizerischen Bundesstaates. In Festschr. H. Zangger, Zür., 1935, 1: 481-95.—**Gisbertz**, Zur Reform des Arbeitsschutzgesetzes; Vorschlag zur Intensivierung praktischer gewerbhygienischer Tätigkeit ohne Kostensteigerung. Zschr. Medbeamte, 1930, 43: 479-86.—**Godlewski, H., & Detriex, H.** Les affections envisagées par la loi de 1931. J. méd. fr., 1932, 21: 277.—**Hoffman, F. L.** Industrial diseases in America. Am. Labor, Legist. Rev., 1911, 1: 35-40.—**Industrial health.** Brit. M. J., 1938, 2: 578.—**Jackson, J. P.** The attitude of the Department of Labor and Industry towards the problem of occupational diseases. Pennsylvania M. J., 1917, 20: 472-8.—**Jeanbrau, E.** Ce que le médecin doit savoir de la loi sur les maladies professionnelles. Clinique, Par., 1923, 18: 231-3.—**Kirby, G. D.** The Shops Acts, 1912 to 1934, and their application to the city of Norwich. J. R. San. Inst., 1936-37, 57: 528-46.—**Koelsch, F.** Einführung; Unfall- oder Gewerbekrankheit; die deutsche Verordnung. In his Meldepflicht, Berufskrankh., Münch., 1926, 5-13. Die 3 Berufskrankheiten-Verordnung. Münch. med. Wschr., 1937, 84: 490.—**Kural, H.** La législation protectrice du travail dans la République Turque. Arch. méd. sociale, Brux., 1939, 2: 943-6.—**Lane, R. E.** The wider issues of health legislation in industry. Brit. M. J., 1937, 2: 608-10.—**Leoncini, F.** Linee fondamentali dell'ultima riforma della legge per gli infortuni del lavoro e per le malattie professionali. Gazz. internaz. med. chol., 1936, 46: 562-73.—**Considerazioni sul nuovo regolamento per l'assicurazione obbligatoria degli infortuni del lavoro e delle malattie professionali.** Ibid., 1938, 48: 203-15.—**Lencioni, J.** El período de carencia en la ley de accidentes de trabajo. Rev. méd. Rosario, 1934, 24: 245-50.—**Lockhart, L. P.** The wider issues of health legislation in industry. Brit. M. J., 1937, 2: 605-8.—**Loriga, G.** Il regolamento generale di igiene del lavoro. Rass. previd. sociale, 1927, 14: 13-24. Criteri generali della legislazione del lavoro. In Conf. Univ. Pisa, 1934-35, 129-33.—**McCord, C. P.** The Illinois occupational disease law. J. Am. M. Ass., 1937, 108: 224.—**McManus, J. B.** Industrial law and the medical profession. Delaware M. J., 1938, 10: 209-13.—**Mailloin.** Les accidents du travail et les maladies professionnelles devant la législation et la jurisprudence. Loire méd., 1924, 38: 334-92.—**Manunza, P.** La nuova legge sugli infortuni industriali e le ripercussioni nell'ambito medico. Rass. med. sarda, 1937, 39: 257-76.—**Martínez Roca, J.** Necesidad y bases de una ley de higiene industrial. Actas Congr. nac. san., Madr. (1934) 1935, 1. Congr., 3: 470-5.—**Mauvo, G.** Le malattie professionali nell'ambito del nuovo ordinamento legislativo. Assist. sociale, Roma, 1937, 11: 603-12.—**Mazeaud.** Maladie non professionnelle; exclusion des lois de 1898 et de 1919; recevabilité de l'action fondée sur le droit commun. Rec. spéc. accid. trav., 1936, 36: 154-6.—**Merklen, P.** Le rapport de M. Breton, député, sur l'extension aux maladies d'origine professionnelle de la loi sur les accidents du travail, législations étrangères et principales dispositions du projet de loi français. Presse méd., 1909, 17: annex, 812-5.—**Millán, A.** Nota sobre la definición legal de riesgo profesional. Gac. méd. México, 1937, 67: 206-16.—**Newquist, M. N.** A three years' survey of medicine and surgery in industry: including legislative enactments and other indemnity problems. Surg. Gyn. Obst., 1934, 58: 492-6.—**Noack.** Zur Verordnung über die entschädigungspflichtigen Berufskrankheiten. Zschr. Schulgesundh., 1926, 39: 353-6.—**Neuville (La)** législation sur les maladies professionnelles. Marseille méd., 1931, 68: 548-53.—**Occupational disease legislation in the United States.** Month. Labor Rev., Wash., 1934, 38: 1348-64.—**Occupational disease legislation in the United States.** In Handb. Lab. Statist. (Parker, F. E.) Wash., 1936, 362.—**Occupational disease legislation in the United States, 1936.** Month. Labor Rev., 1936, 43: 1096-1101.—**Pariset, P.** Sur l'étude critique de la loi sur les malades professionnels. Ann. méd. lég., 1923, 3: 399-404.—**Parodi, A.** Hygiène des travailleurs; communication pour le Ministre secrétaire d'Etat à la production industrielle et au travail; à Messieurs les Inspecteurs divisionnaires du travail et de la main-d'œuvre. Arch. mal. profess., Par., 1939-40, 2: 700.—**Peregrine, F. R.** Industrial health from the viewpoint of the legal profession. Indust. M., 1940, 9: 606-8.—**Perkins, F.** Occupational disease legislation in the United States. Arch. Gewerbepath., 1931, 2: 199-204.—**Pisenti, G.** La difesa degli infortuni sul lavoro e, incidentalmente, delle malattie professionali. Difesa med. leg. lavoro, 1921, 3: No. 11-12, 1-7.—**Poëls & Warnotte.** Législation comparée des accidents du travail au point de vue médical. Bull. Ass. internat. méd. exp. comp. assur., 1905, 4: 127-61.—**Polizei (Die)** kann aus allgemeinen gesundheitspolizeilichen Gründen die Schliessung einer gewerblichen Betriebsstätte anordnen; zur Untersagung des Gewerbetriebs ist sie dagegen nicht berechtigt. Reichs-gesundhbl., 1939, 14: 535.—**Progetto (Sul)** di riforma della legge infortuni. Riv. crit. infortunist., 1935, 20: 109-14.—**Protecting health of workers.** Personnel J., 1938-39, 17: 220-5.—**Regolamento (Il)** sulle malattie professionali. Italia san., 1933, 25: No. 21-22, 3-5.—**Regulations to protect the health of employees [Belgium]** J. Am. M. Ass., 1939, 113: 696.—**Reichardt, M.** Die Einwirkung der Unfallgesetzgebung auf die Seele des Unfallverletzten. Zschr. Krüppelfürs., 1934, 27: 153-73.—**Report of the committee on the National Industrial Recovery Act.** Tr. Am. Hosp. Ass., 1933, 35: 80-140.—**Resumé of occupational disease laws in the United States; discussion of their application.** Indust. M., 1933, 2:

18-23.—**Rist & Doubrow.** La révision de la convention internationale sur les maladies professionnelles et ses conséquences médico-juridiques. Ann. méd. lég., 1934, 14: 878; 1935, 15: 255; 344: 541. Also Presse méd., 1935, 43: 725.—**Romanese, R.** Sulla nuova legge degli infortuni sul lavoro e delle malattie professionali. Gior. Accad. med. Torino, 1937, 100: pt 2, 166-83.—**Rossi, A.** L'assistenza e la rappresentanza dei lavoratori nella nuova legge infortuni. Assist. sociale, Roma, 1938, 12: 17-28.—**[Russia]** [Statute on buildings, used for medico-sanitary institutions in territories belonging to factories and mills]. In Sborn. deistv. zakon. zdav. (Cherniak, S.) Moskva, 1929, 148-58.—**Sappington, C. O.** How far shall the state go? does responsibility for employees' mental and physical fitness belong to the employer, the state, or both? Indust. M., 1932, 1: 75-7.—**Scatamacchia, E.** Il medico di fronte alla nuova legge infortuni. Difesa sociale, 1937, 16: 1027-35.—**Seel, H.** Die Haftung des Unternehmens für Gesundheitsschäden seiner Gefolgschaft. Aerztl. Sachverst. Ztg., 1938, 44: 71-3.—**Seitz, A.** Sozial- und Gewerbhygiene und das erweiterte Unfallversicherungsgesetz. Klin. Wschr., 1927, 6: 1571-6.—**Strandberg, J.** Einige Worte anlässlich des neuen Gesetzes über Berufskrankheiten. Acta dermat. vener., Stockh., 1937, 18: 354-6.—**Stump, A.** Law pertaining to occupational diseases. J. Indiana M. Ass., 1942, 35: 438.—**Turban, E.** Die neue Berufskrankheiten-Verordnung. Mschr. Unfallh., 1937, 44: 439-44.—**Velasco Suárez, C.** La ley de accidentes del trabajo; imprescindible necesidad de su reforma. Sem. méd., B. Air., 1933, 40: pt 2, 1440-3.—**Waters, T. C.** Administration of laws for the prevention and control of occupational diseases. Am. J. Pub. Health, 1939, 29: 728-38.—**Report of the Legal Committee of the Industrial Hygiene Foundation, Nov. 1942.** Indust. M., 1943, 12: 21 (Abstr.)—**Wenzel.** Gewerbhygiene im jetzigen und zukünftigen Strafrecht. Zbl. Gewerbhyg., 1933, n. F., 10: 216-9.

Health protection: Organization.

Bank, I. L., & Glozman, E. S. [Results of medical-sanitary work at construction projects] Gig. san., Moskva, 1940, 5: No. 11, 14-9.—**Belgique.** Réorganisation de la tutelle sanitaire des adolescents au travail. Bull. san. pub., Brux., 1939, 4: 65.—**Berufskrankheiten (Die)** und ihre Bekämpfung durch die gewerblichen Berufsgenossenschaften im Jahre 1937. Arbeiterschutz, 1938, 330-8.—**Bracken, H. von.** Rationalisierung und Gesundheit. Zbl. Gewerbhyg., 1928, n. F., 5: 1-3.—**Buchan, J. J., & Stewart, D.** Public health services, and industrial hygiene. Pub. Health, Lond., 1937-38, 51: 163-8.—**Castilla, C. M.** Higiene industrial; su organización y funciones. Bol. Of. san. panam., 1941, 20: 557-69.—**Cunningham, J. G.** Industrial hygiene in Ontario. Canad. Pub. Health J., 1939, 30: 524-6.—**Dearden, W. F.** The relation of public health to industrial diseases. Pub. Health, Lond., 1910-11, 24: 208-16, portr.—**France.** Ministère du travail; recommandation relative à l'organisation des services médicaux sociaux et de sécurité dans les établissements visés à l'article 65 du Livre II du Code du travail. Arch. mal. profess., Par., 1939-40, 2: 694-700.—**Frazer, W. M.** State medicine and industrial hygiene. J. R. Inst. Pub. Health, 1937-38, 1: 587-602.—**Freise, F. W.** Die gegenwärtigen gewerbhygienischen Verhältnisse in Brasilien. Arch. Gewerbepath., 1931, 2: 385-97.—**Gerbis.** Die Mitarbeit der Gemeinden der Träger der sozialen Versicherungen und der Gewerkschaften in der Gewerbehygiene. Arbeiterschutz, 1926, 2: 69-71.—**Harmandarian, G.** [Medicine and sanitation on its further development] Profil. med., Kharkov, 1927, 6: No. 5, 135-45.—**Health and social welfare.** Nature, Lond., 1941, 148: 703-6.—**Health and welfare services in factories.** Med. Off., Lond., 1940, 64: 7.—**Hebestreit, H.** L'assistenza sanitaria aziendale e l'igiene del lavoratore. Rass. med. indust., 1939, 10: 615-28.—**Jakovenko, E. I.** [Organization for fighting industrial diseases] Gig. epidem., 1930, 9: 49-51.—**Jenkins, W. D.** The public health services in relation to industrial hygiene. J. R. Inst. Pub. Health, 1939, 2: 178-86.—**Kalmus, E.** Gewerbhygienische Bestrebungen in Belgien. Zbl. Gewerbhyg., 1927, n. F., 4: 114-7.—**Kaplan, S.** Arbeiterschutz und Gewerbehygiene in der Union der Sozialistischen Sowjet-Republiken. Arch. sozial. Hyg., 1926-27, n. F., 2: 399; 505.—**Kipnis, A. B.** [Medical-hygienic public health service in the industrial regions] Vrach. delo, 1941, 23: 225.—**Koelsch, F.** Einiges über Berufskrankheiten aus deutscher Vergangenheit und Gegenwart. Deut. med. Wschr., 1938, 64: 1435.—**Landiss, M.** [Basic principles in organizing health protection in industrial areas] Gig. sotsial. zdav., 1932, No. 1, 16-27.—**Massey, A.** The public health service in relation to industry and the industrial worker. J. State M., Lond., 1934, 42: 552-6.—**Matvejeva, L. L.** [Two years' work in female consultation committee] Profil. med., Kharkov, 1927, 6: No. 2, 65-74.—**Nombreses** enquêtes sur la salubrité industrielle. Union méd. Canada, 1943, 72: 98.—**Oliveria Lima, A. de.** Recrutamento e defesa do pessoal trabalhador nas grandes empresas. Hora méd., Rio, 1941, 5: No. 7, 7-29.—**Organizzazione (L') dell'assistenza sanitaria nel gruppo Montecatini.** Gen. Papers Internat. Management Congr., 1938, 7. Congr., 102-6.—**Pearse, I. H., & Williamson, G. S.** Biologischer Gesundheitsdienst in einer englischen Arbeiterbevölkerung. Arch. sozial. Hyg. Demogr., 1933-34, 8: 333-42.—**Pedley, F. G.** The place of industrial hygiene in a municipal health programme. Canad. Pub. Health J., 1934, 25: 513-8.—**Pennoyer, A. R.**

Industrial health service; industrial medicine with special reference to the medical and allied activities of a large Canadian organization. *Canad. M. Ass. J.*, 1929, 20: 361-4.—**Popkov, L. P.** [Organization and perspective of the workers' committees of health protection] *Profil. med.*, Kharkov, 1927, 6: No. 2, 62-4.—**Prophylactic** measures against occupational diseases in Sweden. *Med. Leg. Crim. Rev.*, Lond., 1941, 9: 152.—**Reiter.** *Arbeitshygiene und Vierjahresplan.* Reichsgesundhbl., 1939, 14: 332-6.—**Roubal, J.** [Organization of industrial hygiene] *Cas. lek. česk.*, 1936, 75: 713-8.—**Russell, A. J. H.** Industrial hygiene under tropical conditions. *J. State M.*, Lond., 1930, 38: 497-508.—**Schnatenberg, W.** Die Gesundheitskontrolle in den Betrieben. *Arztebl. Hessen*, 1940, 8: 259.—**Solomonov, O. S.** [New methods of sanitary service for workers in industries] *Gig. san.*, Moskva, 1939, 4: No. 5, 19-21.—**Teissl, L.** Der Sicherheitsingenieur. *Zschr. Gewerbehyg.*, 1930, 36: 61-3.—**Tourangeau, F. J.** Industrial hygiene in the Province of Quebec. *Canad. Pub. Health J.*, 1939, 30: 527-9.—**Tskernik, I. B.** [Factory policlinics in control of sanitary conditions for workers] *Gig. & zdorov.*, 1941, 6: No. 5, 61-3.—**Uglov, V. A.** [Rôle of sanitary organization in relation to industrialization] *Voen. med. J.*, Moskva, 1930, 1: 3-14.—**Urbanat, I.** *Higiene industrial y social; ficha personal.* *Bol. san.*, B. Air, 1938, 2: 880.—**Vigliani, E.** Der Kampf gegen die Berufskrankheiten in Italien. *Aerzt. Sachvers.*, Ztg, 1935, 41: 118.—**Wendenburg & Grasreiner.** *Kommunale gewerbehygienische Beratungsstellen.* *Zschr. Gesundheitsverw.*, 1930, 1: 2-7.—**Yao, Hsun-yuan.** Industrial health work in the Peiping special health area. *China M. J.*, 1929, 43: 379-87.—**Yllner, C. A.** [Protection against industrial diseases in the Third Kingdom] *Sven. lak. tidn.*, 1938, 35: 1267-79.

Health protection: Organization: United States.

BRISTOL, L. D. Industrial health service. 170p. 8°. Phila., 1933.

Ancelin, R. J. Health service in industry. *Tr. Nat. Tuberc. Ass.*, N. Y., 1941, 37: 395-400.—**Bloomfield, J. J.** Engineering control of occupational diseases. *Pub. Health Rep.*, Wash., 1936, 51, 21: 655-67.—**Braun, F. W.** Health in Wisconsin industry. *Wisconsin M. J.*, 1926, 25: 22-5.—**Brehm, P. A.** Industrial health in Wisconsin. *Pub. Health Nurs.*, 1939, 31: 348-52.—**Bristol, L. D.** Importance of the supervisor in the industrial health program. *Am. J. Pub. Health*, 1936, 26: 1083-6.—**Industrial health program. In: *Cyclop. Med.* (Piersol-Bortz) Phila., 1939, 7: 723-35.—**Brundage, D. K.** An estimate of the monetary value to industry of plant medical and safety services. *Pub. Health Rep.*, Wash., 1936, 51: 1145-59.—**Buxell, J.** Engineering health services for small plants. *Am. J. Pub. Health*, 1942, 32: 853-9.—**Cabot, R. C.** The functions of hospitals and clinics in the prevention of industrial diseases. *Am. Labor Legis. Rev.*, 1912, 2: 293-6.—**Cleveland Union Trust Bank Medical Department.** *Nation's Health*, Chic., 1927, 9: No. 4, 45.—**Coleman, B. S.** Health service for industry. *J. Outdoor Life*, 1927, 24: 31-5.—**Conservation of man power in Connecticut. *J. Am. M. Ass.*, 1941, 116: 2773.—**Cummings, D. E.** Suggestions for the conduct of hygiene departments in industry. In *Sympos. Indust. Health* (M. Coll. Virginia) Richmond, 1941, 97-100.—**Curfman, G. H.** A challenge in cooperation. *Pacific Coast M.*, 1942, 9: 2.—**Dorsett, J. D.** Industrial hygiene service of a state department of health to a state industrial commission. *Tr. Conf. State Terr. Health Off.*, 1936, 34: 118-26.—**Eason, H. F., & Trice, M. F.** Development of an industrial hygiene program in a state health department. *Am. J. Pub. Health*, 1938, 28: 610-5.—**Evans, E. E.** Preventive medicine in modern industry. *J. M. Soc. N. Jersey*, 1940, 37: 492-501.—**Everts, G. S.** Organization and administration of industrial health units. *Pub. Health Nurse*, 1931, 23: 59-62.—**Industrial hygiene for the smaller plant. *Am. J. Pub. Health*, 1940, 30: 17-21.—**Fetzer, L. W.** The status of industrial hygiene and industrial health in Texas. *Dallas M. J.*, 1939, 25: 61.—**Flinn, R. H.** The industrial health program in Maryland. *Month. Bull. Maryland Dep. Health*, 1941-42, 13: 30-5.—**Foker, L. W.** Minnesota's industrial health program. *Minnesota M.*, 1942, 25: 970-2.—**Fulton, W. B.** Industrial hygiene in Pennsylvania's public health program. *Pennsylvania Health*, 1940, 1: 4-16.—**Industrial health and Pennsylvania's defense industries.** *Ibid.*, 1941-42, 2: No. 3, 16-20.—**Graff, W. M.** The responsibility of the health department for occupational disease control. *Proc. Conf. Health Author. N. America*, 1934, 49: 99-105.—**Graves, L. M., Fletcher, A. H., & Pharris, C.** Integrating industrial hygiene with local health service. *Am. J. Pub. Health*, 1940, 30: 493-8.—**Gray, A. S.** Administration of occupational disease control. *Illinois Health Mess.*, 1935, 7: 52-5.—**Importance of industrial hygiene; how it can best be handled through state departments of health. *J. Am. M. Ass.*, 1935, 105: 1157-61.—**Griffin, F. R.** Doctors in industry; health program benefits workers and employers. *Health*, Toronto, 1942-43, 10: No. 3, 12.—**Harris, R. F.** It happened in the office of a county health department. *Bull. Dep. Health Kentucky*, 1939-40, 12: 151.—**Harrison, H. M.** The practice of preventive medicine by a general practitioner among employees in a small factory. *Canad. Pub. Health J.*, 1939, 30: 541-4.—**Hazlett, T. L.** The practice of industrial health. *South. M. J.*, 1941, 34: 1127-30.—**Health (A) service for industry.** *Michigan Pub. Health*, 1936, 24: 143-6.—**Health services in industry.** *Bull. Hyg.*, Lond., 1942, 17: 746 (Abstr.).—********

Houlton, R., Cook, W. A. [et al.] Session on availability of trained industrial health personnel. *J. Am. M. Ass.*, 1941, 116: 1455-9.—**Industrial health, a new service in the State Department of Health.** *Minnesota M.*, 1941, 24: 979.—**Industrial (An) health program for a county medical society. *J. Am. M. Ass.*, 1943, 121: 259.—**Industrial health service for small industries, 25 to 500 employees. *Med. Soc. Rep.*, Scranton, 1942, 36: No. 8, 9.—**Industrial hygiene in Pennsylvania's public health program. *Pennsylvania Health*, 1941-42, 2: No. 6, 38-41.—**Johnson, O. J.** Public health and medical relationships in industrial health. *Am. J. Pub. Health*, 1942, 32: 1157-63.—**Johnston, O.** Industrial plan of the Delta and Pine Land Company of Mississippi. *J. Social Hyg.*, 1940, 26: 73-7.—**Kammer, A. G.** Industrial health program, organization and cost. *Indust. M.*, 1942, 11: 216-8.—**Kronenberg, M. H.** Industrial hygiene in a public health program. *Illinois M. J.*, 1941, 79: 221-5.—**Kuh, C.** The industrial health program of the Connecticut State Medical Society. *Connecticut M. J.*, 1942, 6: 394-6.—**Conservation of man power in Connecticut. *J. Am. M. Ass.*, 1942, 118: 649.—**Lazenby, A. D.** Occupational diseases; the function of the insurance company in their prevention and control. *Indust. M.*, 1934, 3: 137-42.—**Long, C. F.** Program for industrial health in state and county medical societies. *J. Am. M. Ass.*, 1940, 115: 427-9.—**Martin, W. B.** The Medical Society of Virginia's program for industrial health. In *Sympos. Indust. Health* (M. Coll. Virginia) Richmond, 1941, 1.—**Mountin, J. W.** Industrial health activities by state agencies. *Pub. Health Rep.*, Wash., 1943, 58: 33-58.—**Nasair, A. V.** The Los Angeles industrial hygiene program. *Indust. M.*, 1941, 10: 236-9.—**Nau, C. A.** Industrial hygiene program in a state health department. *Am. J. Pub. Health*, 1939, 29: 151-7.—**Noland, L.** The organization and operation of an industrial health department. *Tr. South. Surg. Ass.* (1925) 1926, 38: 275-84, pl.—**The organization and operation of an industrial health department; a description of the work of the Department of Health of the Tennessee Coal, Iron and Railroad Company. *J. Indust. Hyg.*, 1926, 8: 78-86.—**Osborn, S. H.** The problem of industrial hygiene as it has been taken care of in Connecticut. *Tr. Conf. State Terr. Health Off.*, 1936, 34: 97-110.—**Owens, R. J.** Development of industrial hygiene in Colorado. *Colorado Bd. Health Bull.*, 1940, 4: No. 4, 11-6.—**Page, R. C.** A medical control plan for the prevention of occupational disease. *Indust. M.*, 1937, 6: 491-6.—**Peterson, C. M.** The American Medical Association and industrial health. In *Sympos. Indust. Health* (M. Coll. Virginia) Richmond, 1940, 4-8.—**Petrie, L. M.** Industrial health in Georgia. *J. M. Ass. Georgia*, 1942, 31: 271-4.—**Pharris, C.** The local health officer and occupational disease control. *Connecticut Health Bull.*, 1940, 54: 243.—**Place, E. H.** Alabama's industrial hygiene program. *J. M. Ass. Alabama*, 1941-42, 11: 301-4.—**Price, L.** Health program of the International Ladies' Garment Workers. *J. Am. M. Ass.*, 1940, 114: 261.—**Queen, W. F.** Occupational diseases; a program for their control in Alabama. *J. M. Ass. Alabama*, 1937-38, 7: 367-70.—**Reynolds, C. V.** The problem of industrial hygiene as it has been taken up by the recently established division of industrial hygiene of the North Carolina State Board of Health. *Tr. Conf. State Terr. Health Off.*, 1936, 34: 110-8.—**Robson, R. B.** Health maintenance in small industry. *Am. J. Pub. Health*, 1941, 31: 162-6.—**Sappington, C. O.** The control of occupational diseases by laboratory methods. *J. Indust. Hyg.*, 1935, 17: 21-6.—**Integrated control of occupational diseases. *Am. J. Pub. Health*, 1936, 26: 781-5.—**Occupational disease experience: retrospect 1937; prospect 1938. *Indust. M.*, 1938, 7: 23-6.—**Sayers, R. R.** The organization of industrial hygiene units in the state department of health. *Tr. Conf. State Terr. Health Off.*, 1936, 34: 90.—**Seeger, S. J.** The industrial health program of the organized medical profession. *Indust. M.*, 1934, 12: 22 (Abstr.).—**Selby, C. D.** Industrial preventive medicine; a plan for the control of occupational diseases. *J. Am. M. Ass.*, 1937, 109: 1167-9.—**Scope and organization of health service in industry. In *Indust. Hyg.* (Lanza & Goldberg) N. Y., 1939, 3-13.—**Shakley, H.** Health department in a hotel. *Pub. Health Nurs.*, 1940, 32: 678-81.—**Stead, F. M.** Industrial hygiene in Los Angeles County. *Indust. M.*, 1942, 11: 542-6.—**Townsend, J. G.** Medical phases of industrial hygiene; as related to the work of health departments. *South. M. J.*, 1942, 35: 939-44.—**Trout, H.** The Medical Society of Virginia's program for industrial health. In *Sympos. Indust. Health* (M. Coll. Virginia) Richmond, 1940, 1-3.—**Underwood, F. J.** An industrial hygiene unit designed for you. *Mississippi Doctor*, 1942-43, 20: 331.—**Vonachen, H. A.** Industrial man hours; how Caterpillar conserves them. *Indust. M.*, 1942, 11: 381-3.—**White, A. R.** The combining of health and accident services by industry. *Pub. Health J.*, Toronto, 1925-26, 17: 76-82.—**Wilson, H. F.** Industrial hygiene activities in South Carolina. *J. S. Carolina M. Ass.*, 1937, 33: 3.—**Zimmer, V. A.** Industrial hygiene service of a state department of health to a state department of labor. *Tr. Conf. State Terr. Health Off.*, 1936, 34: 92-6.—**The interest of the Federal Government in conserving the sight of industrial workers.** *Bull. U. S. Labor Stand.*, 1940, No. 37, 13-8.****************

Health protection—in wartime.

LONDON. LABOUR RESEARCH DEPARTMENT. INDUSTRIAL HEALTH COMMITTEE. Health of the war worker. 40p. 18cm. [Lond., 1942]

UNITED STATES. LABOR DEPARTMENT. DIVISION OF LABOR STANDARDS. Safeguarding manpower for greater production; the importance of safe working conditions in maintaining and increasing industrial output for National Defense. 20p. 23cm. Wash., 1940.

— Special bulletin No. 2: The worker's safety and national defense. 11p. 19cm. Wash., 1940.

— Special bulletin No. 4: Conserving manpower in defense industries. 7p. 19cm. [Wash.] 1940.

UNITED STATES. WAR DEPARTMENT. BUREAU OF PUBLIC RELATIONS. PRESS BRANCH. Army calls industrial hygiene expert to active duty in Medical Corps. 1p. 32cm. [Wash.] 1942.

Bloomfield, J. J. Industrial hygiene in the national defense program. *Ann. Int. M.*, 1941-42, 15: 165-71. — Industrial hygiene in war production. *California West. M.*, 1942, 57: 233-7. — Bristol, L. D. Industrial health and national defense. *J. Am. M. Ass.*, 1940, 115: 1235-7. — Health and safety of war-time workers. *Minnesota M.*, 1942, 25: 441-7. — Brown, E. W. Industrial hygiene and the Navy in national defense. *War Med.*, Chic., 1941, 1: 3-14. — Cain, J. R. Industrial hygiene in national defense. *J. M. Ass. Alabama*, 1940-41, 10: 109-11. — Castellain, H. G. P. Health of T. N. T. workers. *Brit. M. J.*, 1941, 2: 889. — Cook, W. A. Industrial hygiene at work in defense industries. *Proc. Indust. Hyg. Found. America*, 1941, 6. Meet., 122-30. — Cunningham, J. G. Industrial health and national defense. *Canad. Pub. Health J.*, 1940, 31: 556-9. — The health of the worker in industry in wartime. *Ibid.*, 1941, 32: 562-4. — Health of the war worker, a handbook prepared by the Labour Research Department in cooperation with the Socialist Medical Association. *Bull. Hyg.*, Lond., 1942, 17: 522 (Abstr.). — Heiser, V. G. Industrial health and the war problem. *Connecticut M. J.*, 1942, 6: 583-7. — Industrial health in wartime. *Med. Rec.*, N. Y., 1942, 153: 365. — Heywood, M. Care of the industrial worker in wartime. *Nurs. Times*, Lond., 1940, 36: 1143. — Industrial health and the defense program. *N. York State J. M.*, 1941, 41: 217. — Industrial health and national defense. *J. Am. M. Ass.*, 1940, 115: 47. — Industrial health in wartime. *Brit. M. J.*, 1940, 1: 620. — Industrial hygiene in defense industries. *J. Am. M. Ass.*, 1941, 117: 375. — Industrial hygiene and the war. *N. England J. M.*, 1942, 226: 962. — Kay, K. Industrial hygiene control in Canadian war industries. *Nat. Health Rev.*, Ottawa, 1941, 9: 11-4. — Lynch, D. L. Industrial health and the war. *N. England J. M.*, 1942, 227: 209-16. — McConnell, W. J. Mobilization of industrial hygiene for national defense. *Am. J. Pub. Health*, 1942, 32: 9-14. — McLeod, J. L. Our defense opportunity in industrial health. *Minnesota M.*, 1942, 25: 63. — Merewether, E. R. A. Occupational medicine and hygiene, its role in Britain in wartime. *Am. J. Pub. Health*, 1943, 33: 1-14. — N., A. G. Industry, medicine and war. *Canad. M. Ass. J.*, 1941, 45: 268. — Neal, P. A. Industrial health and the national defense. *Indust. M.*, 1940, 9: 629-31. — Peterson, C. M. War-time problems in industrial health. *California West. M.*, 1942, 56: 339-41. — Industrial health in wartime. *J. Indiana M. Ass.*, 1942, 35: 410. — Wartime problems in industrial health. *Minnesota M.*, 1942, 25: 967-70. — Progress report on industrial hygiene in the national defense program. *War Med.*, Chic., 1942, 2: 497-503. — Santos Barbosa, S. dos. Estudo medico psicologico sobre o servico de saude nas nossas fabricas militares. *Rev. med. mil.*, Rio, 1936, 25: 363-70. — Seeger, S. J. Industrial health as it relates to national preparedness. *Wisconsin M. J.*, 1940, 39: 929-32. — Selby, C. D. Health methods in the war industries. *Bull. Acad. M. Toronto*, 1941-42, 15: 178-88. — Industrial hygiene in national defense. *Illinois Health Mess.*, 1942, 14: 41-3. — Tamm, E. A. Emergency protection. *Indust. M.*, 1942, 11: 20. — Townsend, J. G. Progress in the industrial hygiene program in the national defense. *Tr. Conf. State Terr. Health Off.*, 1941, 39. Conf., 83-91. — Protection of workers in civilian defense industries. *Indust. M.*, 1942, 11: 12-4. — Vernon, H. M. Industrial health in wartime. *Brit. M. J.*, 1940, 2: 25. — Wold, A. N. What the medical profession can do to increase safety and health in war industries. *Minnesota M.*, 1942, 25: 979-85.

Health survey.

See also Subheading Disease: Statistics.

ARNDT, H. *Die Entwicklung und Bedeutung der Pendelwanderung und ihre Folgen auf den Gesundheitszustand der Arbeiter unter besonderer Berücksichtigung des Textilgewerbes [Leipzig] 29p. 8°. [Zeulenroda i. Thür.] 1931.

NAUMANN [G. W.] L. *Die sozialhygienische Lage der Arbeitnehmer im Striegistal [Leipzig] 32p. 8°. Welda-Thür., 1934.

PEARSE, I. H., & WILLIAMSON, G. S. The case for action; a survey of everyday life under modern industrial conditions, with special reference to the question of health. 171p. 8°. Lond. [1931]

RINGER, F. *Die sozialhygienischen Verhältnisse der Spitzenklöppel-Heimarbeit in der Bayerischen Ostmark [München] 32p. 21½cm. Sulzbach-Rosenberg, 1938.

SAYERS, R. R., DALLA VALLE, J. M., & BLOOMFIELD, S. G. Occupational and environmental analysis of the cement, clay, and pottery industries. 50p. 8°. Wash., D. C., 1937.

Bergquist, G. Undersökning av de anställdas levnadsförhållanden vid en medelstor konfektfabrik i Arboga. *Nord. med.*, 1941, 11: 2164 (Abstr.). — Carter, R. F., Westcott, F. H., & Allen, A. W. Twelve year medical survey of a large commercial organization. *N. York State J. M.*, 1937, 37: 162-6. — Cunningham, J. G. Industrial medical surveys. *Proc. Occup. Dis. Sympos.* (1938) 1939, 45-57. — Dresel, E. G., & Grabe, C. Einfluss der Pendelwanderung auf die Arbeitnehmer. *Deut. med. Wschr.*, 1924, 50: 959-61. — Hesz, J. [Importance of health surveys for occupational diseases] *Orvosképzés*, 1939, 29: 66-72. — Kagan, S. S. [Condition of health among the working population of the Ukraine for 1938] *Radianska med.*, 1939, 4: 69-72. — Krüger, E., & Saupe, E. Gewerbehygienische und klinisch-röntgenologische Untersuchungen in Bronzestaubbetrieben. *Klin. Wschr.*, 1927, 6: 77-80. — Morris, J. N. A medical examination of 1592 workers. *Lancet*, Lond., 1941, 1: 51-3. — Pohlman, S. C. A visual survey in industry. *Optomet. Week.*, 1933, 24: 661-3. — Zapel, E. Results of serial examinations in factories; the health card of the German labor front's board of people's health and protection. *J. Indust. Hyg.*, 1941, 23: Suppl., 169 (Abstr.)

Hospital service, and health resorts.

See also Group medicine, Hospital service; Health resort; Industrial medicine, Hospital.

Anton, W. Zeitgemässe Lösung ärztlicher Aufgaben; gesehen von einer Heilstätte der Reichsversicherung für Angestellte. *Deut. med. Wschr.*, 1935, 61: 2092-4. — Blum, P. Assurés sociaux et cures thermales et climatiques. *C. rend. Congr. internat. hydr. clim. géol. méd.* (1933) 1934, 14. Congr., 575-9. — Cox, A. Spa treatment in industrial diseases. *J. State M.*, Lond., 1935, 43: 596-610. — Davis, G. G. The essentials of a complete record of industrial patients. *Hosp. Management*, 1927, 23: No. 4, 61-6. — Devoto, L. I convalascenzieri operai da Ferdinando de Medici (1592) ai nostri giorni. *Med. lavoro*, 1936, 27: 113; 124. — Edsall, D. L. Industrial clinics in general hospitals. *Mod. Med.*, Chic., 1919, 1: 575-7. — Hayt, E. Hospitals under the new compensation law. *N. York Physician*, 1935, 4: 15-28. — Pollak, M. E. Service plans welcomed by industry as aid to national defense program. *Hosp. Management*, 1941, 51: No. 6, 22. — Relation (The) of the hospital to the compensation insurance companies. *Mod. Hosp.*, S. Louis, 1919, 12: 294-6. — Rogers, S. P. Hospital management of industrial cases. *Indust. M.*, 1942, 11: 203-7. — Walsh, G. The industrial clinic. *Med. Clin. N. America*, 1928-29, 12: 1459-77. — Workmen's compensation acts; employer's liability for expense of hospitalization beyond statutory limits. *J. Am. M. Ass.*, 1938, 111: 748. — Zapel, E. Further results of serial examinations; health card of the German labor front's board of people's health and protection. *J. Indust. Hyg.*, 1941, 23: Suppl., 170 (Abstr.)

Housing.

See Housing.

Injury.

See also Accidents and Injuries, industrial; Disability, Insurance; Industrial worker, Health insurance; Workmen's compensation.

DESBOEUF, G. *Du rôle du médecin électricien dans les accidents du travail. 93p. 8°. Par., 1908.

HAUSSER, G. *Le médecin-expert et la révision en matière d'accidents du travail [Paris] 193p. 8°. Rouen, 1936.

KOSSORIS, M. D. Manual on industrial injury statistics. 201p. 23cm. Wash., 1940.

NETTO, M. L. *Do estado anterior nos infortúnios do trabalho (contribuição ao seu estudo) 99p. 8°. S. Paulo, 1926.

Babb La Vona. Getting the injured man back on the job. *Pub. Health Nurs.*, 1937, 29: 698-701. — Balthazard, V. L'état antérieur chez les victimes des accidents du travail. *Méd. accid. travail*, 1908, 6: 204. — Biondi, C. Le malattie professionali devono essere tenute distinte dagli infortuni del lavoro? quali ne sarebbero i caratteri differenziali? *Ramazzini*, 1910,

- 4: 416-39.—**Blum, S.** Hygiène mentale du travail et prophylaxie des accidents. *Ann. méd. psychol.*, Par., 1935, 93: pt 1, 828.—**Bohman, H. R.** Industrial injuries. *Med. Clin. N. America*, 1941, 25: 365-87.—**Caplesco, C. P.** Le risque professionnel et les accidents du travail. *Opera Internat. Congr. Indust. Accid.* (1928) 1929, 5, Congr., 225-7.—**Cia, F. M.** Contribución a la profilaxis de los accidentes del trabajo originados por la llamada falta del patrón. *Rev. espec.*, B. Air., 1929, 4: 1235-44.—**Colaiani, P.** Visite preventive degli operai e visite generali al momento e con l'occasione dell'infortunio. *Atti Congr. med. internaz. infortun. lavoro*, 1909, 2, Congr., 2: 456-60.—**Compensability of injury** resulting from violation of rules. *Month. Labor Rev.*, 1939, 48: 1108.—**Davis, P. A.** Industrial accidents. *Ohio M. J.*, 1930, 26: 838.—**Domenici, F.** Il fattore costituzionale in infortunistica. *Ber. Internat. Congr. Unfallmed.* (1938) 1939, 8, Congr., 1: 302.—**Ernst, M.** Nachoperationen bei versicherten Unfallverletzten. *Deut. Zschr. Chir.*, 1935-36, 246: 61-87.—**Fay, O. J.** Evaluation of compensation injuries. *Indust. M.*, 1941, 10: 244-6.—**Foisie, F. P.** Medical care of the injured workman. *Northwest M.*, 1932, 31: 512-4.—**Garve, K.** And what happened after the employee's accident? *Illinois M. J.*, 1934, 66: 270-6.—**Giannone, A.** Saggio statistico e considerazioni su 19611 infortuni occorsi fra gli operai del R. Arsenale di Spezia negli anni 1904, 1906, 1907, 1908, & 1909. *Ann. med. nav.*, Roma, 1912, 18: 361-99.—**Gignoux, M.** Calcul des infirmités multiples dans les accidents du travail. *Ann. méd. lég.*, 1936, 16: 587-96.—**Girardi, V. C.** Asistencia integral al obrero lesionado del trabajo. *Scm. méd.*, B. Air., 1940, 47: pt 1, 533-9.—**Guareschi, G.** L'incuria dell'infortunato nel nuovo regime assicurativo. *Zaccchia*, 1937, 2, ser., 1: 75-80.—**Hendrix, M. B.** Immediate treatment of industrial trauma. *Mississippi Doctor*, 1935-36, 13: No. 2, 33-6.—**Hughes, H. L.** Problem of the injured worker. *Proc. Conv. Ass. Governm. Labor Offic. U. S. & Canada*, 1921, 7: Bull. No. 266, 118-33.—**Imbert, A.** Les accidents du travail et les compagnies d'assurances. *Rev. sc.*, Par., 1904, 5, ser., 1: 711-9.—**Injured (The) workman.** *Lancet*, Lond., 1940, 1: 1051.—**Jerusalem, M.** Ueber einige typische traumatische Erkrankungen der Bau- und Industrie-Arbeiter. *Wien. Arb. sozial. Med.*, 1910, 107-19.—**Koiransky, B. B.** [List of diseases, disqualifying for work by industrial injuries]. *Mosk. med. J.*, 1927, 7: No. 3, 67-72.—**Lavos, G.** Legal provisions for second injuries under the workmen's compensation laws. *Outlook for Blind*, 1940, 34: 155-63.—**Marchese De'Luna, G.** Osservazioni sulla formula della misura per la guaribilità ed indennità dei morbi da infortunio sul lavoro. *Riv. med.*, 1917, 25: 133.—**Meyering, H. W.** Management of industrial injuries. *Proc. Mayo Clin.*, 1942, 17: 177-80.—**New regulations concerning injured employees of Works Progress Administration.** *J. Am. M. Ass.*, 1935, 105: 373.—**Patton, E. B.** Compensated injuries; comparison with other accidents shows falls as prime menace. *Indust. Hyg., Alb.*, 1938, 17: No. 4 [5-8].—**Shipman, T. L.** The injured worker; general considerations. *Indust. M.*, 1940, 9: 15-8.—**Stewart, D.** The rehabilitation of the injured worker with special reference to the Workmen's Compensation Act. *Lancet*, Lond., 1939, 1: 129-32.—**Supreme Court of Minnesota rules injured workman may select own physician under Workmen's Compensation Act.** *Minnesota M.*, 1940, 23: 435-8.—**Williams, J. D.** The law as it applies to injuries of state employees sustained in line of duty. *Quarterly, S. Paul*, 1935, 34, 3: 20-8.—**Workmen's compensation Act, Minnesota;** right of injured employee to select physician at employer's expense. *J. Am. M. Ass.*, 1940, 115: 960.—**Workmen's compensation act (Minnesota) right of injured workman to change physicians at expense of employer.** *Ibid.*, 961.—**Workmen's compensation acts;** right of an injured employee to select his own physician [Idaho] *Ibid.*, 1941, 116: 2426.

— Medical service.

See also **Emergency; Factory, Medical service; First aid; Group medicine, State medicine; Service benefits; Industrial physician.**

FABRE, A. *L'organisation de la médecine du travail en France; aperçus sur quelques réalisations étrangères. 138p. 25½cm. Lyon, 1938.

NEWQUIST, M. N. Medical service in industry and workmen's compensation laws. 70p. 25½cm. Chic., 1938.

UNITED FRUIT COMPANY. MEDICAL DEPARTMENT. Annual report. 110p. 8° Bost., 1921-.

[UNITED STATES] **NATIONAL INDUSTRIAL CONFERENCE BOARD.** Medical supervision and service in industry. 125p. 8° N. Y., 1931.

Aerztliche (Die) Betreuung der Arbeiter aus Holland, Belgien und Frankreich. Aerztebl. Hessen, 1941, 9: 26.

Aperlo, G. Alcuni dati sull'assistenza sanitaria agli operai dell'industria nel primo anno di funzionamento dell'Ufficio provinciale fascista delle casse malattia dell'industria di Milano. *Zaccchia*, Roma, 1937, 2, ser., 1: 132-8.—**Ashburn, K. E.** Defects of provision for medical services under the Texas Workmen's Compensation Insurance Act. *Texas J. M.*, 1938-39, 34: 563.—**Atlas Powder Company case.** *Ohio M. J.*, 1942, 38: 60.—**Barla-Szabó, J.** Massnahmen und Einrichtungen

(Institutionen) zur Heilung und zur Entschädigung von Gewerbeunfällen und von Berufskrankheiten in Ungarn. *Opera Internat. Congr. Indust. Accid.* (1928) 1929, 5, Congr., 417-25.—**Blackler, C. F.** The need of medical services in industry. *Nat. Health Rev.*, Ottawa, 1942, 10: 113-20.—**Bloom, M. S.** Medical service plans for small industries. *J. Am. M. Ass.*, 1942, 118: 652.—**Bradley, F. R.** Employees' health service of value to personnel, hospital and patients. *Hosp. Management*, 1940, 50: No. 6, 18.—**Bray, C. B.** An industrial medical care plan. *Med. Care*, 1941, 1: 344-9.—**Bridge, J. C.** A review of the medical supervision of industry by the state. *J. R. Inst. Pub. Health*, 1937-38, 1: 911-22.—**Bristol, L. D.** Preventive and industrial medicine and public health; next steps in organization and administration. *J. Am. M. Ass.*, 1937, 109: 245-7.—**Brooks, A. L.** Organization and management of an industrial medical service. *Med. Clin. N. America*, 1942, 26: 1005-18.—**Brown, J. A.** Industrial medical services. *Brit. M. J.*, 1941, 2: 888.—**Bulger, T. J.** Industrial medicine at the Du Pont Co. *Memphis M. J.*, 1941, 16: 95-100.—**Carey, T. S.** The world's largest engineering project; its medical department. *Phi Chi Quart.*, Menasha, 1934, 31: No. 5, 561-5.—**Caturian** [Sanitary service for workmen in the Armenian S. S. R.] *Gig. & zdorov.*, 1942, 7: No. 5, 47.—**Chivers, J. H.** Medical and surgical service in a large plant. *Indust. M.*, 1942, 11: 208-11.—**Commonwealth Edison's medical offices.** *Ibid.*, 1941, 10: 423.—**Conservation of manpower, a program for the extension and improvement of industrial medical service in Connecticut.** *Connecticut M. J.*, 1941, 5: 461-4.—**Coppa, E.** L'obbligatorietà delle cure mediche e chirurgiche nella nuova legge sugli infortuni e le malattie professionali. *Fol. med.*, Nap., 1936, 22: 118-25.—**Dawson, M.** Medical aid under workmen's compensation laws. *Month. Labor Rev.*, 1939, 48: 25-46.—**Medical care under workmen's compensation.** *Med. Care*, 1941, 1: 19-32.—**Del Padulo, F.** La medicina del lavoro nella organizzazione sindacale francese. *Assist. sociale*, 1939, 13: 1-8.—**Departure and adherence.** *Connecticut M. J.*, 1941, 5: 933-5.—**Feil, A.** L'organisation des services médico-sociaux dans les usines. *Presse méd.*, 1940, 48: 1081.—**Ferri, G. B.** La nuova prestazione delle cure mediche o chirurgiche nel campo degli infortuni industriali. *Assist. sociale*, Roma, 1936, 10: 588-96.—**[France. Minister of Labor]** Recommendation regarding the organization of a medical and social service and security in establishments mentioned in article 65, book II of the labor code. *J. Indust. Hyg.*, 1942, 24: Suppl., 64 (Abstr.).—**Gibbons, M. R.** How can medical service be improved? *Proc. Internat. Ass. Indust. Accid. Bds* (1919) 1920, 6: 288-94.—**Glover, H. M.** Industrial medical mobilization. *J. Kansas M. Soc.*, 1940, 41: 518-20.—**Goldmann, F.** Medical care in industry; plans providing complete service for employees and their families. *Med. Care*, 1941, 1: 301-12.—**Medical care in industry; problems of administration and organization in 4 plants.** *Ibid.*, 1942, 2: 3-17.—**Goodrich, S. L.** Thirty three years of medical service in Bayonne refinery. *Med. Bull. (Standard Oil Co.) N. Y.*, 1939-41, 4: 14-9.—**Hausser, G.** La protection médicale du travail en France. *Arch. med. lég. ident.*, Rio, 1938, 8: 284-93.—**Also Rass. med. lavoro indust., 1938, 9: 187-94.—**Heinrich, H. W.** Safety organization, first aid and hospital. In his *Indust. Accid. Prev.*, 2, ed., N. Y., 1941, 314-27.—**Industrial Commission disbursed \$2,793,522.82 for medical services in 1940; annual report of actuary is reviewed.** *Ohio M. J.*, 1941, 37: 876-8.—**Industrial establishments conducting medical services which are approved by the College.** *Bull. Am. Coll. Surgeons*, 1941, 26: 733-46.—**Also Indust. M., 1942, 11: 79-84.—**Industrial (The) medical department; quarters and equipment.** *J. Am. M. Ass.*, 1941, 117: 34 plans.—**Industrial (An) medical department; memorial to Lord Austin.** *Brit. M. J.*, 1941, 2: 883.—**Industrial medical services.** *Lancet*, Lond., 1941, 2: 257.—**Industrial medical mobilization.** *J. Am. M. Ass.*, 1942, 118: 622.—**Industrial medical service.** *Pub. Health*, Lond., 1941-42, 55: 51.—**Industrial medical service.** *N. York State J. M.*, 1942, 42: 1623; passim.—**Industrial (The) medical service of the Standard Oil Company, New Jersey, and affiliated companies.** *Med. Bull. (Standard Oil Co.) N. Y.*, 1941-42, 5: 92-4.—**Jenkins, I. D.** Policies and procedures of an industrial medical department. *Indust. M.*, 1942, 11: 47-55.—**Johnson, W. S.** An appraisal of industrial medical facilities in Lycoming County. *Ibid.*, 598-600.—**Joseph, E.** Der neue Vertrag zwischen dem Verband der Aerzte Deutschlands (Hartmannbund) und dem Verband der Deutschen Berufsgenossenschaften. *Msehr. Unfallh.*, 1929, 36: 86-91.—**Keller, W. S.** Medical care for millions of people in industry. *J. Indiana M. Ass.*, 1942, 35: 436.—**Laidlaw, S., & Anderson, A.** Casualty services; cooperation with employers of labour. *Med. Off.*, Lond., 1942, 68: 22.—**Lanza, A. J.** Medical service in small industries. In *Sympos. Indust. Health* (M. Coll. Virginia) Richmond, 1940, 43-8.—**Also J. Michigan M. Soc., 1942, 41: 315-8.—**Lasher, W. W.** The industrial medical department; a study of its organization, based on a review of 20,919 consecutive accident cases in 3 years. *Indust. M.*, 1936, 5: 285-92.—**Leland, R. G.** Medical care for migratory workers. *J. Am. M. Ass.*, 1940, 114: 43-55.—**Lynch, D. L.** Emergency preparedness; report of the American Association of Industrial Physicians and Surgeons Committee on National Defense. *Indust. M.*, 1942, 11: 358-42.—**Martin, F. H.** Will industrial medicine and traumatic surgery have a place in the National Industrial Recovery Act? *Surg. Gyn. Obst.*, 1934, 58: 491.—**Martins, G.** Wie weit darf sich die Behandlung der Verletzten in den Betrieben erstrecken? *Msehr. Unfallh.*, 1938, 45: 204-13.—**Mayers, M. R.** First aid in small plants.******

Indust. Hyg. Bull., 1941, 20: No. 12, 1.—**Medical care of young workers.** Lancet, Lond., 1942, 1: 431.—**Medical preparedness: industrial medicine.** N. England J. M., 1940, 223: 347.—**Medical service for employees.** Personnel J., 1936-37, 15: 160-7.—**Medical service in industry.** Ibid., 1938-39, 17: 40-50.—**Medical (The) supervision of industrial workers.** J. Am. M. Ass., 1942, 118: 660.—**Medical supervision of industrial workers: report of B. M. A. Special Committee.** Brit. M. J., 1941, 2: 783-5.—**Medical supervision of the young after entering industry.** J. Am. M. Ass., 1942, 119: 1519.—**Medical treatment under Workmen's Compensation Act.** Med. Rec., N. Y., 1942, 155: 88.—**Murdoch, A.** Medical supervision of industrial workers. Brit. M. J., 1941, 2: 889.—**New Haven industrial medical service.** Med. Rec., N. Y., 1942, 155: No. 5, 12.—**Also Science,** 1942, 95: 187.—**Newquist, M. N.** Medical and surgical service in industry and workmen's compensation laws; a digest. Bull. Am. Coll. Surgeons, 1934, 18: p. iii-ix; 1-50. Report of 1936 surveys of medical services in industry by the American College of Surgeons. Surg. Gyn. Obst., 1937, 64: 403-6.—**Page, R. C.** Medical service in industry. Med. Bull. (Standard Oil Co.) N. Y., 1941-42, 5: front, 1.—**Pharris, C.** Medical services in small industrial plants. Am. J. Pub. Health, 1942, 32: 860-4.—**Pik, C. D.** [Medico-sanitary service for defense industries] Gig. & zdorov., 1942, 7: No. 3, 48-50.—**Purpose and functions of the Medical Department, 30 Rockefeller Plaza, New York.** Med. Bull. (Standard Oil Co.) N. Y., 1941-42, 5: front, 7.—**Relation of emergency medical services to industrial plants.** J. Am. M. Ass., 1942, 119: 1378.—**Responsibility (The) of medical societies in the war industry production effort.** Pennsylvania M. J., 1942-43, 46: 36-8.—**Rickford, R. V.** Medical services in industry. In Prevent. Med. Modern Pract. (J. A. Miller) N. Y., 1942, 706-18.—**Rossi, A. R.** La necesidad de crear clínicas del trabajo. Dña méd., B. Air., 1940, 12: 980.—**Sanderson, A. W.** Medical services and benefits made available by Messrs. Cadbury Brothers, Ltd. Birmingham M. Rev., 1927, n. ser., 2: 114-6.—**Sawyer, W. A.** Relation of an industrial medical department to a community health program. J. Am. M. Ass., 1927, 89: 1408-13.—**Schoenleber, A. W.** Medical service in industry. Med. Bull. (Standard Oil Co.) N. Y., 1935-36, 2: 235-46.—**Seeley, S. F.** Procurement and Assignment Service quotes industrial needs. J. Indiana M. Ass., 1942, 35: 421.—**Siohe, F. W.** The care of employees in industry by physicians and surgeons in independent practice. Surg. Gyn. Obst., 1933, 56: 551-3.—**Small plant program.** Indust. M., 1942, 11: 384.—**Smith, A. R.** Medical service plans for larger industrial plants. Indust. Hyg., Alb., 1942, 21: 369-72.—**Industrial hygiene; medical service plans outlined for larger industrial plants of State.** N. York State J. M., 1943, 43: 260-6.—**Stewart, D.** Industrial medical services in Great Britain; a critical survey. Brit. M. J., 1941, 2: 762-5.—**Stowell, T. E. A.** The medical service of an industrial concern. J. R. San. Inst., 1935-36, 56: 280-5.—**Taylor, M. R.** Medicine in industry. Pennsylvania Health, 1934, 12: 11-5.—**Thompson, F. H.** How can medical service be improved? Proc. Internat. Ass. Indust. Acid. Bds (1919) 1920, 6: 295-305.—**Trask, J. W.** Medical and hospital treatment under United States Compensation Act. Mod. Med., Chic., 1919, 1: 489-95.—**Vintinner, F. J.** First aid service in small industrial plants. N. Hampshire Health News, 1942, 20: No. 5, 3-7.—**Vonachen, H. A.** Presenting the case for a health and medical plan. Indust. M., 1941, 10: 157-9.—**Weit, L. G.** Industrial medical services for small industries. Yale J. Biol., 1941-42, 14: 673-6.—**Whittaker, A. H.** Medical facilities and service for small plants. Indust. M., 1942, 11: 514-7.—**Workmen's compensation service.** Westchester M. Bull., 1935, 3: No. 8, 4; 7.—**Yale (The) plan for servicing small industrial plants.** Connecticut M. J., 1942, 6: 63.

Mortality.

[AMERICA] COLONIAL LIFE INSURANCE COMPANY [et al.] The Mortality experience of industrial policyholders, 1916-20; a contribution to the public health movement in America. 150p. 8°. N. Y., 1923.

[AMERICA] PRUDENTIAL INSURANCE CO. OF AMERICA. Anthropometric statistics; ordinary mortality-experience 1886-1911, and Indian and Mexican applicants for industrial insurance, 1907-12. 30p. 8° [n. p., n. d.]

DUBLIN, L. I., & LOTKA, A. J. Twenty-five years of health progress; a study of the mortality experience among the industrial policyholders of the Metropolitan Life Insurance Company 1911 to 1935. 611p. 8°. N. Y., 1937.

DUNLOP, J. C. Occupation mortalities; with abstract of discussion thereon. 86p. 8°. Lond., 1909.

KLEIPOL, C. M. *Een kritische beschouwing over beroepsziekte en beroepssterfte-statistiek. 121p. 23cm. Amst., 1912.

Baker, A. L. Why business men die young. Good Health, 1940, 75: 88.—**Britten, R. H.** Mortality rates by occupational class in the United States. Pub. Health Rep., Wash., 1934, 49: 1101-11.—**Brown, H.** A note on the Registrar-General's reports on occupational mortality in England and Wales in connexion with recent censuses. J. Inst. Actuaries, Lond., 1941, 71: 101-23.—**Casu, A.** Mortalità tra gli operai italiani in A. O. I. durante gli anni 1935-37. Ann. igiene, 1938, 48: 17-25.—**Comparative data on the causes of death among industrial policyholders.** Statist. Bull. Metrop. Life Insur., 1942, 23: No. 7, 11.—**Dublin, L. I.** Mortality of the industrial population of Michigan. Pub. Health Michigan, 1916, 4: 92.—**Occupational mortality experience of 94,269 industrial workers; Metropolitan Life Insurance Company experience, 1911-13.** Am. J. Pub. Health, 1916, 6: 663-70. Also Cleveland M. J., 1916, 15: 315-39.—**The mortality trend in the industrial population.** Am. J. Pub. Health, 1929, 19: 475-81.—**Fewer occupational fatalities among insured wage-earners in 1935.** Statist. Bull. Metrop. Life Insur., 1936, 17: No. 5, 1.—**H., E.** Beruf und Sterblichkeit. Deut. Aerzte Ztg, 1937, 12: No. 440.—**Hazard factors in the accident mortality record.** Statist. Bull. Metrop. Life Insur., 1923, 4: No. 9, 5.—**Hedrich, A. W., Murphy, T. F.** [et al.] Occupational mortality statistics. Am. J. Pub. Health, 1933, 23: Suppl., 68-70.—**Kerr, F. R.** Morbidity figures of various public service occupations. Med. J. Australia, 1924, 1: Suppl., 306-8.—**Loro, A.** Le morti improvvisi sul lavoro. Ber. Internat. Kongr. Unfallmed. (1938) 1939, 8. Congr., 2: 1154.—**Lutz, G., Beutenmüller & Feldmann.** Erhebungen über die Krankheitsverhältnisse in der Schuhindustrie mit besonderer Berücksichtigung der Krankenziffern der AOKK Ludwigsburg. Vertrauensarzt, 1939, 7: 193; 217.—**Mortality by occupation and social class.** Lancet, Lond., 1938, 2: 897.—**New minima in industrial mortality.** Statist. Bull. Metrop. Life Insur., 1935, 16: 1-5.—**Occupation and environment as causes of excessive mortality.** Med. Off., Lond., 1942, 67: 65.—**Occupational death rates in 1930.** In Handb. Lab. Statist. (Parker, F. E.) Wash., 1936, 768-71.—**Occupational fatality rate lowest in 20 years.** Statist. Bull. Metrop. Life Insur., 1932, 13: 1-3.—**Occupational mortality; the Registrar-General's decennial supplement, 1931.** Lancet, Lond., 1938, 2: 906-9.—**Pearl, R.** A note on the mortality of brewery employees. Human Biol., 1929, 1: 136-8.—**Roubakine, A.** Les assurances sociales et la mortalité. Presse méd., Par., 1937, 45: 242.—**Royo Villanova, R.** ¿Por qué se mueren los que trabajan? Cln. mod., Zaragoza, 1913, 12: 179-85.—**Selleslags, W.** Mortalité professionnelle et sociale en Angleterre. Arch. méd. sociale, Brux., 1939, 2: 450-3.—**Social insurance and the mortality rate.** Paris. J. Am. M. Ass., 1937, 108: 1352.—**Stocks, P.** The effects of occupation and of its accompanying environment on mortality. J. R. Statist. Soc., Lond., 1938, 101: 669-708.—**Teley, L.** Ein Beitrag zur Mortalitätsstatistik der Krankenkassen. Zbl. Gewerbehyg., 1917, 5: 105-8.—**Truesdell, L. E.** The outlook for mortality statistics by occupation. Am. J. Pub. Health, 1929, 19: 620-6.

Nutrition.

See also Nutrition.

Bigwood, E. J. Workers' nutrition. In Occup. & Health, Genève, 1940, Suppl. 4, art. 4, 1-15.—**Booher, L. E.** Adequate nutrition for the industrial worker. In Sympos. Indust. Health (M. Coll. Virginia) Richmond, 1940, 30-42, incl. 2 tab. Also J. Am. M. Ass., 1940, 114: 548-53.—**Canteens at work.** Lancet, Lond., 1942, 1: 268.—**Cook, C. F.** Feeding industrial national defense workers. J. Am. Diet. Ass., 1941, 17: 794-6.—**Floore, F. B.** The dietitian and industrial feeding. J. Am. Diet. Ass., 1942, 18: 635-41.—**Haggard, H. H., & Greenberg, L. A.** The selection of foods for between-meal feeding in industry. Ibid., 1941, 17: 753-8.—**Hall, H. M.** Pack a lunch a man can work on! Hygeia, Chic., 1942, 20: 900; 928.—**Jukes, T. H.** The role of nutrition in industrial hygiene. Pacific Coast M., 1941, 8: No. 3, 7.—**Kelly, M. C.** The industrial cafeteria, a school for nutrition. J. Am. Diet. Ass., 1942, 18: 840.—**Kershaw, J. D.** The diet of factory workers in war time. Med. Press & Circ., Lond., 1942, 207: 152-4.—**Morgan, A. F.** The role of nutrition in industrial hygiene. Pacific Coast M., 1941, 8: No. 3, 2-7.—**Podgaetzky, V.** Feeding of laborers and workers in soviet industries. Profil. med., Kharkov, 1927, 6: 6, 13-20.—**Schäffgen.** Die Gemeinschaftsverpflegung in gewerblichen Betrieben während des Krieges. Arbeitsschutz, 1940, 174-8.—**Vitamins and industrial workers.** J. Am. M. Ass., 1942, 118: 623.—**Wiehl, D. G.** Diets of a group of aircraft workers in southern California. Milbank Mem. Fund Q., 1942, 20: 329-66.

Psychological aspect.

See also Industrial psychology.

TEAD, O. Instincts in industry; a study of working-class psychology. 221p. 8°. Bost., 1918.

Banissoni, F. Concetto di volontarietà in psicotecnica. Rass. med. lavoro indust., 1933, 4: 89-95.—**Blood, W., Harwood, J., & Vernon, H. M.** Discussion on effects of war-time industrial conditions on mental health. Proc. R. Soc. M., Lond., 1941-42, 35: 693-8.—**Brailovsky, V.** [Psycho-neurological survey of workers on dredging machines] Vrach. delo,

1927, 10: 517-20.—**Castaldi, L.** Costituzioni e attitudini; ricerche italiane. *Rass. internaz. clin. ter.*, 1939, 20: 773-86.—**Eliasberg, W.** Bemerkungen zur Psychopathologie und Psychotherapie der abhängigen Arbeit. *C. rend. Conf. internat. psychotechn.* (1934) 1935, 8. Conf., 525-32.—**Hannich, W.** Zur Psychologie des Werkstätten- und Fabrikarbeiters. *Zschr. Gewerbehyg.*, 1926, 32: 131-4.—**Hersey, R. B.** Psychology of workers. *Personnel J.*, 1935-36, 14: 291-6.—**How to learn worker attitudes.** *Ibid.*, 1937-38, 16: 258-64.—**Jahoda, M.** Some socio-psychological problems of factory life. *Brit. J. Psychol.*, 1940-41, 31: 191-206.—**Link, H. C.** Workers' reactions to industrial problems in a war economy. *J. Appl. Psychol.*, 1942, 26: 416-38.—**Mackenzie, I.** Psycho-analysis; an occupational psychosis, or volvulus of the psyche. *Caledon. M. J.*, 1922-23, 12: 102-11.—**Moore, H.** The values and limitations of employee attitude studies. *Psychol. Bull.*, 1941, 38: 530.—**Oeser, O. A.** Psychological and sociological aspects of labour transference. *Rep. Brit. Ass. Advance. Sc.*, 1937, 107: 382.—**Robinson, G. C.** Les facteurs émotifs comme causes morbides dans l'industrie. *Arch. méd. sociale, Brux.*, 1939, 2: 16-25.—**Slocombe, C. S.** Workers as individuals. *Personnel J.*, 1936-37, 15: 168-75.—**Stagner, R. Rich., J. N., & Britten, R. H., jr.** Job attitudes; defense workers. *Ibid.*, 1941-42, 20: 90-7.—**Super, D. E.** Occupational level and job satisfaction. *J. Appl. Psychol.*, 1939, 23: 547-64.

Recreation and rest periods.

See also **Rest; Vacation.**

KELLER, F. Beurlaubung von Industriearbeitern zur Beschäftigung in landwirtschaftlichen Betrieben unter Mitwirkung der sozialen Versicherungsanstalten; eine Vorbeugungs- und Volksheilmittel gegen Nervenkrankheiten. 56p. 8° Lpz., 1905.

Eastwood, F. R., & Diehl, L. J. Survey of industrial recreation. *Personnel J.*, 1940-41, 19: 284-9.—**Guilhaud, G. A.** La ration du repos et la journée maxima sanitaire dans l'industrie. *Hygiène gén. appl., Par.*, 1909, 4: 661-74.—**McGehee, W., & Owen, E. B.** Authorized and unauthorized rest pauses, in clerical work. *J. Appl. Psychol.*, 1940, 24: 605-14.—**Simonson, E.** Physiologische Grundlagen der Pausenregelung. *C. rend. Conf. internat. psychotechn.* (1934) 1935, 8. Conf., 566-72.—**Water, M. V. De.** The importance of rest periods. *Science*, 1942, 96: Suppl., No. 2485, 7.

Sickness insurance.

See also **Accidents and injuries, Compensation; Disability, Insurance; Group, Social security; Group medicine, Sickness insurance; Workmen's compensation.**

DEUTSCHE (DAS) HANDWERK; sozialpolitische Schriftenreihe. H. 11: Der Handwerker in der Unfallversicherung. 64p. 8° Berl. [1937?]

HEBESTREIT, H., & BARTSCH, H. Die Berufskrankheiten in der Unfallversicherung. 145p. 8° Berl., 1937.

KROHN, J., MARTINECK, O. [et al.] Die Ausdehnung der Unfallversicherung auf gewerbliche Berufskrankheiten. 56p. 8° Berl., 1926.

PATIN, J. A. N. Ontwerp arbeiders-ziekte-verzekering. 138p. 24cm. Haarlem, 1910.

SIEGMUND, B. *Rechtsbegriffliche Schwierigkeiten in der zweiten Verordnung über die Ausdehnung der Unfallversicherung auf Berufskrankheiten für den zur Anzeige verpflichteten und begutachtenden Arzt. 144p. 23½cm. Berl., 1936.

Also Veröff. Medverwalt., 1936, 46: 915-1057.

Assicurazione di responsabilità civile; divieto di chiamare in garanzia l'assicuratore. *Riv. crit. infortunist.*, 1935, 24: 13-5.—**Ausdehnung der Unfallversicherung auf Berufskrankheiten.** *Reichsgesundhbl.*, 1937, 12: 39-41; 272.—**Balthazard, V.** Maladies professionnelles et assurances sociales. *Paris méd.*, 1930, 77: 429.—**Beitker, E.** Unbestimmte medizinische Begriffe der Verordnung vom 11. Februar 1929 über die Ausdehnung der Unfallversicherung auf Berufskrankheiten. *Aerztl. Sachverst. Ztg.*, 1934, 40: 16-9.—**Boldrini, B.** Criteri generali di valutazione delle menomazioni in materia di assicurazione contro la malattie professionali. *Arch. antrop. crim.*, Tor., 1934, 54: Suppl., 254-8.—**Bonvoisin, G.** Influence démographique des caisses de compensation et de leurs services sociaux. *Congr. internat. popul.* (1937) 1938, 1. Congr., 7: 196-9.—**Bottai, C.** Riforma (La) delle leggi di assicurazione obbligatoria contro gli infortuni sul lavoro al Consiglio Nazionale delle Corporazioni. *Rass. previd. sociale*, 1932, 19: No. 10, 24-69.—**C., L.** L'assimilazione delle malattie professionali agli infortuni del lavoro in Francia. *Ramazzini*, 1910, 4: 350-60.—**Carozzi, L.** Das Internationale Arbeitsamt und

die Versicherung der Berufskrankheiten. *Arch. Gewerbepath.*, 1930, 1: 317-29.—**Chajes, B.** Die sozialhygienische Bedeutung der Verordnung über Ausdehnung der Unfallversicherung auf gewerbliche Berufskrankheiten. *Zschr. Schulgesundh.*, 1926, 39: 145-50.—**D., P.** L'escroquerie à l'assurance. *Presse méd.*, 1939, 47: 134.—**Deutsches Reich; Erlass des Reichsarbeitsministers, betr. gewerbeärztlicher Dienst im Lande Oesterreich bei der Durchführung der Dritten Verordnung über Ausdehnung der Unfallversicherung auf Berufskrankheiten, vom 13. April 1939.** *Reichsgesundhbl.*, 1939, 14: 487.—**Diez, S.** Le malattie infettive e parassitarie occasionate dal lavoro, nelle leggi delle assicurazioni sociali. *Rass. previd. sociale*, 1929, 16: No. 12, 4-27.—**Disposizione per l'assicurazione obbligatoria degli infortuni sul lavoro e delle malattie professionali.** *Riv. crit. infortunist.*, 1935, 20: 225-44.—**Domenichini, G.** Appunti su l'assicurazione malattie professionali. *Boll. Soc. med. chir. Modena*, 1934, 34: 93-106.—**Dritter (Zur) Verordnung über Ausdehnung der Unfallversicherung auf Berufskrankheiten.** *Reichsgesundhbl.*, 1938, 13: 51.—**Dröge, J. van.** Bedrijfsziekte en de Nederlandse ongevalverzekering. *Centr. org. ongeval. verzeke.*, 1906, 3: 1-9.—**Extension of insurance against occupational diseases.** *J. Am. M. Ass.*, 1937, 108: 1190.—**Ferrari, R. P.** Brief aus Italien; Einführung der obligatorischen Versicherung gegen die Berufskrankheiten in Italien. *Deut. med. Wschr.*, 1935, 61: 22.—**Francioni, G.** Patologia professionale e assicurazioni sociali. *Rass. previd. sociale*, 1933, 20: No. 10, 29-35.—**G., R. B.** Il lavoro nell'Africa italiana. *Assist. sociale, Roma*, 1937, 11: 1003.—**Giromoni, M.** L'assicurazione obbligatoria delle malattie professionali. *Ibid.*, 1938, 12: 1076-84.—**Glibert, D.** Les quatre premières années de l'Assurance des maladies professionnelles en Belgique. *Arch. Gewerbepath.*, 1932-33, 4: 400-13.—**Goetze.** Arbeitsunfallversicherung in Spanien. *Vertrauensrat*, 1935, 3: 177.—**Health insurance of women war workers.** *Lancet, Lond.*, 1942, 1: 338.—**Hoffman, F. L.** The relation of insurance companies to industrial diseases. *Boston M. & S. J.*, 1914, 171: 662-8 [Discussion] 672-4.—**Insurance of health of workers [Italy]** *J. Am. M. Ass.*, 1938, 111: 2029.—**Koelsch, F.** Berufskrankheiten und Sozialversicherung. In *Handb. Berufskrankh.*, Jena, 1937, 2: 1108-50.—**Die Erfahrungen mit der Versicherung der gewerblichen Berufskrankheiten im ersten Jahr.** *Münch. med. Wschr.*, 1927, 74: 496.—**Die Gleichstellung von Gewerbekrankheiten mit den Unfällen; die Erfahrungen in Bayern im ersten Berichtsjahr.** *Zbl. Gewerbehyg.*, 1927, n. F., 4: 170-4.—**Kossanovitch.** Assurances sociales et maladies professionnelles en Yougoslavie. *Arch. mal. profess.*, Par., 1938, 1: 29-33.—**Kühnl, O.** Die Berufskrankheiten nach dem neuen (gewerblichen) Sozialversicherungsgesetz. *Zschr. Gewerbehyg.*, 1935, 42: 115.—**Leoncini, F.** Considerazioni mediche sulla assicurazione obbligatoria contro le malattie professionali. *Gazz. internaz. med. chir.*, 1936, 46: 205; 242.—**Leprotti, F.** Per la liquidazione delle indennità di infortunio nelle zolfare di Sicilia. *Assist. sociale, Roma*, 1935, 9: 19-28.—**Lewy, R.** Medical aspects of compensation insurance. *Proc. Internat. Ass. Indust. Accid. Bds* (1917) 1919, 4: 117.—**Loriga, G.** L'assicurazione contro le malattie professionali degli operai. *Igiene mod.*, 1909, 2: 165-74.—**A proposito della assicurazione contro le malattie professionali.** *Difesa sociale*, 1934, 13: 132-6.—**Luxenburg, J.** Die Berufskrankheiten als Gegenstand der Sozialversicherung. *Opera Internat. Congr. Indust. Accid.* (1928) 1929, 5. Congr., 646-9.—**McCord, C. P., & Eyster, S.** The monetary cost of occupational disease liability insurance. *Indust. M.*, 1936, 5: 139-43.—**Mariotti, F.** L'assicurazione contro gli infortuni sul lavoro e le malattie professionali in Libia. *Assist. sociale, Roma*, 1939, 13: 850-2.—**Mauro, G.** La legge per l'assicurazione obbligatoria contro le malattie professionali e la sua applicazione pratica. *Rass. previd. sociale*, 1930, 17: 31-42.—**Mendel, K.** Verordnung über die Ausdehnung der Unfallversicherung auf gewerbliche Berufskrankheiten vom 12. Mai 1925. *Med. Klin.*, Berl., 1928, 24: 345.—**Neumann, Zur 3. Verordnung über Anwendung der Unfallversicherung auf Berufskrankheiten.** *Zbl. Haut. Geschlkr.*, 1937, 57: 161.—**Palmieri, V. M.** Per l'assicurazione obbligatoria contro le malattie professionali. *Riforma med.*, 1934, 50: 583.—**Valore dell'assicurazione contro le malattie professionali.** *Ibid.*, 1129.—**L'assicurazione contro le malattie professionali.** *Rass. internaz. clin. ter.*, 1938, 19: 191-9.—**Perrando, G. G.** Alcool e tabacco in relazione alle assicurazioni sociali. *Arch. antrop. crim.*, Tor., 1930, 50: Suppl., 1599-602.—**Prosperti, G.** Alcuni rilievi sulla legge sull'assicurazione obbligatoria contro le malattie professionali. *Ibid.*, 1602-17.—**Alcuni rilievi sul decreto che istituisce l'assicurazione obbligatoria contro le malattie professionali.** *Rass. previd. sociale*, 1930, 17: No. 11, 5-17.—**Raneletti, A.** L'assicurazione obbligatoria contro le malattie professionali. *Ibid.*, 1933, 20: No. 11, 14-24.—**Also Assist. sociale, Roma, 1934, 8: 1; 287.—**Reckzeh.** Welche Aufgaben erwachsen dem Arzt durch die Ausdehnung der Unfallversicherung auf gewerbliche Berufskrankheiten? *Zschr. ärztl. Fortbild.*, 1925, 22: 439-44.—**Riforma (La) delle leggi d'assicurazione obbligatoria contro gli infortuni sul lavoro.** *Rass. previd. sociale*, 1931, 18: No. 6, 1-45.—**Riforma (La) delle leggi di assicurazione contro gli infortuni del lavoro e contro le malattie professionali.** *Riv. crit. infortunist.*, 1935, 20: 75-88.—**Roepeke, O.** Die Einbeziehung der Berufskrankheiten in die Unfallversicherung und die Zusammenhangsfrage. *Zschr. Bahnärzte*, 1926, 21: 251-71.—**Schweighäuser, F.** Zur Frage der Mitwirkung des Staatlichen Gewerbeärztes im Feststellungsverfahren bei Berufskrank-**

heiten im Rahmen des §6 der Dritten Verordnung über Ausdehnung der Unfallversicherung auf Berufskrankheiten. Arbeitsschutz, 1939, 302.—**Solbrig**, Zur Einführung der Zwangsversicherung gegen Berufskrankheiten in Italien. Aertzl. Sachverst. Ztg, 1934, 40: 234-6.—**Taylor, H. H.** The institute of actuaries, on paid-up policies and surrender values under the industrial assurance acts. J. Inst. Actuaries, Lond., 1932, 63: 217-306.—**Teleky**, Verordnung über Gleichstellung von Berufskrankheiten mit den Unfällen. Klin. Wschr., 1925, 4: 1782-5.—**Togut, C. A.** One hundred million dollar premium, income for workmen's compensation insurance in 1941. Indust. M., 1941, 10: 182-4.—**Unterhinninghofen, W.** Die berufsgenossenschaftliche Versicherung. In Aertzl. Gutacht. (A. W. Fischer, & G. Molinoux) Lpz., 1939, 2: 992-1016.—**Witowski**, Unfallversicherung. In Soc. Kult. & Volkswohl. Kaiser Wilhelm II. Berl., 1913, 1: 193-206, 2 pl.—**Zollinger, F.** Die Stellung der Berufskrankheiten im Schweizerischen Unfallversicherungsgesetz. Arch. Gewerbepath., 1930, 1: 330-47.—**Zur Verth, M.** Rundschau: Unfallheilkunde und Versicherungsmedizin. Jahrbuch. aertzl. Fortbild., 1936, 27: H. 11, 16-25.

Sociology.

Owen, A. D. K. The social consequences of industrial transference. Rep. Brit. Ass. Advance. Sc., 1937, 107: 383.—**Sherman, H. C.** A glimpse of social economics in Porto Rico. Porto Rico J. Pub. Health, 1930-31, 6: 221-8.—**Smith, W. C.** The rural mind: a study in occupational attitude. Am. J. Sociol., 1927, 32: 771-86.—**Strücnemann, K.** Die Volks-Wende. Psychiat. neur. Wschr., 1929, 31: 339-42.

Statistics and labor supply.

Bodó, J. [A magyar kézművesiparosság életkor szerinti megoszlása] Magy. statist. szemle, 1940, 18: 179.—**Davis, W. C.** Teachers don overalls. Occupations, 1941-42, 20: 140.—**Dearborn, W. F., Rothney, J. W. M., & Shuttleworth, F. K.** Occupational code. Monogr. Soc. Res. Child Develop., 1938, 3: No. 1, 20-2.—**Hazlett, T. L., Chester, E. P., & Biram, J. H.** [Rehabilitation] Indust. M., 1943, 12: 27 (Abstr.).—**Jones, J. H.** The report of the Royal Commission on the distribution of the industrial population. J. R. Statist. Soc., Lond., 1940, 103: 323-43.—**Kavanaugh, N.** New terms for occupational roles. Occupations, 1941-42, 20: 257-9.—**Myers, H. B.** Dynamics of labor supply. J. Am. Statist. Ass., 1941, n. ser., 36: 175-84.—**Palmer, G. L.** The convertibility list of occupations and the problems of developing it. Ibid., 1939, 34: 693-708.—**Seifert, H. E.** The coding of occupations for machine tabulating purposes with reference principally to studies on occupational morbidity. J. Indust. Hyg., 1939, 21: 246-55.—**Woodbury, R. M.** Occupational changes in relation to the increasing age of the population in the United States. Congr. internat. popul. (1937) 1938, 1. Congr., 7: 108-17.

Supervision and management problems.

Adams, R. W., & Pond, A. W. How to supervise. Personnel J., 1942-43, 21: 223-37.—**Armstrong, T. O.** New methods in promotion and hiring. Ibid., 1935-36, 14: 280-3.—**Berni, I. J.** Maintaining a responsive office staff. Admin. Papers Internat. Management Congr., 1938, 7. Congr., 74-7.—**Burg, J. C.** Personnel work and public relations. Personnel J., 1937-38, 16: 179-84.—**Burnham, T. H., & Robinson, G. A.** English management training methods. Ibid., 1936-37, 15: 183-7.—**Estimating skilled labor requirements: a company report.** Ibid., 1940-41, 19: 300-6.—**Hardwick, G. A.** The control of office work. Admin. Papers Internat. Management Congr., 1938, 7. Congr., 69-73.—**Jackey, D. E.** Supervision; training. Personnel J., 1941-42, 20: 357-62.—**Keegstra, H.** Office management; recent developments in office technique. Admin. Papers Internat. Management Congr., 1938, 7. Congr., 101-5.—**Landis, J. M.** The administrative process. Personnel J., 1938-39, 17: 120-32.—**Link, H. C.** Psychological foundations of management. Proc. Internat. Management Congr., 1938, 7. Congr., 46-8.—**Moore, H.** Supervision; selection. Personnel J., 1941-42, 20: 353-6.—**Nienburg, B. M.** Industrial self-regulation. Ibid., 1936-37, 15: 214-9.—**Pritchard, G. C.** Service, production, and quality records. Ibid., 129-35.—**Seebauer, G.** Die soziale Seite der Rationalisierung. Proc. Internat. Management Congr., 1938, 7. Congr., 31-5.—**Shardle, C. L.** New defense personnel techniques. Occupations, 1940-41, 19: 403-8.—**Shepard, J. L.** Recognition on the job. Personnel J., 1937-38, 16: 111-9.—**Some recent developments in the psychology of personnel management in Great Britain.** Gen. Papers Internat. Management Congr., 1938, 7. Congr., 84-6.—**Stead, W. H.** Democracy and social controls in industry. Am. Sociol. Rev., 1942, 7: 176-84.—**Tead, O.** New duties in personnel work. Personnel J., 1937-38, 16: 36-45.—**Wolman, L.** Employee elections in industry. Ibid., 1935-36, 14: 243-6.—**Wulfke, W. H.** Social changes in relation to industrial management. J. Social Psychol., 1942, 15: 145-51.—**Wylie, H. L.** Adapting office procedures and facilities to administrative requirements. Admin. Papers Internat. Management Congr., 1938, 7. Congr., 82-6.

Training and education.

See also Industrial school.

Burford, F. W. The importance of being educated for any job that one undertakes. Tr. Am. Hosp. Ass., 1938, 40: 450-

5.—**Corsi professionali per le maestranze operaie nel gruppo Montecatini.** Gen. Papers Internat. Management Congr., 1938, 7. Congr., 63-8.—**Fornazione (La)** ed il perfezionamento dei lavoratori. Ibid., 61-1.—**Geiger, H. E., Remmers, H. H., & Greenly, R. J.** Apprentices' attitudes toward their training and the construction of a diagnostic scale. J. Appl. Psychol., 1938, 22: 32-41.—**Jochen, A. E.** Consider the trade journal. Occupations, 1942, 21: 214-8.—**Price, D. G.** Occupations included in the defense vocational training program. Ibid., 1941-42, 20: 184-90.—**Rauch, F. R.** Training for defense industry. Ibid., 191-3.—**Sawyer, W. A.** Medical aspects of vocational and industrial training. J. Am. M. Ass., 1942, 118: 641.—**Shepard, W. P.** The trained worker goes to work. Am. J. Pub. Health, 1939, 29: 1313-7.—**Smith, E. M.** Foreman training in WPA. Personnel J., 1936-37, 15: 176-82.—**Training for critical and essential occupations.** Occupations, 1942-43, 21: 67-74.—**Training (The)** within industry, program. In Hearings Interstate Migr. U. S. Congr. II. Repr., 1941, 76. Congr., 3. sess., pt 10, 3927-9.—**Training (The)** of workers for the war industries. Science, 1942, 96: 464.

Vocation guidance, and placement.

See also Psychotechnics; Vocation.

Andersberg, R., & Westerlund, G. Psychological testing of abilities and personnel selection; researches in the textile industry. Acta psychol., Hague, 1940, 5: 16-52.—**Appraising individual assets for service.** Occupations, 1942-43, 21: 81-91.—**Bahnsen, P.** [Intelligence tests and psychotechnic examinations with regard to the choice of occupation.] Høststidende, 1932, 75: [Kobenh. med. selsk. forh.] 40.—**Barros, O. de.** Orientação profissional dos aprendizes das escolas profissionais de São Paulo. Rev. neur. psiquiat. S. Paulo, 1942, 8: 25.—**Bingham, W. V.** Metodi non tenuti in valore nella psicologia dell'impiego. Riv. psicol., 1928, 24: 1-6.—**Blum, M. L.** A contribution to manual aptitude measurement in industry; the value of certain dexterity measures for the selection of workers in a watch factory. J. Appl. Psychol., 1940, 24: 381-416.—**Candee, B.** The selection of department store packers and wrappers with the aid of certain psychological tests. Ibid., 1941, 25: 76; 291.—**Brockmann-Röhne, K.** Stand und Organisation der Berufsberatung und Lehrstellenvermittlung. Klin. Wschr., 1926, 5: 517-20.—**Coburn, G. A.** The doctor's part in the personnel program. Indust. M., 1940, 9: 64-7.—**Cooper, C.** Aertztliche Berufsberatung. Zschr. Schulgesundh., 1927, 40: 209-15.—**Corris, R. C.** Testing before training. Personnel J., 1936-37, 15: 87-90.—**Diez Gasca, M.** Orientamento professionale e psico-tecnica. Difesa sociale, 1935, 154: 425-9.—**Drake, C. A.** Job tests. Personnel J., 1941-42, 20: 184-9.—**Dudyeha, G. J.** Dependability and clerical aptitude. J. Appl. Psychol., 1939, 23: 332-6.—**Dunford, R. E., Griffen, L. L., & Adams, S.** The personnel testing program of the Tennessee Valley Authority. Psychol. Bull., 1942, 39: 579.—**Efforts (Les)** français dans le domaine de la sélection rationnelle des travailleurs. Gen. Papers Internat. Management Congr., 1938, 7. Congr., 74-7.—**Freeman, G. L., Manson, G. E.** [et al.] The stress interview. J. Abnorm. Psychol., 1942, 37: 427-47.—**Fulk, M. E.** The measurement of physiological values in industry. J. Aviat. M., 1930, 1: 237-94. ch.—**Garner, J. R.** The proper study of mankind is man. Indust. M., 1936, 5: 221.—**Ghiselli, E. E.** Tests for the selection of inspector-packers. J. Appl. Psychol., 1942, 26: 468-76.—**Hanman, B.** The performance of adult males on the Minnesota Paper Form Board Test and the O'Rourke Mechanical Aptitude Test. Ibid., 809-11.—**Hauck, K.** Berufsberatung und Unfalldisposition. Zschr. Kinderschutz, 1926, 18: 163-5.—**Hay, E. N.** Tests in industry; their proper use. Personnel J., 1941-42, 20: 3-15.—**Hazlett, T. L.** Placement of the worker. In Sympos. Indust. Health (M. Coll. Virginia) Richmond, 1941, 92-6. Also Indust. M., 1941, 10: 535.—**Hoppe, F.** Schwierigkeiten ärztlicher Berufsberatung. Zschr. Schulgesundh., 1926, 39: 546-56.—**Intelligent** placing of war workers, women, older men and the handicapped; plans and practices outlined. Pittsburgh M. Bull., 1943, 32: 7-9.—**Jacob, A.** Psychotechnische Eignungsprüfungen für weibliche Angestellte. Umschau, 1928, 32: 1009-11.—**Kelley, D. J.** The job's yours. Hygeia, Chic., 1941, 19: 696-8.—**Lahy, J. M.** Les tests psychologiques et leurs applications industrielles. C. rend. Conf. internat. psychotechn. (1927) 1929, 4. Conf., 327-42, 2 pl.—**Lane, K.** Selection of employees for [personal] service industries. Hospitals, 1942, 16: 116.—**Lawshe, C. H., jr.** The Purdue Industrial Training Classification Test. J. Appl. Psychol., 1942, 26: 770-6.—**Lersmacher, G.** Strukturpsychologische Erörterungen über die arbeits- und berufspsychologischen Zusammenhänge. Zschr. angew. Psychol., 1931, 40: 239-76.—**Levitoff, N.** Essai d'application des tests collectifs pour la répartition des apprentis. C. rend. Conf. internat. psychotechn. (1927) 1929, 4. Conf., 469-80.—**Lorge, I., & Blau, R. D.** Broad occupational groupings by estimated abilities. Occupations, 1942-43, 21: 288-95.—**Mitrano, A. J.** The relationship between age and test performance of applicants to a technical-industrial high school. J. Appl. Psychol., 1942, 26: 482-6.—**Moskalenko, V.** [Consideration of the influence of the work upon the constitution in the choice of a working crew] J. eksp. biol. Moskva, 1930, 14: 27-32.—**Pachomichev, A. I.** [Is medical consultation on choice of profession possible?] Mosk. med. J., 1927, 7: 3, No. 73-7.—**Pallister, H.** Vocational preferences of school-leavers in a Scottish industrial area. Brit. J. Psychol., 1938-39, 29: 141-

66.—Paul, G. A. Study of the factors of employability; especially disabilities and infirmities of the elderly, and problems arising from employment of the sane. *Indust. M.*, 1940, 9: 79–82.—Pechhold, E. Psychotechnik und Arbeiterauslese im Grossbetrieb. C. rend. Conf. internat. psychotechn. (1934) 1935, 8. Conf., 163–75.—Pende, N. La biotologia umana quale fondamento della moderna fisiologia e medicina del lavoro. *Rass. med. lavoro, indust.*, 1930, 1: 50–9.—Ponzo, M. La psicotecnica nell'ordinamento del lavoro industriale. *Med. sociale, Nap.*, 1934, 24: No. 5, 3.—Randell, A. Volksschulleistung, Eignungsprüfung und handwerkliche Berufstüchtigkeit; Ergebnisse einer Untersuchung an Lehrlingen aus dem Würzburger Metallgewerbe. *Zschr. pädag. Psychol.*, 1941, 42: 80–3.—Rodrigo, M. La psicotecnica en la prevención de los accidentes del trabajo. *Med. trabajo*, 1930, 1: 403–17.—Rosenthal, D. Etablissement rationnel d'un test industriel à la base de la statistique. C. rend. Conf. internat. psychotechn. (1927) 1929, 4. Conf., 140–6.—Solomon, R. S. Do your tests pick good workers? *Personnel J.*, 1941–42, 20: 277–83.—Tiffin, J. Placement of the industrial employee. *J. Am. M. Ass.*, 1942, 118: 651.—Weisbach, W. Gewerbliche Berufskunde. *Deut. Zschr. gerichtl. Med.*, 1926–27, 9: 455–8.

— Wages.

HINRICHS, A. F. Wages in cotton-goods manufacturing. 154p. 23cm. Wash., 1938.
Balderson, C. C. Wage-setting research. *Personnel J.*, 1936–37, 15: 220–4.—Burk, S. L. H. Salary and wage administration. *Ibid.*, 105–15.—Mitchell, W. Industrial wage and hour surveys for management guidance. *J. Am. Statist. Ass.*, 1939, 34: 482–91.—Nicol, E. A. Selling employees on job-wage revision. *Personnel J.*, 1935–36, 14: 273–9.

— Welfare.

See also Age, Sociological aspects; Group, Social security.

CLAUDE, G. *Du village à la cité industrielle: évolution de la protection sanitaire et sociale, Joeuf (Meurthe-et-Moselle) 121p. 25cm. Nancy, 1936.

Brentnall, M. The industrial worker's family in war-time. *Nurs. Times, Lond.*, 1940, 36: 1144.—Buffa, A. L'assistenza ai lavoratori in Italia. *Assist. sociale, Roma*, 1935, 9: Suppl., 1–30.—Coombs, C. H. A factor analytical approach to job families. *Psychol. Bull.*, 1942, 39: 452 (Abstr.)—Duncan, M. E. Personnel practices of 2 electrical equipment companies with reference to employee training and welfare. *Abstr. Theses Univ. Pittsburgh*, 1932, 8: 295.—Gillet, E. Le service social dans l'industrie. *Rev. hyg. méd. social, Par.*, 1938, 17: 171; 212.—Gurevich, Z. A., & Petrov, P. T. [Deviations in the health of the worker's families] *Vrach. delo*, 1938, 20: 691; 989.—Henderson, L. J., & Mayo, E. The effects of social environment. *J. Indust. Hyg.*, 1936, 18: 401–16.—Kuiper, T., & Lennep, D. J. van. Social assistance to personnel as a permanent service; selection of staff and psychological organization. *Gen. Papers Internat. Management Congr.*, 1938, 7. Congr., 87–90.—Mason, A. T. Doubts new law will aid workers. *Personnel J.*, 1935–36, 14: 216–21.—Newman, G. The welfare of the industrial worker. In his *Building Nat. Health*, Lond., 1939, 360–89.—Oliver, T. Industrial welfare under existing conditions. *J. State M.*, Lond., 1933, 41: 497–504.—Seldite, F. Die Altersversorgung des Deutschen Handwerks. *Assist. sociale, Roma*, 1939, 13: 111–5.—Smith, G. Some aspects of industrial welfare work. *J. State M.*, Lond., 1927, 35: 228–39.—Spline, R. E. The worker's welfare; what one plant is doing about it. *Indust. M.*, 1942, 11: 68.—Welfare in factories [Great Britain] *J. Am. M. Ass.*, 1938, 111: 1391.—Welfare work in factories. *Lancet*, Lond., 1940, 2: 26.

— Working hours.

NEW YORK STATE. DEPARTMENT OF LABOR. Hours of work in relation to health and efficiency [4p.] 26½cm. [N. Y., 1941]

Bauer, T. Vorschläge zur Beschränkung notwendiger Arbeitszeitverlängerungen in durchgehend arbeitenden Betrieben. *Arbeitsschutz*, 1940, 248–51.—Bradford, E. A. M. The evils of long working hours. *Brit. M. J.*, 1942, 2: 266.—Hours of work. *Ind. M. Gaz.*, 1941, 76: 423–6.—Hours of work and efficiency. *Nature*, Lond., 1940, 146: 108–10.—Hours of work in wartime. *Brit. M. J.*, 1940, 2: 527.—Overtime and overtiring. *Lancet*, Lond., 1941, 1: 181.—Scotus, D. Working hours. *Ibid.*, 2: 652.—Vernon, H. M. The contrast between men and women in their reaction to long working hours. *Brit. J. Phys. M.*, 1942, 5: 166–8.—Wiberg, M. Work-time analysis. *Personnel J.*, 1940–41, 19: 216–30.—Wilkinson, G. R. Is the 8-hour day physiological? *South. M. & S.*, 1941, 103: 670.

— Young worker.

Baker, G. C. What should be the obligations and rights of a minor in regard to notice and demand? *Bull. U. S. Bur. Labor Statist.*, 1934, No. 602, 19–22.—Barros Barreto, J. de. Obligatoriedade dos exames médicos periódicos para os menores empregados nas indústrias. *Bol. Inst. protec. inf.*, Montev.,

1930–31, 4: 621–44.—Bashford, H. Adolescents in industry. *Practitioner*, Lond., 1942, 148: 359–63.—Hazardous occupations for young workers. *J. Am. M. Ass.*, 1942, 118: 1373.—Health (The) of adolescent workers [Belgium] *Ibid.*, 1938, 110: 2095.—Johnson, E. S., & Wallen, S. The hazardous occupations program; an administrative function of the Children's Bureau. *Child. Wash.*, 1941, 6: 21–3.—Ohnishi, S. Jugendfürsorge, insbesondere für die Arbeiterklassen in Japan. *Opera Internat. Congr. Indust. Accid.* (1928) 1929, 5. Congr., 669–71.—Petruchenko, A., Varfolomeiev, M., & Petrov, L. [Survey of work and life of industrial youth of Moskv] *Mosk. med. J.*, 1927, 7: No. 9, 92–6.—Thiele, D., & Meier, Die sozial-biologische Gefährdung der Jugendlichen. *Opera Internat. Congr. Indust. Accid.* (1928) 1929, 5. Congr., 649–53.

INDUSTRY.

See also Industrial hygiene; Industrial medicine; Industrial work; Industrial worker; also under names of industries and trades as Dairy industry; Home industry; Metal industry, etc.; also Occupation.

CALIFORNIA. DEPARTMENT OF INDUSTRIAL RELATIONS. Report. S. Franc., 1933—

OHIO DEPARTMENT OF HEALTH. Industrial survey of the State of Ohio. 291p. 23½cm. Columbus, 1940.

Arensberg, C. M. Industry and the community. *Am. J. Sociol.*, 1942–43, 48: 1–12.—Block, H. Subcontracting in German defense industries. *Social Res.*, 1942, 9: 4–21.—Bridge, J. C. The influence of industry on public health. *Proc. R. Soc. M.*, Lond., 1933, 26: 943–51.—Camail. Protection et développement de la main-d'oeuvre indigène chez l'adulte. *Rapp. Congr. san. pub.*, Marseille, 1922, 3. Congr., 389–406.—Considine, D. M. Modern instruments and controls. *Se. Month.*, 1942, 54: 455–60.—Farkasfalvy, S. A magyar gyáripár helyzete 1940-ben. *Magy. statiszt. szemle*, 1941, 19: 617–42.—Hambly, A. N. Some problems of Australian industry. *Australas. J. Pharm.*, 1942, 23: 157.—Human problems of progressive industry. *Nature*, Lond., 1937, 139: 85–7.—Industrial congestion and the public health; report of the Royal Commission. *Brit. M. J.*, 1940, 1: 404.—Legge, R. T. Occupations of antiquity. *Indust. M.*, 1933, 2: 145–51.—Location of industry on Merseyside. *Nature*, Lond., 1942, 150: 437.—Löwy, J. Medizinische Betrachtungen über die Rationalisierungsbestrebungen in der Industrie. *Med. Klin.*, Berl., 1928, 24: 568–71.—Ritchie, T. K. A mecanização da humanidade. *Impr. med.*, Rio, 1941, 17: No. 334, 157.—Shustov, A. [Button and comb making as a home industry] *Vrach. delo*, 1927, 10: 1333.—Turner, R. The cultural significance of the early English industrial town. *Univ. Iowa Stud. Social Sc.*, 1941, 11: No. 2, 32–77.

— Classification.

MÉXICO. DIRECCIÓN GENERAL DE ESTADÍSTICA. Nomenclatura nacional de ocupaciones. 148p. 8° Méx., 1933.

Fels, B., & Whelpton, P. K. An industrial classification for reports from individuals. *J. Am. Statist. Ass.*, 1940, 35: 74–85.—Kolesnikoff, V. S. Standard classification of industries in the United States. *Ibid.*, 65–73.—Moir, J. R. A classification of the colthic industries of England. *Nature*, Lond., 1941, 148: 220.—Palmer, G. L. Some considerations involved in appraising the adequacy of occupational statistics. *J. Am. Statist. Ass.*, 1941, n. ser., 36: 61–70.

— Economics.

Lück, P. *Die Gewerbesteuer als Finanz- und Wirtschaftsproblem in der kommunalen Finanzpolitik Preussens [Philos.] [4]p. 22½cm. Giesen, 1925.

Doblin, E. The German profit stop of 1941. *Social Res.*, 1942, 9: 371–8.—Hayes, F. A. Constructive purchasing policies. *Product. Papers Internat. Management Congr.*, 1938, 7. Congr., 17–22.—Relation between industrial homework and industrial depressions. In *Handb. Lab. Statist.* (Parker, F. E.) Wash., 1936, 197.—Slocumbe, C. S. Labor costs and administered prices. *Personnel J.*, 1936–37, 15: 241–6.

— Organization and planning.

GREENSFELDER, A. P. The business man and his regional planning. 11p. 23cm. Urbana, 1936.

HAWKES, A. W. The public and a program for industrial harmony. 18p. 22cm. [N. Y., 1939]

Angus, M. Reorganisation of industry to provide manpower. *Australas. J. Pharm.*, 1942, 23: 616.—Batt, W. L. Management's role in defense. *J. Franklin Inst.*, 1942, 233: 125–33.—

Biegeleisen, B. La psychotechnique et l'organisation scientifique du travail. C. rend. Conf. internat. psychotechn. (1927) 1929, 4. Conf., 289-96.—**Brulé, A.** Aspects humains et psychologiques de l'organisation. Proc. Internat. Management Congr., 1938, 7. Congr., 49-52.—**Caceres, A. M.** La psicoteoria en la racionalización del trabajo. Rev. psiquiat. Uruguay, 1940, 5: No. 26, 15-23.—**Chapple, E. D.** Organization problems in industry. Appl. Anthropol., 1941-42, 1: 2-9.—**Cowdrick, E. S.** Problems of industrial statesmen. Personnel J., 1936-37, 15: 119-28.—**Devinat, P.** L'Institut international d'organisation scientifique du travail. C. rend. Conf. internat. psychotechn. (1927) 1929, 4. Conf., 634-40.—**Holden, P. E., Fish, L. S., & Smith, H. L.** Top-management organization and control. Personnel J., 1941-42, 20: 243-53.—**Kendall, H. P.** The constituents and functions of the administrative group. Admin. Papers Internat. Management Congr., 1938, 7. Congr., 10-2.—**Lachmann, K.** More on the Herman Böhring works. Social Res., 1942, 9: 396-401.—**Lava, V. G.** The establishment of the home market as the basis for our industrialization program. Bull. Nat. Res. Council, Philippines, 1938, No. 17, 169.—**McCormick, C. P.** Junior executive boards. Personnel J., 1937-38, 16: 151-8.—**Moede, W.** Arbeitswirtschaft als psychotechnische Rationalisierung. C. rend. Conf. internat. psychotechn. (1927) 1929, 4. Conf., 267-72.—**Murray, H. G.** Health supervision of executives in industry. J. Am. M. Ass., 1928, 91: 627-30.—**Pomilio, U.** Razionalizzazione del lavoro nell'industria chimica mediante cicli continui. Product. Papers Internat. Management Congr., 1938, 7. Congr., 60.—**Ponzo, M., & Banisani, F.** Rapporti tra università ed organizzazioni industriali per l'organizzazione scientifica del lavoro; un esempio. Ibid., 27-9.—**Post-war industrial reconstruction.** Current Sc., Bangalore, 1941, 10: 279-81.—**Schwarz, S. M.** Heads of Russian factories; a sociological study. Social Res., 1942, 9: 315-33.—**Starch, D.** An analysis of the careers of 150 executives. Psychol. Bull., 1942, 39: 435 (Abstr.)—**Zimmer, E.** Das Zustandekommen des ersten Internationalen Kongresses für wissenschaftliche Organisation der Arbeit, seine Aufgaben, seine Bedeutung und sein Einfluss auf die Weiterentwicklung des Gedankens. C. rend. Conf. internat. psychotechn. (1934) 1935, 8. Conf., 831-3.

Production.

Alger, P. L. The importance of the statistical viewpoint in high production manufacturing. J. Am. Statist. Ass., 1941, n. ser., 36: 50-2.—**Fabricant, S.** Problems in the measurement of the physical volume of output, by industries. Ibid., 1938, 33: 564-70.—**Man-power and war production.** Nature, Lond., 1941, 148: 733-5.—**Mora Otero, J. A.** Conference of American Associations for Commerce and Production. Bull. Panamer. Union, 1941, 75: 497-503.—**Rathbone, A. D.** 4th. A pier in time; psychology joins with engineering skill to produce a hospital pier in record time of 43 days. Sc. American, 1942, 167: 14.—**Schulze-Gaevernitz, D.** Die Maschine in der Wirtschaftsordnung der Gegenwart. Umschau, 1930, 34: 221-4.—**Sociological aspects of production committees.** Nature, Lond., 1942, 150: 1-3.—**Vinogradov, M. I.** [Rhythm as one of the factors of high production in factories] Sborn. Vsesoiuz. sezd. fiziol., 1937, 6. Congr., 326-31.—**Wallis, W. D.** Der Einfluss der Geistesform auf Methode und Theorie. Zschr. Völkerpsychol., 1930, 6: 10-21.

Research.

AMERICAN REFRACTORIES INSTITUTE. Refractories investigations in Mellon Institute on the American Refractories Institute's multiple industrial fellowship. 20p. 21½cm. Pittsb., 1940.

Bernal, J. D. Science and industry. In Frustr. Science (Hall, D., et al.) Lond., 1935, 42-78.—**Buckley, O. E.** Research laboratories in industries. Science, 1942, 96: 100-2.—**Hamor, W. A.** Industrial research. Britan. Bk 1942, 347-50.—**Industrial growth; new products and processes that reflect applications of research to industrial production.** Sc. American, 1942, 166: 92-6.—**Kettering, C. F.** Address. J. Am. Pharm. Ass., 1941, 30: 520-8.—**Mellon Institute of Industrial Research.** Nature, Lond., 1942, 150: 29.—**Midgley, T., jr.** Science and industry. Ohio J. Sc., 1942, 42: 161-4.—**Organizzazione (L') Servizio di documentazione dell'ENIOS.** Ente nazionale italiano per l'organizzazione scientifica del lavoro. Admin. Papers Internat. Management Congr., 1938, 7. Congr., 115-9.—**Present status of research work under the auspices of the War Production Board.** Science, 1942, 96: 104.—**Ratcliff, J. D.** Science prophet. In his Lives & Dollars, N. Y., 1941, 131-43.—**Scientific and industrial research in New Zealand.** Nature, Lond., 1941, 148: 667.—**Simon, L. E.** On the initiation of statistical methods for quality control in industry. J. Am. Statist. Ass., 1941, n. ser., 36: 53-60.—**Tata Hall.** Current Sc., Bangalore, 1941, 10: 159.—**Urey, H. C.** The position of science in modern industry. In Science & Man (Anshen, R. N.) N. Y., 1942, 163-71.—**Wells, H. L.** Industry; a catalyst to science. Sigma Xi Q., 1935, 23: 58-64.—**West, C. J., & Hull, C.** Industrial research laboratories of the United States including consulting research laboratories. Bull. U. S. Nat. Res. Council., 1931, No. 81, 5-267; 1933, No. 91, 1-223.

Resources.

Block, H. German methods of allocating raw materials. Social Res., 1942, 9: 356-70.—**Materials.** Rev. Sc. Instrum., 1942, 13: 306.—**Randolph, E. E.** Important North Carolina raw materials and manufacturing facilities available for war use. J. Elisha Mitchell Sc. Soc., 1942, 58: 126.—**War Resources Board.** Chem. Warf. Bull., 1939, 25: 159-61.

in wartime.

[**BARUCH, B. M.**] Taking the profits out of war; a program for industrial mobilization. 150p. 8° [N. Y.? 1936?]

Anderson, N., & Rogg, N. H. Impact of the war on labor and industry. Am. J. Sociol., 1942-43, 48: 361-8.—**Maldonado, A.** Utilización de ciertas industrias del país, en caso de movilización. Rev. san. mil., Lima, 1939, 12: 72-90.—**Sloan, A. P., jr.** Wartime production. J. Am. Insur., 1941, 18: No. 12, 17.—**Slocumbe, C. S.** How to increase war production. Personnel J., 1941-42, 20: 194-204.—**War stimulus to manufacturers.** Ind. M. Gaz., 1941, 76: 678.—**Wilson, H. J.** Delays in war production. Personnel J., 1942-43, 21: 273-6.

INEBRIETY.

See Alcoholism.

INEICHEN, Josef. *Hundertundachtzig Kaiserschnitte an der Krankenanstalt Aarau in den Jahren 1921-25 [Zürich] 35p. 8° Luzern, Schill & cie, 1926.

INERTIA.

For psychological inertia see Sluggishness; for organic inertia see under the names of organs.

INFANCIA y juventud. B. Air., v.2, 1937-

INFANCY.

See Infant.

INFANT.

See also Child; Childhood; Infant mortality; Infant nutrition; Infant welfare; Maternity; Newborn; Prematurity, etc.

METROPOLITAN LIFE INSURANCE COMPANY. The baby. 32p. 19½cm. N. Y. [1941?]

Bertrand, F. L. L'enfant de 2 ans. C. rend. Congr. internat. enf. (1931) 1933, 9. Congr., 260-2.—**Blonsky, F. P.** Früh- und Spätjahrkinder. Jahrb. Kinderh., 1929, 3. F., 74: 115-20.—**Bolt, R. A.** The infant before, during, and after birth. Am. J. Pub. Health, 1931, 21: 843-50.—**Coolidge, E. L.** Some facts and fancies about babies. Hygeia, Chic., 1936, 14: 208-11.—**Irwin, O. C.** Infancy: a frontier of science. Ibid., 1935, 13: 503; 570.—**McCann, J. D.** The baby. Proc. Indiana Elect. M. Ass. (1905-6) 1906, 41: 73-6.

Anatomy and biometry.

See also subheadings; also Growth (human)

ALÉONARD, J. J. L. *Etude statistique sur les gros enfants; observations de la Clinique d'accouchements de Bordeaux 1924-33. 61p. 25cm. Bord., 1934.

BROCHIER, J. *Contribution à l'étude des enfants pesant moins de 1,500 gr. à la naissance; leur vitalité; leur avenir. 79p. 25½cm. Lyon, 1939.

Albano, G. Der Verdauungskanal des Neugeborenen (anatomische und physiologische Röntgenstudie) Mschr. Kinderh., 1929-30, 45: 306-17.—**Bustamante Espinoza, W.** Consideraciones sobre mediciones pondoestaturales del recién nacido y lactantes en Santiago. Rev. chilena pediat., 1940, 11: 784-6.—**Estudio pondo-estatural del recién nacido y del lactante.** Ibid., 803-10.—**Gunn, W. R. L.** An abnormally large infant. Canad. M. Ass. J., 1928, 18: 711.—**Marchante, R. F.** Relación entre el peso y la estatura de los niños. Puerto Rico Health Bull., 1942, 6: 19-22.—**Mottola, N.** L'influenza della giacitura sulla forma del cranio nei lattanti. Morgagni, 1935, 77: 101.—**Pretto, J. C., & Huamán Oyague, N.** Desarrollo antropométrico del lactante en Lima. Crón. méd., Lima, 1942, 59: 117-9.—**Robin, P.** A propos de la morphologie infantile. J. méd. Paris, 1931, 51: 11.—**Also M6d, inf., Par., 1931, 38: 68-75.**—**Saito, I.** Examination of infants in Mukden in 1936. J. Orient. M., Dairen, 1937, 27: 116.—**Schmitt, R.** Das Nervensystem und der Situs viscerum eines vier Wochen alten Säuglings. Anat. Anz., 1927, 64: 84-7.—**Suzuki, T.** Wie muss ein japanischer Normalausgling beschaffen sein? Orient. J. Dis. Inf., Kyoto, 1930, 7: 31-5.

— Atrophy.

See under Infant nutrition.

— Behavior.

See Infant, Psychology; also Behavior, infant.

— Biochemistry.

See also Infant, Metabolism; also Infant nutrition.

Fukuyama, M. Die Katalasezahl des Blutes beim gesunden und kranken Säugling. *Mscr. Kinderh.*, 1928, 40: 441-3.—**Guest, G.** Variations in the diastase of the blood of infants. *Boston M. & S. J.*, 1927, 196: 397.—**Móritz, D., & Kerpel-Fronius, O.** [Histochemical investigations on infants] *Orvosképzés*, 1932, 22: Oct. Különl., 77-9.—**Surányi, G., & Sonnauer, P.** [Viscosimetric studies on infants] *Ibid.*, 80-6.—**Tur, A. F.** Beobachtungen über die fermentativen Eigenschaften des Blutes und des Magensaftes bei Kindern im 1. Lebensjahre. *Zschr. Kinderh.*, 1927-28, 45: 468-86.

— Biology and physiology.

Auricchio, L. Peculiarità anatomico-fisiologiche del lattante. *Gior. ital. mal. esot.*, 1939, 12: 66-73.—**Bühler, C., & Spielmann, L.** Die Entwicklung der Körperbeherrschung beim Kinde im ersten Lebensjahr. *Zschr. Psychol. Physiol. Sinnesorg.*, 1. Abt., 1928, 107: 3-29.—**Burghard, E., & Wunnerlich, A.** Das Elektrokardiogramm des Säuglings, des Neugeborenen und des Frühgeborenen. *Zschr. Kinderh.*, 1927, 45: 56-67.—**Egidi, E.** Fascia a nastro e termoregolazione nel lattante. *Pediat. med. prat.*, Tor., 1938, 13: 497-505.—**Hecker, R.** Der Säugling in Abhängigkeit von der Jahreszeit. *Bl. Gesundheitsf.*, 1927-28, 5: 132-48, ch.—**Koch, L. A.** Anatomy and physiology [infants] *Pract. Libr. M. & S.* (Appleton) 1935, 7: 3-20.—**Lesage, A.** Acerca de la influencia de la temperatura estival sobre el lactante (fièvre du calor) *Progr. clin.*, Madr. 1926, 34: 39-47.—**Nizzoli, C.** Quaderni di fisiologia del lattante. *Prat. pediat.*, Milano, 1932, 10: 397; 1933, 11: 65.—**Portmann, A.** Die biologische Bedeutung des ersten Lebensjahres beim Menschen. *Schweiz. med. Wschr.*, 1941, 71: 921-4.—**Richards, T. W.** The relationship between bodily and gastric activity of newborn infants; simultaneous variations in the bodily and gastric activity of newborn infants under long-continued light stimulation. *Human Biol.*, 1936, 8: 381-6.—**Segura, A. S.** Registro e interpretación de la actividad cardiovascular en el lactante normal. *Rev. argent. card.*, 1936-37, 3: 3; 85; 167.

— Care and nursing.

See also Infant nutrition; also Child, Care.

ZENKER, I. Pflege des gesunden Säuglings. p.271-322. 25½cm. Lpz., 1939.

Abt, I. A. The management of the infant during the first 3 months of life. *Med. Rec.*, Houston, 1934, 28: 507-14. Also *J. Indiana M. Ass.*, 1935, 28: 573-9. Also *Radiol. Rev.*, 1936, 58: 123-33.—**Amarante, J.** Cuidados com o lactante normal. *Fol. med.*, Rio, 1927, 8: 133-8.—**Borovsky, M. P.** Common errors in the care of infants. *Illinois M. J.*, 1926, 49: 491-5.—**Bradford, O. F.** The care of infants. *J. Missouri M. Ass.*, 1938, 35: 224-6.—**Brossard, L. C.** A study of the time spent in the care of babies. *J. Home Econom.*, 1926, 18: 123-7.—**Cacace, E.** Nipologia y educación del lactante. *Arch. pediat. Uruguay*, 1938, 9: 5-13.—**Care of nurslings and infants.** *J. Am. M. Ass.*, 1937, 109: 804.—**Catecismo higiénico del niño.** *Salud y san.*, Bogotá, 1940-41, 10: No. 108, 22-4.—**Catel, W.** Entwicklung, Ernährung und Pflege des gesunden Klein- und Schulkindes. In his *Pflege gesund. & krank. Kind.*, Lpz., 1939, 323-31.—**Chittenden, G. E.** Como falar às crianças. *Impr. med.*, Rio, 1941, 17: No. 333, 143-5.—**Coblentz, C. C.** First babies. *Trained Nurse*, 1937, 99: 601-5.—**Coolidge, E. L.** The general care of the infant's skin. *Med. Sentinel*, 1930, 38: 352-5.—**Couture, E.** Que faites-vous de l'enfant? *Nat. Health Rev.*, Ottawa, 1941, 9: 73-80.—**Dangerous lullabies.** *Ibid.*, 1938, 6: 103.—**Deruisseau, L. G.** Infant hygiene in the older medical literature. *Ciba Symposia*, 1940-41, 2: 530-5.—**Dobszay, L.** Hauptpflege der Säuglinge im Hängebett. *Kinderärztl. Prax.*, 1933, 4: 519-21.—**Dombrowskaia, U. F.** [Review of popular literature on nursing and care of infants] *Pediatría*, Moskva, 1942, No. 3, 70-3.—**Forest, M.** A propos de la suspension des nourrissons. *Arch. méd. enf.*, 1934, 37: 669.—**Frazier, J. E.** Babies and bottles. *S. Mary Hosp. Gaz.*, Lond., 1926, 32: 5.—**Gómez Malaret, S.** El lactante sano. *Bol. Min. san.*, Caracas, 1939, 4: No. 5, 53-61. Also *Rev. san.*, Caracas, 1941, 6: 14-23.—**Hagmann, E. A.** Care of the healthy baby. *J. Lancet*, 1939, 59: 445-8.—**Harper, C. A.** Neglected babies. *Florida Health Notes*, 1942, 34: 144.—**Hiscock, I. V.** Infant hygiene. *Pub. Health Bull.*, Wash., 1923, 136: 114-30.—**Ide, M.** Nos pauvres bébés. *Rev. méd. Louvain*, 1928, 330-3.—**Knox, J. H.** Infant care. *Canad. M. Ass. J.*, 1933, 29: 149-55.—**Koch, L. A.** Infant hygiene. *Pract. Libr. M. & S.* (Appleton) 1935, 7: 21-34.—**Labouré, R.** Pourquoi nous devons surveiller l'hygiène et l'alimentation de nos bébés. *Ann. méd. haiti.*, 1937, 14: 11-9.—**Lefebvre, M. D.** The un-

born child. *Linaere Q.*, 1939, 7: 15.—**LeMessurier, F. N.** Some problems of the first year of life and their management. *Med. J. Australia*, 1940, 1: 336-41.—**Lesage, A.** L'hygiène des nourrissons en été. *Mouvement hyg.*, Brux., 1911, 27: 291-3.—**McCarley, T. H.** Keep the well baby well. *J. Oklahoma M. Ass.*, 1929, 22: 206-8.—**McFarland, R. E.** Diet and infant management the first year; practical comments concerning the care of the infant with the danger signals of this age period. *J. Osteopathy*, 1941, 48: No. 9, 11-4.—**MacMurchy, H.** Babies at war. *Health*, Toronto, 1941, 9: No. 3, 9.—**Marriott, McK.** Practical points in the feeding and care of infants. *J. Missouri M. Ass.*, 1928, 25: 411-5.—**Murray, M. F., & Lyman, R. I.** A study of infant care in a rural community. *N. York State J. M.*, 1936, 36: 165-72.—**Neff, F. C.** Management of the hypertonic period of early infancy. *J. Oklahoma M. Ass.*, 1938, 31: 227-31.—**New techniques of infant care.** *Surg. Equip.*, 1938, 5: No. 6, 16-7.—**Nobécourt, P.** [Care of infants] *Ucheb. detsk. bole.*, 1928, 4: 793-832.—**Ritter, J. A.** The care of the nursing baby during the summer time. *Week. Roster*, Phila., 1933, 29: 12; 1934, 29: 1327.—**Schultz, F. W.** The effect of postnatal care on the infant. *Tr. Am. Child Health Ass.*, 1929, 6: 106-12.—**Seale, I. B.** Some problems in the care and feeding of the infant. *Mississippi Doctor*, 1935-36, 13: No. 12, 47-9.—**Sellew, G.** Basic care of infants; comments and suggestions in pediatric nursing. *Am. J. Nurs.*, 1926, 26: 193-6.—**Severin, E.** [On bundling of infants] *Nord. med.*, 1940, 8: 2062.—**Skinner, G. A.** Strong babies wanted. *Health*, Mount. View, 1942, 9: No. 12, 13.—**Smith, R. M.** Hygiene of infants and children. *J. Michigan M. Soc.*, 1940, 39: 391-6.—**Some points in caring for infants.** *Jamaica Pub. Health*, 1934, 9: 125-7.—**Stadtmüller, E. S.** Summer care of babies. *Bull. California Dep. Pub. Health*, 1935, 14: 97.—**Stone, J. B.** Care and feeding of the newborn and the premature from the pediatric viewpoint. *Virginia M. Month.*, 1939, 66: 158-62.—**Thompson, T. M.** A baby's nursing difficulties (a case study) *Pedag. Semin.*, Worcester, 1926, 33: 709-16.—**Ugarte, F. L.** ficha sanitaria del lactante. *Sem. méd.*, B. Air., 1936, 43: 547-50.—**Wilkinson, S. J.** Stumbling blocks in infant care. *Illinois M. J.*, 1925, 68: 182-6.

— Care and nursing: Bathing and toilet.

Baxter, W. C., & De Puy, C. T. Infant's folding bath stand and dressing table. *U. S. Patent Off.*, 1941, No. 2,249,107; No. 2,253,995.—**Baxter, W. C., & Stonebraker, H. E.** Infant's folding combination bath stand and dressing table. *Ibid.*, 1942, No. 2,296,592.—**Bayer, W.** Puder oder Fett in der Hautpflege des jungen Säuglings? *Deut. med. Wschr.*, 1930, 56: 1733.—**Chapman, M. M.** Supporting device for infants. *U. S. Patent Off.*, 1942, No. 2,285,900.—**Coolidge, E. L.** Dusting powder and the infant skin. *Arch. Pediat.*, N. Y., 1926, 43: 602-9.—**Friedjung, J. K.** Grundsätzliches zum Säuglingsbad. *Med. Klin.*, Berl., 1934, 30: 1394.—**Overholser, R. D.** Infant's commode. *U. S. Patent Off.*, 1943, No. 2,307,897.

— Care and nursing: Clothing.

See also Diaper.

Alsop, B. S. Baby's garment. *U. S. Patent Off.*, 1934, No. 1,977,604.—**Cohen, S. A.** Infants' clothing. *Arch. Pediat.*, N. Y., 1928, 45: 326-33.—**Cohn, L.** Infant's diaper substitute. *U. S. Patent Off.*, 1942, No. 2,277,043.—**Cooper, V. H.** Tampax diaper. *Practitioner*, Lond., 1938, 141: 795.—**Faber, H. K., & Hadden, F.** Properties of some fabrics used for infants' underwear. *Arch. Pediat.*, N. Y., 1926, 43: 283-91.—**Galt, C. M.** Possible hazard in use of oiled silk bib. *J. Am. M. Ass.*, 1941, 117: 1911.—**Hazen, J. D.** Baby diaper. *U. S. Patent Off.*, 1942, No. 2,301,277.—**Kraft, M.** Infant's pants. *Ibid.*, No. 2,292,030.—**MacDonald, D.** The binder in infancy. *Lancet*, Lond., 1943, 1: 31.—**McGraw, W. F.** Baby sanitary diaper. *U. S. Patent Off.*, 1942, No. 2,290,110.—**Potwin, M. A.** Baby pants and pad. *Ibid.*, 1941, No. 2,241,959.—**Ruhräh, J.** The infant binder. *Am. J. Dis. Child.*, 1933, 45: 145.—**Steiner, M. B.** Baby panties. *U. S. Patent Off.*, 1941, No. 2,252,992.

— Care and nursing: Instruments and articles.

Cibrario, A. Ricerche intorno all'applicazione della psiroganoma ad oggetti per uso di bambini. *Ingegneria igien.*, Tor., 1902, 3: 177.—**Cox, E. F.** Hand restraining device. *U. S. Patent Off.*, 1936, No. 2,043,153.—**Ellis, M. S.** Face guard for infants. *Ibid.*, 1942, No. 2,276,612.—**Klohs, L. M.** Infant's thumb or finger guard. *Ibid.*, 1935, No. 1,990,384.—**Landman, F.** Das Trockenbettchen. *Aerztl. Rdsch.*, 1927, 37: 37.—**Lehmann, F., & Lehmann, E.** Eine neue Torfmullbettung. *Med. Klin.*, Berl., 1930, 26: 1900.—**Marner, J. J.** Hammock for nursing babies. *Brit. M. J.*, 1939, 2: 401.—**Moller, B.** Hand guard. *U. S. Patent Off.*, 1934, No. 1,984,613.—**Ochsenius, K.** Sterile Wattestäbchen für Säuglinge. *Münch. med. Wschr.*, 1928, 75: 1038.—**Prespore, M.** Restraining device for infants. *U. S. Patent Off.*, 1942, No. 2,289,726.—**Ruhräh, J.** The infant's chair. *Am. J. Dis. Child.*, 1934, 47: 1339.—**Sacks, H. M.** Combination teething ring and pacifier. *U. S. Patent Off.*, 1937, No. 2,085,704.—**Sepke.** Ein Säuglings-trockenbett. *Med. Klin.*, Berl., 1930, 26: 1195.—**Slip-cover (A) crib.** *Am. J. Nurs.*, 1939, 39: 635.—**Wallisch, W.** Das Sauerproblem. *Zschr. Stomat.*, 1935, 33: 740.

— Care and nursing: Manuals.

BATTLE CREEK UNIVERSITY OF HEALTH. Hygiene of infancy. v. p. 4°. Battle Creek, 1908.

BELL, E. S., & FARAGOH, E. The new baby. [30]pl. 15 x 19½cm. Phila. [1938]

BROWN, D. R. The baby. 200p. 8°. Bost., 1908.

BUNDESEN, H. N. Our babies. 68p. 8°. Chic., 1925.

— The same. Our babies, their feeding, care, and training [22. ed.] 96p. 25½cm. [Chic., 1941]

— The baby and you. p.117-195. 8°. Chic., 1926.

Du Bois, C. C. Bringing up the baby. 102p. 16°. [Warsaw, Ind., 1925]

DUNCAN, T. C. Feeding and management of infants and children, and the home treatment of their diseases. 426p. 8°. Chic., 1880.

DUNHAM, J. B. The baby: how to keep it well. 56p. 8°. Chic., 1885.

EGHIAN, S. G. Mother's nursery guide for the care of the baby in health and in sickness. 263p. 8°. N. Y., 1907.

ELDRID, M. M. Your baby and mine. 219p. 8°. N. Y., 1931.

EXCHAQUET, L. Le nourrisson. 2. éd. 270p. 25cm. Lausanne, 1937.

FISCHER, L. Health-care of the baby; a handbook for mothers and nurses. 144p. 12°. N. Y., 1906. Also 17. ed. 248p. 1928. Also 18. ed. 248p. 1930.

GEORGIA, U. S. A. DEPARTMENT OF PUBLIC HEALTH. Georgia baby book. 6. ed. 96p. 8°. Atlanta, 1935.

GIBBENS, J. The care of young babies. 169p. 19cm. Lond., 1940.

HALPERN, L. J. How to raise a healthy baby. 388p. 21cm. N. Y., 1940.

HART, L. C. Our baby's care and feeding. 130p. 25½cm. [Lansing, 1939]

HARTMANN, J. Modern baby; or The art of nursing and raising children. 90p. 12°. N. Y., 1881.

HEWER [A. W.] Our baby. 21. ed. 177p. 19cm. Bristol, 1936.

— The baby of today. 7. ed. 42p. 18½cm. Brist. [1939]

HIRSHBERG, L. K. What you ought to know about the baby; the science of rearing children. 147p. 12°. N. Y. [1926]

HOLMES, W. First baby. 177p. 19cm. Lond. [1939]

HOLT, L. E., & YALE, L. M. [et al.] Babyhood's health library. 46p. 16°. N. Y., 1898.

ILLINOIS, U. S. A. DEPARTMENT OF PUBLIC HEALTH. Our babies; a booklet on infant care dedicated to the mothers of Illinois. 58p. 8°. Spring, [1935]

JOHNSON, L. D. Counsel to parents, and how to save the baby. 224p. 12°. 1889.

KEITER, W. E. Our new baby. 81p. 19½cm. Kinston, N. C., 1939.

KERR, Le. G. The baby; its care and development. 150p. 8°. Brooklyn, 1908.

KING, F. T. Feeding and care of baby. 162p. 8°. Lond., 1918.

KLEYNMANN, S. Die erfahrene Säuglingschwester. 115p. 18cm. Lausanne [1938]

KÖHLER, O. Der Säugling; seine Entwicklung, Pflege und Ernährung. 8. Aufl. 104p. 8°. Lpz., 1935.

KUGELMASS, I. N. The story of infancy; a modern handbook of the baby's development,

feeding, care, training, difficulties, and disease-prevention. 327p. 8°. N. Y., [1930]

LAW, M. E. Baby care. v. p. 19½cm. [Phila., 1938]

LIBBY, V. K. How to care for the baby. 109p. 8°. Wash., 1933.

McVEAGH, T. C. The baby's first year. 175p. 8°. Honolulu, 1930.

MORO-DRASCH, I. Babis Tagebuch. 7. Aufl. 167p. 24cm. Graz [1938]

NEUMAN, A. R. All about baby. 143p. 12°. Lond. [1919]

NIEMES, P. Der gesunde Säugling; seine Entwicklung, Ernährung, Pflege. 2. Aufl. 96p. 16°. Lpz., 1937.

PAISSEAU, G. Hygiène et alimentation du nourrisson. 87p. 12°. Par., 1934.

PEARSON, W. J., & WATKINS, A. G. The infant; a handbook of management. 2. ed. 56p. 18½cm. Lond., 1939.

PEASE, M. C. Feeding and caring for the baby. 240p. 16°. N. Y. [1926]

PRITCHARD, E. The infant; a handbook of modern treatment. 744p. 8°. Lond. [1938]

RICHARDS, N. O., & BAKER, A. D. Healthy babies, their feeding and management. 96p. 8°. Lond. [1935]

SADLER, W. S., & SADLER, L. K. Growing out of babyhood. 350p. 21cm. N. Y., 1940.

STEEN, R. E. Infants in health and sickness. 127p. 8°. Lond., 1937.

TENNEY, H. K. Let's talk about your baby. 2. rev. ed. 115p. 19cm. Minncap. [1940]

UNITED STATES. CHILDREN'S BUREAU. Infant care. 3. ed. 107p. 23cm. Wash., 1938.

VAERTING, M. Mutterpflichten gegen die Angebornen; eine Mahnung zur Bevölkerungs-erneuerung nach dem Kriege. 76p. 8°. Berl., 1915.

WALKER, J. First baby; his trials and the trials of his parents. 203p. 12°. N. Y., 1881.

WEST, C. J. Hints for baby's care. 32p. 8°. S. Paul, Minn. [1933]

WHEELER, M. The baby; his care and training. 188p. 16°. N. Y., 1901.

ZABRISKIE, L. Mother and baby care in pictures. 196p. 8°. Phila. [1936]

— Constitution.

Bakwin, H., & Bakwin, R. M. Types of body build in infants. Am. J. Dis. Child., 1929, 37: 461-72.—Bloise, N. L. Sobre constitución y herencia en el lactante. Arch. Hosp. Pereira Rossell, 1938, 1: 119-38. Also *Pediat. América*, Méx., 1943, 1: 12-28.—Cuccodoro, C. C. Indici costituzionalistici infantili: la funzione informativa costituzionalistica dei consultori O. N. M. I. *Minerva med.*, Tor., 1938, 29: pt 1, 620-2.—Krumdieck, C. F. Fundamentos psico-somáticos de la individualidad del lactante. *Crón. méd.*, Lima, 1935, 52: 218-24.—Minkin, S. L. [Data on clinical anatomy in relation to the various types of children in early infancy] *Soviet. pediat.*, 1935, No. 8, 1-31.—Rehfeld, G. Die Verteilung der Sigaudschen Habitus-typen unter den Säuglingen in Ostpreussen. *Arch. Kinderh.*, 1932, 97: 11.—Salge, B. Die Bedeutung der Entwicklungsgeschwindigkeit für die Konstitution des Säuglings. *Zschr. Kinderh.*, 1923, 35: 59-66.—Velasco Blanco, L. Los estados constitucionales en la primera infancia. *Arch. amer. med.*, B. Air., 1934, 10: 103-11.

— delicate and weak.

Brown, G. Van A. The developmentally unfit infant. Am. J. Obst., 1927, 13: 541-50.—Brown, J. E., jr. Care of the weak and premature infant. *Proe. Postcolleg. Clin. Assemb. Coll. M. Ohio Univ.*, 1937, 4: 22.—Clopat, A. [The value of vitamins for weak infants] *Fin. läk. säll. hand.*, 1927, 69: 225-38.—Eigelbach, W. Infantile defectiveness. *Med. Clin. N. America*, 1927, 11: 381-98.—Oppenheim, M. Ueber Stovarsoldarreichung an nichtluetische schlecht gedeihende Säuglinge. *Wien. klin. Wschr.*, 1926, 39: 78.—Sokolow, A. S. Constitutional inferiority in infancy. Am. J. Dis. Child., 1935, 49: 1399-410.—Tezner, O. Ueber die ansatzfördernde Wirkung des Stovarsols bei schlecht gedeihenden, nicht luetischen

Säuglingen. Mschr. Rinderh., 1926, 34: 6-16. — Ueber Stovarsolverabreichung an schlecht gedeihende nicht luetische Säuglinge. Wien. klin. Wschr., 1926, 39: 134.

Disease.

See also under specific names of diseases.

BIRK, W. Säuglingskrankheiten. 8. Aufl. 220p. 8°. Berl., 1937.

CATHALA, J. Pathologie du nourrisson. 194p. 8°. Par., 1931.

FINKELSTEIN, H. Säuglingskrankheiten. 4. Aufl. 899p. 25cm. Amst. [1938]

FREW, R. S. Disease in childhood, a clinical study; the first year. 669p. 8°. Lond., 1936.

Catel, W. Krankheiten des Säuglings und des älteren Kindes In his Pflege gesund. & krank. Kind. Lpz., 1939, 385-414.—Gerstley, J. R. Our baby patient. Med. Clin. N. America, 1927, 11: 269-78.—Rissmann, P. Der Säugling gehört den Geburtshelfern. Zbl. Gyn., 1929, 53: 2462.—Schachter, La période pré-clinique des maladies du nourrisson. J. méd.Paris, 1939, 59: 307. Also Méd. inf., Par., 1939, 46: 83-90.—Silva Alvárez, A. Más sobre enfermedades de la infancia. Bol. educ. san., Caracas, 1942, 5: No. 87, 10.—Williams, P. E. A few common problems in infancy. Canad. M. Ass. J., 1941, 44: 275-9.

Disease: Causes and pathology.

IMBERT, A. *Influence des variations météorologiques sur la santé du nourrisson. 92p. 8°. Par., 1930.

KNOCHE, B. [F. M.] *Ueber den Grundstoffwechsel bei Säuglingen mit Rachitis und Tetanie [Münster] 11p. 22cm. Düsseldorf, 1935.

Bakwin, H., & Bakwin, R. M. Body build in infants; body build in disease. J. Clin. Invest., 1931, 10: 395-403.—Drucek, C. J. Diaper dermatitis. Urol. Cut. Rev., 1941, 45: 464.—Goldberg, M. Summer diseases of infants. J. M. Ass. S. Africa, 1929, 3: 549-53.—Grimes, E. L. Postmortems on infants at Cambridge Hospital 1934-38. Med. J. Tufts Coll. School M., 1938-39, 5: No. 2, 6-9.—Guajardo, E. Infantile physio-pathology. South. M. J., 1935, 28: 467.—Haler, D. H. The use of pathology in infant diseases. Med. Press & Circ., Lond., 1934, 189: 444-7.—Héritier, P. Accidents graves dus à l'excès de chaleur chez un nourrisson de 4½ mois. Arch. méd. enf., 1930, 33: 29.—Higier, H. [Hereditary syphilis, alcoholism and neuro-psychopathy of infants] Polska gaz. lek., 1926, 5: 810-3.—Hild, J. The hypertonic infant. Southwest. M., 1938, 22: 266-70.—Imbert, A. La météoro-pathologie du nourrisson; essai d'interprétation pathogénique des accidents produits chez le nourrisson par les variations météorologiques; traitement des accidents aigus; prophylaxie. J. méd. Paris, 1931, 51: 261-3.—Kálló, A., & Török, G. Experimentelle Beiträge zur Frage des enteralen Kochsalzfiebers. Jahrb. Kinderh., 1935, 3. F., 94: 226-39.—Pritchard, E. Napkin rash in babies. Med. J. & Rec., 1933, 137: 408.—Runge, H. Ueber das Vorkommen von Infektionen des Brustkindes bei Mastitis der Mutter. Zbl. Gyn., 1923, 47: 1748-52.—Schmidt, F. Zur Frage des Einflusses der Ernährung auf die Morbidität des Säuglings- und Kleinkindesalters. Deut. Zschr. öff. Gesundheitspfl., 1928, 4: 38-44.—Stux, H. Materialien zur Sozialpathologie der Mutterschaft und des Säuglingsstums. Gesundheitsf. Kindesalt., 1926-27, 2: 541-52.—Toback, A. Ueber die Lipoid- und Eisenablagerungen in Nebennieren und Hoden im Säuglingsalter. Virchows Arch., 1928, 267: 690-715.—Ugarte, F. Protección de la primera infancia; raquitismo del lactante; rara presentación de un hematoma. Prensa méd. argent., 1937, 24: 405-7.—Waissmann, M., Damianovich [et al.] La contaminación tuberculosa, la heredosifilis y el raquitismo en la primera infancia; proyecto de investigación en el interior del país. Arch. argent. pediat., 1940, 13: 200.

Disease: Diagnosis.

See also Pediatrics.

DEWAR, J. What ails the baby? 96p. 16°. N. Y., 1890.

Abt, I. A. Examination of the infant; special consideration of abdominal palpation. Med. Clin. N. America, 1927, 11: 179-88.—Ambrus, J. [Cerebral symptoms of acute diseases in infants] Orvosképzés, 1934, 24: 92-100.—Barbacci, P., & Broggi, E. Calcemia, eccitabilità elettrica ed iperventilazione in varie condizioni morbose dell'infanzia. Rass. stud. psichiat., 1929, 18: 113-61, ch.—Careddu, G. Semeiotica generale. In Man. pediat. (Frontali, G.) Tor., 1936, 1: 153-80.—Filippi, F. de. Cómo se debe conducir el interrogatorio en las enfermedades del lactante? Dia méd., B. Air., 1934-35, 7: 775.—Galant, J. S. Ueber Wesen und Bedeutung des Poussepschen Zeichens; nach Untersuchungen an Säuglingen. Mschr. Kinderh., 1930, 46: 318-20.—Lange, C. de [Diagnostic possibilities; 3 cases of erroneous diagnosis] Ned. mschr. geneesk., 1927, 14: 365-78, 2 pl.—Lange, C. C. [Diagnosis

during the first weeks of life] Ned. tschr. geneesk., 1937, 81: 540-9.—Lippman, H. S. Restlessness in infancy. J. Am. M. Ass., 1928, 91: 1848-52.—Pernice, W. Ueber die Bedeutung der Blutdiastasebestimmung bei Erkrankungen im Säuglingsalter. Zschr. Kinderh., 1936, 58: 864-94.—Stransky, E. Die morphologische Blutuntersuchung als diagnostisches Hilfsmittel im Säuglingsalter. Wien. klin. Wschr., 1926, 39: 865-7.

Disease: Treatment.

PORTER, L., & CARTER, W. E. Management of the sick infant. 4. ed. 763p. 8°. S. Louis, 1932.

Barabás, Z. Der Wert der Blutbehandlung bei den Säuglingskrankheiten. Zschr. ärztl. Fortbil., 1935, 32: 410-3.—Borrino, A. Terapia generale. In Man. pediat. (Frontali, G.) Tor., 1936, 1: 181-218.—Cheyrou-Lagzeze, H. Les cures estivales chez le nourrisson. Marseille méd., 1936, 73: 274-80.—Cozzolino, O. Sul passaggio di medicamenti nel latte delle donne che allattano e suoi riflessi nel poppante. Clin. ostet., 1933, 35: 493-6.—Dorleincourt, H. La médication ferrugineuse (technique et direction chez l'enfant du 1^{er} âge) Médecine, Par., 1925-26, 7: 848-55.—Eberl, A. Intravenöse Menschenblutinjektionen bei Säuglingskrankheiten. Zschr. Kinderh., 1927, 43: 625-9.—Garrahan, J. P. Normas básicas para la terapéutica del lactante; conceptos y orientación práctica. Arch. pediat. Uruguay, 1939, 10: 637-56.—Harrenstein, R. J. [Preventive medicine and orthopedics for children soon after birth] Mschr. kindergeneesk., 1935, 4: 403-14, 14 pl.—Johnston, J. A. The therapy of altered chemical states in infancy. Rep. Wayne Co. M. Soc., 1930-31, 86-91.—Neff, F. C. The treatment of colic in infants. J. Am. M. Ass., 1940, 114: 1745-8.—Pascher, F. Prevention of common skin affections of early childhood. Prev. Med., N. Y., 1937, 7: 94-9.—Shaferstein, S. J. [Diseases of nursing infants] In Profil. ter. detsk. bolez. (Arkavin, J. S.) Kharkov, 1930, 1-53.—Trélat-Richet, M. Les tout petits au bord de la mer. J. méd. fr., 1927, 16: 110-4.—Weil, H. Einfluss der Fortschritte der Anstaltsversorgung auf Ablauf und Ausgang von infektiösen Erkrankungen (am Beispiel von Lues und Pyurie gezeigt) Arch. Kinderh., 1926-27, 80: 51-8.

Examination.

See also Pediatrics.

BRAUER, B. *Die Histaminprobe bei euer-gischen und dysergischen Säuglingen [Berlin] 31p. 8°. Düsseldorf, 1935.

Angulo P., G. Exploración clínica del lactante. Rev. san., Caracas, 1941, 6: 23-35.—Dockeray, F. C., & Valentine, W. L. A new isolation cabinet for infant research. J. Exp. Psychol., 1939, 24: 211-4.—Gindes, E. J. [Psycho-technical examination of infants] Sovet. pediat., 1935, No. 7, 124-31.—Hetzler, H., & Wolf, K. Babytests; eine Testserie für das erste Lebensjahr. Zschr. Psychol. Physiol. Sinnesorg., 1. Abt., 1928, 107: 62-104.—Normal (The) infant. J. Indiana M. Ass., 1939, 32: 15-7.—Que (Lo) necesita el niño durante y después de los exámenes. Bol. educ. san., Caracas, 1941, 5: No. 83, 12.—Winnicott, D. W. The observation of infants in a set situation. Internat. J. Psychoanal., Lond., 1941, 22: 229-49.

Feeding.

See Infant nutrition.

Health service.

See also Infant welfare; Maternity.

Ambrozio, M. Hygiène des nourissons et des petits enfants à la campagne. Tr. Sem. méd. balkan., 1935, 3. Congr., 47-52.—Andruzzi, A. Assistenza sanitaria ai bambini europei nei territori coloniali. Arch. ital. sc. med. col., 1937, 18: 643-66.—Arbona, G. Infant hygiene in Puerto Rico. Puerto Rico Health Bull., 1940, 4: 229-31.—Baird, A. B. Problems in infant hygiene and what statistics reveal. Canad. Pub. Health J., 1934, 25: 167-70.—Baranchuk, M. Elllanto de los lactantes. An. Soc. puericult. B. Aires, 1939, 5: 206-10.—Black, J. B. The infant hygiene program and results in Rutherford County, Tennessee. South. M. J., 1937, 30: 1091-6.—Lessard, A. L'Unité sanitaire de comté comme solution du problème de l'hygiène infantile dans les régions rurales. Canad. Pub. Health J., 1931, 22: 169-73.—Maternal and child health services. Pub. Health News, Trenton, 1941, 25: 324-9.—Mochan, V. O. [Efficacy of prenatal care and care of infants in Leningrad] Sovet. vrach. J., 1938, 42: 215-26.—Nazarova, N. S., Dunaevsky, A. J. [et al.] [Experimental project for infant consultation] Sovet. pediat., 1935, No. 9, 122-32.—Randall, M. G. Public health nursing service for infants; an analysis of services received by an unselected sample of infants in low-income families in the Bellevue-Yorkville district of New York City. Milbank Mem. Fund Q., 1935, 13: 185-200.—Rosenhaupt, Zur Frage des Wiederaufbaus der Aussenpflege im Säuglingsalter. Fortsch. Gesundheitsf., 1927, 1: 64-6.—Sargent, C. A. A plan to obtain more accurate records of infant hygiene field work. Am. J. Pub. Health, 1933, 23: 677-80.

Health service: Centers and dispensaries.

See also **Nursery; Pediatrics, Hospitals.**

DELPECH, R. *Étude sur l'avenir immédiat des enfants sortant des maisons maternelles; statistiques de la Maison maternelle nationale de Saint-Maurice. 96p. 8°. Par., 1932.

REVAULT D'ALLONNES, G. *La consultation de nourrissons annexée à la Maternité de la Pitié; son rôle médico-social. 59p. 8°. Par., 1936.

Allaria, G. B. La protezione del lattante nelle fabbriche. Rass. med. lavoro indust., 1930, 147-62.—**Bergamini, M.** L'Istituto Giannina Gaslini di Genova; la grande opera. Lattante, 1938, 9: 511-28, pl.—**Bettinotti, S. I., & Randle, H.** Tipo de edificación económica de dispensario para lactantes. Sem. méd., B. Air., 1934, 41: pt 2, 1524-7.—**Biehler, M.** [Impressions from a visit to hospitals and homes for infants in London.] Warsz. czas. lek., 1938, 15: 516-8.—**Bohn, A.** Les traitements courants en usage à la pouponnière d'Antony. Méd. inf., Par., 1940, 47: 137-40.—**Borsarelli, F.** Primo anno di funzionamento di un consultorio per lattanti. Lattante, 1938, 9: 333-40.—**Brusa, P.** Il personale di assistenza nei brefotrofi. Ibid., 1935, 6: 384-90.—**Fontenelle, J. P.** A hygiene da criança nos centros de saúde. Fol. med., Rio, 1938, 19: 164-71.—**Groulx, A.** Well-baby clinics in Montreal. Bull. hyg., Montréal, 1935, 21: No. 4, 1: No. 5, 1.—**Jacobi, W.** Ein Beitrag zur Frage der Pflege von Säuglingen in Heimen. Arch. Kinderh., 1926-27, 80: 95-100.—**Jahr, J., & Zweig, H.** Die Statistik der Säuglingsstationen des Kinderasyls und des Waisenhauses Berlin im Jahre 1925. Gesundheitsf. Kindesalt., 1925-26, 1: 542-56.—**Kaupe, W.** Säuglingsheim und Familienpflege. Zschr. Kinderforsch., 1935-36, 45: 8-14.—**Lattes, E.** Relazione triennale di tre consultori per bambini lattanti. Pediat. med. prat., Tor., 1935, 10: 599-604.—**Morgan, H. G.** Infant health clinics. Month. Bull. Bd Health Indiana, 1942, 45: 80.—**P. R. A.** El servicio de lactantes del Hospital Pereira Rosell. Dña méd. Uruguay, 1935, 2: 432.—**Schweizer, F.** Asistencia hospitalaria del lactante. Sem. méd., B. Air., 1926, 33: pt 2, 666-71.—**Simonetti Cuiza, R.** L'assistenza ospitaliera di lattanti sani al seno di madri malate. Lattante, 1936, 7: 840-51.—**Tobler, W.** Das Säuglingsheim als Milieu. Schweiz. med. Wschr., 1935, 65: 997-9.

Health service: Medical aspects.

Armand-Delille. Les résultats de l'héliothérapie préventive dans les chambres d'allaitement. Bull. Soc. pédiat. Paris, 1927, 25: 266.—**Bustamante, G. B.** Protección racional del niño sano; medidas profilácticas en el lactante. Dña méd., B. Air., 1936, 8: 503.—**Leccioni** inaugural del Prof. Dr Domingo Prat al ocupar su nueva clínica en el Hospital Maciel. Ibid., urug., 1935, 2: 433-6.—**Miller, H. E.** Supervision of the normal infant by the family physician. J. Indiana M. Ass., 1940, 33: 419.—**Pollitzer, R. M.** Adequate medical care for the infant. J. S. Carolina M. Ass., 1941, 37: 63.—**Supervision of the infant** by the family physician. South. M. & S., 1940, 102: 499-501.

Hospitals.

See **Pediatrics, Hospitals.**

Institutional care and hospitalization.

Allaria. Il problema dell'ospitalizzazione dei lattanti. Riforma med., 1932, 48: 1646.—**Black, N.** Standards of nursing service in the nursery. Proc. Am. Congr. Obst. Gyn. (1939) 1941, 1. Congr., 854-8.—**C. J.** La suspension des nourrissons hospitalisés. Arch. méd. enf., 1934, 37: 418-24.—**Cathala, J.** De l'importance des soins quotidiens dans la prophylaxie et le traitement des affections du nourrisson en milieu hospitalier. Infirm. fr., 1927, 5: 197-202.—**Chapin, H. D.** Convalescent care for hospital babies. J. Am. M. Ass., 1931, 98: 40-3.—**Cheyrou-Lagroze, H.** Le développement des tout-petits au T. O. E. Marseille méd., 1936, 73: 856-60.—**Gardère, C.** La cure d'air systématique dans l'élevage en commun des nourrissons. Médecine, Par., 1925-26, 7: 839-43.—**Individualized infant care** proves helpful in maintaining aseptic nursery technique. Surg. Equip., 1941, 8: No. 2, 14.—**Locatelli, A.** Sul ricovero ospedaliero dei bambini privi di madre. Pediat. med. prat., Tor., 1935, 10: 88-98.—**Reyniers, J. A.** Design characteristics of double cubicle system for protecting babies in nurseries. Am. J. Dis. Child., 1942, 63: 934-44.—**Rheingold, H. L.** Mental and social development of infants in relation to the number of other infants in the boarding home. Am. J. Orthopsychiat., 1943, 13: 41-4.—**Rueda, P.** Hospitalización del lactante. Arch. lat. amer. pediat., B. Air., 1926, 3. ser., 20: 537-45, ch.

Life.

See also subheading **Biology.**

BÜHLER, C. The first year of life. 281p. 8°. N. Y. [1930]

Baby's (A) odyssey. Nurs. Times, Lond., 1936, 32: 668; 699.—**Cunningham, R. M., jr.** Baby's a busy body. Hygeia, Chic., 1941, 19: 887-9.—**Dresslar, F. B.** A morning's observation of a baby. Pedagog. Semin., Worcester, 1901, 8: 469-81.—

Klein-Greenwood, A. Das erste Halbjahr eines Säuglings. Internat. Zschr. Individuolpsychol., Wien, 1933, 11: 464-7.—**Moncrieff, A. A.** The early weeks of life in relation to the health of the adolescent. J. State M., Lond., 1936, 44: 1-6.—**Piaget, J.** La première année de l'enfant. Brit. J. Psychol., 1927, 18: Sect. Gen., 97-120.—**Waik, L.** Die ersten Lebensjahre des Kindes in Südafrika. Anthropos, Mödling, 1928, 23: 38-109.—**Walton, J. B.** The first week of life. Colorado M., 1935, 32: 296-301.

Metabolism.

See also **Infant nutrition; also names of nutrients.**

Baer, H. Zur Technik der Ruhe-Nüchtern-Umsatz-Bestimmung beim Säugling; beeinflusst Sonnenlicht diesen Umsatz? Zschr. Kinderh., 1929, 47: 226-30.—**Zur Technik der Ruhe-Nüchtern-Umsatz-Bestimmung beim Säugling; zur Frage der Konstanz des Grundumsatzwertes beim Säugling.** Ibid., 1931-41.—**Brehme, T.** Ueber den Milchsäuregehalt des Blutes im Säuglingsalter. Mschr. Kinderh., 1926, 34: 456-60.—**Ederer, S.** Der Wert des Harnkohlenstoffes im Stoffwechsel des Säuglings. Ibid., 54-9.—**Goldmann, F.** Das Permeabilitätsproblem im Säuglingsalter. Jahrb. Kinderh., 1937, 3. F., 99: 365-85.—**Klinke, K.** Zur Frage der Nüchtern-Ausscheidung beim Brustkind. Ibid., 1928-29, 3. F., 72: 46-57.—**Knauer, H., & Stadler, R.** Wechselseitige Beeinflussung von Fett und Kohlehydraten im Stoffwechsel des Kindes. Mschr. Kinderh., 1934, 62: 85-92.—**Manicatis, M., Bratesco, A., & Russescu, A.** Recherches sur la teneur en cholestérine du sérum sanguin des nourrissons normaux. C. rend. Soc. biol., 1927, 96: 1240-2.—**Mendonça, S.** Metabolismo do lactente. Brasil med., 1942, 56: 242; 253.—**Rominger, E., & Meyer, H.** Ueber die Mineralausscheidung durch die Haut beim Säugling. Zschr. Kinderh., 1929, 47: 721-7.—**Schafferstein, S. J.** Zur Charakteristik der Oxydationsprozesse bei Säuglingen. Arch. Kinderh., 1929-30, 89: 191-201.—**Schroeder, L. C., & Holt, E.** The chylomicron (free fat) content of the blood in infants. Am. J. Dis. Child., 1926, 31: 201-17.—**Steucl, H.** Neue Untersuchungen über den Stoffwechsel normaler Säuglinge. Klin. Wschr., 1926, 5: 1008-11.—**Elinhhaus, J.** Beiträge zur Kenntnis des Säuglingsstoffwechsels; über die Aminosäurefraktion des normalen Säuglingsharns. Arch. Kinderh., 1925-26, 77: 297-303.—**Beiträge zur Kenntnis des Säuglingsstoffwechsels; über die Harnsäureausscheidung des normalen Säuglings.** Ibid., 1926, 78: 41-51.—**Weber, M.** Vom Cholesterinstoffwechsel und seinen Beziehungen zur Involution der Nebennierenrinde beim Säugling. Zschr. Kinderh., 1926, 42: 633-57.

Mortality.

See **Infant mortality.**

Neurology.

See also **Nervous system, Development.**

Baliasnikova, N. I., & Model, M. M. [Neurology of suckling] J. izuch. rann. detsk. vozr., 1931, 11: 370-9.—**Eckstein, A.** Saugreflex und Geschmacksprüfung bei jungen Säuglingen. Mschr. Kinderh., 1928, 38: 109-11.—**Zur Physiologie der Geschmacksempfindung und des Saugreflexes bei Säuglingen.** Zschr. Kinderh., 1927, 45: 1-18.—**Goldschmidt, H.** Zur Physiologie der Geschmacksempfindung und des Saugreflexes bei Säuglingen; Beobachtungen über die Verteilung der Geschmackspapillen bei Kindern in verschiedenen Lebensaltern. Ibid., 28-35.—**Hattori, T.** Studies on chronaxie in suckling. Orient. J. Dis. Inf., Kyoto, 1940, 27: 27-9.—**Komeda, M.** Ueber elektrische Erregbarkeit des peripheren Nerven beim gesunden japanischen Säugling. Ibid., 1930, 7: 23-6.—**Peiper, A.** Beiträge zur Neurologie der jungen Säuglinge. Mschr. Kinderh., 1931, 49: 265-71.—**Schmidt, A.** Zur Physiologie der Geschmacksempfindung und des Saugreflexes bei Säuglingen; über die Beziehungen des Saugreflexes zur Magentätigkeit. Zschr. Kinderh., 1927, 45: 19-27.

newborn.

See **Newborn.**

Nurse.

See **Breast feeding, Wet nurses; Infant, Care; Nurse; Pediatrics, Nursing.**

Nutrition.

See **Infant nutrition.**

Physical education.

EHRENFRIED, L. *Beobachtungen über die Wirkung systematischer Körperübungen im Säuglingsalter. 44p. 8°. Freib., 1926.

NEUMANN-NEURODE, D. Säuglingsgymnastik. 5. Aufl. 32p. 16°. Lpz. [19—]

Bayer, W. Untersuchungen über die Freiluftwirkungen auf den Säugling. *Jahrb. Kinderh.*, 1927, 3. F., 117: 125-39.—**Bleisch, K.** Das Säuglingsstürzen als Mittel zur körperlichen Erziehung und der Beseitigung von Krankheiten oder Krankheitsanlagen im Kinderkrankenhaus. *Zschr. ges. Krankenhauswes.*, 1926, 22: 15-7.—**Eckhardt, H.** Gedanken zur Säuglingsgymnastik. *Off. Gesundheitsdienst*, 1937-38, 3: B, 141.—**Hamburger, F.** Phylogenetische Gewohnheit und Säuglingsturnen. *Wien. klin. Wschr.*, 1926, 39: 1064-6.—**Hofmeier, K.** Ist die sogenannte Säuglingsgymnastik zu empfehlen? *Zschr. ärztl. Fortbild.*, 1938, 35: 411.—**Jenny, E.** Säuglingsgymnastik und -massage im alten Rom. *Jahrb. Kinderh.*, 1927-28, 3. F., 68: 238-42.—**Jushchenko, V. A., & Boikova, O. S.** [Therapeutic physical culture as one of the methods for raising children who can crawl] *Ortop. travmat.*, 1939, 13: No. 4, 57-67.—**Klein, M.** Gymnastics for babies. *Trained Nurse*, 1940, 105: 446-50.—**Krajewski, E.** [Neumann-Neurolede systematic gymnastics for nurslings] *Polska gaz. lek.*, 1926, 5: 112.—**Loyola, H.** Ginástica para o bebê. *Educ. fis.*, Rio, 1941, No. 53, 50-3.—**Rodrigo, S.** Ginástica infantil. *Ibid.*, 1942, No. 64, 28.—**Scarpioni, F.** Ricerche sperimentali sulla opportunità dell'esercizio fisico sistemistico nel lattante. *Lattante*, 1936, 7: 709-29.—**Schoedel, J.** Bewegung des Säuglings und Säuglingsgymnastik. *Jahrb. Kinderh.*, 1929, 3. F., 73: 316-27.

Position.

Ames, L. B. Precursor signs of plantigrade progression in the human infant. *J. Genet. Psychol.*, 1939, 55: 439-42.—**Peiper, A., & Isbert, H.** Ueber die Körperstellung des Säuglings. *Jahrb. Kinderh.*, 1927, 3. F., 115, 142-76.—**Pellerano, J. C.** Algo más a propósito de los lactantes suspendidos. *Prensa méd. argent.*, 1935, 22: 1495-7.—**Pelner, L.** The value of the head-up position for an infant. *Arch. Pediat.*, N. Y., 1941, 58: 666-8.—**Rischbieter, W.** Eine einfache Methode zur Feststellung des Haltungs-Zustandes im Säuglingsalter. *Gesundheitsförs. Kindesalt.*, 1928, 3: 45-56.

premature.

See Prematurity.

Psychology.

See also Behavior, infant; Ideation; Language, etc.

BERNFELD, S. *Psychologie des Säuglings*. 272p. 8°. Wien, 1925.

FENTON, J. M. C. A practical psychology of babyhood; the mental development and mental hygiene of the first 2 years of life. 348p. 8°. Bost., 1925.

HAZLITT, V. *The psychology of infancy*. 149p. 8°. Lond. [1933]

Bakwin, H. Loneliness of infants. *Am. J. Dis. Child.*, 1941, 62: 468; 1942, 63: 30-40.—**Bühler, C.** Die Reaktionen des Säuglings auf das menschliche Gesicht. *Zschr. Psychol. Physiol. Sinnesorg.*, 1. Abt., 1934, 132: 1-17.—**et HETZER, H.** Das erste Verständnis für Ausdruck im ersten Lebensjahr. *Ibid.*, 1928, 107: 50-61.—**Cacace, E.** Educación del niño de pecho. *Med. niños*, 1935, 36: 265-71.—**Canelli, A. F.** Elementi di psicologia infantile; la psiche e la intelligenza. *Clin. igiene inf.*, 1929, 4: 340-52.—**Carreno, C., & Slech, T.** Desarrollo sensorial y psíquico de los lactantes. *Dia méd.*, B. Air., 1936, 8: 505.—**Culucci, C.** Benessere e malessere psichico dellattante. *Riv. psicol.*, 1933, 29: 143-6.—**Dennis, W.** Infant development under conditions of restricted practice and of minimum social stimulation. *Genet. Psychol. Monogr.*, 1941, 23: 143-89.—**Eissler, K.** Zur genaueren Kenntnis des Geschehens an der Mundzone Neugeborener. *Zschr. Kinderpsychiat.*, Basel, 1938-39, 5: 81-5.—**Falconi Villagómez, J. A.** Psicología del infante; ontogenia y filogenia. *Pediat. Américas, Méx.*, 1943, 1: 29-38.—**Fenner, K.** Bemerkung zu dem Aufsatz von Dr Otto Lade: Ueber Schreien, Schnuller und Sauger. *Kinderärztl. Prax.*, 1937, 8: 118.—**Flusser, E.** Der schreiende Säugling. *Beihfte Med. Klin.*, 1928, 24: 125-56.—**Gesell, A.** Monthly increments of development in infancy. *Pedag. Semin.*, Worcester, 1925, 32: 203-8.—**et al.** Early evidences of individuality in the human infant. *Sc. Month.*, 1937, 45: 217-25.—**et al.** Ames, L. B. The ontogenetic organization of prone behavior in human infancy. *J. Genet. Psychol.*, 1940, 56: 247-63.—**Gilbert-Robin.** Il furto nel bambino. *Med. inf.*, Roma, 1936, 7: 69-81.—**Groves, G. H.** Being an infant. In *her Marriage*, N. Y., 1942, 60-76.—**Hall, G. S.** Notes on the study of infants. *Pedag. Semin.*, Worcester, 1891, 1: 127-38.—**Halverson, H. M.** An experimental study of prehension in infants by means of systematic cinema records. *Genet. Psychol. Monogr.*, 1931, 10: 107-286.—**Hart, H. N., & Hart, E. B.** Infant mental hygiene. In *their Person & Family*, rev. ed., N. Y., 1941, 358-62.—**Hirschfeld, C.** A constelação de família e o estilo de vida da criança. *Rev. neur. psiquiat.*, S. Paulo, 1942, 8: 24.—**Hushka, M., & McKnight, W. K.** Psychiatric observations in a well-baby clinic. *Psychosomat. M.*, 1943, 5: 42-50.—**Jahr, H. M.** Bad habits in good babies. *Hygeia*, Chic., 1937, 15: 696.—**Koepppe, H.** Psyche des Säuglings und

Kleinkindes. *Arch. Kinderh.*, 1938, 113: 34-9.—**Lade, O.** Ueber Schreien, Schnuller und Sauger. *Kinderärztl. Prax.*, 1936, 7: 546.—**Lemmon, J. R.** Problems of the crying infant. *Southwest M.*, 1936, 20: 248-50.—**Linfert, H. E., & Hierholzer, H. M.** A scale for measuring the mental development of infants during the first year of life. *Stud. Psychol. Cath. Univ. America*, 1926-28, 1: 1-33.—**Ling, B. C.** A genetic study of sustained visual fixation and associated behavior in the human infant from birth to 6 months. *J. Genet. Psychol.*, 1942, 61: 227-77.—**McGraw, M. B.** Modification of infant behavior. *Woods Schools Proc. Inst. Except. Child.*, Langhorne, 1935, 2: 45-8.—**et Weinbach, A. P.** Quantitative behavior analyses in longitudinal studies of infants. *Psychol. Bull.*, 1938, 35: 683.—**Nagge, J. W.** Prehension and grasping. In *his Psychol. Child*, N. Y., 1942, 93-7.—**Neves-Manta.** A alma da criança e a experiência psicanalítica. *Impr. med.*, Rio, 1939, 15: 1193-8.—**et al.** Da criança e sua alma na introspecção psicanalítica. *Ibid.*, 1941, 17: No. 333, 25-8.—**Nicholson, M. B.** Developmental difficulties in children under three. *Am. J. Orthopsychiat.*, 1943, 13: 45-52.—**Oettinger, K. B.** Before baby is two; helping the baby to build healthful ways of acting. *Hygeia*, Chic., 1934, 12: 41-4.—**Parreiras, D.** Estudo do desenvolvimento físico, intelectual e psíquico de crianças da Casa Maternal Dr Mello Mattos. *Rev. med. cir. Brasil*, 1927, 35: 113-31.—**Peiper, A.** Die Hirntätigkeit des Säuglings. *Erg. inn. Med. Kinderh.*, 1928, 33: 504-605.—**et al.** Rückfälle in die Hirntätigkeit der Säuglingszeit. *Med. Welt*, 1935, 9: 1673.—**Säuglingspsychologie.** *Zschr. Psychol. Physiol. Sinnesorg.*, 1. Abt., 1936, 138: 97-123.—**Piaget.** Le langage et la pensée chez l'enfant. In *Evolut. psychiatri.*, Par., 1925, 277-80 (Abstr.).—**Ripin, R., & Hetzer, H.** Frühestes Lernen des Säuglings in der Ernährungssituation. *Zschr. Psychol. Physiol. Sinnesorg.*, 1. Abt., 1930, 118: 82-127.—**Rose, S. A.** The crying infant; a study of the healthy, fretful child. *Arch. Pediat.*, N. Y., 1927, 44: 222-6.—**Sancipriano, M.** La formazione spirituale del bambino lattante. *Pediat. med. prat.*, Tor., 1937, 12: 525-45, 1938, 13: 369-85.—**Santamarina, V.** Los hábitos en la infancia y su influencia sobre el piquismo del niño. *Arch. med. inf.*, Habana, 1942, 11: 28-38.—**Schachter, M.** Le comportement neuro-psychique du nourrisson. *Rev. méd. est*, 1932, 60: 808-19.—**Schweizer, F.** Sobre algunas cuestiones vinculadas a la educación psíquica del lactante. *Sem. méd.*, B. Air., 1923, 30: pt 2, 1105-10.—**Senin, U.** Considerazioni di psicologia infantile. *Med. inf.*, Roma, 1936, 7: 82-92.—**Shirley, M.** A behavior syndrome characterizing prematurely-born children. *Child Develop.*, 1939, 10: 115-28.—**Welch, L.** The span of generalization below the 2-year age level. *J. Genet. Psychol.*, 1939, 55: 269-97.—**Zilahi, A.** Zur Erziehung des Säuglings. *Internat. Zschr. Individpsychol.*, Lpz., 1929, 7: 287-96.

Radiology.

Engelmayer, E. von. Hängegerät zur Röntgenuntersuchung von Säuglingen. *Röntgenpraxis*, 1935, 7: 481.—**Schall, L.** Hilfsgeräte zur Röntgenuntersuchung von Säuglingen. *Ibid.*, 1931, 3: 1131-6.—**et al.** Neues Modell eines Hilfsgeräts zur Röntgenuntersuchung des Säuglings nach dem Prinzip der verbindungsfreien Halterung. *Ibid.*, 1939, 11: 579-82.—**Simon, S.** Ein neues Hilfsgerät für Röntgenuntersuchungen des Säuglings. *Ibid.*, 1938, 10: 485-8.—**Viethen, A.** Verbesertes Säuglingsstützbänkchen für Durchleuchtungen (nach Wimberger). *Fortsch. Röntgenstrahl.*, 1926, 34: 554.—**Vogt, E.** Radiologische Studien über die inneren Organe des Neugeborenen. *Berl. klin. Wschr.*, 1920, 57: 513.—**et al.** Röntgenuntersuchungen der inneren Organe des Neugeborenen. *Fortsch. Röntgenstrahl.*, 1921, 28: 49-56, pl.

Sexuality.

See Libido, Development; Sex life.

in art and literature.

Clarés, R. Cómo interpretar el alma infantil a través de sus expresiones gráficas y plásticas. *Pediat. Américas, Méx.*, 1943, 1: 39-53.—**Mazzini, G.** El niño lactante en el arte. *Crón. méd.*, Lima, 1935, 52: 235-42.—**Ruhrh, J.** Mother and nursing child. *Am. J. Dis. Child.*, 1935, 50: 740.—**et al.** Some bonny babies pictured in the Cow and Gate photographic competition. *Nurs. Times*, Lond., 1939, 35: 1414.

INFANTE Noguera, Jorge. *Determinación del ácido hipúrico en la orina como índice de la función hepática [Chile] 79p. 25½cm. Santiago, Imprenta La Sud-America, 1940.

INFANTE Varela, Julio. *Anestesia endovenosa con evipan-sódico [Chile] 29p. 8°. Santiago [n. p.] 1934.

INFANTICIDE.

See also Abortion, criminal; Birth, Stillbirth; Diagnosis; Drowning, Diagnosis; Euthanasia; Homicide, etc.

ANBUHL, K. *Beiträge zum Kindesmord. 24p. 8°. Königsb., 1930.

HEIDINGER, M. *Kindstötung bei Zwillingen; Mitteilung eines Falles [Heidelberg] 6p. 8°. Bruchsal-Baden, 1936.

HORN, E. *Wechselbeziehungen zwischen Fruchtabtreibung und Kindstötung während der letzten fünfeinhalb Jahrzehnte im Gebiet der mittleren Rheinebene [Heidelberg] 21p. 22½cm. Würzb., 1938.

Benassi, G. Variazioni casistiche in tema di infanticidio. Arch. antrop. crim., Tor., 1933, 52: 739-51.—Döderlein, A. Kindsmord. Münch. med. Wschr., 1936, 83: 818-20.—Guareschi, G. L'infanticidio commesso su gemelli. Arch. antrop. crim., Milano, 1940, 60: 870-80.—Hulst, J. P. L. [Murder of newborn twins] Ned. tsschr. geneesk., 1926, 70: pt 1, 2349-55.—Infanticide. Lancet, Lond., 1938, 1: 211.—Kipper, Ein Beitrag zur Abtreibung und Kindstötung. Med. Klin., Berl., 1927, 23: 327; 366.—Knobloch, E. [Murder of infants] Cas. lek. česk., 1927, 66: 1186; 1215.—Marx, A. M. Bemerkenswerte Fälle von Tötung kleiner Kinder. Deut. Zschr. gerichtl. Med., 1928, 12: 427-39.—Müller, H. Infanticidio con morte della madre. Arch. antrop. crim., Tor., 1934, 54: 714-22.—Niedenthal, R. Ueber einen Fall von mehrfachen Kindsmord. Off. Gesundheitsdienst, 1938-39, ser. A, 4: 969-78.—Puntel, A. A. Infanticidio. Sem. méd., B. Air., 1931, 38: pt 1, 786-92.—Schenk, V. W. D. [Infanticide and attempt at suicide] Psychiat. neur. bl., Amst., 1930, 34: 592-613.—Schmidt, G. Kindstötung in der Geburt. Arch. Krim., 1928, 83: 260-5.

Anthropology and ethnography.

Decary, R. Troisième contribution à l'étude des infanticides rituels à Madagascar. Bull. Soc. anthrop. Paris, 1936, 8. ser., 7: 23-8.—Falcone, P. L'infanticidio in China. Arch. antrop. crim., Tor., 1928, 48: 665-78.—Frazer, J. G. Infanticide in China. In his Native Races of Asia, Lond., 1939, 102-4.—Female infanticide among the Hak-ka. Ibid., 108.—Götz, B. Ein Sohnesopfer. Zschr. ges. Neur. Psychiat., 1932, 138: 320-31.—Modi, J. P. Infanticide. In his Textb. Med. Jurispr., 6. ed., Bombay, 1940, 367-88.—Natori, H. Zwei seltsame Fälle von Mumifizierung in Japan. Deut. Zschr. gerichtl. Med., 1926-27, 9: 723-5.—Popoff, N. W. L'infanticide en Russie sous le rapport juridique et eugénétique. Ann. méd. lég., 1928, 8: 532-43.—Williamson, R. W. Infanticide. In his Essays Polynes. Ethnol., Cambr., 1939, 193-8.

Detection.

AXT, E. [G. F.] *Ein Fall von Verbrennung eines totgeborenen Kindes im Küchenherd. 16p. 8°. [Heidelb.] 1935.

BEHR, K. *Lässt sich ein neugeborenes Kind unauffällig verbrennen? [Heidelberg] 20p. 8°. Würzb., 1937.

KNIPSCHAAR, L. *Kritisch-statistische Uebersicht über die Leichenbefunde an den im Gerichtlich-medizinischen Institut in München wegen Kindsmord und Kindsmordverdacht seziierten Neugeborenen [München] 62p. 8°. Köln-Rhein, 1932.

Borghero, A. Di talune discongruenze morfologiche fra reperti macroscopici e reperti istologici nei polmoni di infante. Arch. antrop. crim., Milano, 1940, 60: 600-7.—Canuto, G. Falsa denuncia di nascita e di morte di un feto morto durante il parto. Ibid., 1936, 56: Suppl., 155-60.—Cowburn, A. B. Wilful murder or child destruction? Med. Leg. Crim. Rev., Lond., 1940, 8: 52.—Dervieux & Derobert. Modifications du poulmon du nouveau-né sous l'effet de la combustion. Echo méd. nord, 1934, 3. ser., 2: 207.—Modifications apportées dans les poulmons des nouveau-nés par la combustion. Ann. méd. lég., 1934, 14: 665-703.—Duvour. L'inhumation des mort-nés. Ibid., 1926, 6: 348-52.—Förster, A. Die gerichtsärztlich-kriminalistischen Gesichtspunkte bei der Untersuchung der Kindstötung. Deut. Zschr. gerichtl. Med., 1939-40, 32: 283-301.—Gernez, L. Blessures suspectes du foetus produites vraisemblablement au cours de l'avortement. Ann. méd. lég., 1935, 15: 683-91.—Krusinger [Case of suspected infanticide] Arch. Krim., 1927, 80: 32-5.—Martin, P. E., & Badr-El-Din. L'utropak en médecine légale. Ann. méd. lég., 1934, 14: 583-97.—Marz, E. Ueber die angeblich durch Gebärtselbsthilfe erzeugten Mund-Rachenverletzungen bei Neugeborenen und deren Bedeutung für die Kindsmordfrage. Arch. Gyn., Berl., 1927, 131: 234-61.—Müller, M. Eine neue Methode, kleinste Spuren von Kindsleichen, die durch Verbrennung beseitigt wurden, in der Asche nachzuweisen; über gewisse morphologische Charakteristika an verbrannten Knochenstücken aus dem Rückgrat des Neugeborenen und des menschlichen Embryos. Arch. Krim., 1939, 104: 125-30.—Olbrycht, J. Forensische Untersuchungsmethoden von Mekoniumspuren. Beitr. gerichtl. Med., 1928, 8: 39-49.—Parry, L. A. Dissertation by William Hunter on the uncertainty of the signs of murder in the case of bastard children. Brit. M. J., 1931, 2: 1143.—Salles, M. Infanticidio

ou asfixia durante o parto? Arq. Inst. med. leg., Rio, 1931, No. 3, 5.—Seiffert, A. Entdeckung eines kriminellen Falles durch direkte Untersuchung. Zschr. Hals & Hek., 1933, 33: 223-5.—Simonin & Thivolle. Analyses chimiques d'os calcinés de cendres et examens histologiques; à propos d'une expertise pour infanticide. Ann. méd. lég., 1934, 14: 704-16.

Detection: Tests of live birth.

See also under names of organs tested as Lung.

ABREU, M. DE. *A docimasia pulmonar histologica (contribuição experimental para o seu estudo) 173p. 8°. S. Paulo, 1929.

DRUMMOND MURGEL, M. *Contribuição para o estudo da docimasia hepatica histologica no diagnostico da morte rapida e da morte lenta. 32p. 8°. S. Paulo, 1928.

FENGER, M. *Undersøgelser over den rets-medicinske lungeprobe. 132p. 8°. Kbh., 1919.

WITT, A. *Kritische Untersuchungen zur histologischen Lungenprobe beim Neugeborenen [Berlin] 88p. 8°. Charlottenb., 1928.

ZINK, E. F. *Docimasia hepatica chimica; contribuição para o seu estudo. 66p. 8°. S. Paulo, 1929.

Beöthy, K. Die histologische Lungenprobe. Zschr. Med-beamte, 1928, 41: 379-84.—[Experimental determination of the pyloric resistance and its value in indicating the live birth of newly born children discovered in water] Gyógyászat, 1931, 71: 795-8.—Freundkörper in den Darm-partien unterhalb des Pylorus als Lebenszeichen von Neugeborenen. Deut. Zschr. gerichtl. Med., 1932, 19: 58-62.—Berneck, E. Ueber die Sicherheit der Lungenschwimmprobe bei vorgeschrittener Fäulnis. Med. Welt, 1936, 10: 1001.—Böhmer, K. Beitrag zur histologischen Lungenprobe. Deut. Zschr. gerichtl. Med., 1932-33, 20: 396-419.—Cazzaniga, A. Le nuove teorie sulla struttura del polmone in rapporto alla docimasia istologica della vita. Arch. antrop. crim., Tor., 1930, 50: Suppl., 1256-8.—Dalla Volta, A. Entro quali limiti la vitalità del prodotto del concepimento può essere giudicata sulla base dello stadio di sviluppo del polmone? Ibid., 1267-84.—Diniz, S. Une nouvelle preuve de la vie extra-utérine; docimasia sialique. Ann. méd. lég., 1925, 5: 502-5.—Dyrenfurth, F. Ueber neue Wege zur Bestimmung von Lungen- und Darmgasen der Leiche und eine sich daraus ergebende Atmungsprobe beim Neugeborenen. Med. Klin., Berl., 1927, 23: 322.—Ueber die Anwendbarkeit des NO zur Feststellung der Luftembolie und zum Atmungsnachweis beim Neugeborenen. Deut. Zschr. gerichtl. Med., 1932-33, 20: 391-5.—Ueber den qualitativen und quantitativen Nachweis von Sauerstoff in Lungen- und Darmgasen von Leichen und seine Anwendung bei der gerichtsärztlichen Feststellung der Atmung Neugeborener. Ibid., 1928, 12: 23-9.—Favero, F., & Abreu, M. de. A docimasia pulmonar histologica pela congelação. Ann. Fae. med. S. Paulo, 1930, 5: 301-3.—Fenger, M. Lungenprobe und Fäulnisemphysem. Deut. Zschr. gerichtl. Med., 1923, 2: 31-47.—Luftleere Lungen bei Kindern, die geatmet haben. Ibid., 267-92.—Foerster, A. Die Bedeutung der histologischen Lungenprobe in der gerichtlichen Medizin. Ibid., 1931-32, 18: 507-40.—Vitale Reaktion und die elastischen Längsfasern des Bronchus. Ibid., 1933, 21: 158-63.—Fraenckel, P., & Weimann, W. Zur histologischen Lungenprobe. Ibid., 1925-26, 6: 642-9.—González Bernal, D. Algunas pruebas médico-legales de la vida de los recién nacidos. Med. ibera, 1932, 26: pt 2, 624; 661.—Haberdia. Fort mit der Lungenschwimmprobe! Deut. Zschr. gerichtl. Med., 1929, 14: 7-10.—Halluin, M. d'. Docimasia pulmonaire positive chez 2 enfants mort-nés. Rev. prat. obst. gyn., Par., 1904, 153-6.—Hess, L. Die Lebensproben (Lungen- und Magendarm-Schwimmprobe) in ihren gegenseitigen Beziehungen zueinander (nach den Neugeborenen-Sektionen des Gerichtlich-Medizinischen Instituts München) Beitr. gerichtl. Med., 1932, 11: 123.—Hulst, J. P. L. [Foreign substances in the lung and in gastric contents as an aid in determining a violent death] Ned. tsschr. geneesk., 1928, 72: pt 1, 1597-600.—Krammer, L. Streit und Widerstreit um die Beweiskraft der Lungenschwimmprobe in gerichtsärztlicher Darstellung. Sudhoffs Arch., 1933, 26: 253-76.—Lande, P., Grall & Grinsard. Sur la docimasia pulmonaire histologique pour le diagnostic de la vie extra-utérine. Ann. méd. lég., 1926, 6: 492-7.—Løvsæt, J. [Negative lung test in full-term live-born child] Med. rev., Bergen, 1933, 50: 461-3.—Manunza, P. La docimasia istologica sulla porzione d'impianto del fuculo ombelicale quale elemento probativo di vita extrauterina. Arch. antrop. crim., Tor., 1935, 55: 289-99, 2 pl.—Martin, E., & Naville, F. Revue générale des différentes méthodes de docimasia pulmonaire. Ann. méd. lég., 1926, 6: 1-18; 41.—Mueller, B. Gasanalytische Untersuchungen an faulenden Lungen. Deut. Zschr. gerichtl. Med., 1930-31, 16: 459-69.—Nicoletti, F. Il comportamento dei leucociti perossidasi nei feti che hanno e che non hanno respirato. Cult. med. mod., Pal., 1926, 5: 271-83.—Nippe. Histologische Lungenprobe. Zschr. Medbeamte, 1928, 41: 473-7.—Olbrycht, J. Mikroskopische Untersuchungen von Lungen verbrannter

Neugeborener zum Nachweis ihres Geleibthabens, nebst Bemerkungen über die forensische Bedeutung der histologischen Lungenprobe. Deut. Zschr. gerichtl. Med., 1926-27, 9: 529-45. — La docimasia pulmonaire histologique chez les fœtus et les nouveau-nés carbonisés. Ann. méd. lég., 1929, 9: 48-56. — **Palmieri, V. M.** Sulla docimasia salicla. Arch. antrop. crim., Tor., 1927, 47: 215-26. — **Radtke, W.** Zur Technik der histologischen Lungenprobe. Deut. Zschr. gerichtl. Med., 1934-35, 24: 250-2. — **Schönberg, S.** Zur Bewertung der Lungenschwimmprobe. Schweiz. med. Wschr., 1923, 53: 351. — **Schranz, D.** Ist aus der Haarmarkentwicklung die Reife und das Geleibthaben eines Neugeborenen festzustellen? Deut. Zschr. gerichtl. Med., 1934-35, 24: 1226-8. — **Siracusa, V.** La questione del rivestimento dell'alveolo polmonare dal punto di vista istodocimastico. Arch. ital. anat. pat., 1931, 2: 177-95. — **Sousa Diniz, A.** Uma nova prova de vida extra-uterina; docimasia salicla. Arch. med. leg., Lisb., 1932, 5: 60-2. — **Strassmann, F.** Der gegenwärtige Stand der Lungenprobe. Mschr. Geburtsh. Gyn., 1926, 75: 47-55. — **Vigetti, E.** Valor comparativo de la docimasia pulmonar hidrostatica e histologica. Rev. méd. Rosario, 1927, 17: 359-64, 2 pl. — **Walcher, K., & Klauer, H.** Ueber die Prüfung der Schwimffähigkeit beziehungsweise des spezifischen Gewichtes des Thymus. Deut. Zschr. gerichtl. Med., 1933, 21: 152-7. — **Weimann, W.** Zur histologischen Untersuchung der Neugeborenenlunge. Ibid., 1928, 12: 309-29.

Forensic medical aspect.

Cipi, S. E. *Qualification de la victime de l'infanticide: étude juridique et médico-légale. 69p. 8° Par., 1937.

RENNEBAUM, E. *Die rechtliche Beurteilung der Kindstötung in oder bald nach der Geburt, dargestellt auf Grund der im Gerichtsärztlichen Institut der Medizinischen Akademie zu Düsseldorf zur Sektion gekommenen Fälle von fraglichem Kindesmord [Münster] 32p. 8° Zeulenroda [1934]

Böhmer, K. Ohnmacht in der Geburt. Deut. Zschr. gerichtl. Med., 1928, 12: 5-11. — **Borchers, W.** Erfahrungen über 92 gerichtsarztliche Sectionen neugeborener Kinder unter besonderer Berücksichtigung eines Falles von kongenitaler doppelseitiger Cystenniere. Ibid., 1926, 8: 5-18. — **Carlini, P.** Osservazioni sulle perizie dei Dott. Oliveri, Prof. Clivio, Deblasi, Tomellini, nel procedimento penale contro Muzio Iole imputata di infanticidio. Riv. ostet. gin., 1933, 15: 347-57. — **Cramarossa, V.** Quesito ostetrico e medico-legale a proposito di diagnosi differenziale tra gravidanza a tre mesi e utero puerperale in donna primigravida indiziata di feticidio. Clin. ostet., 1934, 36: 520-4. — **Davidson, G. M.** Medico-legal aspects of infanticide. J. Crim. Psychopath., 1940-41, 2: 500-11. — **Gummersbach, H.** Das gerichtsmmedizinische Gutachten und die Strafverfolgung bei der Kindstötung. Deut. Zschr. gerichtl. Med., 1933-34, 22: 419-26. Also Aerztl. Sachverst. Ztg., 1936, 42: 87-92. — Die strafrechtliche Sonderstellung der Kindesmörderinnen; eine kriminalpsychologische Persönlichkeitsstudie zur Strafrechtsreform. Oeff. Gesundheitsdienst, 1936-37, 2: A, 617-25. — Zur kriminologischen und rechtlichen Beurteilung der Kindstötung. Mschr. Krim. Psychol., 1937, 28: 364-78. — **Haun, K.** Beitrag zur Lehre vom Kindesmord. Deut. Zschr. gerichtl. Med., 1927, 10: 58-69. — **Infanticide.** Med. Leg. Crim. Rev., Lond., 1938, 6: 172-4. — **Lenzi, L.** Considerazioni medico-legali sopra un caso di sospettato infanticidio. Clin. ostet., 1930, 22: 283-92. — **Macaggi, D.** Pour la résolution de quelques problèmes sur la vie et la vitalité du nouveau-né (la vie apnéique extra-utérine en rapport avec l'arrêt du développement du poulmon) Ann. méd. lég., 1928, 8: 32-41. — Vita apnoica extra-uterina ed infanticidio di fronte dell'art. 577 del testo definitivo del Progetto Rocco. Arch. antrop. crim., Tor., 1930, 50: Suppl., 1536-47. — **McIlroy, A. L.** The influence of parturition upon insanity and crime [Infanticide Act of 1922] Med. Press & Circ., Lond., 1928, n. ser., 125: 240-2. — **Matheson, J. C. M.** Infanticide. Med. Leg. Crim. Rev., Lond., 1941, 9: 135-52. — **Merkel, H.** Ueber das Zustandekommen von Mund- und Rachenverletzungen bei Neugeborenen. Deut. Zschr. gerichtl. Med., 1929, 14: 455-8 [Bemerkung von S. Schönberg] 459. — **Strassmann, G.** Beiträge zur Lehre vom Kindesmord. Ibid., 1926-27, 9: 546-64. — **Walcher, K.** Ueber Blutungen im Lungengewebe bei Neugeborenen. Ibid., 1926, 8: 523-35. — Ueber die postmortalen Gewichtsveränderungen menschlicher Früchte im Wasser. Ibid., 1930, 15: 392-7. — **Werkgartner, A.** Ein Beitrag zur Frage der bleibenden Zeichen der Entbindung; Selbstbeziehung einer Kindesmörderin. Beitr. gerichtl. Med., 1928, 8: 68-77. — **Ziegner, W.** Die Lebensfähigkeit der Neugeborenen im Sinne des 90. StPO. Deut. Zschr. gerichtl. Med., 1926, 8: 759-61.

Legal aspect.

MAAS, P. *Die fahrlässige Tötung des neugeborenen Kindes in Bezug auf § 217 des deutschen Strafgesetzbuches [Münster] 19p. 8° Quakenbrück, 1935.

STEUER, E. [J. H.] *Zur Lehre vom Kindesmord. 35p. 8° Bresl., 1931.

Ascarelli, A. L'infanticidio dal punto di vista medico-legale (considerazioni sullo generica del reato d'infanticidio nel vecchio e nel nuovo codice) Arch. antrop. crim., Tor., 1933, 53: 1239-48. — **Baker, F. H.** The Desatnick infanticide. N. England J. M., 1930, 202: 170-2. — Cases of infanticide a new point in law. Brit. M. J., 1940, 2: 726. — **Elo, O.** Kasuistische Beiträge zur Frage der Privilegierungsgründe beim Kindesmord. Acta Soc. med. Duodecim, 1940, ser. B, 28: fasc. 2, No. 3, 1-243. — **Gummersbach, H.** Die strafrechtliche Wertung der Kindstötung. Münch. med. Wschr., 1938, 85: 757-9. — **Marx, A. M.** Das neue Gesetz über die Todesstrafe und der Vorentwurf zu einem neuen Gesetze über den Kindesmord in der tschechoslowakischen Republik. Deut. Zschr. gerichtl. Med., 1934-35, 24: 374-8. — **Médici Filho, A.** O infanticidio no novo Código penal. Arq. políc. civ. S. Paulo, 1942, 3: 151-64. — **Romanese, R.** Vita e presunzione di vita in tema di infanticidio. Arch. antrop. crim., Tor., 1936, 56: 582-7.

Method.

Voss, C. *Tötungen und Tötungsversuche durch Einbohren von Nadeln in die Schädelhöhle Neugeborener und kleiner Kinder [München] 23p. 8° Kallmünz, 1935.

WEISS, T. *Experimentelle Untersuchungen über Verschluss der Atemwege und der Halsblutgefäße des Neugeborenen durch Umdrehen des Kopfes (anschliessend an einen einschlägigen Fall von Kindsmord) p.207-18. 8° [Münch.] 1935.

Also Deut. Zschr. gerichtl. Med., 1936, 27:

Ballotta, F. Infanticidio per soffocazione. Riforma med., 1928, 44: 591. — **Benassi, G.** Infanticidio per decapitazione. Arch. antrop. crim., Tor., 1928, 48: 221-40. — **Berardinelli, C. G.** Infanticide by burial. Am. J. Surg., 1935, 29: 455. — **Busatto, S.** Infanticidio per arma bianca. Arch. antrop. crim., Tor., 1935, 55: 239-66. — **Bytchkov, I. Y.** [Methods of infanticide] Sudeb. med. ekspertiza, 1928, 75-81. — **Corin, G.** El infanticidio por omisión. Progr. clín. Madr., 1914, 4: 353-9. — **Crema, C.** Infanticidio seguito da morte della madre per emorragia e tentativo di suicidio. Arch. antrop. crim., Tor., 1935, 55: 1034-40. — **Cueli, L. F., & Bonnet, F.** Infanticidio por lesiones múltiples. Sem. méd., B. Air., 1937, 44: pt 2, 549-55. Also Rev. As. méd. argent., 1938, 52: 109-12. — **Dalla Volta, A.** Parto in treno ed infanticidio per precipitazione. Arch. antrop. crim., Tor., 1926, 46: 39-45. — **Morte sospetta d'infante per strappamento delle vie respiratorie.** Rass. internaz. clin. ter., 1926, 7: 234-47. — **Grushetskia, V. A.** [Rare case of a foreign body (two needles) in the cranial and abdominal cavities in a 1 year 11 months old child inserted criminally at 4 months] Sovet. pediatri, 1936, No. 9, 117-9. — **Hiltmann, E.** Kindsmord. Schweiz. med. Wschr., 1942, 72: 49 (Abstr.). — **Hulst, J. P. L.** [Case of infanticide by strangulation]. Ned. tschr. geneesk., 1927, 71: pt 2, 1610-6. — **Kockel, Mord durch Schwefelsäure.** Deut. Zschr. gerichtl. Med., 1930, 15: 253-6. — **Palmieri, V. M.** Infanticidio mediante ossianuro di mercurio. Zaccchia, 1939, 2, ser., 3: 504-10. — **Perotti, D.** Infanticidio con arma da taglio (scannamento e ferite multiple) Boll. Soc. med. chir., Pavia, 1929, n. ser., 4: 191-213, 2 pl. — **Radtke, W.** Zur Verbrennung Neugeborener. Deut. Zschr. gerichtl. Med., 1932-33, 30: 267-77. — **Reuss, H.** Ein Fall von Kindstötung im Kachelofen. Ibid., 1937-38, 29: 253. — **Scolari, E. G.** Infanticidio per esposizione al freddo e per avvelenamento con la chinina. Boll. Soc. med. chir., Pavia, 1928, No. 6, 1155-69.

Motivation.

GREAVES, G. Observations on some of the causes of infanticide. 26p. 8° Manchester, 1863.

IMMESBERGER, A. *Soziale und ethische Probleme bei der Kindstötung. 19p. 8° [Heidelberg], 1936]

JÜNGLING, A. *Kasuistische Beiträge über mehrfachen Kindsmord mit Betrachtungen über die Psychologie und strafrechtliche Würdigung des Kindsmordes im allgemeinen [München] 56p. 8° Erlangen-Bruck, 1935.

PFISTER-AMMENDE, M. *Zwei Fälle von Kindstötung in psychiatrischer Beurteilung. 27p. 24½cm. Zür., 1937.

Also Schweiz. Arch. Neur. Psychiat., 1937, 39:

Bender, L. Psychiatric mechanism in child murders. J. Nerv. Ment. Dis., 1934, 80: 32-47. — **Devallet, J., & Scherrer, P.** Un cas de psychose de dégoût conjugal avec réaction infanticide. Ann. méd. psychol., Par., 1939, 97: pt 2, 80-8. — **Gummersbach, H.** Rechtfertigten Ratlosigkeit und Ehrennot.

stand einen Sondertatbestand der Kindstötung? Mschr. Krim. Psychol., 1933, 24: 615-25. — Die kriminal-psychologische Persönlichkeit der Kindesmörderinnen und ihre Wertung im gerichtsmedizinischen Gutachten. Wien, med. Wschr., 1938, 88: 1151-5. — **Kinberg, O.** [Murder of own child by a woman in a marked state of mental confusion] Sven. läk. tidn., 1934, 31: 969-87. — [Murder of own child out of wedlock, committed by a schizoid woman during a state of psychological confusion] Ibid., 1935, 32: 582-96. — **Kirwitzke.** Schwangerschaftsverheimlichung als Ursache einer Kindes-tötung? Aerztl. Sachverst. Ztg., 1935, 41: 304-6. — **Klino, Z.** [Murder of an infant by its mother in a depressive state] Bratisl. lek. listy, 1937, 17: Suppl., 307-12. — **Klineberg, O.** Infanticide. In his Social Psychol., N. Y., 1940, 70-3. — **Langelüddeke, A.** Zur Motivierung des Kindesmordes. Allg. Zschr. Psychiat., 1940, 115: 356-61 (microfilm) — **Romanese, R.** Considerazioni medico legali sull'Art. 578 C. P. (infanticidio per causa di onore) Arch. antrop. crim., Tor., 1932, 52: 723-32. — **Suárez Peñalver, G.** Homicidio por razón de honor (infanticidio) Policia secr. nac., Habana, 1940, 6: No. 5, 46-50.

— Statistics.

Elo, O. Der Kindesmord in der Kriminalstatistik. Deut. Zschr. gerichtl. Med., 1939, 32: 1-47. — **Hedren, G.** [Criminal-anthropological studies of child-murder in Sweden in the years of 1880-85 and 1927-32] Sven. läk. tidn., 1935, 32: 545-58. — **Nippe.** Ueber Kindesmord. Deut. Zschr. gerichtl. Med., 1929, 14: 44-53. — Statistics of infanticide. Brit. M. J., 1941, 1: 693.

INFANTILE paralysis.

See Poliomyelitis.

INFANTILISM.

See Dwarfism; also under names of organs.

— psychical.

See also Child, backward; Idioey; Mental deficiency.

Feldner, A. Der psychophysische Infantilismus in seiner biologischen Bedeutung. Wien, klin. Wschr., 1938, 51: 904-6. — **Geiger, H.** Beobachtungen über motorische Infantilismen und Magnussche Reflexe bei entwicklungsgehemmten und cerebrall geschädigten Kindern. Zschr. ges. Neur. Psychiat., 1931, 133: 280-92. — **Gütt, T.** Zum Wesen des psychischen Infantilismus beim Kinde. Zschr. Kinderh., 1927, 43: 1-7. — **Magalhães Lemos.** Infantilisme et dégénérescence psychique. Porto med., 1906, 3: 101. — **Meige, H.** Infantilisme mental, infantilisme moteur. C. rend. Congr. alién. neur. France, 1911, 21. Congr., 144-6. — **Thurzó, E.** L'infantilisme psychique. Prat. méd. fr., 1932, 13: 645-9.

— psychosexual.

See also Autoerotism; Fetishism; Leonolagny; Libido, Development, etc.

Brunswick, R. M. Ein Nachtrag zu Freuds Geschichte einer infantilen Neurose. Internat. Zschr. Psychoanal., Wien, 1929, 15: 1-43. — **Karpman, B.** Criminality as an expression of psychosexual infantilism. J. Crim. Psychopath., 1941-42, 3: 383-429. — **Landis, C., & Bolles, M. M.** Psychosexual immaturity. J. Abnorm. Psychol., 1940, 35: 449-52. — **Long, C. M. R.** A study of infantile personality. Brit. J. Psychol., 1921, 2: Med. Sect., 68-80. — **Marcus, E.** Bemerkungen zu einer Selbststudie über retour de l'enfance. Zbl. Psychoanal., 1912-13, 3: 148-51. — **Moessner, A.** Ein Fall von sexuellem Infantilismus. Psychiat. neur. Wschr., 1935, 37: 477-80. — **Pettow, R.** Ueber eine besondere Form sexueller Anomalie (Selbststudie über retour à l'enfance) Zschr. ges. Neur. Psychiat., 1910-11, 4: Orig., 692-6. — **Vajda, A.** [Psychosexualis infantilismus] Budapesti orv. ujs., 1938, 36: 25-30.

INFANT mortality.

See also Birth, Stillbirth; Childhood, Mortality; Maternity; Newborn; Vital statistics.

Friedrich, G. *Häufigkeit und Ursachen der Totgeburten und Frühsterblichkeit (unter Berücksichtigung des Materials an der Universitäts-Frauenklinik Kiel in den Jahren 1929-33 einschliesslich) [Kiel] 32p. 23½cm. Speyer, 1936.

Kallmann, P. *Ueber die Kindersterblichkeit vor, während und nach der Geburt. 25p. 8° Halle (Saale) 1935.

Kohn, J. *Frühsterblichkeit und Säuglingsmortalität. 18p. 8° Berl., 1932.

Baird, D., McNeil, C. [et al.] Stillbirth and neonatal mortality. Brit. M. J., 1942, 2: 525. Also Lancet, Lond., 1942, 2: 511. Also Proc. R. Soc. M., Lond., 1942-43, 36: 59-68. — **Bjerre, H.** [Primary mortality of infants] Ugeskr. laeger, 1938, 100: 368-70. — **Caporali, R.** Risposta al questionario sul problema della mortalità infantile nel I. biennio di vita.

Lattante, 1939, 10: 135. — **Casey, W. G.** Infant mortality. J. M. Ass. Alabama, 1938-39, 8: 144-6. — **Dalrymple-Champneys, W.** Why do infants survive? Publ. Health, Lond., 1936-37, 50: 217-9. — **Debré, R., & Joannon, P.** La mortalité précoce du nourrisson. Gaz. hóp., 1931, 104: 1781-4. — **Fleming, G. B.** Death in the first month and the first year. Lancet, Lond., 1940, 1: 1177. — **García, E. L.** Encuesta sobre mortalidad infantil. Rev. Hosp. niño, Lima, 1941, 3: No. 6, 3-5. — **Gardiner, E. M., & Hotopp, M.** Fetal and neonatal deaths. Med. Woman J., 1941, 48: 308-17. — **Gardner, E.** Infant mortality study. Virginia M. Month., 1927-28, 54: 494-7. — **Greenebaum, J. V., & Selkirk, T. K.** Infant mortality. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 7: 743-51. — **Herman, C.** Some factors in the infant mortality problem. N. York State J. M., 1928, 28: 1087-91. — Infant mortality and survival of the fittest. Sc. Month., 1926, 22: 25-9. — **Infant mortality.** Am. J. Pub. Health, 1934, 24: 277-9. — **Le Lorier.** Mortalité foetale et infantile. Progr. méd., Par., 1938, pt. 2, 1417-22. — **Levy, J.** Deaths in the first month of life. J. M. Soc. N. Jersey, 1932, 29: 935-8. — **Lotka, A. J.** Infant mortality. Britan. Bk 1942, 351. — **Mackenzie, L. L.** A method of studying infant mortality. N. York State J. M., 1940, 40: 886-91. — **McNeil, C.** Death in the first month and the first year. Lancet, Lond., 1940, 1: 819; 912; 993. — **Manfrini.** Sterblichkeit im ersten Lebensjahr. Med. Klin., Berl., 1940, 36: 720 (Abstr.) (microfilm) — **Nelson, W. E.** Infant mortality. In Cyclop. Med. (Piersol-Bortz) Phila., 1937, Serv. Vol., 586. — **Noble, M. R.** Infant mortality. Hahncman. Month., 1931, 66: 259-64. — **Peiper, A.** Ueber die Frühsterblichkeit. Arch. Gyn., Berl., 1930, 142: 329-36. — **Pfaundler.** Natürliche Auslese beim Frühod. Zschr. Gesundheitsförs., 1934, 1: 1-6. — **Pringle, A. M. N.** Some observations on infant mortality. Med. Off., Lond., 1939, 61: 85. — **Roberton, J.** Observations on the mortality and physical management of children. Month. J. Foreign Med., 1828, 2: 160-6. — **Ronsheim, J.** The problem of infant mortality. Am. J. Obst., 1938, 36: 419-26. — **Rot, F.** Die Bedeutung der Frühsterblichkeit für die Säuglingssterblichkeit. Mschr. Kinderh., 1928, 41: 327-54. — **Saavedra, A. M.** Algunos aspectos acerca de la mortalidad y natalidad infantil. Rev. mex. puericult., 1933-34, 4: 685-91. — **Still-births and neonatal deaths.** Med. Rep. Glasgow Matern. Hosp., 1935, 165. — **Stouman, K.** The perilous threshold of life; being a description of the demographic setting of infant mortality. Q. Bull. Health Org. League of Nat., 1934, 3: 531-612. — **Strassmann, F.** La mortalité infantile au point de vue médico-légal. Mouvement hyg., Brux., 1913, 29: 235. — **Vining, W.** Death in the first month and first year. Lancet, Lond., 1940, 2: 22. — **Walbaum, J.** Das Problem der Säuglingssterblichkeit. Oeff. Gesundheitsdienst, 1939-40, 5: B, 383-5. — **Welling, W. C.** The problem of infant mortality. Connecticut Health Bull., 1934, 48: 201-5. — **Babies are dying younger.** Ibid., 1942, 56: 174. — **Wendenburg, F.** Das Problem der Frühsterblichkeit des Säuglings. Gesundheitsförs. Kindesalt., 1926-27, 2: 107-21.

— Causes.

Boulinger, D. *Etude des causes de mort des nourrissons de la Crèche des enfants-malades antérieures à leur entrée. 112p. 24½cm. Par., 1938.

Haselmayr, I. *Die geringere Sterblichkeit gestillter Säuglinge im Spiegel einer Untersuchung von 450 Säuglingstodesfällen. 22p. 23cm. Münch., 1937.

Roscher [P. K.] W. *Ueber den Grund der Totgeburt und die Ursache der Frühsterblichkeit bei Spontangeburt [Leipzig] 32p. 8° Zeulenroda, 1936.

Schaank, J. R. H. *Over de doodsoorzaken der pasgeborenen. 71p. 24cm. Leiden [1929]

Sturm, P. *Die Todesursachen und deren forensische Bedeutung bei Neugeborenen und in den ersten Lebenswochen Verstorbenen [München] 41p. 8° Lüdenscheid, 1933.

A. Brasil, M. de. Causas da mortalidade na primeira infancia. Arq. riogrand. med., 1938, 17: 243-8. — **Altman Smythe, J.** Espejismo de los resultados de la multinatalidad. Guatemala méd., 1942, 7: No. 8, 13-5. — **Anteil (Der)** der Verdauungskrankheiten an der Säuglingssterblichkeit. Schweiz. med. Wschr., 1936, 66: 364. — **Archambault, J.** Artificial feeding and infant mortality. Bull. san., Montréal 1935, 35: 111-4. — **Barthe, L.** Une cause méconnue de mortalité infantile. J. méd. Bordeaux, 1927, 57: 471. — **Bjerre, H.** Sur la mortalité infantile primaire; rapports avec le poids du foetus et l'étéologie. Gyn. obst., Par., 1938, 38: 438-43. — **Breyer, G.** [Striking correlation of infantile mortality and the daily variations of temperature of the child] Budapesti orv. ujs., 1936, 34: 1092-4. — **Burkhardt, F.** Relationen, die die Sterblichkeitsstatistik der ersten Lebensjahre durchziehen. Congr. internat. popul. (1937) 1938, 1. Congr., 5: 183-7. — **Camerer, W.** Zur Todesursachenstatistik im Säuglingsalter. Mschr. Kinderh., 1937, 68: 343-6. — **Carvalho Borges, S. M. de.** Mortalidade

infantil; perturbações da nutrição. *Pediat. prat.*, S. Paulo, 1935, 6: 111-28, 4 ch.—**Chevallier, A.** Les nourrices; la mortalité des enfants. *J. chim. méd.*, Par., 1869, 5. sér., 5: 598-602.—**Chodak-Gregory, H. H.** Acute respiratory diseases as a factor in infant mortality. *Hosp. Social Serv.*, 1923, 17: 533-40.—**Christiansen, J.** Säuglingssterblichkeit und Volksernährung. *Verh. Deut. Ges. inn. Med.*, 1937, 49. Kongr., Sekt. inn. Med., 103-7.—**Concepción, I.** Infant mortality and nutrition of the mother. *Rev. filip. med.*, 1928, 19: 240-5.—**Deacon, W. J. V.** The influence of respiratory diseases on the infant mortality rate. *Michigan Pub. Health*, 1936, 24: 43-50, 4 ch.—**Ebbs, J. H., & Mulligan, P.** The incidence and mortality of breast- and artificially-fed infants admitted to hospital with infections. *Arch. Dis. Childh.*, Lond., 1942, 17: 217-9.—**Fatal accidents to infants in wartime.** *Statist. Bull. Metrop. Life Insur.*, 1942, 23: No. 11, 3-5.—**Gastrointestinal disease and infant mortality.** *J. Am. M. Ass.*, 1935, 105: 1445-7.—**Gaté, J., Dechaume, J.** [et al.] Contribution à la pathogénie de la mort rapide chez les nourrissons eczémateux. *C. rend. Soc. biol.*, 1929, 102: 777-9.—**Gini, C.** Sulla selettività delle cause di morte durante l'infanzia. *Metron*, Roma, 1933-34, 11: 163-83, 2 ch.—**Green, H. W.** An analysis of infant mortality by causes. *J. Prev. M.*, 1926-27, 1: 391-400.—**Haas, F. H. de.** Die Uebersterblichkeit der Knaben als Folge reccessiver geschlechtsgebundener Erbanlagen. *Zschr. menschl. Vererb.*, 1938-39, 22: 105-26.—**Iordănescu, Z.** [Mortality of infants due to early weaning] România med., 1928, 6: 64.—**[League of Nations inquiry on the causes of infantile mortality]** *Ned. mschr. geneesk.*, 1929-30, 16: 361-441.—**Lestocquoy, C.** Mortalité infantile et mauvais lait; les inféfaits de la pasteurisation. *Gaz. méd.*, 1927, 673-7.—**Lozano, A. R.** Sífilis y tuberculosis en relación con la mortalidad en el primer año de la vida. *Arch. españ. pediat.*, 1931, 15: 661-84. Also *Pediat. españ.*, 1931, 20: 401-27.—**Meier, E.** Eine internationale Enquête über die Ursachen der Säuglingssterblichkeit. *Arch. sozial. Hyg.*, 1926-27, n. F., 2: 512-9.—**Miller, F. J. W.** Analysis of 272 infant deaths. *Arch. Dis. Childh.*, Lond., 1942, 17: 61.—**Mortalidad (La)** de los niños en su relación con los cortos de café. *Bol. san. Guatemala*, 1938, 9: 547-9.—**Nardi, G. M.** Le cause della mortalità infantile in una inchiesta del dott. De Lieutaud nel 1776. *Prat. pediat.*, Milano, 1936, 14: 382-7.—**Nobécourt & Boulanger-Pilet, G.** Les morts subites ou imprévues chez les nourrissons. *J. méd. Paris*, 1929, 48: 1009; 1031. Also *Méd. inf.*, Par., 1929, 35: 258; 289; 321.—**Palmer, L.** Factors affecting the mortality in early infancy. *Kentucky M. J.*, 1934, 32: 123-30.—**Peiper, A.** Agone und Tod im frühen Säuglingsalter. *Deut. med. Wschr.*, 1933, 59: 119-21.—**Paundler, M.** Säuglingssterblichkeit und Erblichkeit. *Munch. med. Wschr.*, 1936, 83: 395-8.—**Plaschke, U.** Internationale Erhebung über die Ursachen der Säuglingssterblichkeit. *Gesundhfs. Kindesalt.*, 1926-27, 2: 433-44.—**Problema de mortalidad infantil en las fincas; los beneficios de café y su relación estrecha con tal problema; brillante plática científica de los Doctores Castillo y Vilanova.** *Bol. san. Guatemala*, 1938, 9: 532.—**Replon, H.** Die Ursachen der Frühsterblichkeit; eine Erhebung im rheinisch-westfälischen Industriegebiet. *Gesundhfs. Kindesalt.*, 1930, 5: 292-306.—**Rodríguez R., J. M.** Mortalidad infantil por causas congénitas. *Rev. san.*, Caracas, 1942, 7: 144-59.—**Rose, I.** Some dangers in the first month of life. *Postgrad. M. J.*, Lond., 1940, 16: 331-42.—**Rott, R.** Der Anteil der Verdauungskrankheiten an der Säuglingssterblichkeit. *Reichsgesundhbl.*, 1935, 10: 669.—**Saxl, O.** Ursachen der Frühsterblichkeit. *Mtschr. Kinderh.*, 1935-36, 64: 136-57.—**Schirmer, W.** Ueber den Einfluss geschlechtsgebundener Erbanlagen auf die Säuglingssterblichkeit. *Arch. Rassenb.*, 1928-29, 21: 353-93.—**Scott, G. D.** Factors in infant mortality. *Med. World*, 1940, 58: 19; 90. ——— Nutrition and conduct in longevity of children. *Ibid.*, 1941, 59: 331-4.—**Seibert, H. C.** Observations on the somatic constitution of mothers with and without infant mortality among their progeny. *Human Biol.*, 1940, 12: 232-46.—**Smith, R. M.** The important causes of infant mortality. *Child Health Bull.*, 1929, 5: 97-109.—**Sure, B.** The inefficiency of the lactating mother (*Mus norvegicus albinus*) to secrete vitamin B in the milk and the relation of such phenomenon to infant mortality. *Science*, 1927, 66: 265.—**Szél, T.** Statistik der Todesursachen des Säuglingsalters. *Verh. ungar. ärztl. Ges.*, 1929, 1: 43-6.—**Teichmann, E.** Die Sterblichkeit der Erstgeburt während des Säuglingsjahres. *Zbl. Gyn.*, 1931, 55: 1194-201.—**Vaternahm, T.** Wandlungen in der Todesursachengruppierung der Säuglingssterblichkeit. *Zschr. Hyg.*, 1932, 114: 302.—**Williams, J. E.** Infantile and maternal mortality in relation to nutrition. *Nature*, Lond., 1936, 137: 529-31.—**Yerushalmy, J.** Age of father and survival of offspring. *Human Biol.*, 1939, 11: 342-56.—**Ylppö, A.** Ueber die Mortalität und Pathologie der Frühgeburten und Neugeborenen. *Mtschr. Kinderh.*, 1937, 69: 407-15. ——— Verdauungsstörungen und Luftwegserkrankungen als Todesursache der Säuglinge. *Acta Soc. med. Duodecim*, 1939, 27: ser. B, No. 1, 1-7.

Causes: Climate and seasons.

ADRIAN-GONIN, M. *L'évolution de la mortalité estivale du nourrisson. 41p. 24½cm. Strasb., 1936.

BRAND, A. *Die Säuglingssterblichkeit in der Stadt Münster in den Jahren von 1900 bis 1929, mit besonderer Berücksichtigung der Witterungsverhältnisse [Münster] 30p. 8°. Bottrop, 1932.

BROD, W. M. *Der Rückgang des Sommergipfels der Säuglingssterblichkeit; eine statistische Betrachtung zur Entwicklung der Sommersäuglingssterblichkeit in der Kreishauptstadt Würzburg. 22p. 22½cm. Würzb., 1936.

Busch, E. Das Verschwinden des Sommergipfels der Säuglingssterblichkeit. *Gesundhfs. Kindesalt.*, 1932, 7: 249-74.—**Gottstein, A.** Neues vom Sommergipfel der Säuglingssterblichkeit. *Virchows Arch.*, 1935, 295: 343-65.—**Grulee, C. G., Sanford, N. H.** [et al.] Age and seasonal incidence in the morbidity and mortality of 20,000 infants in the first 9 months of life. *Am. J. Dis. Child.*, 1935, 49: 825.—**Iwasaki, T.** Infant mortality in relation to the climate of Japan. *Rep. Inst. Sc. Labour, Kurasaki*, 1934, No. 23, 1-18.—**Morrell, C. C.** Recent changes in the seasonal distribution of marriages and their effect upon the incidence of births and upon infantile mortality. *Congr. internat. popul.* (1937) 1938, 1. Congr., 5: 1-12.—**Risel, H.** Die Sommersterblichkeit in Leipzig. *Deut. med. Wschr.*, 1927, 53: 557.—**Yerushalmy, J.** Hour of birth and stillbirth and neonatal mortality rates. *Child Develop.*, 1938, 9: 373-8.

Causes: Medical factors.

See also names of specific causes as Cesarean section, etc.

DEUTSCH, W. *Primäre Kindersterblichkeit bei und nach Geburten in Hinterhauptslage. 48p. 8°. Berl., 1933.

GELTZ, F. *Ueber Frühsterblichkeit an bayerischen Gebäranstalten [München] 15p. 8°. Münch., 1929.

SPIEGELBURG, A. *Kindliche Mortalität bei poliklinischer Geburtshilfe. 33p. 23cm. Berl., 1939.

Bogges, S. R. The relationship of infant mortality to prenatal care. *Kentucky M. J.*, 1934, 32: 125-7.—**Coester, E.** Zur Kindersterblichkeit in den geburtshilflichen Kliniken. *Zbl. Gyn.*, 1933, 57: 2295-8.—**Duffield, T. J., & Weiner, L.** The use of vital records in the reduction of fetal, infant, and maternal mortality; operative procedures for delivery and their effects on neonatal and maternal mortality. *Am. J. Pub. Health*, 1942, 32: 803-10.—**Eckstein-Schlossmann, E.** Zur Frage des Hospitalismus in Säuglingsanstalten. *Zschr. Kinderh.*, 1926, 42: 31-8.—**Hohlfeld, M.** Die Sterblichkeit der Krippenkinder. *Jahrb. Kinderh.*, 1930, 3. F., 77: 212-20.—**Horváth, K.** [Influence of active obstetrical management upon fetal and neonatal mortality] *Orvosképzés*, 1937, 27: 712-21.—**Lehmann, H.** Proletun und Knabenübersterblichkeit. *Zbl. Gyn.*, 1939, 63: 2505-7.—**Lewis, D. M.** The medical factors in infant mortality. *Med. Rec.*, N. Y., 1935, 142: 27; 66.—**Polano, O.** Was lehrt die Frühsterblichkeitsstatistik der bayerischen Gebäranstalten? *Munch. med. Wschr.*, 1930, 77: 1140-3.—**Poletti, P.** La mortalità infantile nel primo biennio di vita in un reparto ospedaliero. *Pediat. med. prat.*, Tor., 1935, 13: 483-7.—**Pritzi, O.** Kindersterblichkeit bei Geburten und Zangenanwendung. *Arch. Gyn.*, Berl., 1926-27, 129: 592-609.—**Zeeca, E.** Alcune considerazioni sulla mortalità infantile per disturbi della nutrizione in ambiente ospedaliero. *Pediatrica (Riv.)*, 1938, 46: 621-7.

Causes: Social, economic, and racial factors.

ALEXANDER, K. E. *Untersuchungen über den Anteil der Frühgeburtensterblichkeit an der Frühsterblichkeit der Säuglinge und Ursache der Frühgeburt und sozialer Lage der Mutter [Freiburg] 36p. 21½cm. Seyer, 1937.

CSILLAG, I. *Statistische Untersuchungen über die Höhe und Ursachen der Säuglingssterblichkeit in verschiedenen sozialen Gruppen [Frankfurt] 27p. 8°. Debrecen, 1927.

GREEN, H. W. Infant mortality and economic status, Cleveland five-city area [1919-37] 123p. 28cm. [Clevel.] 1939.

HAGUENAUER-BRUM, T. *Der Einfluss des Weltkrieges auf die Geburtenzahl und die Säuglingssterblichkeit. 7p. 8°. Zür., 1924.

KOCH-SCHWALBE, A. *Ueber die Säuglingssterblichkeit der Unehelichen in Berlin im Jahre 1922-23 [Berlin] 15p. 8°. [Berl.] 1927.

- Aiello, G., & Pezza, E. L'alimentazione e l'ambiente rurale nel determinismo della mortalità infantile. Difesa sociale, 1937, 16: 792-802.—Bellows, M. T., & Reed, L. J. Effect of certain environmental factors on urban infant mortality rates. Am. J. Hyg., 1934, 20: 565-73.—Cacace, E. I fattori dell'ambiente fisico e sociale della mortalità infantile. Prat. pediat., Milano, 1937, 15: 147-9.—Capellini, A. La mortalità e la morbidità infantile nel primo biennio di vita in rapporto alla professione dei genitori. Med. lavoro, 1939, 30: 313; 347.—Carelli, A. Di alcuni fattori sociali della mortalità infantile. Difesa sociale, 1927, 6: No. 6, 4-15.—Causes of infant mortality in relation to nationality of mothers. Statist. Bull. Metrop. Life Insur., 1935, 16: No. 8, 6-9.—Dashfield, A. M. The influence of racial factors on infant mortality in Texas. Texas J. M., 1941-42, 37: 738-40.—Frontali, G. Mortalità infantile in generale e nelle famiglie numerose. Minerva med., Tor., 1937, 28: pt 2, 541-4. — I fattori della mortalità infantile nelle città e nelle zone rurali del Padovano; mortalità infantile nelle famiglie numerose. Pediatra (Riv.) 1937, 45: 1093.—Hofbauer, A. Säuglingssterblichkeit und soziale Lage. Deut. med. Wschr., 1933, 59: 1536-8; 1935, 61: 311. Also Zschr. Gesundheitsverw., 1933, 4: 78-80.—Kaplan, A. D. H. Infant mortality as an index of community welfare. Trained Nurse, 1933, 90: 241-7.—Lemière, G. La mortalité infantile dans ses rapports avec la situation sociale de la mère. J. se. méd. Lille, 1922, 40: 97; 117; 137; 161.—Lesage & Moine. Influence comparée du milieu familial sur la mortalité infantile, à Paris, en France et en Angleterre. Bull. Acad. méd., Par., 1940, 123: 951-60.—Lewis, J. H. Infant mortality. In his Biol. Negro, Chic., 1942, 17.—Lyon, G. M. Infant mortality, a sensitive index of social welfare. West Virginia M. J., 1933, 29: 365-72.—Maciotta, G. Fattori fisici e sociali della mortalità nel 1. biennio di vita. Clin. pediat., Mod., 1938, 20: 1; 77.—McKinley, P. L. Infant mortality and economic status. Lancet, Lond., 1928, 2: 938-40.—Martín Yumar, D., & Huertas Múgica, E. La mortalidad infantil en el ambiente rural. Rev. san., Madr., 1933, 8: pt 2, 470-85.—Montegrosso, G. Considerazioni sulla mortalità infantile in rapporto alla professione dei genitori. Pediat. med. prat., Tor., 1938, 13: 609-13.—Muraz. Vie de la femme noire africaine et survie de son nourrisson. Presse méd., 1938, 46: 1586-8.—Poverty and infant mortality in Belfast. Ulster M. J., 1938, 7: 99-104.—Reploh, L. Die Säuglingssterblichkeit in der Stadt Essen unter besonderer Berücksichtigung sozialer Verhältnisse. Arch. Hyg., Münch., 1937-38, 119: 297-310.—Seiffert, G. Säuglingssterblichkeit bei Familien verschiedener Volksstämme. Gesundheitsf. Kindesalt., 1928, 3: 3-12. — & Oettl, A. Beziehungen zwischen Säuglingssterblichkeit und Rasse. Arch. Rassenb., 1927, 19: 257-300.—Tarugi, P. Il fattore sociale della mortalità infantile. Pediat. med. prat., Tor., 1937, 12: 487-504.—Wiese, C. Die höhere Sterblichkeit der unehelichen Säuglinge in Berlin. Gesundheitsf. Kindesalt., 1925-26, 1: 439-46.
- **Prevention.**
- AMERICAN ACADEMY OF MEDICINE. Prevention of infant mortality. 347p. 24cm. [Easton, 1909]
- BERNSEE, H. Kampf dem Säuglingstod. 136p. 25cm. Münch. [1938]
- EPSTEIN, E. *Les variations de la mortalité infantile à Soissons avant et après la création d'un Service médico-social polyvalent; décès évitables. 44p. 24cm. Par., 1939.
- GREAT BRITAIN. NATIONAL ASSOCIATION FOR THE PREVENTION OF INFANT MORTALITY. Mothercraft. 4. ed. 358p. 8°. Lond., 1924.
- HAIMOVICI, M. *Dénatalité, morbidité et mortalité infantiles rurales et moyens de les combattre. 88p. 25½cm. Nancy, 1935.
- SCHJØTZ, C. Eine Darstellung und kritische Bewertung der Ursachen des Rückganges der Säuglingssterblichkeit in Norwegen. 133p. 8°. Upps., 1934.
- WAYNBAUM, M. *Les maisons maternelles; leur rôle dans la lutte contre la mortalité infantile et l'abandon des enfants. 52p. 8°. Par., 1928.
- Alfieri, E. Il contributo dell'ostetrico nella lotta contro la mortalità infantile. Arte ostet., 1939, 42: 1-6.—B., A. The physician's share. Bull. san., Montréal, 1939, 39: 67.—Baccino, M. Une arme nouvelle individuelle contre la mortalité infantile (Réau social) le berceau isotherme. Ann. hyg., Par., 1933, n. ser., 11: 43-54.—Bakwin, H. The sex factor in infant mortality. Human Biol., 1929, 1: 90-116. — & Bakwin, R. M. The importance of medical supervision during early infancy on the infant death rate. N. York State J. M., 1935, 35: 313-6.—Bekämpfung der Säuglingssterblichkeit durch Blutübertragung. Aerztehl. Hessen, 1940, 8: 90.—Bellei, A. La lotta contro la mortalità del lattante per enterite e la propaganda per l'allattamento materno. Difesa sociale, 1938, 17: 377-91.—Bennett, V. E. M. Modern methods of preventing infant mortality. Med. Press & Circ., Lond., 1936, 193: 370-3.—Bielek, T. [The control of infant mortality and the pediatric wards of hospitals]. Népegészségügy, 1940, 21: 1468-79.—Bolt, R. A. Municipal expenditures for public health in cities of the United States of 70,000 population and over for the year 1923 in relation to their infant mortality rates. Am. J. Hyg., 1930, 11: 601-18.—Brennemann, J. Prevention and treatment of neo-natal morbidity and mortality. Illinois M. J., 1928, 54: 452-61.—Buchanan, E. B. Dividends payable in life and health. Bull. Acad. M. Cleveland, 1940, 25: No. 8, 9.—Bundesesen, H. N., Fishbein, W. I. [et al.] Factors responsible for failure further to reduce infant mortality. J. Am. M. Ass., 1937, 109: 337-43.—Carreño, A. Lucha contra la mortalidad infantil en el medio rural y en el campo. Actual. méd., Granada, 1940, 16: 476-9.—Cassie, E. Preventive measures against infant mortality from diseases of nutrition. Med. Off., Lond., 1938, 59: 35-7.—Cocchi, C. Progressi nella lotta contro la mortalità infantile. Difesa sociale, 1940, 19: 171-82.—Comin, G. A proposito del contributo dell'ostetrico nella lotta contro la mortalità infantile. Arte ostet., 1939, 42: 65-8.—Declines in infant mortality from the principal causes of death. Statist. Bull. Metrop. Life Insur., 1939, 20: No. 7, 6-8.—Dejage, L. Mesures législatives à étudier pour combattre la dépopulation et la mortalité infantile. Mouvement hyg., Brux., 1911, 27: 28-32.—D'Elia, E. Natalità, natalità e mortalità nei primi periodi di vita. Difesa sociale, 1939, 18: 105-17.—Douglas, V. A. Lowering the infant mortality rate. Northwest M., 1931, 30: 96-8.—Duncan, C. H. Obvious methods of reducing infant mortality. Ind. M. Rec., 1932, 52: 68-74. — The reduction of infant mortality. Ibid., 1938, 58: 35.—Federhen, L. Ueber die Frühsterblichkeit der Säuglinge und ihre Bekämpfung. Gesundheitsf. Kindesalt., 1930, 5: 402-34.—Fermoselle Bacardi, J. Contralor pre-natal y encuesta sobre mortalidad infantil. Rev. méd., San José, 1937-38, 5: 60-9. — Trabajo de la Unidad Sanitaria de la Unión y Curridabat; contralor pre-natal y encuesta sobre mortalidad infantil (nota previa) Bol. san. Guatemala, 1938, 9: 425-9.—Freund, W. Der Rückgang der Breslauer Säuglingssterblichkeit im Lichte der Rott'schen Lehre von den drei Senkungsperioden. Gesundheitsf. Kindesalt., 1928, 3: 131-40.—Gautier, P., & Thévenod, A. La lutte contre la mortalité des nourrissons en Suisse. Nourrisson, 1929, 17: 277-87.—Harper, M. Causation and prevention of mortality during the first month of life. Med. J. Australia, 1926, 1: 207-11.—Hess. Die Sterblichkeit in den ersten Lebenswochen und Massnahmen zu ihrer Bekämpfung. Bl. Gesundheitsf., 1925-26, 3: 130-8.—Holland, D. F. The League of Nations' investigation of infant mortality. Child Health Bull., 1929, 5: 167-73. — & Palmer, G. T. Improving the value of the infant mortality rate as an index of public health effort. Am. J. Dis. Child., 1928, 36: 1237-49.—Jalb, I. [On the control of infantile mortality in rural districts]. România med., 1938, 16: 151.—Janifer, C. S. The Negro infant mortality rate and what the well-baby clinics are doing to lower it. J. Nat. M. Ass., Newark, 1931, 23: 168. — A study of the Negro infant mortality rate and what the well-baby clinics are doing to lower it. J. M. Soc. N. Jersey, 1932, 29: 932-5.—Joannon, P. Contrôle du lait et mortalité infantile. J. méd. fr., 1932, 21: 414-24.—Kassebohm, F. A., & Schreiber, M. J. Controllable elements in infant mortality. N. York State J. M., 1938, 38: 1165-8.—Kollmann, A. Ueber Frühsterblichkeit und ihre Bekämpfung. Off. Gesundheitsdienst, 1939-40, 5: B. 113-22.—Krafft, H. C. Rôle médico-social du gynécologue dans l'offensive de la vie. Helvet. med. acta, 1942, 9: 217-20.—Laurinsich, A. La lotta contro la mortalità infantile. Pediatra (Riv.) 1937, 45: 289-304.—Let us save our infants; an appeal to mothers. Bull. san., Montréal, 1910, 10: 34-41.—Levy, J. New Jersey's new low infant-maternal mortality rates. Pub. Health News, Trenton, 1938, 22: 343-7.—McKinley, P. L. The decline in infant mortality. J. Hyg., Camb., 1927-28, 27: 424-37.—Magni, S. Contributo alla conoscenza della mortalità infantile nei primi due anni di vita e modo di prevenirla nella Provincia di Pistoia. Riv. osp., 1938, 28: 555.—Matias, M. Y., & Gan, T. M. Effect of medical supervision on infant mortality in a rural community. J. Philippine Islands M. Ass., 1939, 19: 549-54.—Matthias. Herabminderung der Säuglingssterblichkeit. Gesundheitsf. Kindesalt., 1926-27, 2: 371-8.—Moine. La lutte contre la mortalité infantile est un facteur important du problème de la dépopulation. J. méd. Paris, 1940, 60: 203. Also Méd. inf., Par., 1940, 47: 2-9.—Monrad, S. [Prevention of diseases and mortality among infants] Hospitalstidende, 1936, 79: [København med. selsk. forh.] 27-35.—Muggia, A. Influenza dell'eugenica sulla nati e neonati mortalità nel primo anno di vita. Lattante, 1938, 9: 27-32.—Nadeau, E. The importance, from a national point of view, of reducing our infant death rate. Canad. Pub. Health J., 1931, 22: 551-3.—Niblack, H. C. Reducing infant mortality. Illinois M. J., 1937, 71: 109-15.—Nybølle, H. C. On an attempt to reduce infant mortality in Denmark. J. Am. Statist. Ass., 1937, 32: 489-508.—Ortolani, M. La mortalità infantile e l'assistenza ospedaliera. Lattante, 1939, 10: 487-9.—Osinup, G. S. The reduction of infant mortality. J. Florida M. Ass., 1933, 20: 263.—Peiris, W. S. J. Child welfare and infant mortality. J. Ceylon Br. M. Ass., 1925, 22: 133-52.—Peller, S. Erfordert die Bekämpfung der prä-, intra- und postnatalen Sterblichkeit medizinische oder sozialmedizinische Reformen? Zbl. Gyn., 1931, 55: 268-75.—Petragnani, G. Per diminuire la mortalità infantile. Clin. pediat., Mod., 1939, 21: 225-32.—Pincherle, M. I capisaldi

più concreti e fattivi della prevenzione nazionale sociale della mortalità infantile. Pensiero med., 1937, 26: 340-4.—**Plaňanský, K.** Potřebujeme dobrý vnitřní populační politiky. Lek. vojsk., 1941, 34: 161.—**Potter, E. L.** The Chicago plan for the reduction of infant mortality. N. York State J. M., 1941, 41: 2047-51.—**Recommendations** for reducing neonatal mortality in Westchester County. Westchester M. Bull., 1941, 9: No. 5, 7.—**Rommel, O.** Praktische Vorschläge zur Bekämpfung der Frühsterblichkeit. Münch. med. Wschr., 1937, 84: 1692-4.—**Rott, F.** Der Rückgang der Säuglingssterblichkeit. Erg. sozial Hyg., 1929, 1: 85-134. — Misure di protezione contro la mortalità dei lattanti per malattie della nutrizione. Med. inf., Roma, 1938, 9: 180-91.—**Salud, E. B.** Puericulture center organization and its role in the reduction of infant mortality. Rev. filip. med., 1928, 14: 223-6.—**Schmidt, W. T.** Herabsetzung der Säuglingssterblichkeit. Med. Welt, 1929, 3: 252.—**Schoedel, J.** Zur Verhütung der Frühsterblichkeit: eine dringliche Aufgabe der Entbindungsanstalten. Zbl. Gyn., 1929, 53: 2002-6. — Bedeutung und Bekämpfung der Frühsterblichkeit. Veröff. Medverwalt., 1930-31, 33: 557-79.—**Seibert, H.** The progress of ideas regarding the causation and control of infant mortality. Bull. Hist. M., 1940, 8: 546-98.—**Spolverini, L.** Sulla necessità di diminuire la mortalità infantile. Difesa sociale, 1934, 13: 306-13.—**Still, F.** Reduction of infant mortality. Brit. Encycl. M. Pract. (Rolleston, H.) 1939, Surveys, 37-42.—**Stuart, H. C.** Mortality among infants and children and progress in reduction of rates from certain causes. J. Pediat., S. Louis, 1939, 15: 266-76.—**Tonney, F. O.** Babies shouldn't die; the doctor's armchair stories. Hygeia, Chic., 1938, 16: 737-9.—**Tweed, M. B. M.** Massnahmen zur Verminderung der Säuglingssterblichkeit in Neu-Seeland. Off. Gesundheitsdienst, 1937-38, 3: B, 48-52.—**Tzimbal, M.** [Influence of medical consultation on the course of infant mortality.] Profil. med., Kharkov, 1927, 6: 53-60.—**Winslow, C. E. A., & Holland, D. F.** The influence of certain public health procedures upon infant mortality. Human Biol., 1937, 9: 133-74.

Statistics.

ALBA PÉREZ, A. *Contribution à l'étude des rapports entre la natalité et la mortalité infantile. 45p. 24cm. Par., 1939.

BOURSAULT, B. *Contribution à l'étude de la mortalité et de la mortalité des enfants de multiples. 30p. 24cm. Par., 1939.

Bergamini, M. Resoconto sui risultati dell'inchiesta sulla mortalità infantile nel I. biennio di vita e sul come diminuirla. Lattante, 1939, 10: 120-34.—**Birthing, deaths and infant mortality** in 42 large cities of the world during 1931. Statist. Bull. Metrop. Life Insur., 1932, 13: 1-4.—**Chaddock, R. E.** Significance of infant mortality rates for small geographic areas. J. Am. Statist. Ass., 1934, n. ser., 29: 243-9.—**Comparisons of infant mortality.** J. Am. M. Ass., 1938, 111: 1386.—**Derryberry, M., & Van Buskirk, E.** The significance of infant mortality rates. Pub. Health Rep., Wash., 1936, 51, 18: 545-51.—**Dezeo, P. O.** Metodo critico della mortalità infantile. Policlin. inf., Tor., 1939, 7: 315. — Nuevo índice biomédico de mortalidad infantil. In Libro de oro M. R. Castex, B. Air., 1940, 1: 322-31.—**Dorn, H. F.** Changes in infant and child mortality rates. In Annals (Am. Acad. Polit. Social Sc.) 1940, Nov., 32-7.—**Hark, B.** A study of the neonatal mortality at the Jewish Hospital (Philadelphia) a 10-year study. West. J. Surg., 1942, 50: 258-61.—**Hibbs, H. H., Jr.** The mother and infant mortality. Pub. Am. Statist. Ass., 1916, 15: 66-79.—**Höjer, J. A.** Ueber die ungleichförmige Verminderung der Säuglingsmortalität in gewissen Ländern und deren Ursache. Acta paediat., Upps., 1932, 13: 238-43.—**Holmes, S. J., & Mentzer, V. P.** Changes in the sex ratio in infant mortality according to age. Human Biol., 1931, 3: 560-76.—**Hutchins, B. L.** Infantile mortality and the proportion of the sexes. J. R. Statist. Soc., Lond., 1914, 77: 84-6.—**Ichok, G.** La natalité et la mortalité infantile dans les colonies françaises. Paris méd., 1938, 108: 364-7.—**Infant mortality** for specified countries. In Fact. Data M. Econom. (Am. M. Ass.) Chic., 1940, 81.—**Infant mortality** per 1,000 living births, 1930-32. Rapp. épidém., Genève, 1930, 9: 471; 1931, 10: 31; 76; passim; 1932, 11: 38.—**Infant mortality** rates adjusted for residence. Week. Bull. California Dep. Pub. Health, 1937-38, 16: 29.—**Kaplan, A. D. H.** Significance of infant mortality data in appraisal of an urban community. Am. J. Pub. Health, 1932, 22: 1037.—**Levy, J.** The status of maternal and infant mortality, report of the committee. Tr. Am. Child Health Ass., 1929, 6: 115-24.—**Mackenzie, L. L.** Studies of the Special Committee on Infant Mortality. New York M. Week., 1940, 19: No. 30, 4.—**McKinlay, P. L.** Some statistical aspects of infant mortality. J. Hyg., Camb., 1928-29, 28: 394-417.—**Manuila, S.** L'aspect statistique de la mortalité infantile. Bull. Acad. méd., Par., 1940, 123: 518-22.—**Nobécourt, P.** La mortalité suivant le sexe dans l'enfance et la jeunesse. Bull. Acad. méd., Par., 1940, 123: 518-22.—**Nogue & Adam.** La mortalité et la mortalité infantile dans les colonies françaises. Rapp. Congr. san. pub., Marseille, 1922, 3. Congr., 418-47.—**Palmer, G. T.** Infant mortality in 1922. Mother & Child, 1923, 4: 357-60.—**Popoviciu, G.** [Infantile mortality according to sex; relation to vitamins.] Cluj, med., 1935, 16: 563-8.—**Rott, F.** Grundsätze für die internationale

Vereinheitlichung der Säuglingssterblichkeitsstatistik. Arch. sozial. Hyg., 1925-26, n. F., 1: 177-84.—**Schlossmann, A.** Ueber eine auffallende Altersverschiebung in der Lebensgefährdung der Säuglinge. Klin. Wschr., 1927, 6: 1248-51.—**Schmincke, R.** Statistische Untersuchungen über die Frühsterblichkeit. Gesundheitsf. Kindesalt., 1931, 6: 41-8.—**Sexe, enfance et mortalité.** Praxis, Bern, 1941, 30: 754.—**Statistica della mortalità dei bambini.** Gior. farm. chim., 1866, 15: 381.—**Wyllie, J.** Sex differences in infant mortality. Canad. Pub. Health J., 1933, 24: 177-85.

Statistics: Africa.

RUSCHDI, A. *Ueber Säuglingssterblichkeit in Aegypten und ihre Bekämpfung [Berlin] 25p. 8°. Charlottenb., 1925.

Child mortality in Egypt. J. Am. M. Ass., 1943, 121: 614.—**Damas Móra, A.** A mortalidade infantil de brancos e indígenas nas colônias de Angola e Moçambique. Impr. med., Rio, 1941, 17: No. 331, 135-44.—**Maass, E. W. H.** Notes on the infant mortality rate among an indigenous tribe in the Liberian Hinterland. West. Afr. M. J., 1929-30, 3: 34-6.—**Whitbourne, D.** Notes on the infantile mortality of the Colony of Lagos, Nigeria. Ibid., 1930, 4: 3; 39.

Statistics: America.

See also subheading Statistics: United States.

ANTUNES, I. *Mortalidade infantil em Curitiba [Paraná] 68p. 23cm. [Curitiba] 1939.

Almenar, E. Breve comentario sobre mortalidad infantil. Bol. Min. san., Caracas, 1937-38, 2: 1024-8, graph., map, ch.—**Balcázar, V. R.** Demografía infantil del partido de Las Conchas de 1935 a 1939; la acción social durante el año 1940. Sem. méd., B. Air., 1941, 48: pt 1, 597-605.—**Barreto, J. B., & Jansen de Mello, E.** Quelques aspects des enquêtes sur la mortalité infantile dans huit districts du Brésil. Bol. Inst. protec. inf., Montev., 1930-31, 4: 500-34.—**Bettinotti, S. I.** La morbilidad y la mortalidad entre los hijos de las dadoras del Lactario. Arch. argent. pediat., 1941, 15: 494-6.—**Bonnier, J. W.** Quelques chiffres officiels sur la mortalité infantile dans la province de Québec. Bull. san., Montréal, 1910, 10: 145-51.—**Calafange, A.** A mortalidade infantil em Natal. An. Soc. med. cir. Rio Grande do Norte, 1941, 3: No. 5, 23-54.—**Carrillo, R.** Natalidad y mortalidad infantil. Rev. mex. puericult., 1933-34, 4: 692-6.—**Chattas, A.** La morbi-mortalidad infantil en la ciudad de Córdoba, Rep. Argentina. Tr. Congr. argent. med. gremial (1936) 1937, 2. Congr., 133-48.—**Cometto, C. S.** Natalidad y mortalidad infantil de la Provincia de Buenos Aires, comparada con la de su Capital. Arch. lat. amer. pediat., B. Air., 1928, 3, ser., 22: 1-19.—**Dezeo, P. O.** Estimación de la mortalidad infantil del país según nuestro criterio; quinquenio 1930-35. Sem. méd., B. Air., 1941, 48: 24-6.—**Encuesta de la mortalidad infantil en Sur América.** Bol. Of. san. panamer., 1940, 19: 932.—**Fermoselle Bacardi, J.** La unidad sanitaria frente a la mortalidad infantil. Ibid., 1942, 21: 431-9.—**García, E. L.** Porqué mueren los niños en Lima. Crón. méd., Lima, 1939, 56: 99-105.—**Kuon Cabello, G.** El problema infantil de Tacna. Ibid., 1942, 59: 213; passim.—**Lacerda, C.** Mortalidade infantil, causas e meios de combate em Santos. Mem. Congr. med. (Brazil) 1936, 1. Congr., 329-38.—**Lopera L., B.** El problema de la mortalidad infantil en Colombia. Rev. colomb. pediat., 1942, 2: 61-6.—**Lorenzo y Deal, J.** Tres gráficas de mortalidad infantil en el Uruguay. Arch. pediat. Uruguay, 1940, 11: 544; 14: 90.—**Luque, P. L.** El criterio regional en la apreciación de la mortalidad infantil. Bol. Dep. hig. Prov. Córdoba, 1941-42, 1: No. 4, 21-7.—**Macphail, E. S.** Infant mortality as shown by Canadian vital statistics. Am. J. Pub. Health, 1927, 17: 476-84.—**Menchaca, F. J.** La mortalidad de 0 a 1 año en la ciudad de Santa Fé. Actas Congr. nac. med., Rosario, 1934, 5: pt 4, 1304-28.—**Michalup Hamón, E.** Algunos datos sobre la mortalidad infantil en Venezuela. Arch. venezol. puericult., 1942, 4: 648-64.—**Miléo, J. N.** A mortalidade infantil na região do Vale do Paraíba. Arq. hig., S. Paulo, 1940, 5: No. 10, 87-97.—**Morbidity and mortality** infantil; Servicio de niños del Hospital Pereira Rossell, 1908-18. An. Fac. med., Montev., 1920, 5: Suppl., 189-204.—**Mortalidade (A) infantil em São Paulo—problema sanitário ou político?** Impr. med., Rio, 1941, 17: No. 330, 136-8.—**Parreiras, D.** Estudos e considerações sobre a mortalidade de 0 a 1 anno, no Município de São Gonçalo (Naves) em 1928. Ann. Congr. brasil. hyg., 1929, 5. Congr., 2: 479-84, 2 ch.—**Paso, J. R., & Zauchinger, A.** Evolución de la vivinatalidad, nacidos vivos, y de la mortalidad infantil, menores de un año, en la república Argentina durante el período 1911-35. Bol. san., B. Air., 1937, 1: No. 11, 757-63. — Mortalidad por sexos y grupos de edades en el primer año de vida. Ibid., No. 12, 823-7.—**Mortalidad infantil estacional en la República Argentina.** Ibid., 1938, 2: 241-6, tab.—**Pequegnat, L. A.** The present problem in infant mortality. Canad. Pub. Health J., 1938, 29: 477-83.—**Pinero García, P. P.** Mortalidad infantil de 1 a 30 días en Rosario (años 1900-25) Sem. méd., B. Air., 1927, 34: pt 2, 1586-612. — Mortalidad infantil de 1 a 6 meses en Rosario (1900-25) Ibid., 1928, 35: 392-413. — Mortalidad infantil de 6 a 12 meses en Rosario 1900-25. Ibid., 1929, 36: pt 2, 80-102. — Mortalidad infantil de 0 a 12 meses en Rosario de Santa Fé (1900-25) Ibid., 1931, 38: 65-

97.—**Portugal, A.** Mortalidade infantil na Cidade do Rio de Janeiro, 1891-94. Mem. Congr. méd. panamer. (1896) 1898, 2. Congr., 2: 719-34.—**Ramires, A.** Mortalidade infantil. An. Soc. med. cir. Rio Grande do Norte, 1940, 2: No. 3, 21-8.—**Resumen** de la mortalidad infantil, menos de un año mensual ocurrida en Caracas durante el año de 1936, y clasificadas por sexo, causas de muerte y mes. In Memoria (Venezuela Min. san.) Caracas, 1937, tab. opp. p. 56.—**Ruesta, S.** La mortalidad infantil en Barquisimeto durante el año 1938. Bol. Min. san., Caracas, 1939, 4: No. 5, 75-81.—**Salcedo, M.** Mortalidad infantil. Crón. méd., Lima, 1942, 59: 181-6.—**Sylvain, Y. G.** Mortalité infantile en Haïti; essai de statistique tiré des registres journaliers du Service de maternité et de pédiatrie de l'Hôpital général de Port-au-Prince. Bol. Of. san. panamer., 1941, 20: 1107-11.—**Valenzuela Hernández, U.** Mortalidad infantil de Lima en el quinquenio 1935-39. Crón. méd., Lima, 1941, 58: 252-6; passim.—**Vilaca, M.** Mortalidade pre-natal, mortalidade e mortalidade infantil em Natal. An. Soc. med. cir. Rio Grande do Norte, 1941, 3: No. 5, 55-62.—Mortalidade pre-natal, mortalidade e mortalidade infantil em Natal; contribuição ao seu estudo. Impr. med., Rio, 1941, 17: No. 329, 109-11.—**W.** Kindersterblichkeit und allgemeine Sterblichkeit in Buenos Aires. Schweiz. med. Wschr., 1940, 70: 1112.

Statistics: Asia and Australia.

— **Bosma, M. J.** [Comparative statistics on infant mortality at Batavia and Medan]. Geneesk. tschr. Ned. Indië, 1941, 81: 1582-608.—**Camomol, C.** Infant mortality in 3 municipalities in 12 years, from 1917 to 1928. J. Philippine Islands M. Ass., 1929, 9: 397-402.—Infant mortality in Cebu Province from 1916 to 1932 compared with that in the entire Philippine Islands from 1914 to 1932. Ibid., 1935, 15: 362-70.—**Chang, T. S., Lai, D. G., & Chu, H. J.** A note on the infant mortality rate in Kao-Chiao, Shanghai. Chin. M. J., 1936, 50: 581.—**Chatterji, A. C.** Infant mortality in districts. Bengal Pub. Health Rep. (1939) 1941, 30: 3.—**Cross, B.** A short investigation of infantile mortality and child welfare on estates in Kedah. J. Malaya Brit. M. Ass., 1940, 4: 141-63.—**Cruz, F. Z.** Infant mortality in the Philippines: its present status and the general death rate. J. Philippine Islands M. Ass., 1935, 15: 479-88.—Infant mortality in the City of Manila. Ibid., 1937, 17: 211-9, 2 ch.—**Exley, H. J.** Infantile mortality in Australia, 1906-30. J. R. Statist. Soc., Lond., 1932, 95: 684.—**Goco, E.** A study of the causes of infant mortality in one of the provinces of the Philippines. Rev. Filip. med., 1928, 19: 231-9.—**Haas, J. H. de** [Mortality among Indo-European infants in the Dutch West Indies in 1929-31]. Geneesk. tschr. Ned. Indië, 1933, 73: 727-57. Also Mschr. kindergeneesk., 1933, 3: 1-17.—[Death rate among infants in Batavia in 1934]. Geneesk. tschr. Ned. Indië, 1936, 76: 2186-203.—[Infant mortality in Batavia, 1935-36]. Ibid., 1938, 78: 1467-512. Also Mschr. kindergeneesk., 1938-39, 7: 421-39. Also Ind. J. Pediatr., 1939, 6: 12-45, tab.—**Hsu, S. C., & Wang, T. H.** A study of infant mortality in Nanking. Chin. M. J., 1936, 50: 573-80.—Infant mortality in South Australia. J. Am. M. Ass., 1938, 110: 1764.—Infant mortality in the antipodes. Lancet, Lond., 1934, 2: 1293.—Infant mortality rate declines radically from level of 1904. Filip. Nurse, 1933, 7: 25.—**Kapur, R.** Infant mortality in India. Antisepsie, Madras, 1929, 26: 149-52.—**Liem Tjaj Tie & Haas, J. H. de** [On the infant mortality in certain subdistricts of the Sikimalaja Regency (West Java) in 1935, 1936 and 1937]. Geneesk. tschr. Ned. Indië, 1939, 79: 2315-38.—[Infant mortality among the Chinese inhabitants of Batavia in 1935, 1936 and 1937]. Ibid., 898-927.—**Morgan, E. S.** Infantile mortality in New South Wales, 1875-1935. Rep. Dir. Pub. Health N. S. Wales (1935) 1937, 44.—Mortality and sickness among infants. Lancet, Lond., 1941, 2: 809.—**Muktha Bai, B.** Infant mortality in India. Ind. M. Gaz., 1939, 74: 354-60.—**Padua, R. G.** A preliminary study on the variations of the infant mortality and its relation to the crude death-rates in the rural districts of the Philippines. Month. Bull. Philippine Health Serv., 1927, 7: 471-6. Also Rev. Filip. med., 1928, 19: 258-66.—Record low infant mortality rate in Adelaide. J. Am. M. Ass., 1937, 109: 1055.—**Satomi, K.** Ueber die Sterblichkeitsverhältnisse der Säuglingen neuerdings in der Stadt Osaka. Acta paediat. jap., 1937, 43: 32 (Abstr.).—**Suzuki, T.** Special causes of infant mortality in Dairen. Polylin. Dairen, 1924-26, 2: No. 8, 1-7.—**Yang, M., & Yuan, I. C.** Report of an investigation on infant mortality and its causes in Peiping. China M. J., 1933, 47: 597-604.—**Yosioka, Y.** Infant mortality in Japan. Japan M. World, 1929, 9: 12-8.

Statistics: Europe.

— **ABDEL GHANI KHATIB.** *Considérations sur la mortalité infantile 0 à 1 an en Suisse et à l'étranger. 36p. 8°. Lausanne, 1932.
— **HOPHAN, A.** *Die Säuglingssterblichkeit im Kanton Glarus in den Jahren 1876-1930 [Zürich] 47p. 8°. Nafels, 1932.
— **TAYARA, S.** *Considérations sur la mortalité infantile en Suisse et à l'étranger. 31p. 8°. Lausanne, 1932.

— **WULFAHRT, R.** *Die Säuglingssterblichkeit in Basel von 1870 bis 1925 [Basel] 33p. 8°. Zür., 1927.

[Cyprus] Population, taux de natalité, mortalité générale et mortalité infantile; années 1937 et 1938. Bull. Off. internat. hyg. pub., Par., 1940, 32: 583.—**Homenaje a la Niñez en Huesca**; 12 de agosto de 1925. Med. niños, 1925, 26: 257; 292.—**Kaporas, B.** [Statistics of the mortality of infants in Vilijampol (Lithuania)] Medicina, Kaunas, 1930, 11: 516-58.—**Loste, L.** La mortalidad infantil en Jaca. Med. niños, 1925, 26: 161-71.—**Mortalité générale et mortalité des nourrissons au cours de l'année 1930** (England and Wales, France, Switzerland) Bull. Off. internat. hyg. pub., Par., 1933, 25: 1793-8.—**Mortalité générale et mortalité des nourrissons (0-1 an) au cours de l'année 1930** (Hongrie) Ibid., 2140.—[Netherlands] Mortalité infantile, mortalité générale et par des différentes catégories d'âge dans la mortalité générale (années 1923 à 1932) Ibid., 1934, 26: 1099.—**Pohlen, K.** Die Ursachen des Säuglingssterbens in Griechenland. Deut. med. Wschr., 1936, 62: 1139.—**Popoviciu, G.** Les variations de la mortalité infantile en Roumanie, selon les sexes, les saisons et la situation géographique; ses relations avec le métabolisme minéral et les vitamines. Acta paediat., Upps., 1938, 22: 441.—**Preisich, K.** [Infant mortality in Csepel] Gyógyászat, 1934, 74: 673-6.—**Stefanoff, T., & Pohlen, K.** Probleme der bulgarischen Frühersterblichkeit. Oeff. Gesundheitsdienst, 1936-37, 2: A, 557-60.—**Szél, T.** [Statistics of infant mortality] Budapesti orv. ujs., 1933, 31: 731-4.—[Mortality de nourrissons pendant les derniers temps] Magyar. statiszt. szemle, 1937, 15: 869-79.—A csecsemőhalandóság újabb alakulása. Ibid., 1939, 17: 1027-37.—**Tomilin, S.** The Ukrainian peasant woman. Birth Control Rev., 1930-31, 14: 207.

Statistics: France and Great Britain.

— **BERGER, I.** *Contribution à l'étude de la mortalité pendant les premières semaines de la vie d'après les statistiques de la Clinique Tarnier (année 1925) 40p. 8°. Par., 1930.
— **CHEINISSE-WERTHEIMER, M.** *La mortalité dans les nourseries de l'Hospice des Enfants-Assistés en 1929 et en 1930. 69p. 8°. Par., 1931.
— **STEINER, M.** *La mortalité et la mortalité infantile précoce à la maternité de l'Hôpital St Louis; années 1936 et 1937. 43p. 8°. Par., 1938.
— **VERRIER, M.** *La mortalité infantile observée à la clinique obstétricale au cours de 2 périodes séparées par un intervalle de 20 années [Lyon] 47p. 8°. Trévoux, 1935.
— **Baird, D., & Wyper, J. F. B.** High stillbirth and neonatal mortalities. Lancet, Lond., 1941, 2: 657-9.—**Cassoute.** Mortalité des nourrissons à l'Hospice dépositaire des enfants-assistés de Marseille en 1926. Bull. Acad. méd., Par., 1927, 3. ser., 97: 23-6.—**Delair, M.** Natalité et mortalité infantile dans le Département de la Seine. Ann. hyg., Par., 1931, n. ser., 9: 469-88.—[England and France] Taux de mortalité brut et standardisé, par sexe et par groupe d'âge et taux de mortalité infantile (années 1838 à 1935) Bull. Off. internat. hyg. pub., Par., 1937, 29: 595-602.—[France] Mortalité générale et mortalité des nourrissons au cours de l'année 1929. Ibid., 1933, 25: 1048.—**Huber, M.** Mortalité infantile d'après le mois de la naissance. Congr. internat. popul. (1937) 1938, 1. Congr., 5: 224-7.—Infant mortality. Med. Off., Lond., 1940, 63: 204.—Infant mortality [Ireland] Rep. Dep. Local Gov. Pub. Health, Dubl., 1933-34, 67.—Infant mortality [Scotland] Annual Rep. Dep. Health Scotland, 1939, 10: 71.—Infant mortality 100 years ago. Lancet, Lond., 1935, 2: 726.—Infant mortality in Staffordshire. Med. Off., Lond., 1940, 64: 199.—**Lesage, A.** Enfants de première année. Bull. Acad. méd., Par., 1934, 3. ser., 111: 451-64.—Rapport annuel de la Commission permanente de l'hygiène de l'enfance au cours de l'année 1939. Ibid., 1940, 123: 837-42.—& **Moine.** La mortalité infantile (zéro à un an) pendant un siècle (1831-1935) Ibid., 1937, 3. ser., 118: 127-54. Also J. méd. Paris, 1938, 58: 319-23. Also Méd. inf., Par., 1938, 45: 74-94.—Les variations de la mortalité du premier âge en France. Bull. Acad. méd., Par., 1939, 3. ser., 122: 456-70.—**Lishman, F. J. G.** A survey of 60 years of infant mortality in a county borough, with special reference to preventability. Pub. Health, Lond., 1937-38, 51: 13-22.—**Menzies, H. F.** Racial variation in relation to infant mortality in the 4 principal Scottish towns. Arch. Dis. Childh., Lond., 1929, 4: 33-46.—**Morrell, C. C.** Tudor marriages and infantile mortality. J. State M., Lond., 1935, 43: 173-81.—Mortalité générale et mortalité des nourrissons au cours de l'année 1929 [England & France] Bull. Off. internat. hyg. pub., Par., 1933, 25: 834.—**Russell, V.** Infant mortality in Kensington. Med. Off., Lond., 1941, 65: 81.—**Stocks, P.** Infant mortality in the metropolitan boroughs in relation to occupations. Ann. Eugen., Camb., 1927-28, 3: 194-200.—**Titmuss, R. M.** Stillbirth and neonatal mortality. Lancet, Lond., 1941, 2: 746.—**Veyrieres.** Mortalité infantile de la naissance à un an dans le département du Puy-de-Dôme. Bull. méd., Par., 1927, 41: 1038-40.

— Statistics: Germany.

ABRAHAM, F. *Untersuchungen über die Veränderungen der Sterblichkeitsstatistik des ersten Lebensjahres in Frankfurt am Main. 31p. 8°. Frankf. a. M., 1928.

AXTER, O. *Die Säuglingssterblichkeit in Stuttgart. 19p. 8°. [Tüb., 1936]

BACKERT, P. *Die Säuglingssterblichkeit in Niederbayern [Würzburg] 59p. 8°. Kulmbach, 1932.

FAKLER, H. *Einwirkungen lokaler und sozialer Art auf die Entwicklung der Geburtlichkeit und Säuglingssterblichkeit in Bayern von 1900 bis 1923 [München] 49p. 8°. Eichstatt, 1926.

GOHLISCH, H. J. *Ueber die Todesursache der totgeborenen und frühverstorbenen Kinder in der Provinzial-Hebammen-Lehranstalt Breslau in den Jahren 1930 bis 1935. 32p. 22½cm. Bresl., 1937.

GUMMER, H. *Untersuchung über Frühsterblichkeit und Frühgeburt [München] 20p. 8°. Birkenbeck-Freising, 1934.

GUSSONE, J. *Die Säuglingssterblichkeit des Berliner Stadtbezirks XIV im Jahre 1925 [Berlin] 40p. 8°. Frankf. a. O., 1930.

JUNG, H. *Die Säuglingssterblichkeit in Würzburg in den Jahren 1905-34 [Würzburg] 32p. 21cm. Ochsenfurt, 1938.

KÖRBER, R. *Die Säuglingssterblichkeit, die Sterblichkeit an Erkrankungen der Kreislauforgane, der Atmungsorgane und an Krebs in der Stadt Münster in den Jahren 1930-34 [Münster] 33p. 21cm. Bottrop, 1936.

REINICKE, H. *Die Säuglingssterblichkeit in Mecklenburg-Schwerin und Mecklenburg-Strelitz im Hinblick auf die drei Rott'schen Senkungsperioden [Rostock] 18p. 8°. Neustrelitz, 1929.

SEVERIN, A. *Die Beeinflussung der Geburtenhäufigkeit in der Stadt Essen durch die bevölkerungspolitischen Massnahmen des dritten Reiches und die Entwicklung der Säuglingssterblichkeit [Münster] 28p. 8°. Bottrop, 1935.

TEICHMANN, E. *Die Sterblichkeit der Erstgeburten während des Säuglingsjahres auf Grund einer Breslauer Statistik aus den Jahren 1925-28 [Breslau] 8p. 8°. Lpz., 1931.

Also Zbl. Gyn., 1931, 57:

Behla, R. Die Säuglingssterblichkeit im preussischen Staate, in den Provinzen und Regierungsbezirken nach Altersmonaten im Jahre 1910. Med. statist. Nachr., 1911-12, 2: 485. — Die Gesamtsterblichkeit und die Säuglingssterblichkeit während des Hitzevierteljahres 1911 im preussischen Staat und speziell im Stadtkreis Berlin. Berl. klin. Wschr., 1912, 49: 507. — Brüning, H. Ueber die Frühsterblichkeit der Säuglinge in Mecklenburg-Schwerin in der Zeit vor und nach dem Kriege (1901-5 und 1921-25). Arch. Kinderh., 1928-29, 86: 1-8. — & Josephy, E. Ueber Säuglingssterblichkeit in Rostock. Gesundheitsförs. Kindesalt., 1928, 3: 141-52. — Brüning, H., & Mahlo, E. Ein weiterer Beitrag zur Frühsterblichkeit der mecklenburgischen Säuglinge vor und nach dem Kriege. Arch. Kinderh., 1928-29, 86: 122-40. — Camerer, W. Zur Säuglingssterblichkeit in Württemberg. Mschr. Kinderh., 1939, 77: 428-39. — Fürth, E. Die Säuglingssterblichkeit in Oesterreich. Ibid., 1936, 67: 1-19. — Säuglingssterblichkeit in Wien. Münch. med. Wschr., 1936, 83: 1532. — Die Säuglingssterblichkeit im Deutschen Reich. Arch. Kinderh., 1937, 111: 106-11. — Säuglings-Frühsterblichkeit in Oesterreich. Ibid., 112: 158-67. — Hanauer. Die Säuglingssterblichkeit in Frankfurt a. M. 1908-26. Zschr. Hyg., 1929, 110: 654-80. — Infant mortality in Austria. J. Am. M. Ass., 1935, 105: 1447. — Kindermann, V. Die Säuglingssterblichkeit in den Sudetenländern, besonders bei den Deutschen und Tschechen. Med. Klin., Berl., 1937, 33: 694-7. — Lubinski, H. Untersuchungen über die Frühsterblichkeit der Säuglinge; die Frühsterblichkeit in Nürnberg. Zschr. Hyg., 1931, 112: 191-7. — & Cosack, G. Untersuchungen über die Frühsterblichkeit der Säuglinge; die Frühsterblichkeit in Breslau. Ibid., 1930, 111: 143-61. — Meier, E., & Baland, M.

Die wichtigsten Ursachen der Säuglingssterblichkeit im deutschen Reiche im Jahre 1933. Reichsgesundhbl., 1936, 11: 838-47. — Nobel, E., & Rosenfeld, S. Ursachen und Bekämpfung der Säuglingssterblichkeit in Oesterreich. Mitt. Volksgesundh., Wien, 1930 [Sonderbeil.] 1-46. — Roesle, E. Die Säuglingssterblichkeit im Deutschen Reich in den Jahren 1923-26. Gesundheitsförs. Kindesalt., 1928, 3: 117-31. — Rosenhaupt, H. Untersuchungen über die Säuglingssterblichkeit in Mainz. Ibid., 1926-27, 2: 473-85. — Rott, F. Die drei Senkungsperioden der Säuglingssterblichkeit im Deutschen Reiche; eine Vorstudie zu der internationalen Enquête über die Ursachen der Säuglingssterblichkeit. Ibid., 491-508. — Sterblichkeit, Früh- und Tod; die Geburten und Säuglingssterbefälle in den Jahren 1933 und 1934. Mschr. Kinderh., 1935-36, 64: 291-326. — Säuglingssterblichkeit (Die) in Preussen im Jahre 1924. Med. statist. Nachr., 1926-27, 14: 146-51. — Scheidt, E. Die Säuglingssterblichkeit im Reg.-Bez. Düsseldorf. Zschr. Schulgesundh., 1926, 39: 3-10. — Stuckmann, K. Ursachen der Säuglingssterblichkeit im Kreise Cham, Bayrische Ostmark, und Rees, Niederrhein, mit besonderer Berücksichtigung der hygienischen Verhältnisse. Arch. Hyg., Münch., 1940, 124: 46-59 (microfilm). — Tasche, T. Ursachen der Säuglingssterblichkeit; eine Analyse der Todesfälle in Frankfurt a. M., 1926. Arch. sozial. Hyg., 1929, n. F., 4: 89-106. — Ursachen (Die) der Säuglingssterblichkeit im Deutschen Reich im Jahre 1932. Reichsgesundhbl., 1935, 10: 743-50.

— Statistics: Italy.

FORTUNATI, P. La mortalità infantile; con particolare riguardo alle statistiche demografiche della città di Ferrara. 85p. 8°. Padova, 1933.

Agrifoglio, L. Studio critico sulla mortalità infantile nel primo biennio di vita in Sassari e nei comuni della sua provincia. Igiene mod., 1939, 32: 536-46, tab. — Berghinz, G., & Cantarutti, F. Osservazioni sulla natalità e mortalità infantile nell'ultimo quindicennio in Friuli. Clin. pediat., Mod., 1938, 20: 490. — Bersani, I. Note ed osservazioni sulla mortalità infantile e sulle modalità d'allevamento del bambino nel Comune di Carnagnola. Pediat. med. prat., Tor., 1938, 13: 589-96. — Borsarelli, F. Natalità e mortalità infantile nelle campagne. Osp. maggiore Novara, 1937, 14: 272-6. Also Pediat. med. prat., Tor., 1937, 12: 617-32. — Buonomini, G. La mortalità infantile in Napoli nel quinquennio 1931-35. Pediatria (Riv.) 1937, 45: 1053-65. — Cantarutti, F. La mortalità infantile e le sue cause nel comune di Udine nell'ultimo trentennio. Ibid., 1934, 42: 1029. — La mortalità infantile e le sue cause nel comune di Udine dal 1901 al 1932 compreso. Clin. pediat., Mod., 1935, 17: 307-37. — Castane, V., & Cannarsa, F. La mortalità infantile a Roma nel decennio 1913-22. Pediatria, Nap., 1925-26, 1: 467-89. — Chiarotti, C. Demografie e mortalità infantile nella Provincia di Novara. Osp. maggiore Novara, 1937, 14: 276-84; 553-82. — Ciminata, A., Ferrario, A., & Oreni, A. Sulla mortalità infantile nel primo biennio di vita, considerazioni sopra una statistica ospedaliera. Policlinico, 1939, 46: sez. prat., 441. — De Luca, B. Natalità e mortalità nella città di Grosseto nel dodicennio 1921-32 con particolare riguardo alla mortalità del lattante. Med. inf., Roma, 1933, 4: 277-84. — Di Lorenzo, S. La mortalità infantile in una piccola isola italiana del Mediterraneo (Lampedusa) dal 1912 al 1932. Pediat. med. prat., Tor., 1934, 9: 644-50. — Giacobbe, M. O. La natalità e la mortalità infantile di un ventennio studiato in un paese rurale della Sardegna. Clin. pediat., Mod., 1933, 15: 587-626. — Gini, C., & De Berardinis, I. Cenni riassuntivi circa una indagine sulla mortalità infantile condotta nel territorio del Governatorato di Roma. Rass. previd. sociale, 1931, 18: No. 2, 4-29. — Gioseffi, M. La mortalità infantile nella Venezia Giulia. Difesa sociale, 1931, 10: 523-36. — Risposta al referendum sul problema della mortalità infantile nel 1. biennio di vita indetto dalla Assise italiana di medicina generale. Lattante, 1940, 11: 28-30. — Guiffrida, G. La mortalità infantile e le sue cause nel comune di Novara nel trentennio 1902-31. Clin. pediat., Mod., 1932, 14: 791-815. — Considerazioni sulla mortalità infantile nel Comune di Novara. Osp. maggiore Novara, 1936, 13: 399-406. — Gurrieri, S. Natalità e mortalità infantile in un piccolo comune del Piemonte interamente dedito all'agricoltura nel passato e nel presente. Pediat. med. prat., Tor., 1938, 13: 281-5. — Lucca, A. Sulla mortalità infantile in Torino. Osp. maggiore Novara, 1937, 14: 286-97. — Maccolini, R. Rilievi sul movimento demografico e sullo stato sanitario del comune di Bologna con particolare riguardo alla mortalità infantile; notizie di urbanistica e demografia bolognese. Bull. sc. med., Bologna, 1940, 112: 103-43. — Mazzeo, M. Sulla mortalità infantile in Italia nel decennio 1918-27. Pol. med., Nap., 1932, 18: 801-32. — Morganti, F. Sulle condizioni della mortalità infantile nel comune di Perugia. Pediat. med. prat., Tor., 1933, 8: 310-27. — Ortolani, M. L'opera del medico nella campagna demografica; la mortalità infantile e le sue cause nella provincia di Ferrara. Lattante, 1937, 8: 431-7. — Pampiro, P. L. Le prime statistiche sulla mortalità infantile di Torino. Pediat. med. prat., Tor., 1939, 114: 601-6. — Pinto, F. Mortalità infantile da 0 a 1 nell'I. P. P. I. di Bari nel quinquennio 1931-35. Igiene mod., 1937, 30: 364-70, 3 graph. — Roi, G. Morti-natalità e mortalità infantile. Rass. ostet., 1938, 47: 333-7. — Storch, L. Natalità e mortalità infantile in piccoli centri dell'Alto Adige.

Pediat. med. prat., Tor., 1932, 7: 107-27.—**Strozzi, R.** Dati statistici sulla mortalità infantile del Comune di Formigine nei periodi 1904-13 (prebellico) 1914-18 (bellico) 1919-28 (post-bellico). *Pediat. prat., Mod.*, 1930, 7: 381-417.—**Tagliaferro, P.** Natimortalità e neonatimortalità; comune di Gorizia negli anni 1929-35. *Riv. ostet. gin.* 1937, 19: 49; 84.—**Tamburri, T.** La morbidità e la mortalità infantile negli anni 1926-30. *Prat. pediat.*, Milano, 1932, 10: 147-70.—**Tecce, R.** Il movimento demografico di Matera nel trentennio 1906-36. *Igiene med.*, 1937, 30: 120-4, 2 graph.—**V., R.** La mortalità infantile. *Rev. Soc. ital. igiene*, 1940, 62: 154-6.—**Zambrano, E.** Cause generiche della mortalità infantile nella Provincia di Brindisi. *Pediatria (Riv.)* 1939, 47: 332-40.

Statistics: Scandinavia.

JOHANNESSEN, A. De forskjellige dødsårsager indflydelse paa spedbarnsdødeligheden i Norge. 27p. 8°. Christiania, 1908.

Brodin, A. [Mortality among infants in Göteborg between 1908-37] *Nord. med.*, 1939, 4: 3659-70. Also *Acta paediat.*, Upps., 1939, 24: 42-9. [Discussion] 68-73.—**Hanssen, P.** Sæuglingsførsørg og Sæuglingssterblichkeit i Dænmærk und Schleswig-Holstein. *Ibid.*, 1932-33, 14: 369-87.—**Heiniö, P.** Die Sæuglingssterblichkeit in Finnland von 1750-1935. *Ibid.*, 1937, 21: 166-87.—**Hertz, P.** The mortality amongst infants under municipal supervision in Copenhagen during the period 1925-30. *Ibid.*, 1931-32, 12: 203-11.—**Hjarne, U.** [Investigation of infant mortality in the Northwest and plains in 1928-33] *Hygica, Stockh.*, 1937, 99: 609-31.—**Jørgensen, A. T.** [Infant welfare stations and infant mortality in København] *Ugeskr. læger*, 1941, 103: 1377.—**Mortalité générale et mortalité des nourrissons (0-1 an) au cours de l'année 1930 (Suède)** *Bull. Off. internat. hyg. pub.*, Par., 1933, 25: 2144.

Statistics: United States.

AMERICAN CHILD HEALTH ASSOCIATION. Statistical report of infant mortality for 1933. N. Y., 1934.

BERKOWITZ, A. Infant mortality and diphtheria prevalence in New York City during 6-year period (births, deaths under 1 year, infant mortality rates, diphtheria incidence, diphtheria deaths, diphtheria case rates, by boroughs, health districts and health areas, from 1929 to 1934) 131p. 4°. N. Y., 1935.

OPPENHEIMER, E. Infant mortality in Memphis. 103p. 8°. Wash., 1937.

WOODBURY, R. M. Infant mortality and its causes, with an appendix on the trend of maternal mortality rates in the United States. 204p. 8°. Balt., 1926.

Births, stillbirths, deaths and infant mortality, United States: 1939; data are shown by race and by cities of 10,000 or more, cities of 2,500 to 10,000, and rural, in each state. *Vital Statist. Spec. Rep. U. S. Bur. Census*, 1940-41, 12: 439-92.—**Bolduan, C. F.** Course of infant mortality in New York City. *Prev. Med.*, N. Y., 1936, 6: 4: 14-9.—**Weiner, L.** Infant mortality in New York City 100 years ago. *J. Pediat.*, S. Louis, 1935, 7: 55-9.—**Brooks, B. U.** A study of infant mortality in the Southern States. *South. M. J.*, 1930, 23: 869-74.—**Collinson, J.** & **Council, C.** A study of the white and Negro infant mortality in Maryland 1916-30, inclusive. *Child Health Bull.*, 1931, 7: 206-11.—**Collopy, P. J.** & **Rose, J. C.** A study of infant mortality in Oklahoma 1934-38. *J. Oklahoma M. Ass.*, 1940, 33: No. 4, 9-13.—**Crittenden, C. B.** Infant and neonatal deaths in Kentucky, 1911-36. *Bull. Dep. Health Kentucky*, 1938-39, 11: 543-6.—**A declining infant mortality rate.** *Ibid.*, 1940-41, 13: 219-21.—**Crumbine, S. J.** A statistical report of infant mortality for 1926. *Am. J. Pub. Health*, 1927, 17: 922-7.—**Deaths** under 1 year by place of residence, United States, 1939. *Vital Statist. Spec. Rep. U. S. Bur. Census*, 1940-41, 12: 493-7.—**Deaths** under 1 year from selected causes by age, sex, and race, United States: 1939. *Ibid.*, 431-8.—**Decline** in infant mortality. In *Fact. Data M. Econom. (Am. M. Ass.) Chic.*, 1940, 77.—**Decline (The)** in infant mortality since 1915. *Statist. Bull. Metrop. Life Insur.*, 1937, 18: No. 2, 2-4.—**De Porte, J. V.** Recorded and resident death rates in New York State; infant mortality, 1927-30. *N. York State J. M.*, 1932, 32: 257.—**Detroit's** infant death rate under 40 since 1938; rate for entire state cut a third in 10 years. *Michigan Pub. Health*, 1941, 29: 30.—**Donahue, J. J.** Infant mortality in Southern Illinois. *Illinois M. J.*, 1930, 58: 278-82.—**Dotterer, T. D.** Infant mortality in South Carolina. *J. South Carolina M. Ass.*, 1930, 26: 277-81.—**Downward** trend of infant death rate leveling off though 1940 rate of 40.7 sets new low mark. *Michigan Pub. Health*, 1941, 29: 26-30.—**Fernós Isern, A.** Infantile morbidity and mortality in Porto Rico. *Porto Rico Rev. Pub. Health*, 1927-28, 3: 461-7.—**Figuerola, L.** El grave problema de la mortalidad infantil en Puerto Rico. *Tr. Panamer. M. Congr.* (1931) 1933, 3. Congr., 190-211.—**Fishbein, W. I.** Infant

mortality in Chicago, 1935 to 1939. *Bull. Chicago M. Soc.*, 1939-40, 42: 796-8.—**Frontiers;** infant mortality in the United States, 1936. *Health Notes*, Jacksonville, 1938, 30: 167.—**Gengenbach, F. P.** Denver's infant mortality. *J. Pediat.*, S. Louis, 1933, 3: 718-29.—**Geographic** distribution of declines in infant mortality. *Statist. Bull. Metrop. Life Insur.*, 1939, 20: No. 6, 2-4.—**Gleason, A. L.** A study of infant mortality in Montana. *J. Lancet*, 1939, 59: 197-201.—**Hazardous (The)** first month of life. *Statist. Bull. Metrop. Life Insur.*, 1934, 15: 4-6.—**Hood, R. C.** Infant mortality rates per 1,000 live births for 1931-40, inclusive. *Annual Rep. Bd Health Florida* (1941) 1942, 42: 104, tab.—**Hooker, A. M.** Infant mortality in the United States. *Drug Topics*, N. Y., 1913, 28: 136.—**Hudson, F. I.** Infant mortality in Delaware. *Delaware M. J.*, 1939, 11: 179-81.—**Infant** deaths and infant death rates, 1915-40. *Vital Statist. Spec. Rep. U. S. Bur. Census*, 1941-42, 15: 147-68.—**Infant** deaths and death rates by place of residence; 1940. *Ibid.*, 371-6.—**Infant** deaths from selected causes by age, sex, and race; United States, 1940. *Ibid.*, 423-30.—**Infant** death rate. *Southwest. M.*, 1940, 24: 267.—**Infant** death rates in the United States, by States, for 1938 and prior years. *Pub. Health Rep.*, Wash., 1940, 55: 602.—**Infant** deaths reach new low. *Week. Bull. California Dep. Pub. Health*, 1940-41, 19: 49.—**Infant** deaths; United States, 1939; number of deaths under 1 year of age, and death rate, by race and by urban and rural areas, for each State and for cities of 100,000 or more, 1939; all figures are shown by place of occurrence. *Vital Statist. Spec. Rep. U. S. Bur. Census*, 1940-41, 12: 229-35.—**Infant** mortality. *Week. Bull. California Dep. Pub. Health*, 1938-39, 17: 93.—**Infant** mortality. *N. England J. M.*, 1942, 227: 189.—**Infant** mortality from selected causes; United States: 1938. *Vital Statist. Spec. Rep. U. S. Bur. Census*, 1940, 9: 461-8.—**Infant** mortality in Hartford. *Health Bull.*, Hartford, 1938, 3: No. 7 [1].—**Infant** mortality in New York State, 1933. *Health News, Alb.*, 1934, 11: 205.—**Infant** mortality in the United States. In *Fact. Data M. Econom. (Am. M. Ass.) Chic.*, 1940, 79.—**Infant** mortality rates rise. *Week. Bull. California Dep. Pub. Health*, 1937-38, 16: 101-3.—**Infant** mortality; United States; number of deaths under 1 year of age, by urban and rural areas and by race, in each State, 1940; trends of infant mortality by urban and rural areas and by race, and neonatal mortality, in the registration States, 1915-40. *Vital Statist. Spec. Rep. U. S. Bur. Census*, 1941-42, 15: 351-63.—**Jost, A. C.** The loss of infants in Delaware. *Delaware M. J.*, 1937, 9: 159-62.—**Kaplan, A. D. H.** Some preliminary observations on Denver's infant mortality study. *Colorado M.*, 1931, 28: 165-9.—**Kerner, J. W.** A shift in the infant mortality rate in Durham County, North Carolina. *J. Pediat.*, S. Louis, 1937, 10: 236-42.—**Lam, F. K.** Maternal and infant mortality in Hawaii. *Tr. Hawaii M. Ass.*, 1936, 46: 55-65.—**Levy, J.** Infant deaths show a steady drop in New Jersey; State's record is sixth on U. S. list; decline noted for babies under month. *Pub. Health News, Trenton*, 1940, 24: 111-3.—**Loder, R. H.** Infant mortality. *Nebraska M. J.*, 1940, 25: 172.—**Low** infant mortality for first 9 months indicates record may be set for 1940. *Michigan Pub. Health*, 1940, 28: 203.—**Lowest** infant mortality rate. *J. Am. M. Ass.*, 1940, 114: 2316.—**Lyon, G. M.** Infant mortality studies in West Virginia. *West Virginia M. J.*, 1934, 30: 289-310.—**Mortalidad** infantil en Estados Unidos. *Bol. Of. san. panamer.*, 1942, 21: 189.—**Mortality** experience of the first 3 months of 1932. *Statist. Bull. Metrop. Life Insur.*, 1932, 13: 1-4.—**Mortality** summary; the infant under one year of age. *Vital Statist. Spec. Rep. U. S. Bur. Census*, 1942, 16: 243-62.—**Mortality** summary for U. S. registration states: congenital malformations and diseases peculiar to the first year of life. *Ibid.*, 221-4.—**Mortality** summary for U. S. registration states: congenital debility. *Ibid.*, 229-32.—**Nation's** infant death rate decreases. *Texas J. M.*, 1940-41, 36: 254.—**New** lows in infant mortality. *Week. Bull. Oregon Bd Health*, 1942, 20: No. 51, 1-4.—**Provisional** birth and infant mortality statistics for 1939. *Pub. Health Rep.*, Wash., 1940, 55: 1131.—**Provisional** infant mortality statistics, United States: 1940-41. *Vital Statist. Spec. Rep. U. S. Bur. Census*, 1940-41, 12: 507-10; 1941-42, 15: 417-22.—**Rice, J. L., Barnard, M.** [et al.] Infant mortality in New York City. *Am. J. Pub. Health*, 1937, 27: 701-6.—**Ross, H. R.** Maternal neonatal and infant death rates in Kansas, 1931-35. *J. Kansas M. Soc.*, 1937, 38: 198-204.—**Saunders, J. M.** & **Puffer, R. R.** A study of infant mortality in Tennessee, 1934-37. *J. Tennessee M. Ass.*, 1939, 32: 342-9.—**Simpson, W. E.** Infant mortality in South Carolina. *J. South Carolina M. Ass.*, 1928, 24: 27-32.—**State** infant mortality rate again lowered. *Week. Bull. California Dep. Pub. Health*, 1936, 15: 53.—**State's** infant death rate in 1941 lowest in history; birth total is highest. *Michigan Pub. Health*, 1942, 30: 47.—**Study (A)** of infant mortality by health areas and census tracts for 1933; prepared by the Boston Health League, Inc. *N. England J. M.*, 1934, 211: 468-71.—**Tandy, E. C.** Maternal and infant mortality in 1939 lowest on record. *Child, Wash.*, 1941, 5: 189-96.—**Tewksbury, R. B.** A biometric study of infant mortality in the United States Birth Registration Area, 1919-22. *Am. J. Hyg.*, 1926, 6: 32-73.—**Tracy, M. H.** Five-year resident infant mortality rate in Boston, 1930-31. *N. England J. M.*, 1936, 214: 894-8.—**United** States infant mortality drops 3 percent in 1940. *Diplomate*, 1942, 14: 51.—**Wegman, M. E., Marchante, R. F.** & **Kramer, M.** Infant mortality and infant feeding in Puerto Rico. *Puerto Rico J. Pub. Health*, 1941-42, 17: 228-45.—**Welling, W. C.** Infant mortality rates for 10 years in Connecticut. *Connecticut Health Bull.*, 1933, 47:

217-9. — Infant mortality and maternal mortality in Connecticut. *Ibid.*, 1941, 55: 100-5.—Wilinsky, C. F. A study of maternal and infant mortality in Boston. *Tr. Am. Child Health Ass.*, 1929, 6: 125-38.—Yerushalmey, J. The 1940 record of maternal and infant mortality in the United States. *Child, Wash.*, 1941-42, 6: 195-206.

INFANT nutrition.

See also **Breast-feeding; Diet—for children; Infant, Care; Nutrition; Newborn.**

DESCHAMPS, M. **Quelques considérations sur l'alimentation des nourrissons.* 63p. 8°. Par., 1929.

Aguiar, A. Puericultura e dietética infantil. *Impr. méd.*, Rio, 1942, 18: No. 344, 91-7.—Amarante, J. A alimentação da criança. *Fol. med.*, Rio, 1927, 8: 143-7.—Ameels, J. Nutrition infantile. *Rev. méd.*, Louvain, 1928, 361-4.—Anderson, W. W. Infant feeding. *Arch. Pediat.*, N. Y., 1933, 50: 519-23.—Asher, C. Some aspects of infant nutrition. *Lancet*, Lond., 1937, 1: 221-5.—Ball, W. H. Increased application of nutrition and preventative medicine needed to improve health of young children. *Health Notes*, Jacksonville, 1941, 33: 42-6.—Baptista, V. Considerações sobre a nutrição da criança. *Tribuna med.*, Rio, 1926, 32: 241.—Barber, W. W. Newer aspects of infant feeding. *Rocky Mountain M. J.*, 1938, 35: 537-43.—Barenberg, L. H., Green, D., & Abramson, H. The relationship of nutrition in infancy and childhood. *J. Am. M. Ass.*, 1929, 92: 440-3.—Bentivoglio, G. C. Alimentazione. In: *Man. pediatri.* (Frontali, G.) *Tor.*, 1936, 1: 55-126.—Berger, H. C. Rational feeding of infants. *Month. Bull. Kansas City Clin. Soc.*, 1929, 5: 24-9.—Bernbaum, B. Infant feeding and nutrition. *Rep. Wayne Co. M. Soc.*, 1932-33, 3: 44-6.—Blackfan, K. D., & Johnston, J. Notes on infant feeding. *Boston M. & S. J.*, 1927, 196: 395-7.—Blechmann, G., & Bohn, A. Alimentation du nourrisson. *Hôpital*, 1933, 21: 139.—Bocchini, A. Lezioni di puericultura. *Arte ostet.*, 1934, 48: 269-75; 1935, 49: 25-8; 97-102.—Bowes, A. deP. Nutrition in the maternal and child health program. *Pennsylvania Health*, 1940, 1: No. 5, 14-8.—Bruce, J. W. Infant feeding. *Kentucky M. J.*, 1926, 24: 230-5.—Cadwallader, R. Infant feeding. *Compend M. & S.*, 1927, 5: 13.—Cardoso, J. Como se devem alimentar as crianças. *Novid. med. pharm.*, Porto, 1907, 12: 257; 289.—Caxtro Freire, L. de. Lições de pediatria; alimentação infantil. *Med. contemp.*, Lisb., 1934, 52: 248-52.—Alimentação do lactante. *Ibid.*, 1937, 55: 407-14.—Caudill, F. W. Infant feeding. *Bull. Dep. Health Kentucky*, 1935-36, 8: 76-80.—Cautley, E., & Paterson, D. The feeding of infants and children. In *Dis. Child.* (Thursfield & Paterson) *Lond.*, 1934, 41-77.—Commission (La) de l'alimentation du Comité national de l'enfance; conseils utiles. *J. méd. Paris*, 1940, 60: 331.—Dossin, M. Quelques considérations pratiques sur l'alimentation du nourrisson. *Ann. Inst. chir. Bruxelles*, 1928, 29: 25-33.—Faz Tabío, H. Algunos apuntes y notas sobre la alimentación del niño. *Bol. Soc. cubana pediat.*, 1939, 11: 582-608.—Feeding (The) of infants. *Med. Off.*, Lond., 1942, 68: 3.—Findlay, L. Some reflections on infant feeding. *Mat. & Child Welf.*, Lond., 1927, 11: 184-7.—Diet of the infant. *Postgrad. M. J.*, Lond., 1934, 10: 422-8.—Fischl, R. Ueber Säuglingsernährung. *Tungchi med. mschr.*, 1927-28, 3: 29; 39.—Furuhashi, Y. Kleine Erfahrungen über Säuglingsernährung und -ausscheidung. *Jap. J. M. Sc.*, 1935-37, 3: Biochem., 239.—Garipuy, L. Alimentation du jeune enfant. *Méd. inf.*, Par., 1921, 27: 115.—Gehman, J. M. Feeding your baby. *Health Cult.*, N. Y., 1941, 47: 34-6.—Gengenbach, F. P. Infant feeding, suggestions for the general practitioner. *Colorado M.*, 1930, 27: 382-7.—Gerstley, J. R. Infant nutrition. *Pennsylvania M. J.*, 1933, 36: 483-8.—Goebel, F. Ernährung des Säuglings. *Med. Klin.*, Berl., 1939, 35: 1214.—Graham, H. B. Some aspects of infant feeding. *Brit. M. J.*, 1935, 2: 614-7.—Infant feeding. *Med. J. Australia*, 1935, 2: 272.—Grulee, C. G. Infant feeding. *J. Am. M. Ass.*, 1926, 87: 137-9.—Hergert, E. L. Factors in the diet and inoculations of infants. *Arch. Pediat.*, N. Y., 1934, 51: 666-72.—Heymann, S. Some remarks on infant feeding. *S. Afr. M. J.*, 1935, 9: 377-81.—Hill, F. S. Infant feeding. *Mississippi Doctor*, 1935-36, 13: No. 12, 50-2.—Holtz, K. Die Ernährung des Säuglings. *Off. Gesundheitsdienst*, 1935, ser. B, 1: 174-82.—Hughes, R. O. Infant feeding. *J. Iowa M. Soc.*, 1934, 24: 139-41.—Humphreys, E. B. B. Infant feeding. *Nurs. Times*, Lond., 1942, 38: 533; *passim*.—Ide, M. Nutrition infantile. *Rev. méd.*, Louvain, 1928, 135-9.—Jackson, R. L. Infant feeding. *Southwest M.*, 1940, 24: 298-300.—King, F. T. Infant feeding. *Med. J. Australia*, 1927, 2: Suppl., 119-22.—Labbé, H. Alimentation de l'enfance. *Ann. hyg.*, Par., 1926, n. ser., 4: 618-29.—Lemaire, J. L'alimentation des nourrissons. *J. diét.*, Par., 1911, 2: 199-202.—Marriott, McK. Infant feeding and nutrition. *South. M. J.*, 1927, 20: 352-5.—Maurer, E. Gedanken zur Säuglingsernährung. *Münch. med. Wschr.*, 1938, 85: 663-6.—Miller, M. V. [Feeding of infants] *J. detsk. bole.*, 1925, 1: 221-5.—Mills, H. B. Infant feeding. *Med. J. & Rec.*, 1928, 127: 379; 407.—Mitchell, A. G. A consideration of some phases of nutrition in early life. *Pennsylvania M. J.*, 1932, 35: 233-40.—Also *South. M. J.*, 1932, 25: 39-46.—Moore, C. U. Aids to adequate infant feeding. *Am. Med.*, 1928, 23: 852-7.—Motttram, V. H. Feeding of the young.

Lancet, Lond., 1941, 1: 466.—Müller, E. Die Ernährung des Säuglings und Kleinkindes. *Med. Welt*, 1933, 7: 1528-31.—Nelson, W. E. Infant feeding, 1937, 1939-41. In *Cyclop. Med.* (Piersol-Bortz) *Phila.*, 1937, serv. vol., 583-6; 1939, serv. vol., 532; *passim*.—Nobécourt, P. [Diet of infants and children] *Ucheb. detsk. bole.*, 1928, 4: 833-9.—Pegnine (La) chez les enfants. *Arch. méd. enf.*, 1907, 10: 743-6.—Plantenga, B. P. B. [Rational infant feeding] *Geneesk. gids*, 1928, 6: 697-701.—Queiroz, L. de. Dietética do lactente. *Rev. med. cir. Brasil*, 1926, 34: 358-92.—Rothschild, H. B. Feed the baby. *Arch. Pediat.*, N. Y., 1935, 52: 64-7.—Sagalevich, M. M. [How a child should be fed] *Vopr. materin.*, 1940, No. 10, 1-7.—Schlutz, F. W. Infant feeding. *J. Lancet*, 1938, 58: 485-93.—Schwartz, A. B. The feeding of infants and children. *Collect. Papers Marquette Univ. School M.*, 1930-31, 6: repr. No. 32.—Smith, C. H. The diet of the infant. *Maine M. J.*, 1937, 28: 89-100.—Also *South. M. J.*, 1937, 30: 650-4.—Some aspects of dietetics; acidosis, diabetes, constipation, and infant feeding. *Pharm. J.*, Lond., 1935, 4. ser., 80: 259.—Soxleth. Sulla alimentazione dei bambini. *Gior. farm.*, Trieste, 1902, 7: 110.—Stewart, C. A. The feeding of the child. *J. Lancet*, 1938, 58: 239-44.—The feeding of children. *Texas J. M.*, 1942-43, 38: 586-9.—Feeding infants. *N. Orleans M. & S. J.*, 1942-43, 95: 225-7.—Stone, J. B. Infant feeding. *Virginia M. Month.*, 1933, 60: 176-82.—Storms, L. B. Some aspects of modern feeding in infancy. *Med. Woman J.*, 1935, 42: 213-6.—Suárez, R. M. Alimentación infantil. *Bol. As. méd. Puerto Rico*, 1930, 22: 191-4.—Swift, F. L. Infant feeding. *Med. Soc. Rep.*, Scranton, 1940, 34: No. 9, 16-8.—Tooker, H. C. Infant feeding. *Hygiea*, Chic., 1938, 16: 406.—Toverud, K. U. Nutritional condition of new-born infants: a statistical study. *Am. J. Dis. Child.*, 1933, 46: 954-62.—Turner, A. J. Infant feeding. *Med. J. Australia*, 1926, 1: 667-72; 1927, 2: Suppl., 116.—Tyson, R. M. Infant feeding and nutrition. *Delaware M. J.*, 1934, 6: 75-7.—Ulrich, O. Die Regelung der Lebenshaltung und Ernährung im Säuglings- und Kleinkindesalter. *Med. Klin.*, Berl., 1940, 36: 431; 454 (microfilm).—Weston, W., jr. Nutrition of infants and preschool children. *J. S. Carolina M. Ass.*, 1928, 25: 351-4.—Wilson, W. Infant nutrition. In *Pract. Libr. M. & S.* (Appleton) 1935, 7: 111-210.—Wright, R. E. Infant feeding. *J. M. Soc. N. Jersey*, 1939, 36: 586.

Accidents.

MAURELLET, A. G. **Les dangers des sucettes; en particulier la suffocation accidentelle du nourrisson.* 44p. 8°. Par., 1926.

Another way to kill a baby. *Med. World*, 1942, 60: 362-4.—Weiss, F. Schädigung durch rektale Verabreichung von Nautisan im Säuglingsalter. *Mschr. Kinderh.*, 1930, 46: 419-25.

Anthropological and ethnographical aspect.

Acuña, M., & Oneto, J. A. Como fueron alimentados los lactantes que concurren a la policlinica del Instituto de pediatria. *Crón. méd.*, Lima, 1937, 54: 238-44.—Alimentación. *Salud & san.*, Bogotá, 1940-41, 10: No. 108, 13.—Báñez y César, A. Contribución al estudio de la alimentación del niño Cubano a partir del destete hasta los 30 meses de edad. *Rev. méd. cubana*, 1939, 50: 311-29.—Bíazal, R. S. Our babies: what they are fed; a study of infant feeding practices as found by a survey of 657 babies. *Med. Woman J.*, 1934, 41: 158-62.—Gopalachari, P. Nutrients in the rearing of infants in South India. *Med. Surg. Suggest.*, Madras, 1934, 3: 1-11, pl.—Hodge, E. H. V. The feeding of infants in India. *Ind. M. Gaz.*, 1936, 71: 1-13.—Platt, B. S., & Gin, S. Y. Chinese methods of infant feeding and nursing. *Arch. Dis. Childh.*, Lond., 1938, 13: 343-54.—Pritchard, E. A few reflections on the present position of infant feeding in England. *Am. Med.*, 1928, 23: 881-3.—Radhakrishna Rao, M. V. Observations on the normal dietary of infants and children in Vizagapatnam. *Ind. M. Gaz.*, 1934, 69: 142-4.—Roberts, R. F. K. Infant feeding. *Native M. Pract.*, Suva, 1932, 1: 62.—Tobler, W. Ueber die Stillverhältnisse in Bern. *Schweiz. med. Wschr.*, 1927, 57: 457-60.—Togamau Faatiga. Infant feeding in native villages. *Native M. Pract.*, Suva, 1935, 2: 255-62.—Williams, E. H. Infant feeding and the plunket society. *N. Zealand M. J.*, 1933, 32: 330-5.

artificial.

See also other subheadings (Food; Milk, etc.)

BEUCHAT, A. **A propos de l'alimentation de l'enfant privé, pendant les premières semaines de sa vie, du lait de sa mère.* 44p. 8°. Lausanne, 1929.

STEINBERG, A. J. The bottle-fed baby. 22p. 8°. Wash., 1921.

Abraham, G. Milchlose Ernährung im Säuglingsalter. *Arch. Kinderh.*, 1928, 84: 36-54.—Araya Ch., P. Alimentación artificial del lactante sano; su aspecto médico-social y económico. *Rev. chilena pediat.*, 1942, 13: 716-67.—Aritzia, A., & Eggers, F. Alimentación artificial del lactante sano en establecimientos

cerrados. *Ibid.*, 73-93.—**Artificial feeding of infants.** Bull. Chicago M. Soc., 1935-36, 39: 11A-14A.—**Babonneix, L.** Artificial feeding. In their *Inf. Nutr.*, 3. ed., S. Louis, 1941, 167-75.—**Marshall, J. T.** The growing prevalence in the rural districts of artificial feeding of infants. Kentucky M. J., 1927, 25: 369-71.—**Meyer zu Hörste, G.** Zur Ernährung des gesunden Säuglings; die unnatürliche Ernährung des Säuglings. Med. Klin., Berl., 1941, 37: 85-8.—**Moore, R. H.** Some practical points in the artificial feeding of normal infants. Dallas M. J., 1926, 12: 182.—**Moraga F., G.** Alimentación artificial en el lactante en el primer trimestre. Rev. chilena pediat., 1941, 12: 503-12.—**Morse, J. L.** Recollections and reflections on 45 years of artificial infant feeding. J. Pediat., S. Louis, 1935, 7: 303-24.—**Mulherin, W. A.** A yardstick measure artificial feedings for infants. J. M. Ass. Georgia, 1936, 25: 265-8.—**Neff, F. C.** Artificial feeding. In *Ther. Infancy* (Litchfield, H. R., & al.) Phila., 1942, 1: 458-82.—**Netto, L.** Aleitamento artificial; desvantagens e técnica. Rev. med. Bahia, 1941, 9: 173-85.—**Pikler, L.** [Physico-chemical foundation of artificial feeding of infants] Gyógyászat, 1937, 77: 524-30.—**Popowa, A.** Ueber einige Indikationen der milchfreien Diät bei Säuglingen und jungen Kindern. Mschr. Kinderh., 1927, 35: 416-28.—**Pritchard, E.** Recent improvements in the artificial feeding of infants. J. R. San. Inst., 1927-28, 48: 216-21.—**Ribadeau-Dumas, L.** L'allaitement artificiel et ses compléments. Sem. hôp. Paris, 1927, 3: 4-14.—**Rohmer, S.** La práctica de la alimentación artificial en el niño normal. Progr. clín., Madr., 1930, 38: 745-50.—**Salud, E. B.** A guide to artificial feeding of infants. J. Philippine Islands M. Ass., 1928, 8: 307-11, 2 ch.—**Sarrouy, C., & Dendale, R.** Allaitement artificiel et période de restrictions. Bull. san. Algérie, 1940, 35: 702-4.—**Schiavone, G. A.** Sobre algunos aspectos de la alimentación artificial del lactante. Sem. méd., B. Air., 1937, 44: pt 1, 617-21; 892-9.—**Schlesinger, B.** Practical points in artificial feeding. Clin. J., Lond., 1929, 58: 289-97.—**Schweizer, F.** Los factores decisivos en los resultados de la alimentación artificial. Arch. lat. amer. pediat., B. Air., 1926, 3. ser., 20: 600-4.—**Alimentación artificial del lactante sano; aspecto científico.** Día méd., B. Air., 1942, 14: 250-2.—**Alimentación artificial del lactante sano.** Rev. chilena pediat., 1942, 13: 125-32.—**Sheldon, W.** The artificial feeding of infants. Practitioner, Lond., 1935, 134: 415-28.—**Smith, R. M.** The underlying principles employed in the artificial feeding of infants. Rhode Island M. J., 1929, 12: 1.—**Spolverini, L.** Nuovi progressi di tecnica nell'allattamento artificiale. Policlinico, 1931, 38: sez. prat., 1847-55. Also Arch. Kinderh., 1931-32, 95: 278-89.—**Progressi di tecnica nell'allattamento artificiale.** Acta paediat., Upps., 1933, 16: 526-39.—**Tiegel, W.** Die künstliche Säuglingsernährung in der naturärztlichen Praxis. Naturärztl. Rdsch., 1938, 10: 286-96.—**Tobler, W.** Zur künstlichen Ernährung des Säuglings. Schweiz. med. Wschr., 1938, 68: 285; 310.—**Wieland, E.** Ueber künstliche Säuglingsernährung. *Ibid.*, 1932, 62: 443-8.—**Willemin-Clog, L.** Les régimes sans lait en diététique infantile. Rev. fr. pédiat., 1930, 6: 237-53.

— **artificial: Effect.**

Armand-Delille, P., Mentzer & Urbain. Contribution à l'étude de l'assimilation glucidique (amidon et produits d'hydrolyse) chez le nourrisson âgé de moins de 6 mois soumis à l'allaitement artificiel ou mixte. C. rend. Soc. biol., 1936, 122: 1212.—**Bikoff, H. S.** Bottle babies thrive as well as the breast fed. Certif. Milk, 1937, 12: No. 136, 3; 20.—**Giuffrè, M.** Gli aminoacidi delle urine nei bambini allevati artificialmente. Riv. clin. pediat., 1933, 31: 298-307.—**Gulick, A. W., & Daniels, A. L.** The excretion of vitamin B by artificially fed infants. Proc. Soc. Exp. Biol., N. Y., 1931, 28: 861-2.—**Jahr, J. M.** Das Stuhlbild des künstlich genährten Säuglings in der Anstalt. Zschr. Kinderh., 1931, 51: 135-69.—**Liccardi, V.** Risultati di allattamento artificiale nei Centri dell'Opera Naz. M. I. di Napoli. Morgagni, 1935, 77: 575-9.—**Maurer, S., Greengard, J.** [et al.] The effect of small quantities of breast milk, liver extract, iron and copper, respectively and in combinations, upon the iron balance of artificially fed infants. J. Pediat., S. Louis, 1934, 4: 356-65.—**Rothe Mayer, A.** [Hemoglobin and erythrocyte values in healthy, artificially fed infants up to 1 year of age] Ugeskr. laeger, 1940, 102: 1287-90.

— **artificial: Pathology.**

See also **Anemia; Dyspepsia; Infant mortality, Causes; Infant nutrition, Disorder, etc.**

Grävinghoff, W. Untersuchungen über die Ziegenmilchanämie. 84p. 8°. Berl., 1928.

Careddu, G. Idremia ed eliminazione del cloruro di sodio nel bambino ad allattamento al seno e ad allattamento artificiale. Acta paediat., Upps., 1938, 22: 150.—**Daniels, A. L., & Forman, M. B.** Relation of various substances used in the artificial feeding mixtures of infants to nutritional anemia. Proc. Soc. Exp. Biol., N. Y., 1930-31, 28: 431.—**Groot, J. de, sr.** [Vitamins, rickets and artificial feeding of infants] Geneesk. gids, 1928, 6: 901-12.—**Taillens, J.** Lait condensé sucré et carie dentaire. Rev. méd. Suisse rom., 1930, 50: 770-2.—**Tezilac, F.** Studio comparativo tra lattanti al seno e ad alimentazione innaturale nei riguardi della morbidità. Med. ital., 1934, 15: 443-51.

— **artificial: Pathology.**

See also **Anemia; Dyspepsia; Infant mortality, Causes; Infant nutrition, Disorder, etc.**

Grävinghoff, W. Untersuchungen über die Ziegenmilchanämie. 84p. 8°. Berl., 1928.

Careddu, G. Idremia ed eliminazione del cloruro di sodio nel bambino ad allattamento al seno e ad allattamento artificiale. Acta paediat., Upps., 1938, 22: 150.—**Daniels, A. L., & Forman, M. B.** Relation of various substances used in the artificial feeding mixtures of infants to nutritional anemia. Proc. Soc. Exp. Biol., N. Y., 1930-31, 28: 431.—**Groot, J. de, sr.** [Vitamins, rickets and artificial feeding of infants] Geneesk. gids, 1928, 6: 901-12.—**Taillens, J.** Lait condensé sucré et carie dentaire. Rev. méd. Suisse rom., 1930, 50: 770-2.—**Tezilac, F.** Studio comparativo tra lattanti al seno e ad alimentazione innaturale nei riguardi della morbidità. Med. ital., 1934, 15: 443-51.

— Climatic and seasonal factors.

BLOOM, C. J. The care and feeding of babies in warm climates. 358p. 8°. N. Orl. [1937]

Blackham, R. J. Infant feeding in warm climates. J. State M., Lond., 1937, 45: 462-73.—Brooke, R. Infant feeding in the tropics. Am. J. Trop. M., 1926, 6: 403-19.—Hamburger, R. Ueber die zweckmässige Ernährung des Säuglings und Kleinkindes in den Sommermonaten. Med. Welt, 1931, 5: 1056.—Hasseltmann-Kahlert, M. Meine superkalorische Säuglingsnahrung mit besonderer Berücksichtigung des Energiequotienten beim Säugling in den Tropen. Arch. Schiff. Tropenhyg., 1933, 37: 399-408.—Trambusti, B. Acclimatazione ed alimentazione del bambino italiano in Africa. Difesa sociale, 1940, 19: 625-62.

— Clinical aspect.

See also subheadings (Principles; Problems)

Baptista, V. Considerações sobre a nutrição da criança. Tribuna med., Rio, 1926, 32: 241; 253; 265.—Fitzgerald, E. Some practical experiences in modern infant feeding. N. Zealand M. J., 1933, 32: 21-33.—Irving, F. C. The feeding of the newborn infant from the obstetrician's point of view. Boston M. & S. J., 1926, 194: 1167.—McKee, J. H. Infant feeding once more. Atlantic M. J., 1925-26, 29: 618-23.—Marriott, McK. Practical points in feeding and care of infants. Month. Bull. Kansas City Clin. Soc., 1927, 3: 15-8.—Potter, P. S. The clinical aspects of infant feeding. Arch. Pediat., N. Y., 1934, 51: 310-9.—Rohrbach, H. O. Preventive pediatrics from an infant-feeding standpoint. Atlantic M. J., 1927-28, 31: 379-81.—Scobey, R. R. The importance of infant feeding to the general practitioner. Arch. Pediat., N. Y., 1933, 50: 110-22.—Wilson, J. G. Infant feeding and its relation to the health of the school child. Pub. Health, Lond., 1933, 46: 356-63.

— complementary [pre- and postlacteal]

BONNEAU, H. *L'alimentation complémentaire du nourrisson à l'allaitement artificiel. 86p. 8°. Par., 1927.

Dayras, J. L'usage précoce des boudilles chez le nourrisson. Hôpital, 1931, 19: 454.—Kaliski, S. A reappraisal of prelacteal feeding. Texas J. M., 1941-42, 37: 288.—Kozlov, F. S. [On early additional feeding and weaning] Sovet. pediat., 1935, No. 4, 113-20.—Montagna, C. P., & Vernocchi, P. J. Necesidad de completar la alimentación en el primer año de vida (agregados de vitaminas y minerales) Sem. méd., B. Air., 1937, 44: pt 1, 1048-51.—Riesenfeld, E. A., & Lichtenberg, H. L. A comparative study of complementary feedings in 1,182 newborn infants. Arch. Pediat., N. Y., 1938, 55: 553-9.—Ruiz Marín, J. A. Alimentación complementaria precoz del lactante. Medicina, Madr., 1942, 10: pt 2, 149-58.—Russell, A. E., McKee, T. Complementary feeding of the suckling infant. Lancet, Lond., 1938, 2: 832.—Sanford, H. N. Various complementary feedings used during the neonatal period; effect on the gain in weight and the stimulation of breast milk. J. Am. M. Ass., 1939, 113: 470-5.—Schneider, G. H. Zweckmässige Formen der Säuglingszukunft. Zschr. Geburtsh. Gyn., 1930-31, 99: 557-65.—Schorer, E. H., & Laffon, F. L. A clinical evaluation of 7 prelacteal feeding procedures in 962 consecutive newborn infant. J. Pediat., S. Louis, 1935, 7: 613-24.—Schorer, E. H., & Seely, C. W. Efficiency of the sugar hydrating solution as a prelacteal feeding. Arch. Pediat., N. Y., 1941, 58: 769-73.—Walthall, D. Postlactation feeding. Am. J. Dis. Child., 1939, 58: 1350.—Wilbar, C. L., jr. Prelacteal feeding. Tr. Hawaii M. Ass., 1938, No. 48, 22-8.

— deficient and faulty.

See also Deficiency disease—in children; also under names of deficient nutrients as Vitamin, etc.

Bloch, C. E. [Effects of vitamin deficiency in infants during the first year of life; dental caries and vitamins] Hospitalstidende, 1931, 74: 265-82.—Capper, A. Facts and fads in infant feeding. Med. Times, N. Y., 1931, 59: 102-5.—Carrillo Gil, A. Manifestaciones de la nutrición deficiente en los niños. Rev. méd. Yucatán, 1940-42, 21: 29-36.—Chwalibogowski, A. von. Experimentaluntersuchungen über kalorisch ausreichende, qualitativ einseitige Ernährung des Säuglings. Acta paediat., Upps., 1938, 22: 110-23.—Darrow, D. C., Ross, W. R. [et al.] Diseases due to defective diets. In Pract. Libr. M. & S. (Appleton) 1935, 7: 211-28.—Hoffmann, P. Welche Fehler müssen in der natürlichen und künstlichen Ernährung im Säuglings- und Kleinkindesalter vermieden werden? Med. Welt, 1939, 13: 948-53.—Horn, F. Bedenkliche Ratschläge und Wege auf dem Gebiet der Säuglingsernährung. Med. Klin., Berl., 1937, 33: 1401.—Jaso, E. La hipalimentación vitamínico-salina en el período de destete. Arch. med., Madr., 1930, 33: 557-63.—Lederer, R. Die häufigsten Fehler in der Säuglingsernährung; künstliche Ernährung. Wien. klin. Wschr., 1928, 41: 1059-61.—Lorenz, E. Erfolge und Misserfolge bei der Ernährung des Säuglings und Kleinkindes. Internat. Nurs. Rev., Genève, 1938, 12: 356-76.—Mathieu, R., & Vasseur, N. Etude sur le prurigo atrophus et les insuffisances alimentaires

dans l'enfance. Arch. mal. app. digest., Par., 1930, 20: 322-7.—More, E. Häufige Fehler bei der Säuglingsernährung, die auf Missverständnissen beruhen. Münch. med. Wschr., 1935, 82: 949-51.—Mouriquand, G. La precocencia en el niño; sus aspectos clínicos y biológicos. Siglo méd., 1932, 89: 187-91.—Les préférences infantiles devant la thérapeutique. Pediat. prat., S. Paulo, 1939, 10: 279-86.—Pritchard, E. Observations on common mistakes in the artificial feeding of infants. Brit. M. J., 1926, 2: 549-51.—Rueda, P. Dos nuevas formas de hipovitaminosis en el lactante. Sem. méd., B. Air., 1941, 48: pt 1, 585-90.—Schreiber, G. De quelques erreurs courantes dans l'alimentation des nourrissons. Bull. méd., Par., 1936, 50: 127.—Scroggie, A. Síndromes carenciales en la infancia. Rev. chilena pediat., 1941, 12: 247-87.—Wright, M. D. Nutritional problems of the nursery school; supplementing vitamin and other deficiency. Nurs. Times, Lond., 1942, 38: 160.

— Disorder.

See also Nutrition, Disorder; also specific names of nutritional disorders in infancy and childhood as Dehydration; Dystrophy, infantile; Enteritis, etc.

Freudenberg, E. Physiologie und Pathologie der Verdauung im Säuglingsalter. 201p. 8°. Berl., 1929.

Schweizer, F. Trastornos nutritivos del lactante (disontia) 379p. 23cm. B. Air., 1941.

Alcantara, P. de. Aspectos gerais dos distúrbios do estado nutritivo do lactente. Ann. paul. med. cir., 1939, 37: 493-512.—Amarante, J. Doenças digestivas e nutritivas da criança. Fol. med., Rio, 1927, 8: 159-63.—Ariztia, A. Distrofias y alimentación en la infancia. Rev. med. aliment., Santiago, 1933-35, 1: 15-26.—Aron, H. Die Nährschäden des Kindes. Erg. ges. Med., 1928, 11: 469-518.—Baumann, T. Ernährung und Ernährungsstörung im Säuglingsalter. Schweiz. med. Wschr., 1937, 67: 389-94.—Bickerstaff, J. H. Malnutrition of infants. J. Florida M. Ass., 1927-28, 14: 78-82.—Blanton, J. L. Malnutrition during early childhood. West Virginia M. J., 1932, 28: 163-6.—Bratusch-Marrain, A. Ernährung und Ernährungsstörungen des Säuglings. Wien. med. Wschr., 1930, 80: 1581; 1625; 1931, 44: 710.—Burghi, S. E. Contribución al estudio de las perturbaciones digestivas y de la nutrición del lactante. An. Fac. med., Montev., 1929, 14: 253-71.—Capon, N. B. Malnutrition in children. Med. Press & Circ., Lond., 1941, 205: 417-21.—Cardona Mateo, L. Ideas actuales sobre los trastornos nutritivos del lactante. Actual. méd., Granada, 1942, 18: 386-95.—Caselli, E. G. Nueva orientación funcional en el lactante. Rev. As. méd. argent., 1940, 54: 124-6.—Cavengt, S. Breves consideraciones acerca de las dispepsias de los lactantes. Pediat. españ., 1926, 15: 15; 51; 65.—Cienfuegos, E. Los trastornos nutritivos crónicos del lactante. Rev. chilena pediat., 1939, 10: 629-39.—Cozzolino, O. Prolegomeni sulle turbe della nutrizione nei lattanti. Lattante, 1931, 2: 617; 671.—Dembo, L. H. Malnutrition in infancy and childhood. In Ther. Infancy (Litchfield, H. R., et al.) Phila., 1942, 1: 522-6.—Elizalde, P. de. Las ideas que encarnaba Finkelstein sobre la patología de los procesos nutritivos del lactante y su influencia sobre la pediatría argentina. An. Soc. puericult. B. Aires, 1942, 8: 207-17.—Gómez, F. Desnutrición infantil en México. Tr. Panamer. M. Congr. (1931) 1933, 3. Congr., 495-501.—Hamburger, F. Die chronische Unterernährung und Ueberfütterung im Säuglingsalter. Mitt. Verein. Aerzte Steiermark, 1925, 62: 152.—Hess, J. H. Feeding and the nutritional disorders of infancy. J. Michigan M. Soc., 1930, 29: 1-6.—Ismail Sabri. Nutritional disturbances J. Egypt. M. Ass., 1935, 18: 56-62.—Jacottet, M. Les maladies de la nutrition chez le nourrisson. Praxis, Bern, 1929, 18: H. 43, 1; 3; H. 45, 1.—Kerr-Cross, G. The disorders of infant feeding. J. M. Ass. S. Africa, 1929, 3: 539-45.—La Torre, G. I disturbi della nutrizione nel lattante. Pediat. prat., Mod., 1934, 11: 309-14.—Lattes, E. Andamento stagionale della morbidità per malattie della nutrizione nella prima infanzia in Torino. Pediat. med. prat., Tor., 1937, 12: 346-52.—Lepsky, E. M. [Disorders of digestion and nutrition in children] Kazan. med. J., 1941, 37: No. 2, 3-7.—McIlwaine, W. B. Some impressions on gastro-intestinal diseases in infants and young children. Virginia M. Month., 1929-30, 56: 17-23.—McNeil, C. Some minor digestive disorders in breastfed infants during the first month. Tr. Edinburgh Obst. Soc., 1931, 51: 72-83.—Marfan, A. B. Quelques aphorismes sur l'alimentation et les troubles digestifs dans la première enfance. Nourrisson, 1929, 17: 129-32.—Marriott, W. McK., & Jeans, P. C. Malnutrition, atrepsia, marasmus. In their Inf. Nutr., 3. ed., S. Louis, 1941, 234-52.—Mills, H. B., & Goldberg, S. Malnutrition in infancy. Med. J. & Rec., 1926, 124: 220-2.—Nelson, W. E. Nutrition and nutritional disturbances. In Cyclop. Med. (Piersol-Bortz) Phila., 1938, serv. vol., 1003-13.—Newman, S. A graphic presentation of nutritional disturbances of infancy. Virginia M. Month., 1925-26, 52: 642-4.—Nutritional disorders. In Ther. Infancy (Litchfield, H. R., et al.) Phila., 1942, 1: 512-29.—Ortiz, A. The severe acute nutritional disturbances of infants. Bol. As. méd. Puerto Rico, 1940, 32: 75-85.—Reiche, A. Die Systematik der Ernährungsstörungen des Säuglings- und Kleinkindesalters und ihre

Behandlung. Zschr. ärztl. Fortbild., 1925, 22: 4-9.—**Rohmer, P.** Contributions à l'étude des troubles digestifs du nourrisson. Rev. fr. pédiat., 1927, 3: 275.—**Ronald, A. R.** Nutritional disturbances of infancy. Ind. J. Pediat., 1940, 7: 20-32.—**Rüiz, C.** Conceptos actuales sobre algunos trastornos nutritivos del lactante. Dia méd., B. Air., 1941, 13: 336-8.—**Schlutz, F. W.** Malnutrition in infancy and childhood. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 9: 515-21.—**Scroggie, V. A.** Trastornos nutritivos agudos en el lactante. Rev. chilena pediat., 1939, 10: 585-628.—**Tailens, J.** Considérations sur l'alimentation et les troubles digestifs du nourrisson. Rev. méd. Suisse rom., 1936, 56: 460-78.—**Tatafiore, E.** Costituzione e disturbi della nutrizione. Pediatria (Riv.) 1934, 42: 882-8.—**Thatcher, L.** The food disorders of infancy. Edinburgh M. J., 1921, n. ser., 36: 177-87.—**Torday, F.** Die chronischen Ernährungsstörungen des Säuglingsalters. Med. Klin., Berl., 1928, 24: 1693-5.—**Torrelló Cendra, M.** Conceptos basales en los trastornos digestivos del niño de pecho. Rev. españ. méd. cir., 1926, 9: 1-5.—**Vogt, H.** Ernährungsstörungen des Säuglings 1936-39. Mschr. Kinderh., 1936, 65: 344-55; 1937, 71: 98-115; passim.

Disorder: Allergy.

See also Allergy, food: Milk; Allergy—in children.

Belfrage, H. [Idiosyncrasy to cow's milk] Sven. läk. tidn., 1931, 28: 559-62.—**Donnelly, H. H.** Feeding after first year in relation to allergy. J. Pediat., S. Louis, 1940, 16: 665-72.—**Foa, A.** L'anafilassi da latte vaccino nel lattante. Pediat. med. prat., Tor., 1933, 8: 538-45.—**Greer, D.** The treatment of food allergy in young infants. Texas J. M., 1933, 29: 370-2.—**Hallerman, H.** Milk allergy in infants. Med. J. & Rec., 1929, 130: 147.—**Hill, L. W.** Infant feeding in the first year in relation to allergy. J. Pediat., S. Louis, 1940, 16: 663-5.—**Marfan, A. B.** Les injections sous-cutanées du lait de vache comme épreuves révélatrices de l'anaphylaxie pour ce lait; leur action désensibilisante. Arch. pediat. Uruguay, 1940, 11: 345-7.—**Ross, J. B.** The advantages of evaporated milk in allergy and infant feeding. Med. J. & Rec., 1932, 136: 276.—**Rubin, M. I.** The intestinal manifestation of milk allergy in the newborn period. Pennsylvania M. J., 1941-42, 45: 711-4.—**Weill, E.** Intolérance pour le lait chez le nourrisson; tentative de traitement par l'injection sous-cutanée du lait intoléré. Médecine, Par., 1919-20, 1: 655-8.—**Wolpe, L. Z.**, & **Silverstone, P. C.** A series of substitutes for milk in the treatment of allergies. J. Pediat., S. Louis, 1942, 21: 635-58.

Disorder: Atrophy [Athrepsy of Parrot; Decomposition of Finkelstein]

See also Atrophy; Dys trophy; Marasmus.

D'Arcy, M. J. A. *Des hypotrophies d'origine digestive dans la première enfance; de leurs causes et de leur traitement. 191p. 8° Par., 1936.

GOEBEL, A. *Späteres Schicksal atrophischer Säuglinge. 16p. 8° Gött., 1934.

LEVY, M. M. *Etudes sur les cachexies des nourrissons. 116p. 8° Par., 1926.

SCHULLER, A. *Ueber die alimentäre Dekomposition und Inanitionszustände mit einem eigenen Fall von Hungeratrophie bei einem nur mit Rohkost ernährten Kind [Heidelberg] 16p. 21cm. Würzb., 1937.

SIBILSKY, C. E. *Athrepsia (malnutrition in infants) [Marquette Univ.] 13p. 4° Milwaukee, 1926.

WENKE, F. *Ueber einen Fall von perforiertem Geschwür der Vorderwand und frischem Geschwür der Hinterwand des Duodenum bei Pädatrie. 24p. 8° Erlangen, 1926.

Acute infantile atrophy, decomposition; marasmus. In Ther. Infancy (Litchfield, H. R., et al.) Phila., 1942, 1: 527-9.—**Ajinkya, Y. N.** Marasmus or infantile wasting. J. Ind. M. Ass., 1940-41, 10: 55-8.—**Aron, H.**, & **Pogorschelsky, H.** Organanalytische Untersuchungen bei ernährungs-gestörten Kindern (ein Beitrag zur Dystrophiefrage) Jahrb. Kinderh., 1926, 3. F., 62: 111-34.—**Cannata, S.** Sulla distrofia del lattante. Rass. clin. sc., 1935, 13: 395-9.—**Chabrun, J.** Les hypotrophies du nourrisson au delà du cinquième mois. Bull. méd., Par., 1931, 45: 471-3.—**Coppolino, A.** La tiroide in lattanti atrofici. Pathologica, Genova, 1936, 28: 462-6.—**Dorleincourt, H.** Etude des processus d'adipolyse au cours des états de dénutrition de la première enfance. Nourrissons, 1933, 21: 221-31.—& **Falcon.** Recherches sur les processus d'adipolyse au cours des états de dénutrition de la première enfance. Bull. Soc. pédiat. Paris, 1929, 27: 82-7.—**Engel, S.** Die Dystrophie und Atrophie der Säuglinge. Deut. med. Wschr., 1926, 52: 561-5.—**Escontria, M.** La desnutrición en la primera infancia. Gac. méd. México, 1928, 59: 580-5.—**Franke, J.**, & **Wittenberg, A.** Ernährungsstudien bei atrophischen Säuglingen. Mschr. Kinderh., 1926, 32: 413-20.—

Garot, L. Les syndromes de la dénutrition grave dans la première enfance. Liège méd., 1928, 21: 3-26.—**Gralka, R.**, & **Pogorschelsky, H.** Untersuchungen über die Lipoidfraktionen des Gehirns bei ernährungs-gestörten Kindern (ein weiterer Beitrag zur Dystrophiefrage) Jahrb. Kinderh., 1927, 116: 1-7, tab.—**Greenwald, H. M.** Dystrophy in artificially fed infants. Med. Clin. N. America, 1927-28, 11: 1055-69.—**Hainiss, E.** Il lattante cunctatrofo. Lattante, 1937, 8: 263-6.—[Dissociation of water and salt metabolism in certain cases of infantile atrophy] Orv. hetil., 1937, 81: 1285.—Ueber den Wasserhaushalt atrophischer Säuglinge. Acta paediat., Upps., 1938, 22: 133-5.—**Hamilton, B.**, & **Shock, N. W.** The composition of growth; infantile atrophy. Ibid., 1933-34, 15: 314-29.—**Jancu, A.** [Infantile dystrophy of nutritional and infectious origin] Cluj. med., 1927, 8: 465-79.—**Jansen, J. L. M.** La perte de poids peut-elle servir au pronostic de l'hypothèse et de l'athrepsie? Nourrisson, 1926, 14: 377-80.—**Jaso, E.** Glycemia in cachexia of nurslings. Am. J. Dis. Child., 1932, 43: 1051-61.—**Jehle, L.** [Ueber einen Fall von rapidem Gewichtssturz bei einem Säugling von 2½ Monaten] Med. Klin., Berl., 1926, 22: 1587. Also Wien. med. Wschr., 1926, 76: 888.—**Lemaire, H.** Les états de dénutrition de la première enfance. Rev. méd. Suisse rom., 1926, 46: 772-91.—**Levine, S. Z.**, **Wilson, J. R.**, & **Gottschall, G.** The respiratory metabolism in infancy and in childhood; the respiratory exchange in marasmus; basal metabolism. Am. J. Dis. Child., 1928, 35: 615-30.—**Lévy, M. M.** Le fonctionnement rénal des nourrissons cachectiques. Bull. Soc. pédiat. Paris, 1926, 24: 280-7.—**Mattel, C.** Note sur l'anatomie pathologique des glandes à sécrétion interne dans l'athrepsie. C. rend. Congr. fr. méd., 1923, 17. sess., 370-6.—**Moncrieff, A.** Wasting or marasmus. Practitioner, Lond., 1939, 142: 413-20.—**Morelli, E.** Contributo alla conoscenza della patogenesi dell'atrofia infantile. Sperimentale, 1928, 82: 57-66.—**Mouriquand, G.** Notes sur l'athrepsie. Médecine, Par., 1925-26, 7: 808-13.—Influence du jeune âge sur la genèse des dystrophies d'origine alimentaire. Rev. méd. Suisse rom., 1926, 46: 155-62.—Les états de dénutrition de la première enfance; étiologie, pathogénie et traitement. Bull. Soc. pédiat. Paris, 1926, 24: 345-52. Also Rev. méd. Suisse rom., 1926, 46: 709-71.—Les états de dénutrition de la première enfance. Méd. inf., Par., 1927, 33: 15-31.—Les états de dénutrition dans la première enfance et l'athrepsie. J. méd. Paris, 1927, 46: 151-5.—Formes étiologiques de l'athrepsie et des dystrophies du premier âge. Ann. méd., Par., 1928, 22: 97-118.—Athrepsie et dystrophies irréversibles. Bull. Acad. méd. Roumaine, 1936, 1: 239-45.—**Navarro, J. C.** Hipertonía muscular generalizada en lactantes en estados caquéticos. Arch. españ. pediat., 1931, 15: 577-90.—Hipertonía muscular en un lactante caquético. Arch. argent. pediat., 1935, 6: 356-61.—**Nobécourt, P.** Azotémie et athrepsie. Rev. fr. pédiat., 1927, 3: 601-10.—& **Lévy, M. M.** La tolérance au sucre des nourrissons cachectiques. Bull. Soc. pédiat. Paris, 1926, 24: 287-92.—**Parsons, L. G.** Diseases of nutrition: infantile atrophy. In: Dis. Child. (Thursfield & Paterson) Lond., 1934, 112-22.—**Ramón Guerra, A. U.** Sobre el concepto de la distrofia farinácea. Arch. argent. pediat., 1942, 17: 397.—**Ribadeau-Dumas, L.**, **Chabrun, & de Traversé.** Les graisses viscérales des athrepsiques. Bull. Soc. pédiat. Paris, 1927, 25: 46-50.—**Robin, P.** Les facies dysthropsiques chez l'enfant; leur causes, leur conséquences, leur traitement. J. méd. Paris, 1922, 41: 780-2.—**Rohmer, P.** Contributions à l'étude des troubles digestifs du nourrisson; à propos de la définition de l'athrepsie vraie et son pronostic. Rev. fr. pédiat., 1927, 3: 409-15.—**Roi, G.** Ricerche sul contenuto in ferro nel fegato e nella milza degli atrepsici. Lattante, 1931, 2: 753-60.—**Rominger, E.**, & **Meyer, H.** Mineralstoffwechseluntersuchungen beim Säugling; die Mineralbilanz bei dystrophischen Zuständen. Arch. Kinderh., 1928, 85: 23-58.—**Roughitch, D. O. S.** Dissociation in the ponderal and statural growth of the atrophic infant. Postgrad. M. J., Lond., 1935, 11: 304-13.—**Sarabia y Pardo, J.** Atrofia infantil. Pediat. españ., 1927, 16: 161; 1933.—**Schiaparelli, P.** Ricerche sulla lipemia, sulla aminoacidemia, e sulla glicemia del periodo digestivo, nel lattante sano e nell'atrepsico. Riv. clin. pediat., 1935, 33: 946-70.—**Schlutz, F. W.** Athrepsia. In Cyclop. M. (Piersol-Bortz) Phila., 1939, 1: 850-5.—**Seckel, H.** Die Blutmenge normaler und dystrophischer Säuglinge. Jahrb. Kinderh., 1929-30, 3. F., 76: 83-94.—**Simonini, A.** Contributo allo studio dell'ipotrofia ed atrofia nel lattante. Clin. pediat., Mod., 1933, 15: 39-83.—**Spät, W.**, & **Hoder, F.** Zur Frage des Marasmus. Med. Klin., Berl., 1922, 18: 1057; 1931, 27: 1102.—**Spyropoulos, N. J.** Contribution à l'étude et au traitement de l'hypothrepsie des nourrissons. Arch. méd. enf., 1930, 33: 223-30.—**Suzuki, T.**, & **Siraisi, S.** Nuclear shift of neutrophiles in infantile atrophy. Tohoku J. Exp. M., 1938, 32: 464-9.—**Thursfield, H.** The use of banana pulp in the feeding of marasmic infants. Arch. Dis. Childh., Lond., 1927, 2: 49-54.—**Török, G.** Die Chloraufnahme aus dem strömenden arteriellen Blute bei der Atrophie. Mschr. Kinderh., 1933, 56: 237-9.—**Torday, F.** [Trauma of the newborn as etiological factor of infantile atrophy] Budapesti orv. ujs., 1932, 30: 1035-40.—**Tripputi, V.** L'eliminazione della creatinina nei lattanti distrofici. Pediatria (Riv.) 1926, 34: 415-20.—**Vaccari, D.** Contributo allo studio de l'atrepsia infantile. Pediat. prat., Mod., 1930, 7: 111-26.—**Vegas.** Atrofia en el lactante. Siglo méd., 1933, 92: 5-8.—**Viladrich, V.** Algunas consideraciones sobre etiología y patogenia de la atrofia general. Med. niños,

1931, 32: 340-5.—Wilson, J. R., Levine, S. Z., & Kelly, M. The respiratory metabolism in infancy and in childhood; the respiratory exchange in marasmus; effect of muscular activity. *Am. J. Dis. Child.* 1930, 39: 736-46.

Disorder: Atrophy: Treatment.

GUÉRIN, S. *Contribution à l'étude du traitement thyroïdien dans les cachexies des nourrissons. 88p. 8° Par., 1930.

Acuña, M., & Winocur, P. Consideraciones sobre dos casos de atropia tratados con raciones concentradas de alimento artificial. *Rev. espec. B. Air.* 1929, 4: 344-55.—Amici, D. L'insulinoterapia nell'atropia della prima infanzia. *Policlinico*, 1930, 37: sez. prat., 1318-20.—Auerbach. Die Insulinbehandlung bei Frühgeburten und dystrophischen Neugeborenen. *Klin. Wschr.* 1927, 6: 90.—Benfey, A. Zur Insulinbehandlung schwerer Ernährungsstörungen im Säuglingsalter. *Ther. Gegenwart*, 1927, 68: 381.—Bernheim-Karrer, J. Erfahrungen mit der Ernährung dystrophischer Säuglinge mit Milchsäure-Vollmilch nach Marriot. *Schweiz. med. Wschr.* 1929, 59: 973-5.—Blechmann, G., Chabanier, A., & Pruneau, J. Hypothésie avec hyperglycémie chez une débile issue d'une toxémiane; résultats heureux du traitement insulinaire. *Bull. Soc. pédiat.* Paris, 1933, 31: 195-202.—Bodin, E., & Chevreil, M. L. Traitement de l'atropie par le sulfarsénol. *Presse méd.*, 1926, 34: 771.—Buschmann. Lipoidtherapie der Atropie mit Dekomposition; schwere Dekomposition (Finkelstein) *Mscr. Kinderh.*, 1926, 34: 472-7.—Cabanilla Cevallos, F. El extracto tiroideo en los estados de desnutrición de la infancia. *Crón. méd. mex.*, 1932, 31: 641-8.—Cozzolino, O. La debile fiamella che si spegne; il lattante atropico (le benemerenze del regime nella tutela della primissima infanzia) *Lattante*, 1932, 3: 341-54.—Dörholt, P. Weitere Erfahrungen mit entfeteter Frauenmilch bei jungen dekomponierten Säuglingen. *Mscr. Kinderh.*, 1926, 32: 366-72.—Engel, S. Contribution to the pathology and treatment of the wasting infant. *Brit. J. Child. Dis.*, 1941, 38: 123-9.—Garot, L. Données nouvelles sur l'action de l'insuline dans la dénutrition grave du nourrisson. *C. rend. Congr. fr. méd.* (1930) 1931, 21, sess., 315-21.—Garrahan, J. P. Dos casos de descomposición (Finkelstein) curados con leche albuminosa. *Sem. méd.*, B. Air., 1919, 26: 2: 49.—& Pintos, C. M. La leche de almendras de Moll en el tratamiento de la dispepsia del lactante, alimentado artificialmente. *Sem. méd.*, B. Air., 1929, 26: pt 2, 1043-5.—Hinden, E. Marasmus treated by breast-milk. *Proc. R. Soc. M., Lond.*, 1939-40, 33: Sect. Stud. Dis. Child., 371.—Kop, W. A. [Blood transfusion in the treatment of infantile marasmus] *Ned. mschr. geneesk.*, 1928-29, 15: 415-31.—Lesné, A. Propos du traitement de l'hypothésie et de l'atropie. *Bull. Soc. pédiat.* Paris, 1926, 24: 356.—López Lomba, J. Revista crítica de los tratamientos modernos de la atropia y las hipotrofias de la primera infancia. *Rev. méd. lat. amer.*, B. Air., 1932-33, 18: 664-73. Also *Crón. méd. mex.*, 1933, 32: 180-5.—Lyon, G. Le traitement de l'atropie et des hypotrophies infantiles. *Bull. méd.*, Par., 1939, 53: No. 37, Suppl., 1-4.—Macciotta, G. La alimentazione degli atrofici. *Riv. clin. pediat.*, 1931, 29: 209-34.—McCrea, E. F. W., & Raper, H. S. The treatment of certain forms of infantile atrophy with atmospheres enriched by oxygen and carbon dioxide. *Q. J. Med.*, Oxf., 1928-29, 22: 269-79.—Maillet, M. Notes cliniques à propos des régimes de réduction et de suppression du lait chez les nourrissons dyspeptiques et hypotrophiques. *J. méd. Paris*, 1933, 53: 247-50. Also *Méd. inf.*, Par., 1933, 40: 1-18.—Marfan, A. B. Sur la définition de l'atropie; sa prophylaxie par le régime alimentaire et l'hygiène. *Bull. Soc. pédiat.* Paris, 1926, 24: 370-6. — L'alimentation des débiles et des hypotrophiques à l'hospice des Enfants-Assistés. *Bull. Acad. méd.*, Par., 1928, 3. ser., 99: 973-88. Also *Nourrisson*, 1929, 17: 1-15. — & Chevalley, M. Essai de substitution du lait acidifié au babeurre dans l'alimentation des nouveau-nés débiles et hypotrophiques. *Ibid.*, 1928, 16: 257-66.—Marini, R. L'estratto tiroideo nella cura delle cachessie del lattanti. *Policlinico*, 1931, 38: sez. prat., 1693-7.—Morales González, J. L. Tratamiento de la atropia. *Med. niños*, 1933, 34: 198-202.—Mouriquand, G. Traitement des états de dénutrition du premier âge et de l'atropie. *J. méd. Lyon*, 1927, 8: 81-7. — & Bertoye. Ultraviolet stralen en atropie. *Ned. tschr. geneesk.*, 1926, 70: pt 2, 119.—Mouriquand, G., Chevalier & Jossierand, A. Essai de traitement par la diathermie dans l'atropie. *Lyon méd.*, 1926, 137: 468-70.—Nobécourt, P. Les hautes doses de sucre de canne chez les nourrissons cachectiques. *Bull. Soc. pédiat.* Paris, 1926, 24: 352-6. — La tolérance des nourrissons pour le sucre; les hautes doses de saccharose chez les bébés cachectiques. *Arch. méd. enf.*, 1927, 30: 313-38. — & Lévy, M. M. Les injections d'extraire thyroïdien à haute dose dans certaines cachexies des nourrissons. *Bull. Soc. pédiat.* Paris, 1926, 24: 64-8. Also *Progr. clin.*, Madr., 1926, 34: 523-35.—Nobécourt, P., Liège, R., & Guérin. Observations de nourrissons atrophiques traités par l'extraire thyroïdien. *Arch. méd. enf.*, 1930, 33: 647-58.—Novic. De l'emploi du glucose à doses massives dans le traitement de l'atropie du nouveau-né. *Rev. fr. gyn. obst.*, 1927, 22: 281-3.—Péteri, I. [Pathology and therapy of infantile atrophy] *Orvosképzés*, 1932, 22: 620-32.—Poggi, M. Efficacia delle iniezioni di siero normale di cavallo nei bambini affetti da atropia del Parrot o decomposizione di Finkelstein. *Gior. clin. med.*, 1928, 9: 177.—Ribadeau-Dumas, L., Mathieu, R. [et al.] Indication des différents sérums artificiels dans les marasmes

infantiles; valeur du rapport; chlore globulaire, chlore plasmatique. *Bull. Soc. pédiat.* Paris, 1930, 28: 71-82.—Roboz, P. [Hormonal therapy of infantile atrophy]. *Orv. hetil.*, 1935, 79: 467-9. Also *Jahrb. Kinderh.*, 1935, 3. F., 94: 240-7.—Roi, G. L'insulino-terapie in alcuni stati distrofici della prima infanzia; l'azione dell'insulina negli stati di denutrizione. *Clin. pediat.*, Mod., 1927, 9: 823-38.—Simian, I. [Case of infantile atropia with paradoxal hypergenital syndrome, treated with thyroidian opotherapy] *Spitalul*, 1934, 54: 171-4.—Szász, A., & Gárdos, S. Behandlung der Säuglingsatropien mit Leber- und Hypophysenhinterlappen-Extrakten. *Mscr. Kinderh.*, 1938, 76: 322-7.—Torrelló Cendra, M. Consideraciones sobre la etiología y tratamiento de la atropia. *Rev. méd. Barcelona*, 1926, 2. ser., 5: 236-62.—Valledor, T. Lipoterapia intravenosa en los estados de desnutrición grave del lactante. *Bol. Soc. cubana pediat.*, 1938, 10: 134-46. — Casas, F., & Gómez del Río, G. Lipoterapia intravenosa en el tratamiento de la atropia infantil. *Vida nueva, Habana*, 1929, 23: 156-62.—Vasconcellos, J. Un caso de atropia, tipo Parrot, curado. *Arch. lat. amer. pediat.*, B. Air., 1928, 22: 712-7.—Vergara E., A. El tratamiento de la atropia orgánica infantil. *Tr. Panamer. M. Congr.* (1931) 1933, 3. Congr., 502-11.—Voinovici, V. [Morbrei in the treatment of dystrophy in nursing infants]. *Romania med.*, 1935, 13: 62.—Vollmer, H. Perorale Aktivierung bei Dystrophien im Kindesalter. *Fortschr. Ther.* 1928, 4: 247-50.—Wateff, S. Behandlung der Dystrophien mit Hormonen der Hypophyse. *Deut. med. Wschr.*, 1929, 55: 649.—Weissenberg, H. Die Behandlung der Säuglingsatropie mit der Zitrotibimilch. *Arch. Kinderh.*, 1930, 90: 288-304.—West, J. H. Low fat high starch evaporated milk feeding for the marasmic baby. *Arch. Pediat.*, N. Y., 1931, 48: 189-93.

Disorder: Diagnosis and classification.

PODOLSKY, L. *Was leistet die Bestimmung der Darmdurchlaufzeit beim Säugling für die Klinik der Ernährungsstörungen? [Berlin] 32p. 8° Bottrop, 1933.

Cavengt, S. Lacteopatología del lactante: su clasificación. *Arch. españ. pediat.*, 1928, 12: 193-217.—Foster, E. Clasificación de los trastornos de la nutrición y de la digestión en el lactante. *Sem. méd.*, B. Air., 1932, 39: pt 2, 32-43.—Gaug, E. Las disintías del lactante según Bessau; síntesis de su doctrina. *Ibid.*, 1941, 48: pt 2, 1332-8.—Mathiesen, H. Einige Versuche mit einer Milchprobemahlzeit bei Säuglingen. *Acta paediat.*, Upps., 1926, 6: 145-59.—Mouriquand, G. Les syndromes d'insimilation chez l'enfant; leurs aspects cliniques et biologiques. *J. méd. Lyon*, 1933, 14: 515-23.—Ordóñez de V. y G., A. Normas que debemos seguir en el diagnóstico de los trastornos nutritivos agudos del lactante. *Rev. med. cir.*, Baranquilla, 1941, 8: No. 8, 11-41.—Raspi, M. L'enzimoreazione per il latte nello studio dei poteri digestivi del lattante. *Arch. biol.*, Genova, 1927, 4: No. 6, 1-10.—Rohmer, P., & Tassovatz, B. La valeur clinique de l'albuminurie et de la cylindrurie dans les troubles digestifs des nourrissons. *Rev. fr. pédiat.*, 1935, 11: 617-29.—Sáenz Herrera, C. Diagnóstico de los trastornos nutritivos agudos del lactante. *Rev. méd.*, S. José, 1940-41, 4: 521-32.—Vergara E., A. Clasificación de los trastornos nutritivos de la primera infancia. *Gac. méd. México*, 1941, 71: 24-34.—Wilkins, E. H., & Rollason, A. H. Supplementary feeding as a test for malnutrition. *Med. Off.*, Lond., 1937, 58: 115-8.

Disorder: Etiology.

MAIER, E. *Die nachweislichen Entstehungsbedingungen der Ernährungsstörungen bei Säuglingen [Freiburg] 9p. 8° Stuttg., 1929. Also *Arch. Kinderh.*, 1929, 87:

MARFAN, A. B. Etude historique et critique sur les affections de l'appareil digestif dans la première enfance, suivi d'un essai de classification clinique de ces affections. 86p. 8° Par., 1918.

Les affections des voies digestives et les états de dénutrition dans la première enfance. 2. éd. 735p. 8° Par., 1930.

Acuña, E. J. Estudio de los tóxicos de los forrajes, y su influencia en la alimentación del niño. *Rev. med.*, Rosario, 1939, 13: No. 127, 10-26.—Barchetti, K. Ueber periodisch auftretende Darmerkrankungen bei künstlich genährten Säuglingen. *Wien. med. Wschr.*, 1926, 76: 357.—Behrendt, H. Ueber Schädigungen der Säuglinge durch Ernährung mit Ziegenmilch. *Deut. med. Wschr.*, 1926, 52: 1365. — Untersuchungen zur Frage der Ziegenmilchschädigungen bei Säuglingen. *Veröff. Medverwalt.*, 1930, 31: 577-95.—Brennemann, J. Minor nutritional and digestive disorders of the artificially fed infant. In *Pract. Pediat.* (Brennemann, J.) Hagerstown, 1937, 1: chap. 27.—Broca, R., & Marie, J. La fièvre de lait sec. In *Année pédiat.*, 1934, 1: 83-7.—Castañeda, H. Causas de la desnutrición infantil en México. *Rev. mex. puericult.*, 1932-33, 3: 315-44.—Cavengt, S. Lacteopatología del lactante: su clasificación. *Arch. med.*, Madr., 1928, 29: 126-37.—Epstein, B., & Jelinek, O. Abweichungen der physiologischen Darmflora bei mit abgedrückter Frauenmilch

ernährten Säuglingen. Arch. Kinderh., 1931-32, 95: 194-201.—**Escribano, R.** Importancia de la dietética infantil; trastornos en el lactante. Monterrey méd., 1940, No. 49, 1235.—**Espirito Santo, C. A. do.** O abuso do leite como factor distrofiante, en regime de crianças acima de um ano. Pediat. prat., S. Paulo, 1934, 5: 437-46.—**Fanconi.** Die Entstehung und Behandlung der Ernährungsstörungen im Säuglingsalter. Schweiz. med. Wschr., 1928, 58: 845-8.—**Fedunsky, S. I.** [Pathogenesis of disorders of digestion and nutrition in nursing babies] Klin. med., Moskva, 1926, 81-5.—**Feldmann, A. J.** Ueber den Milchnährschaden; nach den Materialien der vierten städtischen Säuglings- und Kleinkinderfürsorgestelle in Odessa. Jahrb. Kinderh., 1927, 3, F., 67: 93-112.—**Garrahan, J. P.** Trastornos nutritivos de los lactantes alimentados artificialmente; introducción. Sem. méd., B. Air., 1941, 48: pt 1, 995-1004.—**Harris, C. F.** Some disorders in infancy associated with carbohydrate in the diet. S. Barth. Hosp. Rep., Lond., 1929, 62: 90-6.—**Heiman, H., & Cohen, P.** Malnutrition in infancy due to chronic infection. Arch. Pediat., N. Y., 1930, 47: 537-42.—**Hill, L. W.** Overfeeding with milk (Milchnährschaden, Bilanzstörung) Med. Clin. N. America, 1927, 10: 1339-44.—**Hirsch, W.** Zur Frage des Zuckerschocks beim Säugling. Arch. Verdauungskr., 1928, 42: 536-41.—**Joslin, C. L.** Some causes of malnutrition in infancy. Med. Clin. N. America, 1937, 21: 1275-89.—**Lederer, R.** Die konstitutionellen Ernährungsstörungen des Brustkindes. Wien. klin. Wschr., 1927, 40: H. 5, Sonderb., 1-12.—**McGee, W. A.** Unrecognized disorders frequently occurring among infants and children from the ill effects of milk. South. M. J., 1938, 31: 1016-20.—**Marriott, W. McK., & Jeans, P. C.** Common infections which are associated with nutritional disturbances. In their Inf. Nutr., 3. ed., S. Louis, 1941, 366-83.—**Masslow, M.** Einige Daten aus der Pathogenese der Ernährungs- und Verdauungsstörungen im frühen Kindessalter. Zschr. Kinderh., 1927, 43: 604-24.—**Meneses, J. G.** Trastornos de origen alimenticio durante la primera infancia. Arch. españ. pediat., 1931, 15: 5; 65; 129.—**Moraga Fuenzalida, G.** Trastornos nutritivos agudos parenterales en el lactante. Arch. pediat. Uruguay, 1940, 11: 348-58.—**Ordóñez, A.** Trastornos nutritivos agudos en niños sometidos a lactancia natural o mixta. Rev. med. cir., Barranquilla, 1939, 6: No. 10, 11-20.—**Orgler, A.** Zur Pathogenese des Milchnährschadens. Jahrb. Kinderh., 1929, 3, F., 74: 72-6.—**Pacchioni, D., & Rossello, A.** Nutrizione, accrescimento ed alimentazione del lattante; patogenesi della distrofia da latte vaccino. Riv. clin. pediat., 1927, 25: 529-42.—**Pease, M. C.** The relation of upper respirat. inf. infection to nutrition in infants and children. N. York State J. M., 1934, 34: 146-9.—**Perez, J. B.** The incidence of malnutrition of children under one year of age in the puericulture centers of the city of Manila. Rev. filip. med., 1928, 19: 227-30.—**Price, N. L.** Digestive disturbances in bottle-fed babies. Med. Press & Circ., Lond., 1938, 197: 520-3.—**Rantasalo, V.** Die Säuglingsazidose bei ei- und kaseinreichen Milchmischungen. Acta paediat., Upps., 1927-28, 7: Suppl. 2, 83-94.—**Richar, A. N.** [Agglutination of maternal milk and gastric disturbances in the new born] Klin. med., Moskva, 1928, 3: 155-61.—**Scheltzema, G.** [Interruptions in feeding and dyspepsia in infants] Ned. tsschr. geneesk., 1929, 73: 1058-63.—**Schippers, J. C.** [Rôle of constitutional influences in the etiology of nutritional disorders in infants] Mschr. kindergeneesk., 1931, 1: 55; 127.— Die Bedeutung konstitutioneller Einflüsse für das Entstehen von Ernährungsstörungen bei Säuglingen. Mschr. Kinderh., 1933, 58: 364-82.—**Schlossmann, A.** Ueber die Giftwirkung des artfremden Eiweisses in der Milch auf den Organismus des Säuglings; zugleich eine Richtigstellung einer ungenauen Angabe in meinem Vortrage: Ueber Kindermilch. Arch. Kindermilch, 1905, 41: 99-103.—**Sokolov, A. S.** [Constitutional alimentary disorders in young children] Vrach. delo, 1936, 19: 837-42.

Disorder: Manifestation.

See also such headings as Anorexia; Thirst; Vomiting, etc.

GOLDBERG, C. L. *La fièvre de lait sec. 59p. 8° Par., 1931.

PERNETTA, C. *A anorexia do lactente [Paraná] 57p. 21½cm. Curitiba, 1929.

Alarcon, A. G. Un nouveau cas de fièvre de lait sec. Bull. Soc. pédiat. Paris, 1929, 27: 477-82.—**Bratusch-Marrain, A.** Eiweissfieber und Perspiration. Arch. Kinderh., 1929, 88: 304.—**Bytch, L.** La fièvre protéinique chez le nourrisson. Rev. fr. pédiat., 1929, 5: 215-20.—**Caussade, L., & Mélik-Pachaiew, P.** Recherches cliniques et expérimentales sur la fièvre de lait sec. Rev. méd. est, 1932, 60: 493.—**Coffin.** Fièvre de lait concentré sucré. Bull. Soc. pédiat. Paris, 1932, 30: 570-4.—**Comby, J.** Nouveau cas de fièvre du lait sec. Ibid., 1927, 25: 393-5.—**Debré, R.** Sulle febbri alimentari del lattante. Rinsc. med., 1939, 16: 721.—**Goiffon, R.** A propos de la communication de M. R. Mathieu [Valeur sémiologique de la teneur des selles du nourrisson en acides organiques et en ammoniac] Bull. Soc. pédiat. Paris, 1929, 27: 110-2.—**Rocheffette.** Les selles des nourrissons normaux au sein et au biberon; essai de syndromes coprologiques. Rev. fr. pédiat., 1926, 2: 273-92.—**Debré, R., &**

Lelong, M. Sur la physio-pathogénie de la fièvre de lait sec. C. rend. Soc. biol., 1930, 105: 694-7.—**Finkelstein, H.** Eiweissfieber und Perspiration. Arch. Kinderh., 1929, 88: 302.—**Hutchison, R., & Moncrieff, A.** Wasting. In their Lect. Dis. Child., 8. ed., Lond., 1940, 114-22.—**Jochims, J.** Klinisch-experimentelle Untersuchungen über das Molkenzuckerfieber. Mschr. Kinderh., 1929, 44: 102-4.—**Also Zschr. Kinderh., 1929, 48: 371-83.**—**Katz, S.** Zur Geschichte des parenteralen und endogenen Infektes. Fortsch. Med., 1928, 46: 285.—**Kerley, C. G.** A symptom complex: Anorexia, gastric retention, mucous gastritis, intestinal stasis. Med. J. & Rec., 1931, 134: 487-91.—**Lelong, M.** Sur un cas de fièvre de lait sec. Bull. Soc. pédiat. Paris, 1927, 25: 335-41.—**Lereboullet, P.** La fièvre de lait sec. Progr. méd., Par., 1931, 1333-8.— Les fièvres alimentaires du nourrisson. Ibid., 1405-9.—**Debré, R.** [et al.] Quelques essais sur la fièvre de lait sec et sa physio-pathogénie. Bull. Soc. pédiat. Paris, 1931, 29: 300-12.—**Lust, M.** Un cas d'hyperthermie prolongée à la suite d'une alimentation avec du lait frais concentré chez un enfant de 8 mois. Arch. méd. enf., 1940, 43: 87-91.—**Mathieu, R.** Valeur sémiologique de la teneur des selles du nourrisson en acides organiques et en ammoniac. Bull. Soc. pédiat. Paris, 1929, 27: 36-42.—**Maynard, P.** L'anorexie des nourrissons. Hôpital, 1938, 26: 85-90.—**Oelsner, A., & Klinke, K.** Beitrag zur Frage der Kalkseifenstühle. Jahrb. Kinderh., 1928-29, 3, F., 72: 58-73.—**Oliveira, O. de.** Peso e alimentação de lactentes. Fol. med., Rio, 1931, 12: 186-8.—**Padilla Roque, C. M.** El signo del dorso (Knudsen y Schiötz) como expresión de estados de desnutrición en los niños. Dia méd., B. Air., 1940, 12: 1030-2.—**Also Guatemala méd., 1941, 6: No. 5, 5.**—**Rietschel.** Einige Bemerkungen über Durstzustände bei Säuglingen und Kleinkindern. Fortsch. Ther., 1927, 3: 193-5.—**Rohmer, P., Corgan, P., & Klein, F.** Contributions à l'étude des troubles digestifs du nourrisson; la valeur clinique du phénomène de l'acidose dans les troubles digestifs du nourrisson. Rev. fr. pédiat., 1927, 3: 286-96.—**Schiff, E.** Durstzustände beim Säugling. Kinderärztl. Prax., 1930, 1: 58-65.—**Smith, E.** Food fever in children. Pediatrics, 1906, 18: 767-73.—**T., J.** Les fièvres alimentaires du nourrisson. Liège méd., 1931, 24: 1421-44.—**Terrien, E.** Fièvre digestive du nourrisson (fièvre de lait sec) Rev. gén. clin. théor., 1934, 48: 565.—**Tixier, L.** Les fièvres d'origine digestive chez les jeunes enfants. Monde méd., 1929, 39: 1065-74.—**Tobler, W.** Ueber die subtoxische, schwere Ernährungsstörung des Säuglings mit gelben Stühlen und paralytischem Ileus. Schweiz. med. Wschr., 1942, 72: 260-3.

Disorder: Metabolism.

STAUBWASSER, A. *Störungen im Mineralstoffwechsel bei akuten und chronischen Ernährungsstörungen des Säuglings; nach Mitteilungen von 1920-26. 24p. 8° Freib., 1927.

Barberi, S. Residuo azotato nei disturbi di nutrizione dei lattanti. Pediatra (Arch.) Nap., 1925-26, 1: 385-406.—**De Villa, S., & Ajello, G.** Ricerche sul ricambio intermedio nell'atresia e negli stati di denutrizione. Policlinico, 1922, 29: Sez. prat., 673-6.—**Garot, L.** Contribution à l'étude des troubles du métabolisme chimique dans la dénutrition grave du nourrisson; crétinisme et carbonurie. Rev. fr. pédiat., 1930, 6: 265; 425.—**Also Liège méd., 1931, 24: 901; 946.** Contribution à l'étude des troubles du métabolisme chimique dans la dénutrition grave du nourrisson; excrétion crétinique et métabolisme basal. Rev. fr. pédiat., 1933, 9: 273-333.—**Jahr, J.** Die Wasserbilanz des ernährungsstörungen Säuglings. Mschr. Kinderh., 1929, 42: 287-91.—**Macciotta, G.** Le modificazioni del contenuto in zucchero, grassi e lipidi nel sangue di bambini colpiti da malattie gastro-enteriche. Fol. clin. chim., Bologna, 1927, 2: 229-92.—**Manicatis, S., Bratesco, A., & Rosenkranz, B.** Les modifications de l'équilibre protéique dans les troubles de la nutrition des nourrissons. C. rend. Soc. biol., 1931, 108: 339.—**Pernetta, C.** Conceito de distúrbio do intercambio nutritivo do lactente. Hospital, Rio, 1939, 15: 829-32.—**Rohmer, P.** L'acidose dans les troubles digestifs du nourrisson. Rev. fr. pédiat., 1926, 2: 230-44.—**Corcan, P.** [et al.] L'acidose et l'azotémie dans les troubles digestifs du nourrisson. Bull. Soc. pédiat. Paris, 1927, 24: 358-70.—**Rohmer, P., Wildorf, P., & Dreyfus, P.** Contributions à l'étude des troubles digestifs du nourrisson; la valeur clinique de l'azotémie dans les troubles digestifs du nourrisson. Rev. fr. pédiat., 1927, 3: 277-85.—**Rominger, E., & Meyer, H.** Mineralstoffwechseluntersuchungen beim Säugling; die Mineralbilanz bei akuten dyspeptischen Zuständen. Arch. Kinderh., 1927, 81: 176-96.—**Vasile, B.** La dissociazione ionica ed il contenuto in proteici del siero di sangue dei lattanti con disturbi di nutrizione. Pediatra (Riv.) 1930, 38: 1217-26.

Disorder: Overfeeding.

See also Obesity.

Smith, C. H. The diet of infants, a protest against overfeeding. Proc. Interst. Postgrad. M. Ass. N. America, 1937, 377-82.—**Infant overfeeding.** Med. Clin. N. America, 1939, 23: 569-80.—**Vieira, J. A.** Super-alimentação das crianças. Porto med., 1904, 1: 336.

Disorder: Pathology.

See also Acidosis; Diarrhea; Gastroenteritis; Ketosis, etc.

Angelini, V. L'ammoniaca, l'urea ed il pH urinario nei lattanti sani e con disturbi della nutrizione. Riv. clin. pediat., 1934, 32: 1310-42.—Aristia, A. Los trastornos nutritivos y la constitución en el lactante. Rev. chilena pediat., 1939, 10: 640-54.—Blasi, D. Significato delle granulazioni sudanofile nei leucociti del sangue di bambini affetti da disturbi della nutrizione. Clin. pediat., Mod., 1929, 11: 542-52.—Burghi, S. E. Contribución al estudio de las perturbaciones digestivas y de la nutrición del lactante. Arch. españ. pediat., 1929, 13: 139-54.—Duzár, J. Innere Sekretion und Ernährungsstörungen im Säuglingsalter; Inselsystem und Kohlenhydratstoffwechsel. Mschr. Kinderh., 1926, 32: 158-75.—Freund, W. Ueber eine sehr leichte und doch folgenschwere Ernährungsstörung des Säuglings; zugleich ein Beitrag zur Kenntnis pseudohypogalaktischer Zustände. Ibid., 1929, 42: 192-7.—Garot, L. Données nouvelles sur la physio-pathologie de la dénutrition du nourrisson. Nourrisson, 1934, 22: 239-55.—Gralka, R., & Reimold, W. Leberuntersuchungen bei Nahrungsschäden und Ernährungsstörungen. Jahrb. Kinderh., 1927, 3. F., 67: 127-41.—Hainiss, E. [Pathology and therapy of nutritional disorders in infants] Orvosképzés, 1939, 29: 490-513.—Kleinschmidt, H. Die Einstellung des Arztes auf die konstitutionelle Neupathie als Ursache von Nahrungsschäden. Mschr. Kinderh., 1930, 48: 81-90.—Lesné, E. Les états chroniques de dénutrition de la première enfance. Sem. hôp. Paris, 1932, 8: 562-71.—Lippard, V. W., Schloss, O. M., & Johnson, P. A. Immune reactions induced in infants by intestinal absorption of incompletely digested cow's milk protein. Am. J. Dis. Child., 1936, 51: 563-74.—Macchi, A. Le modificazioni dello schema di Arneth nelle tre prime gastroenteriti dei lattanti. Clin. pediat., Mod., 1928, 10: 680-700.—Macchiotta, G. Modificazioni funzionali ed anatomiche del pancreas nelle malattie della nutrizione del lattante. Ibid., 1939, 21: 1-30.—Manicafide, M., Bratesco, A., & Rosenkranz, B. L'insuffisance pancréatique dans les troubles de la nutrition des nourrissons. Bull. Soc. pédiat. Paris, 1931, 29: 121-4.—Manicafide, M., & Christian, T. La réserve alcaline du sang dans les troubles digestifs des nourrissons. C. rend. Soc. biol., 1930, 105: 49.—Manicafide, M., Damboviceanu, A., & Rosianu, A. Variations de la catalase, de la lipase et de l'amylase dans le sang des nourrissons atteints de différents troubles digestifs. Ibid., 1927, 96: 1245.—Masslov, M. S. [Physiology and pathology of nutrition and digestion in infants] Tsentr. med. J., 1929, 3: 635-51.—Morabito, F. Sul potere amilolitico del sangue e delle urine nei disturbi della nutrizione del lattante. Pediatria (Riv.) 1929, 37: 1335-42.—Naumann, O. Untersuchungen zur Verdauungsphysiologie des Säuglings; über den Fermentbestand der Verdauungsorgane bei dystrophischen und dyspeptischen Zuständen. Zschr. Kinderh., 1932, 53: 1-20.—Pető, E. [Nutritional neurosis in infants] Gyógyászat, 1938, 78: 471-4.—Sas, B. E. Contribución al estudio de la reserva alcalina en los trastornos digestivos y nutritivos del lactante. Arch. argent. pediat., 1936, 7: 675-87.—Sasaki, T., Kurosawa, T., & Saito, S. Studien über die Fettsäuren in der Leber bei Ernährungsstörungen der Säuglinge. Acta paediat. jap., 1939, 45: 86 (Abstr.).—Schweizer, F. Otro caso de anemia alimenticia del lactante. Sem. méd., B. Air., 1925, 32: pt 1, 993-5.—Strohe, H. Nierenveränderungen bei den sogenannten Ernährungsstörungen der Säuglinge. Virchows Arch., 1927, 265: 765-88.—Szalkai, M. [Relation of the nutritional diseases of infancy and the dentition] Budapesti orv. ujs., 1937, 35: 294-6.—Viallard, H., Vaillfont, H., & Bourguet, F. Opacités cornéennes bilatérales et troubles divers chez un enfant de 3 ans nourri exclusivement au lait artificiel. Arch. Soc. sc. méd. biol. Montpellier, 1934, 15: 120-3.

Disorder: Prognosis.

ERHARD, G. *Ueber das Schicksal von Kindern, die in ihrem ersten Lebensjahr an Ernährungsstörungen litten [Erlangen] 23p. 22cm. Coburg, 1937.

Foa, A. Sulla prognosi dell'ospedalizzazione dei bambini della prima infanzia affetti da malattie della nutrizione. Lattante, 1931, 2: 932-51.—Pritchard, E. Relation of early mistakes in infant feeding to the dyspepsias of later infancy and childhood. Brit. M. J., 1929, 1: 333-6.—Shawkey, A. A. Infant feeding in relation to diseases of all ages. West Virginia M. J., 1927, 23: 398-402.

Disorder: Toxicosis.

See also Dehydration; Toxemia.

KLINGENBERG, H. *Blutzuckeruntersuchungen bei gesunden und toxischen Säuglingen. 31p. 8°. Bonn, 1937.

PRÖSCH, L. *Ergebnisse der Ernährungstherapie bei den schweren akuten Ernährungsstörungen (Toxikosen der Säuglinge) 40p. 8°. Berl., 1929.

AKIBA, S. Pathologische und physikalische Studien über das Säuglingsblut bei Ernährungsstörungen, insbesondere bei

Toxikose. Orient. J. Dis. Inf., Kyoto, 1938, 24: 13-23.—Amirdzhanov, A. N. [On alimentary toxic infections in children] Pediatria, Moskva, 1941, No. 4, 45-9.—Badra, P. Considerações sobre as toxicoses. Pediat. prat., S. Paulo, 1941, 12: 1-16, 3 ch.—Baumhauer, J. H. Acute gastrointestinal intoxication; management in infancy and childhood. J. M. Ass. Alabama, 1939-40, 9: 148-51.—Bayer, W. Ueber die Ernährungsbehandlung der alimentären Toxikose bei Säuglingen des ersten Lebensvierteljahres. Mschr. Kinderh., 1938, 75: 177-88, 2 ch.—Ueber die Behandlung der alimentären Toxikosen des ersten Lebensvierteljahres. Klin. Wschr., 1940, 19: 1269 (microfilm).—Berkovich, I. M., Dushman, B. J., & Kantorovich, E. I. [On the significance of exsiccosis in the toxic symptomocomplex] Sovet. pediat., 1935, No. 9, 38-47.—Blazsó, S., & Kramár, J. [Data on pathogenesis and treatment of toxemias of infancy and childhood] Orv. hetil., 1941, 85: 77.—Cannata, S. Toxicose do lactente. Resenha clin. cient., S. Paulo, 1941, 10: 87-93.—Cienfuegos, E. Patogenia y tratamiento de la toxicosis. Arch. pediat. Uruguay, 1940, 11: 270-8.—Csapó, J., & Kerpel-Fronius, O. [Etiology and treatment of infantile toxicosis] Orv. hetil., 1934, 78: 725-9.—Giunti, G. L'anatomia patologica dell'intossicazione alimentare infantile. Rass. med. sarda, 1939, 41: 115-231, 10 pl.—Grünfelder, B. Aetiology of the disturbances of nutrition with toxic symptoms of infants in Palestine. J. Egypt. M. Ass., 1933, 16: 915-23.—Hall, G. E., King, E. J. [et al.] Intestinal crepsin and phosphatase of infants with acute intestinal intoxication. Canad. M. Ass. J., 1932, 26: 293-6.—Jonscher, K. L'étiologie et la pathogénie des toxicoses des nourrissons. Presse méd., 1939, 47: 583-6.—Munk, J. [Intestinal decomposition and hypoglobulinemia] Ned. tschr. geneesk., 1928, 72: pt 1, 1162.—[Case of acute intoxication, tetany and encephalitis in an infant following overfeeding with cow-milk] Mschr. kindergeneesk., 1936, 37: 6: 295-8.—Palacký, A. [Treatment of toxicosis in children by transfusion of blood and plasma] Cas. lek. česk., 1941, 80: 636-40.—Rosenbaum, S. Säuglingsintoxikation und Bluthirnerkrankheiten. Mschr. Kinderh., 1929, 42: 419-28.—Schwarz, H., Goolker, P., & Globus, J. H. The normal histology of infants' brains, with particular reference to anatomic changes in the brain in intestinal intoxication of infants. Am. J. Dis. Child., 1932, 43: 889-913.—Szász, A. [Changes in the size of liver in infantile toxicosis] Orv. hetil., 1934, 78: 707-9.—Tiling, W. Zur Frage der Pathologie und Therapie der Säuglingstoxikose. Mschr. Kinderh., 1938, 75: 364-78.—Uher, V. Die Probleme der Exsikkose bei Säuglingstoxikosen. Zschr. Kinderh., 1939, 61: 135-41.—Vasile, B. Le correnti d'azione del cuore nella tossicosi. Pediatria (Riv.) 1929, 37: 131-45.—Voss, E. A. Zur Behandlung der schweren Säuglingsintoxikationen. Kinderärztl. Prax., 1939, 10: 393-6.

Disorder: Treatment.

CARRETIER, J. J. B. M. *Contribution à l'étude des méfaits du régime lacté exclusif chez l'enfant atteint de troubles gastro-intestinaux. 90p. 8°. Bord., 1905.

GOLDBERG, B. *Ueber die Erfolge der Milch-säurevollmilchbehandlung bei Ernährungsstörungen des Säuglings [Basel] 20p. 8°. Mulhouse, 1936.

HERZOG, O. *Säurefettmilch (ein Beitrag zur Uebungstherapie bei ernährungsstörungen Säuglingen) 32p. 21½cm. Würzb., 1938.

LARSONNEUR, J. *Les injections intra-musculaires de sang citraté dans les états de dénutrition de la première enfance. 71p. 8°. Par., 1928.

ROSEBAUM, Y. *De l'action du traitement anti-syphilitique sur les troubles digestifs dans la première enfance. 91p. 8°. Par., 1930.

ACEÑA CALVO, M. Las inyecciones intraperitoneales de soluciones salinas en el tratamiento de los trastornos nutritivos del lactante. Siglo méd., 1935, 96: 528-32.—Mosaico útil en la dietética de los estados de desnutrición del niño. Ibid., 1936, 97: 194; 218.—Acevedo R. del H., M. La insulina en los estados de desnutrición de la infancia. Mem. Congr. méd. peninsular (1933) 1934, 1. Congr., 118-23.—Amodio, U. L'emoterapia materna nei disturbi della nutrizione. Prat. pediat., Milano, 1935, 13: 234-40.—Anderson, A. F. Prevention of malnutrition in infancy and childhood. Health Exam., N. Y., 1933, 3: 6-12.—Aron, H. Fortschritte in der Behandlung der Nahrungsschäden des Säuglings. Fortsch. Ther., 1930, 6: 711-7.—Babonneix, L., Berton, C. [et al.] La diète hydrique dans les troubles digestifs des nourrissons. Vie méd., 1940, 21: 53; 81.—Bacon, E. P. The mal-treated cause of malnutrition. Arch. Pediat., N. Y., 1931, 48: 471-7.—Bakwin, H., Astrowe, P. S., & Rivkin, H. Transfused blood in infants with severe malnutrition. Am. J. Dis. Child., 1927, 33: 442-50.—Barbour, O. The use of phenobarbital in infant feeding. Arch. Pediat., N. Y., 1931, 48: 55-60.—Bertoye, P. L'insuline dans le traitement des états prolongés de dénutrition chez le nourrisson. J. méd. Lyon, 1931, 12: 215-23.—Béthou, L. Les enfants dystrophiques et dyspeptiques à l'altitude. J. méd. Paris, 1934, 54: 873.—Blechmann, G. Injections de lait chez le nourrisson.

J. méd. Paris, 1926, 45: 593.—**Burghi, S. E.** El alimento como medicamento en las enfermedades digestivas y de la nutrición en el lactante. An. Fac. med., Montev., 1928, 13: 310-38.—**Cafferata, J. F.** Sobre una nueva vía de absorción de la leche, utilizada en el tratamiento de las gastroenteritis infantiles. Arch. lat. amer. pediat., B. Air., 1907, 3: 129.—**Cárdenas.** Cuidados domésticos para la profilaxis de los trastornos nutritivos del lactante. Actual. méd., Granada, 1941, 17: 39.—**Deal, J. L. Y., Ayala, W., & Cereña, H. O.** Suspensión albuminosa ácida, hipergrasosa, hipohidrocabonada, a débil contenido salino, en la dietoterapia de los trastornos digestivos nutritivos del lactante. Arch. argent. pediat., 1939, 12: 446.—**Dients, G.** Traitement des dyspepsies du nourrisson par le petit lait mélangé au lait d'amandes d'après Moll. Rev. fr. pédiat., 1928, 4: 436-48.—**Ferri, U.** Sul trattamento insulinico nei disturbi di nutrizione della prima infanzia. Clin. pediat., Mod., 1935, 17: 97-130.—**Galeota, A.** L'ipodermoclisi nei disturbi di nutrizione del lattante. Lattante, 1936, 7: 629-37. Also Studium, Nap., 1937, 27: 39-41.—**Godonnèche, J.** Les enfants trop gros et la cure arséniale de la Bourboule. J. méd. Paris, 1937, 5: 385-8. Also Méd. inf., Par., 1937, 44: 115-29. Also Union méd. nordest, 1937, 60: 70: 87.—**Gómez Maluret, S.** Alimentos medicamentos más usados en la terapéutica de los trastornos nutritivos del lactante. Rev. san., Caracas, 1941, 6: 71-8.—**Grundler.** Ueber die Behandlung schwerer Ernährungsstörungen des Säuglingsalters mit Blutüberpflanzungen. Med. Klin., Berl., 1940, 36: 1424 (Abstr.) (microfilm).—**Hamburger, R., & Boddin, M.** Ergebnisse der Behandlung des Melnährschadens. Jahrb. Kinderh., 1929, 3, F., 75: 300-7.—**Hasselmann-Kahlert, M.** Super-calorie feeding in nutritional deficiencies in infants. Chin. M. J., 1936, 50: 443-9.—**Heim, P., & John, K.** Physiologisches dlatok belso adagolása csecsemők heveny táplálkozásá zavarainak esteiben. Budapesti orv. ujs., 1907, 5: 971-7.—**Hindes, E.** Milchfreie Diät als Prophylaktikum gegen Ernährungsstörungen im frühen Kindesalter. Arch. Kinderh., 1926, 78: 9-19.—**Iancu, A.** [Acute digestive disorders in bottle-fed infants: artificial alimentation and diathetic treatment] Cluj, med., 1929, 10: 7-12.—**Malevănăia-Sorescu, & Dariu, L.** [Dietetic treatment in digestive affections in infants by Prof. Moll's method and pill control of feces] Ibid., 1932, 13: 152-8.—**Ismail Sabri.** The principles of treatment of nutritional disturbances. J. Egypt. M. Ass., 1935, 18: 63-8.—**Jeans, P. C.** Feeding cases. J. Iowa M. Soc., 1936, 26: 343-5.—**Kennedy, D. A.** The nursing of infants suffering from nutritional disorders. Nurs. Times, Lond., 1937, 33: 1273-5.—**Klöpper, K.** Coramin bei der Trinkfäulheit der Neugeborenen. Zbl. Gyn., 1938, 62: 1370.—**Kohn, J. L.** The feeding of infants and children with nutritional disorders. Diet. Admin. Ther., 1926, 4: 489-99.—**Martinho da Rocha.** Como orientar o medico pratico no tratamento das perturbações crônicas de intercambio nutritivo do lactante? Brasil méd., 1932, 46: 73-6.—**Mauro, C.** Contribuição a enzimoterapia nas perturbações da nutrição dos lactentes. Fol. méd., Rio, 1929, 10: 17-9.—**Moll, L.** Die Ernährungstherapie des dyspeptischen Säuglings. Wien. med. Wschr., 1927, 77: 1390. Einige Bemerkungen zur Verhütung und Behandlung des Melnährschadens und der Milchdyspepsie. Mischr. Kinderh., 1933, 57: 255-9.—**Mommensen, H.** Ueber die Behandlung schwerer akuter Ernährungsstörungen des jungen Säuglings mit Mandelmilch. Ibid., 1939, 79: 338-41.—**Müller, E.** Die Ernährungsstörungen des Säuglings und ihre Behandlung. Med. Klin., Berl., 1927, 23: 821-4.—**Naccari, G.** Proflassi e terapia delle malattie della nutrizione nei bambini. Riv. med., 1923, 31: 3-5.—**Nobécourt, P.** Opoterapia tiroidea e insular cu los estados de denutrici6n de la primera infancia. Día méd., B. Air., 1931, 4: 134.—**Ochsenius, K.** Ueber milchlose Kost darmpfändlicher Säuglinge in der Praxis. Med. Klin., Berl., 1927, 23: 902-4.—**Papandrea, F.** Influenza della dieta idrica sul quadro ematologico dei lattanti affetti da disturbi della nutrizione. Pediatria (Riv.) 1926, 34: 1169-75.—**Parrhyusius, K.** Erfahrungen in der Ernährung verdauungskrankter Säuglinge mit Diätmilch nach Adam. Münch. med. Wschr., 1927, 74: 1543.—**Piccioli, A.** Note di terapia dei disturbi della nutrizione dei bambini. Gior. med. prat., 1930, 12: 363-78.—**Pogorschelsky, H.** [Success in therapy of alimentary diseases in infants] Vrach. delo, 1926, 9: 1386-90.—**Popowa, A.** Die Bakterietherapie der Verdauungsstörungen des frühen Kindesalter. Mischr. Kinderh., 1926, 32: 193-204.—**Rapipardi, S.** Terapia insulinica e somministrazione di glucosio nelle malattie della nutrizione del lattante. Clin. igiene inf., 1930, 5: 189-99.—**Reuss, A.** Die Behandlung der Magen-Darmstörungen des Säuglings in der Praxis. Wien. med. Wschr., 1928, 78: 1035-9. Die therapeutische Verwendung der Frauenmilch. Mitt. Volksgesundhamt., Wien, 1929, 297-300. Welche Massnahmen sind bei der bedrohlichen Nahrungsverweigerung des Säuglinge zu treffen? Ibid., 1930, 327. Also Wien. klin. Wschr., 1930, 43: 19-21.—**Riess, K.** Trockenmilch als Hilfe bei schwer ernährbaren Kleinkindern und Tuberkulösen. Ther. Gegenwart, 1926, 67: 445-7.—**Rodkin, S., & Schaeferstein, S.** [Concentrated rice broth in treatment of acute derangements of infant nutrition] Vrach. delo, 1927, 10: 977-80.—**Roi, G.** Sulla terapia razionale dei disturbi gastrointestinali della prima infanzia. Prat. pediat., Genova, 1932, 10: 23-32.—**Rosenthal, A. S., & Shapiro, S. E.** [Lysatotherapy in chronic disorders of alimentation and digestion in young children] Sovet. pediat., 1936, No. 3, 13-24; 42-51.—**Rott, F.** Die Biologie der Ernährung des Säuglings und die Verhütung und Heilung von Ernährungsstörungen durch diätetische Behand-

lung. Prakt. Arzt, 1936, n. F., 21: 183-90.—**Sáenz Herrera, C.** Normas generales del tratamiento dietético de los trastornos nutritivos del lactante. Rev. méd., S. José, 1940-41, 4: 545-57.—**Sagse, V.** Contributo allo studio del latte di Soja nei disturbi di nutrizione del bambino. Probl. aliment., Roma, 1933-34, 3: 1-23.—**Salas Sánchez, T.** Tratamiento de los procesos digestivos agudos del lactante. Pediat. españa, 1931, 20: 233.—**Scheer, K.** Ernährungsstörungen des Säuglings und ihre Behandlung. Med. Welt, 1941, 15: 217; 236.—**Schiff, E.** Milchsäuremilch statt Buttermilch bei Ernährungsstörungen des Säuglings. Ther. Gegenwart, 1929, 70: 90.—**Slooff, J.** [Blood transfusion as a treatment of digestive disturbance in infants] Ned. mnschr. geneesk., 1926, 13: 402-6, 2 pl.—**Smith, R. M.** The management of nutritional disorders of infancy. Mod. Clin. M. America, 1938, 22: 829-38.—**Steen, R. E.** The treatment of digestive disturbances in the breast-fed infant. Med. Press & Circ., Lond., 1933, 135: 104-7.—**Stolte, K.** Zur Frage der Insulinbehandlung bei nichtdiabetischen Kindern. Ther. Gegenwart, 1927, 68: 64-8.—**Tallerman, K. H.** A substitute for buttermilk in the treatment of digestive disorders during infancy. Arch. Dis. Childh., Lond., 1927, 2: 160-5.—**Taneff, I.** Bosá, ein bulgarisches Volksgetränk, eine milchfreie, saure Heilmahrung für Säuglinge und Kleinkinder. Mischr. Kinderh., 1931, 49: 153-75.—**Tatafiore, E.** Sull'uso del latticello nei disturbi di nutrizione acuti del lattante. Lattante, 1940, 11: 45-62.—**Tezner, O., & Ebel, A.** Insulin bei chronischen Ernährungsstörungen des Säuglings. Med. Klin., Berl., 1926, 22: 56-9.—**Thomson, M. L.** Blood transfusion in the malnutrition of infancy. Arch. Dis. Childh., Lond., 1935, 10: 109-14.—**Tow, A.** Insulin in the malnutrition of nondiabetic children. N. York State J. M., 1935, 35: 719-21.—**Tur, A. F.** [Fermentotherapy for infants] Russ. klin., 1926, 5: 656-73.—**Valledor, T., & Gómez del Río, G.** Contribución al estudio del tratamiento en los estados de desnutrición de la primera y segunda infancia; hipotax terapéutica. Crón. med. quir., Habana, 1928, 54: 419-34.—**Vergombello, C.** Ricerche sull'impiego dell'amilasi in pediatria. Terapia, Milano, 1928, 18: 1-10.—**Wright, H. P.** The rational approach to disturbances of nutrition in infancy. Canad. M. Ass. J., 1929, 20: 278.

Disorder: Underfeeding.

DESALLAIS, M. T. *Le lait au roux chez les nourrissons hypotrophiques dyspeptiques. 86p. 8° Par., 1935.

ROZÉE BELLE ISLE, G. *Le lait sec entier acidifié chez les nourrissons hypotrophiques; étude clinique. 143p. 24cm. Par., 1938.

Bakwin, H., & Bakwin, R. M. Undernutrition in infants. Prev. Med., N. Y., 1936, 4: 8-13.—**Barba, P. S.** Undernutrition in children. Med. Clin. N. America, 1937, 21: 1167-75.—**Eschbach, H.** L'inanition chez le nourrisson. Arch. méd. chir. province, 1926, 16: 2-5.—**Feldstein, G. J.** Underfeeding of infants and children. Arch. Pediat., N. Y., 1933, 50: 297-306.—**Fuá, R.** Sintomatologia non comune da ipoalimentazione nel lattante. Clin. igiene inf., 1928, 3: 712-9.—**Kardos, G.** [Inanition in infants during lactation period] Orv. hetil., 1930, 74: 339-43.—**Lonsway, M. J.** The under-fed infant. J. Missouri M. Ass., 1930, 27: 489-92.—**Mayer, A.** Dangers of the sous-alimentation pour l'enfance et l'adolescence. Bull. Acad. méd., Par., 1940, 123: 700-2.—**Miroshka, S. K., & Melamed, E. A.** [Causes of hypotrophy in infants and the use of concentrated mixtures] Tr. Sezda detsk. vrach. (1927) 1929, 4: 498-514.—**Nobécourt, P.** La sous-alimentation dans la petite enfance. Rev. gén. clin. théor., 1935, 49: 225-31.—**Paterson, D., & Marr-Geddes, A.** The frequent occurrence of underfeeding in early infancy. Arch. Dis. Childh., Lond., 1927, 2: 315-22.—**Rotschild, H. de.** Valeur thérapeutique de la liqueur de Van Swieten chez les nourrissons hypotrophiques avec troubles digestifs. Porto med., 1906, 3: 114.—**Sáenz, L. N.** El coqueo factor de hiponutrición. Rev. san. policia, Lima, 1941, 1: 129-47.—**Schmidt, H. A.** Die Aponadiät bei Ernährungsstörungen im Säuglingsalter. Kinderärztl. Prax., 1933, 4: 221-4.—**Strauss.** Was kann der Arzt gegen die Unterernährung der Kinder unserer minderbegüterten Bevölkerung tun? Münch. med. Wschr., 1927, 74: 588.—**Varlot.** De l'hy-po-alimentation et de la ration des nourrissons. J. diét., Par., 1911, 2: 102-6.—**Velasco Blanco, L.** Los peligros del hambre y la subalimentación en el lactante. Arch. amer. med., B. Air., 1942, 18: 13-8.—**Vitelli, G.** Contributo sperimentale al comportamento della curva glicemica in bambini iponutriti sottoposti alla cura insulinica. Pediatria (Riv.) 1928, 36: 1210-9.

Economic and social aspect.

Ball, V. K. Low cost diet in babyhood. Pub. Health Nurs., 1938, 30: 137-41.—**Bessau.** Sparsame, sachgemässe Diätetik im Säuglingsalter. Fortsch. Ther., 1927, 3: 1; 48; 87.—**Coddington, O. L.** Economic factors in infant feeding. Proc. Postcolleg. Clin. Assemb. Coll. M. Ohio Univ., 1938, 5: 150-2.—**Gordon, I.** Some social aspects of infant feeding. Arch. Dis. Childh., Lond., 1942, 17: 139-46.—**Heseltine, M. M., Clouse, R. C.** [et al.] Food values in relation to food costs in infant feeding. Am. J. Pub. Health, 1942, 32: No. 3, Suppl., 105-13.—**Lorenzo y Deal, J.** Vivienda, salario y

patologia del lactante. Arch. argent. pediat., 1942, 18: 491 (Abstr.).—**Rehsteiner, R.** Was kostet die Ernährung des Säuglings? Schweiz. med. Wschr., 1934, 64: 226-8.

Effect.

— **Berardi, A.** Contributo allo studio sulle reazioni leucocitarie digestive nel bambino. Diagnosi, 1929, 9: 91-105.—**Brokaw, K. F., Sedam, M. S., & Cassirer, A. M.** The influence of diet on the physiologic anemia of infants. J. Pediat., S. Louis, 1942, 21: 769-74.—**Capriati, F.** Influenza delle condizioni meccaniche della poppata sullo sviluppo del bambino. Prat. pediat., Milano, 1935, 13: 425-7.—**Darrow, D. C.** The carbon dioxide absorption curve of infants fed lactic acid, hydrochloric acid and boiled cow's milk. Am. J. Dis. Child., 1930, 40: 1016-23.—**Fanconi, D.** Die Nahrung als Heilmittel und Gift. Schweiz. med. Wschr., 1930, 60: 93-6.—**Michaux, J., & Lamache, A.** Alimentation et température des jeunes enfants. Progr. méd., Par., 1925, 40: 1183.—**Muggia, A.** Variazioni del Ph e della flore microbica delle feci di lattanti sottoposto a dieta con aggiunta di acidi. Gior. batt. immun., 1932, 9: 839-50.—**Pintozi, V.** Il ricambio proteico nel bambino allattato artificialmente; rapporti fra proteine ed idrati di carbonio nella dieta e loro influenza sulla reazione e flora fecale. Riv. clin. pediat., 1932, 30: 790-822.—**Quadri, S.** L'influenza dell'alimentazione sul chimismo umorale e sull'indice opsonico del bambino lattante. Pediatría (Riv.) 1932, 40: 702-12.—**Salomonsen, L., & Nygaard, K. K.** The prothrombin content in relation to early and late feedings of the newborn; a preliminary report. Acta paediat., Upps., 1939, 27: 209-18.—**Schönfeld, H.** Zur Frage der Bifidusentstehung bei künstlichen Nahrungsmischen. Jahrb. Kinderh., 1933, 3. F., 89: 215-8.—**Singer, M.** [Variations in blood and gastric juice ferments, also in acidity in nursing infants in connection with prescription of buttermilk with carbohydrates] Pediatría, Moskau, 1927, 11: 122-35.

Effect, metabolic.

— **MARCELOT-SIGUIER, I.** *Les régimes alimentaires et la fonction rénale chez le nourrisson [Paris] 111p. 24½cm. Tours, 1938.

— **RANTASALO, V.** *Die Wirkung des Labkaseins und des Hühnerceies auf das Säurebasengleichgewicht des Säuglings. 111p. 8° Uppsala, 1928.

Also Acta paediat., Uppsala, 1928, 8:

— **Barbier, H.** L'alimentation des nourrices; rapports de cette alimentation avec la composition centésimale moyenne du lait, et de celle-ci avec la croissance de l'enfant. J. diét., Par., 1912, 3: 25; 49; 73.—**Bazan, C.** La curva ponderal del lactante limeño, según la clase de alimento. Crón. méd., Lima, 1941 58: 312-7.—**Blazsó, S.** Zum Schwefel- und Eiweissstoffwechsel, des natürlich und künstlich ernährten Säuglings; ein Beitrag zum Ernährungsproblem. Ann. paediat., Basel, 1938-39, 152: 302-8.—**Bosch, O.** Ueber den Fettsatz im Säuglingsalter. Mschr. Kinderh., 1926, 34: 481-5.—**Fasold, H.** Beiträge zum Säure-Basenhaushalt; über die Assimilierbarkeit der racemischen Milchsäure und deren Einfluss auf den Säure-Basenhaushalt beim Säugling. Zschr. Kinderh., 1931, 51: 247-54.—**Gerstley, J. R.** The influence of feeding on certain acids in the feces of infants; clinical considerations. Am. J. Dis. Child., 1930, 40: 27-45.—**Wang, C. C., & Wood, A.** Influence of feeding on certain acids in feces of infants; a comparison of the effects of breast milk and of whole cow's milk on the excretion of volatile acids and of lactic acid. Ibid., 39: 487-92.—**Influence of feeding on certain acids in feces of infants; the effect of an excess of lactose in breast milk and in whole cow's milk on the excretion of volatile acids and of lactic acid. Ibid., 729-35.—Günsberg, M.** Purinstoffwechsel beim Säugling, insbesondere bei milchfreier Ernährung nach R. Hamburger. Jahrb. Kinderh., 1927, 117: 1-8.—**König, G.** [Effect of concentrated and diluted foods on function of the kidneys in infants] Orv. hetil., 1929, 73: 1023-5.—**Krause, G.** Langfristige Stoffwechseluntersuchungen an gesunden Säuglingen (Ammenmilch, Kuhmilch, Kuhmilch mit pflanzensäuren Alkalien, Basika) Arch. Kinderh., 1933, 99: 228-43.—**Levine, V. E.** Modern aspects of nutrition; the pathology of malnutrition; acid-base equilibrium with reference to pediatrics. Nebraska M. J., 1926, 11: 23; 66.—**Moraczewski, W. von, & Chwalibogowski, A. von.** Ausscheidungsverhältnisse bei fettfrei und zuckerfrei ernährten Säuglingen Zschr. ges. exp. Med., 1937-38, 102: 223-7.—**Schadow, H.** Grundumsatz und spezifisch-dynamische Wirkung bei gesunden Säuglingen im Vergleich mit den Befunden bei Erwachsenen und älteren Kindern. Jahrb. Kinderh., 1929-30, 3. F., 76: 50-74.—**Schiaparelli, P.** L'influenza di alcuni componenti alimentari (idrati di carbonio, grassi e proteine) sulla glicemia, sulla lipemia e sulla aminoacidemia nel lattante. Arch. ital. pediat., 1934-35, 3: 592-9.—**Schönfeld, H.** Ueber den Einfluss der Ernährung auf die Blutmilchsäure und den Blutzucker des Säuglings. Jahrb. Kinderh., Berl., 1930, 3. F., 78: 351-93.—**Simonini, A.** L'urca nella saliva e nell'urina di bambini sani in rapporto all'alimentazione. Clin. pediat., Mod., 1931, 13: 867-88.—**Steuber, M., Müller, E., & Seifert, A.** Vergleichende Untersuchungen über die Assimilation organischer Stoffe bei natürlicher und unnatürlicher Ernährung des

jugen Säuglings. Arch. Kinderh., 1927, 81: 154-76.—**Ujsagy, P.** Stickstoff- und Schwefelstoffwechsel des Säuglings bei verschiedenen Ernährungsformen. Klin. Wschr., 1940, 19: 1269 (microfilm)

Energy requirements.

— **Bartalini, C.** Metodo di determinazione della superficie corporea e importanza di questa nel calcolo del fabbisogno alimentare nel bambino lattante. Riv. clin. pediat., 1933, 31: 591-608.—**Hille, K.** Zur Frage der calorimetrischen Bestimmung der Nahrungsquantität des Säuglings. Zschr. Kinderh., 1928, 46: 36-44.—**Jaso, E.** Los métodos calorimétricos en la alimentación de los lactantes. Arch. med., Madr., 1930, 33: 35-9.—**Marriott, W. McK., & Jeans, P. C.** Energy metabolism. In their Inf. Nutr., 3. ed., S. Louis, 1941, 39-47.—**Petzoldt, G.** Schlafzeit und Energiebedarf des Säuglings in und ausserhalb der Anstalt. Mschr. Kinderh., 1929, 45: 193-205.—**Potter, D. G. E.** Caloric feeding of infants. J. State M., Lond., 1935, 43: 658-66.

Feeding behavior.

— **EICKHOFF, G.** *Die Nahrungsaufnahme beim Neugeborenen. 31p. 8° Bonn, 1935.

— **RUTHIG, J.** *Die anatomischen Grundlagen des Saugaktes des menschlichen Neugeborenen und des Säuglings [Münster] 35p. 22½cm. Emsdetten (Westf.) 1938.

— **Arlett, A. H.** Problems of feeding; behavior problems in early childhood. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 2: 166-9.—**Baty, J. M.** Feeding in the newborn. Med. Clin. N. America, 1938, 22: 819-27.—**Davis, C. M.** Choice of formulas made by 3 infants throughout the nursing period. Am. J. Dis. Child., 1935, 50: 385-94.—**Goldberger, S. M.** Nutrition and its importance to the growing child. Certif. Milk, 1942, 17: No. 192, 3: 19.—**Harnapp, G. O.** Zur Mechanik des Flaschentrinkens. Jahrb. Kinderh., 1933, 3. F., 90: 31-9.—**Lucas, W. P., Pryor, H. B., & Pope, S. T., jr.** Analysis of sample diets and daily habits of 206 children from data supplied by parents. J. Pediat., S. Louis, 1934, 4: 221-5.—**Peiper, A.** Die Nahrungsaufnahme des Säuglings. Mschr. Kinderh., 1931, 50: 20-8.—**Self-selection (The)** of diets by young children. Med. J. Australia, 1939, 2: 804.—**Simsarian, F. P., & McLendon, P. A.** Feeding behavior of an infant during the first 12 weeks of life on a self-demand schedule. J. Pediat., S. Louis, 1942, 20: 93-103.

Food.

See also other subheadings.

— **LOUISIANA, U. S. A. DEPARTMENT OF HEALTH.** What to feed your baby. 1 fold. l. 21½cm. [Baton Rouge] 1941.

— **Böttcher.** Ueber die Verwendung von Malzkaffee im Kindesalter. Aertzl. Rdsch., 1930, 40: 89-91.—**Calhoun, D. A.** An excellent substitute for breast milk. Am. J. Obst., 1927, 13: 96-9.—**Csapó, J.** [Mucilaginous substances in infant feeding] Orv. hetil., 1937, 81: 775-7.—**Dennett, R. H., & Craig, J. D.** A comparative study of infant foods. Med. J. & Rec., 1932, 136: 133.—**Fellenberg, T. von.** Stärkebestimmung im Kindermehl. Zschr. Untersuch. Lebensmitt., 1928, 55: 473-5.—**Guggeri, E.** Alimentación artificial de la primera infancia: niños normales; estudio general de los alimentos. Día méd. urug., 1939-40, 7: 309.—**Hess, J. H., & Chamberlain, I. McK.** Gelatin added to diets of artificially fed infants. J. Am. M. Ass., 1927, 89: 1423-6.—**Hill, S. A., & Shaferstein, S. J.** [Nutritive mixtures for nursing infants] In Profil. ter. detstk. bolez. (Arkavin, J. S.) Kharkov, 1930, 276-303.—**Irish, H. E.** Codliver oil as a substitute for cream in feeding mixtures for infants. J. Am. M. Ass., 1928, 91: 1884.—**Kugelmass, I. N., & Greenwald, E.** Buffer values of foods. Am. J. Dis. Child., 1931, 41: 1377-9.—**Markus, P.** Die praktische Verwendbarkeit von Malzkaffee in der Ernährung der Säuglinge und Kleinkinder. Jahrb. Kinderh., 1930, 3. F., 77: 114-8.—**Moll, L.** Säuglingsnahrungen für die künstliche Ernährung des Säuglings; ihre Zubereitung und ihre Anwendung. Mitt. Volksgesundhmt., Wien, 1930, Aertzl. Prax., 104-6. Also Wien. klin. Wschr., 1930, 43: 273-5.—**O'Donnell, F. T.** An analysis of the feeding of various foods to over 1,200 newborn infants. Pennsylvania M. J., 1938-39, 42: 746-51.—**Osuna Jiménez, J. M.** Lo que debe comer el niño. Med. ibera, 1935, 29: 539; 566; 616.—**Reber, M.** Ueber saure Säuglingsnahrung. Schweiz. med. Wschr., 1932, 62: 448-50.—**Schiavone, G. A.** Sobre algunos aspectos de la alimentación artificial del lactante; alimentos vegetales y lacto-farináceos. Sem. méd., B. Air., 1937, 44: pt 2, 424-37.—**Siegel, A. E.** Is there an ideal infant food? Pennsylvania M. J., 1930-31, 34: 482-5.—**Stebbins, H. I.** Food patterns; food for young children. Pacific Coast J. Nurs., 1941, 37: 204.—**Terrier, E.** Emploi de la bouillie de malt chez le nourrisson. In Actual. infant. (Babonneix, L.) Par., 1932, 280-7.—**Vollmer, H., & Burghard, E.** Die Teepause. Zschr. Kinderh., 1930, 49: 101-15.—**Weston, W.** Studies in nutrition; consideration of the foods. Arch. Pediat., N. Y., 1926, 43: 797-810.—**Wright, M. D.** Nutritional problems of the nursery school; the body-building foods. Nurs. Times, Lond., 1942, 38: 180.

Food, carbohydrate.

GREISER, H. *Ernährungsversuche an Säuglingen mit einem neuen Dextrin-Maltose-Gemisch Alete-Nährzucker. 55p. 21cm. Freib. i. B., 1937.

MISTRETTA, A. *Ricambio del P e degli idrati di carbonio nel lattante. 46p. 8°. Padova, 1932.

Babonneix, L. Les féculs dans l'alimentation du jeune enfant. *Gaz. hôp.*, 1934, 107: 1724-6. — Les glucides chez l'enfant. *Ibid.*, 1935, 108: 591. — Barenberg, L. H., & Abramson, H. The effect of large amounts of milk sugar on the stools and nutrition of infants. *Arch. Pediat.*, N. Y., 1930, 47: 1-7. — Battistini, G. Gli zuccheri nell'alimentazione del lattante in condizioni normali e patologiche. *Clin. pediat.*, Mod., 1930, 12: 311-54. — Bentivoglio, G. C. Nuovi criteri clinici intorno al comportamento digestivo e all'uso delle sostanze amidacee nei primi mesi di vita. *Riv. clin. pediat.*, 1928, 26: 96-136. — Bischoff, G., & Hiestermann, K. Die antiketogene Wirkung der Lactose und Galaktose beim Säugling. *Msehr. Kinderh.*, 1930, 46: 426-32. — Bleyer, B. Chemische Bemerkungen über Kohlehydrate der künstlichen Säuglingsnahrung. *Münch. med. Wschr.*, 1927, 74: 765-7. — Bologà, V. [Carbohydrate in alimentacion of infants; tests with Richter's infant food] *Cluj. med.*, 1931, 12: 166-70. — Bonomi, E. Lo zucchero nell'allattamento artificiale. *Gior. med. prat.*, 1927, 9: 29-33. — Brugsch, H. Ueber die Verwendbarkeit der Kartoffelstärke in der Säuglingsnahrung. *Münch. med. Wschr.*, 1935, 82: 504. — Creveld, S. van [Tolerance of levulose in children] *Ned. tschr. geneesk.*, 1928, 72: 1171-4. — Evans, D. P. New method for using cane sugar in infant feeding; a clinical report. *J. M. Soc. N. Jersey*, 1932, 29: 856-9. — Gerstley, J. R. Studies in infant nutrition; lactose and a maltose-dextrin preparation. *J. Am. M. Ass.*, 1930, 95: 1233-7. — Gorini, P. Variazioni della curva glicemica con l'uso di sostanze idrocarbonate irradiate. *Riv. clin. pediat.*, 1931, 29: 138-55. — Hardisty, E. B. Lactose: the sugar of choice in infant feeding. *Arch. Pediat.*, N. Y., 1931, 48: 309-15. — Harris, S. The sugar-fed child. N. Orleans M. & S. J., 1928-29, 81: 159-66. — Herrera, L. Los hidrocarbonados en la alimentacion. *Arch. med.*, Madr., 1927, 27: 22-4. — Heymann, W., & Howe, I. Untersuchungen über die Besonderheiten des Kohlehydratstoffwechsels im Säuglings- und Kindesalter; über stoffwechselchemische Folgen des Kohlehydratentzuges bei Säuglingen und Kindern. *Zschr. Kinderh.*, 1932, 53: 629-49. — Howland, J. Prolonged intolerance to carbohydrates. *Tr. Am. Pediat. Soc.*, 1921, 33: 11-9. Also *Arch. Pediat.*, N. Y., 1921, 38: 393-6. — Jarvis, B. W. Milk sugar in infant feeding; a study of the effects of the routine use of milk sugar in infant feeding. *Am. J. Dis. Child.*, 1930, 40: 993-9. — Kaupé, W. Erfahrungen mit Maizena in der Kinderpraxis. *Med. Klin.*, Berl., 1936, 32: 1109. — Lahdensuu, S. Ueber die Anwendung des Honigs anstatt des Zuckers in der Säuglingsernährung. *Acta Soc. med. Duodecim*, 1931, ser. B, 15: No. 3, 1-95. — Maloth, G. Ueber ein neues Dextrin-Maltosegemisch und seine klinische Auswirkung. *Msehr. Kinderh.*, 1934, 62: 24-7. — Körpernahe Zucker in der Säuglingsernährung. *Zschr. Kinderh.*, 1934, 56: 590-608. — Marriott, W. McK., & Jeans, P. C. Carbohydrate metabolism. In *their Inf. Nutr.*, 3. ed., S. Louis, 1941, 54-66. — Mayer, J. B. Ueber Erfahrungen und Untersuchungen mit Alete-Nährzucker. *Zschr. Kinderh.*, 1937, 59: 57-72. — Mukerjee, N. N. Malignant practice of prescribing starch to the babies under 6 months. *Ind. M. Rec.*, 1936, 56: 164. — Nassau, E., & Schaferstein, S. Ueber den Einfluss der Korrelation der Nährstoffe auf die Resorption des Zuckers. *Zschr. Kinderh.*, 1925-26, 40: 659-70. — Paffrath, H., & Kaess, A. Untersuchungen über die Kohlehydratverdauung des Säuglings; die Resorptionsgeschwindigkeit von Dextrin-Maltosegemischen und Traubenzuckerpräparaten im Tierversuch. *Ibid.*, 1930, 49: 622-40. — Untersuchungen über die Kohlehydratverdauung des Säuglings; Beiträge zur Verdauungsphysiologie des Milchzuckers. *Ibid.*, 50: 177-94. — Paffrath, H., & Siering-Kaulla, H. Untersuchungen über die Kohlehydratverdauung des Säuglings; zur Frage des Kohlehydratzusatzes zur Nahrung von Frühgeburten. *Ibid.*, 49: 617-21. — Paterson, D. The uses of starch in infant feeding. *Practitioner*, Lond., 1930, 125: 28-35. — Potter, P. S. The metabolism of carbohydrates in infancy. *Arch. Pediat.*, N. Y., 1928, 45: 514-25. — Richards, W. B. The carbohydrate problem in infant feeding. *Minnesota M.*, 1927, 10: 173-5. — Roy, G. Sull'alimentazione con sostanze amidacee durante i primi mesi di vita del bambino. *Clin. igiene inf.*, 1929, 4: 488-99. — Sherman, H. C. The problem of sweets for children. *Child Health Bull.*, 1929, 5: 65-70. — Stoeltzner, W. Dextrinmaltosegemische in der Säuglingsernährung. *Msehr. Kinderh.*, 1926, 34: 478-80. — Der neue Kinderzucker der M. Töpfer Trockenmilchwerke in Böhlen. *Münch. med. Wschr.*, 1927, 74: 767. — Zur Kenntnis der Kohlehydratnahrungen für die Säuglingsernährung; Nährzucker und Kinderzucker. *Med. Klin.*, Berl., 1930, 26: 507. — Suzuki, T. Studies on artificial feeding of infants; comparative studies on various kinds of sugar as an adjunct to artificial food for infants. *Orient. J. Dis. Inf.*, Kyoto, 1928, 3: 1-8. — Tosi, G. Il comportamento della curva glicemica nel bambino durante el digiuno prolungato. *Clin. pediat.*, Mod., 1926, 8: 577-603. — Weissenberg, H. Die Bedeutung des Zitrotin-Nährzuckers für die

Kinderpraxis. *Med. Welt*, 1928, 2: 765. — Welcker, A., & Jäger, O. Zur Verdauungsphysiologie des Säuglings; Zuckerresorption und Glykämiecurve. *Zschr. Kinderh.*, 1927, 43: 594-603.

Food: Cereals and starches.

BESPALOFF, M. *Essai d'étude de la digestion des farineux chez le nourrisson au moyen de l'iode. 101p. 8°. Par., 1932.

BÖRNER, H. E. *Stoffwechselversuche über die Fettausscheidung der Buttermehlnahrung nach Czerny-Kleinschmidt [Leipzig] 20p. 8°. Freib. 1926.

ZIEGER, H. *Ueber die Verwendung von Buchweizen in der Säuglingsernährung. 26p. 8°. Rostock, 1936.

Babonneix, L. La farine de froment; son emploi chez le nourrisson. *Gaz. hôp.*, 1934, 107: 1398-400. — Les farines autres que la farine de froment dans l'alimentation du nourrisson. *Ibid.*, 1466. — Baldari, L. La pappa burro-farinosa di Czerny nell'alimentazione infantile. *Fisiol. & med.*, Roma, 1930, 1: 180-8. — Becking, B. E. J. H. [The butter-flour food of Czerny-Kleinschmidt and the results obtained by it in the Children's Clinic of the Rijks University in Utrecht] *Ned. mschr. geneesk.*, 1923-24, 12: 1-20. — Bepaloff, M. Etude de la digestion des farineux chez le nourrisson. *Nourrisson*, 1932, 20: 352-63. — Bézy, P. Les farines dans l'alimentation du nourrisson. *J. méd. Paris*, 1934, 54: 64. — Blatt, M. L., Harris, E. [et al.] The effect of fortifying the infant's diet with a cereal enriched by iron, calcium and vitamin B. *Arch. Pediat.*, N. Y., 1941, 58: 694-705. — Bocchini, A. Uso delle farine durante l'allattamento. *Arte ostet.*, 1935, 49: 348-50. — Czerny, A. Ueber die Anwendung der Butter-Mehlnahrung bei der Säuglingsernährung. *Med. Klin.*, Berl., 1936, 32: 660. — Del Carril, M. J., & Vázquez, J. R. El alimento de Bessau. *An. Soc. puericult. B. Aires*, 1942, 8: 73-5. Also *Arch. argent. pediat.*, 1941, 16: 614-6; 1942, 17: 330-8. — Feldmann, A. J. Konzentrierter Reisschleim als Heilmahrung. *Jahrb. Kinderh.*, 1928, 3. F., 70: 72-85. — Fellenberg, T. von. Stärkebestimmung in Kinder-mehl. *Mitt. Geb. Lebensmitteluntersuch.*, Bern, 1928, 19: 51-3. — Flamini, M. La farina latte nella alimentazione infantile. *Pediatra (Riv.)*, 1929, 37: 1191-203. — Garot, L. L'emploi des farines dans l'alimentation du nourrisson. *Bruxelles méd.*, 1933-34, 14: 458-70. — L'emploi des farines dans l'alimentation du nourrisson. *Ann. Soc. méd. chir. Liège*, 1934, 67: 83-99. Also *Liège méd.*, 1934, 27: 689-716. — Garrigues, A. L'orge germée dans l'alimentation des enfants. *Arch. méd. chir. province*, 1921, 11: 527-36. — Gismondi, A. La pappa concentrata di riso secondo Bessau e le sue applicazioni nella dieta-terapia del bambino lattante. *Prat. pediat.*, Genova, 1928, 6: 353-60. — His first cereal feeding. *Med. Soc. Rep., Seranton*, 1941, 35: No. 4, 13. Also *Nova Scotia M. Bull.*, 1941, 20: 165. — Iancu, A. [Fatty-starchy soup (Czerny-Kleinschmidt) used in feeding asylum children] *Cluj. med.*, 1926, 7: 263-70. — Jaeger. Besprechung der Schriftums-Beurteilung der Vollkornkost für den Säugling unter Berücksichtigung von Paulys Nährspeise. *Wien. med. Wschr.*, 1940, 90: 912. — Jamín, F. Knäckmehl als Zusatz zur Säuglingsnahrung. *Hippokrates*, Stuttgart, 1937, 8: 1209-14. — Kufarew & Patuschinsky. Die Wirkung von 10 Prozent konzentriertem Reisschleim nach Bessau auf die Magen- und Duodenalsekretion. *Arch. Kinderh.*, 1927, 82: 87-94. — Lanzing, J. C., & Veen, A. G. von. [On the chemical composition of nasi tim] *Geneesk. tschr. Ned. Indië*, 1939, 79: 1705-10. — Lecoq, R. La carnee dans l'alimentation des nourrissons; comparaison des farines variées préparées au lait et des divers types de farines lactées. *C. rend. Congr. fr. méd.*, 1922, 16. sess., 150-5. — Peut-on compenser la carence des farines lactées commerciales? *Ibid.*, 156. — Levesque, J. Les farines azotées dans l'alimentation du nourrisson; soja, aleurone de tournesol. *Bull. méd. Par.*, 1935, 49: 517-23. — Moll, L. Das Keksmehl, eine Zusatznahrung zur Säuglingsmilch. *Münch. med. Wschr.*, 1929, 76: 878-80. — Müller, E. Schleime, Mehle und ihre Abbauprodukte in der Säuglingsnahrung. *Jahrb. Kinderh.*, 1933-36, 3. F., 96: 197-210. — Mura, S. Risultati pratici dell'alimentazione oleo-farinosa nei lattanti. *Pediat. prat.*, Mod., 1930, 7: 292-313. — Murschhauser, H. Stoffwechseluntersuchungen über die Ausnutzung von Maisgriess bei einem einjährigen Kinde. *Zschr. Kinderh.*, 1927, 45: 45-55. — Ochsenius, K. Ueber die Dosierung der Buttermehlnahrung in der Praxis. *Münch. med. Wschr.*, 1927, 74: 1544. — Ostergaard, C. R. [Experimental feeding of rats with Nestle's children's meal (kindermehl)] *Ugeskr laeger*, 1926, 88: 863-6. — Poulsen, V. Erfahrungen mit der Czerny-Kleinschmidt'schen Buttermehlnahrung. *Msehr. Kinderh.*, 1923, 25: 539-45. — Randoin, L., & Lecoq, R. Les substances amylacées purifiées ou modifiées, envisagées comme compléments nutritifs du lait éréme. *C. rend. Soc. biol.*, 1932, 111: 699-702. — Roedel, W. Versuche mit milchfreier Ernährung nach R. Hamburger. *Msehr. Kinderh.*, 1927, 35: 103-10. — Scott, G. D. Corn meal in infant food modifications. *Med. J. & Rec.*, 1926, 123: 110-3. — Wunderwald, A. Pauly's Nährspeise. *Deut. med. Wschr.*, 1937, 63: 1951.

Food: Fats and oils.

BRETSCHNEIDER, P. *Die eiweissparende Wirkung des Fettes im Säuglings-Organismus (Auszug) 11p. 4° [Leipz.] 1921.

Bosch, O. Ueber den Fettansatz im Säuglingsalter; seine Beziehungen zu Konstitution und Immunität. Mschr. Kinderh., 1928, 39: 309-24.—Brahm, C., & Mende, I. Ein Stoffwechselversuch an Säuglingen bei Ernährung mit bestrahltem und unbestrahltem Oel. Arch. Kinderh., 1926, 79: 138-47.—Chwalibogowski, A. [On the minimum quantity of fats in the diet of infants] Pediat. polska, 1936, 16: 36-42.—Freudenberg, E. Fettverdauung beim Säugling. Klin. Wschr., 1927, 6: 313. Also Zschr. Kinderh., 1927, 43: 437-56. — Untersuchungen zur Verdauungsphysiologie des Säuglings; neue Beiträge zur Fettverdauung. Ibid., 1928, 46: 170-83. — Untersuchungen zur Fettverdauung im Säuglingsalter. Sitzber. Ges. Naturwiss. Marburg, 1929, 63: 149-56.—Frontali, G. Oils as substitutes for butter fat in infant feeding. J. Pediat., S. Louis, 1939, 14: 290-303.—Horowitz, P. The use of odd carbon fat in infant feeding; preliminary report. Arch. Pediat., N. Y., 1927, 44: 293-304.—Iancu, A. [History and role of fatty substances in artificial feeding of infants] Cluj med., 1926, 7: 137-42.—Koch, H. Die Verwendung des Fettes, insbesondere des Gänsefettes in der Säuglingsnahrung. Kinderärztl. Prax., 1931, 2: 159.—Liepmann, H. Untersuchungen zur Verdauungsphysiologie des Säuglings; über die Wirkung abgetöteter Colibacillen auf die Leistung von Darmfermenten. Zschr. Kinderh., 1928, 46: 184-94.—Marriott, J. McK., & Jeans, P. C. Fat metabolism. In their Inf. Nutr., 3. ed., S. Louis, 1941, 67-71.—Reuss, A. Ueber die Verwendung von Olivenöl bei der Ernährung des Säuglings und Kleinkindes. Med. Klin., Berl., 1929, 25: 1733-6.—San Martín, A. M. de la ración de grasas en la alimentación artificial del lactante. An. Soc. puericult. B. Aires, 1942, 8: 285-301. Also Dia méd., B. Air., 1942, 14: 1332-7.—Thoenes, F. Ueber den Einfluss des Fettes auf den Nutzungswert der Säuglingsnahrung. Jahrb. Kinderh., 1928, 3. F., 70: 1-38.

Food: Fruits.

See also proper names of fruits as **Banana**, etc. BIRCHER, M. E. Säuglingsernährung mit Fruchtmilch. 44p. 8° Basel, 1930.

Allowable claims for the vitamin and mineral content of canned fruits and vegetables intended for infant feeding. J. Am. M. Ass., 1939, 113: 215.—Baby's first fruits and vegetables. Hygieia, Chic., 1939, 17: 171.—Brusa, P. La farina di castagne nella alimentazione del bambino. Gazz. osp., 1927, 48: 1035.—Davis, E. M., & Stillman, H. A. Fruit and vegetable juices used in infant feeding; a comparison of their growth promoting qualities. Am. J. Dis. Child., 1926, 32: 524-9.—Ferencz [Chestnuts in the feeding of infants] Budapesti orv. ujs., 1928, 26: 123-6.—Finkelstein, L. O. Mohnmilch als Säuglingsnahrung (vorläufige Mitteilung) Zschr. Kinderh., 1929, 48: 552-60.—Gesteira, M., & Bahia, A. O leite de coco nos distúrbios nutritivos do lactente. Brasil med., 1932, 46: 173-7.—Gyllenswärd, C. Fruit juice for breast fed children; is it necessary or injurious. Acta paediat., Lpz., 1939, 24: 348-59 [Discussion] 359-67.—Preparations used in the feeding of infants; fruits, vegetables and other preparations. J. Am. M. Ass., 1941, 116: 2771.—Scriver, J. B., & Ross, S. G. The use of banana as a food for healthy infants and young children. Canad. M. Ass. J., 1929, 20: 162-6.—Strained fruits and vegetables in the feeding of infants. J. Am. M. Ass., 1937, 108: 1259-61.—Vipond, A. E. Further observation upon banana flour as a food for infants. Am. Med., 1926, n. ser., 21: 450-6.

Food: Meat.

Roux, M. M. *L'emploi de la viande dans l'alimentation du nourrisson. 52p. 8° Lyon, 1937.

Durand, P. Un médicament du jeune nourrisson malingre: le jus de viande. Presse méd., 1936, 44: 514.—Hamburger, R. Ueberblick über die Anwendung von Tierleber bei der Ernährung von Kindern. Med. Welt, 1929, 3: 1469-71.—Langstein, L. Leberverabreichung an Säuglinge. Deut. med. Wschr., 1928, 54: 908.—Marfan, A. P. L'usage des viandes chez le nourrisson; essais d'alimentation sans lait dans la première enfance. Nourrisson, 1929, 17: 149-57.—Robin, P. A quel âge convient-il de donner de la viande aux enfants sains et sous quelle forme pour commencer? Bull. Soc. méd. Paris, 1929, 214-23.

Food, mineral.

Boldt, F., Brahm, C., & Andresen, G. Langfristige Mineralstoffuntersuchungen an zwei gesunden Säuglingen bei mineralstoffarmer und -reicher Kost. Arch. Kinderh., 1929, 87: 277-96.—Boldt, F., & Winter, M. Die Beeinflussung des Stoffwechsels des gesunden Säuglings durch Mineralogen mit besonderer Berücksichtigung des Basen-Säurenverhältnisses. Ibid., 1930, 90: 83-94.—Boschi, V. Le acque minerali alcaline nell'allattamento artificiale. Riv. clin. pediat., 1935, 33: 413-28.—Csapó, J. Salz- und Wasserstoffwechsel im Säuglingsalter und seine Beziehung zum Problem der künstlichen Ernährung. Acta paediat., Upps., 1938, 22: 77-85.—Daniels, A. L.,

Stearns, G., & Hutton, M. K. Calcium and phosphorus metabolism in artificially fed infants; influence of cod liver oil and irradiated milk. Am. J. Dis. Child., 1929, 37: 296-310.—Gorter, E. [Role of inorganic metabolism in the pathology of infants] Ned. mschr. geneesk., 1930-31, 17: 84-104.—McQuarrie, I. Significance of body water and certain electrolytes in infant nutrition. Acta paediat., Upps., 1938, 22: 73-6.—Marriott, J. McK., & Jeans, P. C. Mineral and water metabolism. In their Inf. Nutr., 3. ed., S. Louis, 1941, 72-88.—Morris, N. Métabolisme minéral et hydrique dans la première enfance et ses répercussions dans le problème de l'allaitement artificiel. Presse méd., 1937, 45: 1631.—Rominger & Meyer, H. Langfristige ununterbrochene Mineralstoffwechseluntersuchungen an Säuglingen, ihre Methodik und bisherigen Ergebnisse. Mschr. Kinderh., 1926, 34: 408-19. — Mineralstoffwechseluntersuchungen beim Säugling; die Salzretention des gesunden Brust- und Flaschenkindes. Arch. Kinderh., 1926-27, 80: 195-234. — Fasold, H. Methodik zur Durchführung langfristiger ununterbrochener Mineral- und Stickstoffwechseluntersuchungen beim Säugling. Ibid., 1929, 88: 179-91.

Food, proprietary.

KERN, P. *La bouillie maltée chez les nourrissons de 1 à 3 mois [Gèneve] 46p. 8° Bâle, 1927.

Accepted foods; preparations used in the feeding of infants. J. Am. M. Ass., 1941, 116: 141.—Beck, W. Die Ramogenernährung. Ther. Gegenwart, 1929, 70: 409-12.—Bischoff, H. Fettangereicherte und konzentrierte Säuglingsnahrung. Med. Welt, 1927, 1: 513-5.—Chiapparelli, O. As farinhas compostas diastásadas acidificadas na alimentação do lactente doente e do lactente são. Clin. & ter., S. Paulo, 1938, 1: No. 2, 1-3.—Colby, W. The use of concentrated foods in the feeding of infants and children. Minnesota M., 1924, 7: 509-12.—Decreto que prohíbe la importación al país de los productos usados en la alimentación infantil que no tengan gravada en su envase la fecha de su fabricación. In Leyes (Costa Rica) S. José, 1935, 150.—De Sanctis, A. G., & Craig, J. D. A critical clinical study of concentrated and dried infant foods. Arch. Pediat., N. Y., 1931, 48: 439-56.—Holm, G. E., & Webb, B. H. Buffer capacities of various milks and proprietary infant foods. Am. J. Dis. Child., 1930, 40: 260-8.—Ihm, L. Verwendungsmöglichkeiten des Phytins in der Säuglings- und Kinderpraxis. Med. Welt, 1929, 3: 253.—Jacottet, M. Le pélagron orange à la pouponnière de Lausanne. Schweiz. med. Wschr., 1942, 72: 349.—Lage, Cordeiro Ferreira & Teixeira Botelho. Emprego de alguns produtos industriais em dietética da primeira infância (nestogen, leite condensado e eledon) Med. contemp., Lisb., 1932, 50: 359-69.—Libby's homogenized baby foods formulated combinations Nos. 1, 2, 3, 4, 5, and 6. J. Am. M. Ass., 1939, 112: 843.—Liebig, J. v. [New food product for children] Pharm. tid., Kbh., 1864-65, 4: 388-91.—Maltosage (Le) des bouillies envisagées du point de vue pratique. J. obst. gyn. prat., Par., 1931, 2: No. 10, 37-41.—Marriott, W. McK., & Jeans, P. C. Special and proprietary foods. In their Inf. Nutr., 3. ed., S. Louis, 1941, 213-21.—Melle, B. G. v. B. Moskonfyt in infant feeding (preliminary report) Med. J. S. Africa, 1926-27, 22: 88-90.—Mommensen, H. Ueber die Anwendung einiger kuhmilchfreier künstlicher Nahrungen im Säuglingsalter. Fortsch. Ther., 1936, 12: 326-35.—Preparations used in the feeding of infants. J. Am. M. Ass., 1940, 115: 1887; 1941, 116: 413; passim.—Proskauer, F. Ein moderner Kindernährzweiback. Deut. med. Wschr., 1925, 51: 1706.—Rogatz, J. L. The use of concentrated foods in infant feeding. Am. Med., 1928, 23: 858-64.—Shapiro, R. N. A critical study of 97 infants fed on lactogen. Arch. Pediat., N. Y., 1933, 50: 437-40.—Spolverini, L. L'azione eutrofica degli alimenti irradiati (osservazioni clinico-radiologiche sui bambini ad allattamento artificiale) Riv. clin. pediat., 1928, 26: 1-16, 4 pl. — L'azione eutrofica degli alimenti irradiati; ricerche sperimentali sulle sostanze grasse ed amidacee. Pediatria (Riv.) 1928, 36: 1193-209.—Suzuki, T. Studies on artificial feeding of infants; further investigations in various adjuncts to artificial foods specially in the matter of kasein and vitamine B and C. Orient. J. Dis. Inf., Kyoto, 1928, 3: 23-6; 37-41.—Vahl, V. [Advantages of Poupon in mixed diet of infants] Orvosképzés, 1934, 24: nov. külf. (Hainiss Festschr.) 197-9.

Food, protid.

LEICHTENTRITT, B. *Erfahrungen über die nach dem Verfahren von Engel hergestellte Eiweissmilch [Bonn] 33p. 8° Stuttg., 1914.

THIELE, J. A. F. *Ein Beitrag zur Eiweissmilchfrage [Berlin] 97p. 8° Brunn., 1916.

WILLEMIN, L. *L'emploi des protéines végétales en diététique infantile; la ration azotée du nourrisson. 152p. 8° Par., 1930.

Beck, O. Untersuchungen über den Stoffwechsel des Kindes bei parenteraler Proteinkörperzufuhr; die Veränderungen des Stoffwechsels bei parenteraler Proteinkörperzufuhr im Vergleich zum vorangegangenen Impfbier. Jahrb. Kinderh., 1927, 117: 140-71.—Bieber, A. Osservazioni sul ricambio azotato e sulla utilizzazione degli alimenti in bambini allattati artificialmente

con dieta integrata da proteine vegetali. Riv. clin. pediat., 1938, 36: 961-93.—**Budde, O.** Untersuchungen zur Verdauungsphysiologie des Säuglings; hat die Leukoxytenprotease einen Einfluss auf die Eiweißverdauung des Säuglings? Zschr. Kinderh., 1930, 49: 116. — **Freudenberg, E.** Untersuchungen zur Verdauungsphysiologie des Säuglings; Eiweißverdauung im Darm. Ibid., 1929, 48: 390-401.—**Capecchi, T.** Sull'azione del glutine di frumento e dell'albume d'uovo aggiunti all'alimentazione di bambini lattanti. Atti Congr. pediat. ital., 1931, 14. Congr., pt 2, 899-902.—**Chang, P. S.** Untersuchungen über den Einfluss verschiedenartigen Eiweißes auf die Verteilung einiger stickstoffhaltiger Substanzen im Harn beim Säugling. Nat. M. J. China, 1925-26, 12: 460-72.—**Cocchi, C.** Aminoacidi di crescenza ed allattamento del bambino. Boll. Soc. ital. biol. sper., 1929, 4: 55-8.—**Escardó, F.** El tenor de proteínas de la leche albuminosa. Arch. argent. pediat., 1935, 6: 269-73. — **La práctica del régimen albuminoso en la primera infancia.** Dia méd., B. Air., 1935, 7: 1522. — **La quantité de protéines contenues dans le lait albumineux.** Sem. méd., B. Air., 1935, 42: 1809-11.—**Gibbens, J.** The uses of casein in infant feeding. Lancet, Lond., 1932, 1: 238.—**Marriott, W. McK., & Jeans, P. C.** Protein metabolism. In their Inf. Nutr., 3. ed., S. Louis, 1941, 48-53.—**Porati, M.** Sull'impiego di proteine vegetali nell'alimentazione del lattante sano e ammalato. Med. ital., 1930, 11: 9-23.—**Ribadeau-Dumas, L., Mathieu, R., & Willemín, L.** De l'utilisation des protéines végétales dans l'alimentation du nourrisson. Nourrisson, 1930, 18: 65-81.—**Ryhiner, P.** Ueber Büchsen-Eiweißmilch (Original-Eiweißmilch-Konserven nach Finkelstein und L. F. Meyer) Schweiz. med. Wschr., 1924, 54: 961-3.—**Stoeltzner, W.** Flusuppe als Säuglingsnahrung. Deut. med. Wschr., 1930, 56: 4-7.—**Stubenrauch, K.** Eine neue Eiweiß-Heilnahrung, die Lactana-Milch. Münch. med. Wschr., 1922, 69: 1181.—**Ujsághy, P.** Der Eiweißstoffwechsel des Säuglings im Spiegel des Stickstoff- und Schwefelumsatzes; N- und S-Stoffwechsel gesunder Säuglinge bei künstlicher Ernährung. Mschr. Kinderh., 1939-40, 81: 214-36.—**Willemín-Clog, L.** L'emploi des protéines végétales dans l'alimentation du nourrisson. Clinique, Par., 1931, 26: 312-4.—**Wöhlbier, W.** Stoffwechselversuche zum Eiweißansatz bei saugenden Ferkeln. Biochem. Zschr., 1928, 202: 29-69.

Food, vegetable.

CHAJKIN, K. *De l'addition de légumes en poudre dans l'alimentation des nourrissons. 15p. 8°. Genève, 1930.

Bayer, W. Zur Verwendung der Kartoffel im Säuglings- und Kleinkindesalter. Deut. med. Wschr., 1940, 66: 709-11.—**Bischoff, H.** Verwertung von Gemüse und Obstkonserven in der Säuglingsernährung. Med. Klin., Berl., 1940, 36: 978.—**Grasedyck-Renner, L.** Ueber die Verwendung industrieller Gemüsekonserven in der Säuglingsernährung unter besonderer Berücksichtigung des Gehaltes an Vitamin C. Mschr. Kinderh., 1939, 78: 45-55.—**Brogi, G.** Farine di vegetali nell'alimentazione del lattante; con particolare riguardo alla digestione dei grassi. Clin. pediat., Mod., 1939, 21: 115-35.—**Bruchmüller, F., & Müller, E.** Ueber den Zusatz von Gemüsebrühe zur Säuglingsnahrung. Klin. Wschr., 1926, 5: 1273-5.—**Caldwell, G. W.** The nutritive value of strained vegetables in infant feeding. J. Pediat., S. Louis, 1932, 1: 749-53.—**Chang, K. C., & Tso, E.** A soluble soybean milk powder and its adaptation to infant feeding. Chin. J. Physiol., 1931, 5: 199-203.—**Conti, L.** Vegumine (Wander) in der Säuglingsernährung für den praktischen Arzt. Schweiz. med. Wschr., 1940, 70: 911-3.—**Gautier, P., & Peyrot, R.** De l'emploi de la poudre de légumes dans l'alimentation du nourrisson. Méd. inf., Par., 1930, 37: 292-9. Also Rev. méd. Suisse rom., 1930, 50: 660-4. Also J. méd. Paris, 1930, 50: 1081.—**Hill, L. W., & Stuart, H. C.** A soy bean food preparation for feeding infants with milk idiosyncrasy. J. Am. M. Ass., 1929, 93: 985-7.—**Kern, K.** Die Bedeutung der Gemüseernährung im frühen Säuglingsalter. Münch. med. Wschr., 1933, 80: 385-7.—**Klein, J.** Vegetable milk in infant feeding. Arch. Pediat., N. Y., 1933, 50: 205-10.—**Krause, G., & Lassen, M. T.** Soya in der Säuglingsernährung; Stoffwechseluntersuchungen an 6 Säuglingen. Arch. Kinderh., 1933, 100: 226-37.—**Leone, A.** I legumi nella alimentazione infantile. Pediat. prat., Mod., 1931, 8: 75-88.—**Maillet, M., Yeu, L., & Yeu, K.** Le lait de soja dans l'alimentation des nourrissons. Bull. Soc. pédiat. Paris, 1932, 30: 488-98.—**Mathieu, R.** Emploi des farines de soja et de tournesol pour l'alimentation des nourrissons et des enfants. J. méd. chir., Par., 1930, 101: 29-38.—**Niermann, M., & Winter, M.** Stoffwechseluntersuchungen an gesunden Säuglingen bei Ernährung mit vegetabilischer Milch. Arch. Kinderh., 1931, 94: 146-59.—**Poole, M. W., Hamil, B. M.** [et al.] Addition of vegetable soup and strained vegetables to diet of artificially fed infants. Am. J. Dis. Child., 1938, 55: 1158-75.—**Reiche, A.** Vergleichende Untersuchungen über die Verweildauer der verschiedenen Gemüsearten im Magen des Säuglings und Kleinkindes. Deut. med. Wschr., 1931, 57: 1620-2.—**Ribadeau-Dumas, L., Mathieu, R., & Willemín, L.** L'utilisation des protéines végétales dans l'alimentation du nourrisson. Nourrisson, 1930, 18: 161; 209.—**Rittinger, F. R., & Dembo, L. H.** Soy bean (vegetable) milk in infant feeding: preliminary report. Am. J. Dis. Child., 1932, 44: 1221-38.—**Rubini, F.** L'aggiunta dei legumi in polvere alla dieta dei lattanti. Lattante, 1937, 8: 21-5.—**Schultz, F. W., Morse, M., & Oldham, H.** Vegetable

feeding in the young infant; influence on gastro-intestinal motility and mineral retention. Am. J. Dis. Child., 1933, 46: 737-74.—**Schuphan, W., Dost, F. H., & Schotola, H.** Säuglingsernährungsversuche mit verschiedenen gedüngten Gartenmöhren und Tomaten. Nord. med., 1911, 12: 3042 (Abstr.) (microfilm).—**Sheldon, R. A. M. W., & Widdowson, E. M.** Bone and vegetable broth. Arch. Dis. Childh., Lond., 1934, 9: 251-8.—**Soria, B.** Mode d'action des légumes dans l'alimentation du nourrisson. Arch. méd. enf., 1938, 41: 519-22. Also Bol. Soc. cubana pediat., 1938, 10: 128-33. Also Bull. Soc. pédiat. Paris, 1938, 36: 231-7.—**Tobler, W.** Pulverisiertes Gemüse als Nahrungszusatz für Säuglinge. Schweiz. med. Wschr., 1929, 59: 1052-9.—**Tso, E., & Chu, F.** The nitrogen metabolism in infants on graded intake of soybean milk proteins. Proc. Soc. Exp. Biol., N. Y., 1930-31, 28: 218. Also Chin. J. Physiol., 1931, 5: 287-94.—**Tso, E., Yee, M., & Chen, T. T.** The nitrogen, calcium and phosphorus metabolism in infants fed on soybean milk. Ibid., 1928, 2: 409-14.—**Willemín-Clog, L.** L'emploi des protéines végétales dans l'alimentation des nourrissons; la farine d'aleurone de tournesol. Strasbourg méd., 1930, 90: 807.

Food: Vitamins.

Abels, H. Geburtsgewicht und Vitaminzufuhr; nach den Veröffentlichungen der Jahre 1923-25. Arch. Kinderh., 1926, 78: 187-93.—**Abt, A. F.** Vitamins in infant nutrition. Med. Rec., Houston, 1942, 36: 466-75.—**Babonneix, L.** Les vitamines chez le nourrisson. Gaz. hôp., 1934, 107: 854.—**Bessau, G.** Vitamine und Ernährungsstörung des Säuglings. Med. Welt, 1937, 11: 525-30.—**Campbell, J.** Natural vitamin D in infant feeding. Ind. M. Rec., 1936, 56: 9.—**Chieh Sung & Chu, Fu-Tang.** The vitamin C content of food articles available for young infants. Chin. M. J., 1937, 51: 315-24.—**Garrahan, J. P.** Vitaminas y alimentación artificial. Rev. chilena pediat., 1942, 13: 133-8.—**Hering, F.** Zur Säuglings- und Kleinkinderernährung. Arch. Kinderh., 1926-27, 80: 112-5.—**Hernández Briz, B.** Influencia de las vitaminas en la alimentación de los niños pequeños. Siglo méd., 1926, 78: 53-5.—**Hoobler, B. R.** Use of vitamin B in diets of infants; further observations. J. Am. M. Ass., 1931, 96: 675-7.—**Lo Passo, G.** L'uso delle vitamine nell'allattamento artificiale dei bambini. Prat. pediat., Milano, 1934, 12: 65-73.—**Marriott, W. McK., & Jeans, P. C.** The vitamins. In their Inf. Nutr., 3. ed., S. Louis, 1941, 89-112.—**Monti Guarnieri, C.** Il regime vitaminico nella nutrizione del lattante. Riv. nipioli., 1928-29, 1: 41-4.—**Nasso, I.** Importanza del complesso vitaminico B nell'alimentazione del bambino. Pediatria (Riv.), 1937, 45: 66-8.—**O'Donnell, F. T.** Present status of vitamins as nutritional factor in infant nutrition. Pennsylvania M. J., 1931, 35: 159-61.—**Obes Polleri, J., Munilla, A., & Vogelsinger, F.** Acido ascórbico en los alimentos del lactante. Arch. Soc. biol. Montevideo, 1936-37, 7: 1-21.—**Ormond, A. van** [Vitamin C and the feeding of infants] Mschr. kindergeneesk., 1936, 6: 52-66.—**Ranieri, A.** I regimi polivitaminici nei disturbi di nutrizione e nelle diverse affezioni della prima infanzia. Clin. pediat., Mod., 1938, 20: 339-49.—**Scheer, K.** Vitamine und Säuglingsernährung. Klin. Wschr., 1929, 7: 121-4.—**Summerfeldt, P., & Ross, J. R.** Value of an increased supply of vitamin B₁ and iron in the diet of children. Am. J. Dis. Child., 1938, 56: 985-8.—**Velasco Blanco, L.** Vitaminas y carencias vitamínicas en el lactante. Arch. amer. med., B. Air., 1939, 15: 25; 50.—**Vogt, E.** Erfahrungen mit der Anreicherung der Nahrung an Vitaminen durch Zufuhr von Vigantol während der ersten Lebenszeit. Münch. med. Wschr., 1928, 75: 721-3.

Food: Water.

See also Water metabolism.

LUNTZ, T. (geb. STARKOFF) *Ueber die Wirkung kleiner Kochsalz- und Zuckerdosen auf den Wasserhaushalt des gesunden Säuglings [Berlin] p.731-47. 8°. Berl., 1930.

Also Zschr. Kinderh., 1930, 49:

Baumecker, W., & Schönthall, L. Ueber Wasserversuche am Säugling bei konzentrierter Ernährung. Zschr. Kinderh., 1925-26, 40: 211-24.—**Bosch, O.** Körperstellung und Wasserhaushalt im Säuglingsalter. Klin. Wschr., 1929, 8: 1492.—**Bratusch-Marrain, A.** Ueber die Wasserausscheidung des Säuglings. Arch. Kinderh., 1929, 87: 81-137.—**Rominger, E.** Sobre o metabolismo da agua no lactente. Brazil med., 1927, 41: pt 1, 521-6.—**Smyth, F. S., & Hurwitz, S.** Special hydrating solution in infant feeding. Arch. Pediat., N. Y., 1937, 54: 71-6.

Food preparation.

See also Milk, Pasteurization.

FÜRST, L. Das Sterilisieren und Pasteurisieren der Kindernahrung. 284p. 8°. Hamb., 1888.

HERRMANN, M. *Beobachtungen über den Einfluss der Nahrungstemperatur auf das Verhalten des Säuglings [Breslau] p.49-69. 8°. Berl., 1931.

Also Mschr. Kinderh., 1931, 51:

Bie, V. Om Sterilisation af Børnemælk ved Hjælp af Brintoverilet. Nord. tskr. ter., 1906-7, 5: 225; 261; 291.—**Brennemann, J.** The use of boiled milk in infant feeding and elsewhere. J. Am. M. Ass., 1916, 67: 1413-8.—**Caldwell, G. W.** The value of homogenized foods in infant feeding. J. Am. Diet. Ass., 1935-36, 11: 428-36.—**Catel, W.** Ueber die Bedeutung der Milchsterilisation für den Ernährungserfolg. Jahrb. Kinderh., 1929-30, 3. F., 76: 38-49.—**Clevisch, A.** Institut municipal de stérilisation du lait destiné aux nourrissons. Hyg. viande, 1907, 1: 150-4.—**Glazier, M. M.** Advantages of strained solids in the early months of infancy. J. Pediat., S. Louis, 1933, 3: 883-90.—**Griffith, J. P. C.** Demonstration and discussion of some methods of infant feeding and of food preparation. Atlantic M. J., 1926-27, 30: 703-6.—**Herrmann, M.** Beobachtungen über den Einfluss der Nahrungstemperatur auf das Verhalten des Säuglings. Mschr. Kinderh., 1931, 51: 49-69.—**Jensen, O., & Plattner, E.** De l'action du chauffage sur le lait de vache (contribution à la question de l'alaitement artificiel). Rev. gén. lait, 1904-5, 4: 361-8; 388; 419.—**Kerr, L. G.** The reliability of sterilized and pasteurized milk as an infant food. Long Island M. J., 1908, 2: 371-3.—**Knole.** Milchhygienische Untersuchungen, insbesondere über das von Behringsche Verfahren, Säuglingsmilch durch Formalin haltbar zu machen. Molkezeitg., 1905, 15: 25.—**Launo, L.** Le lait; aperçu sur la stérilisation du lait et sur la valeur des laits stérilisés dans l'alimentation de l'enfance. Biol. méd., Par., 1904, 2: 397-425.—**Meurer, R.** Das Lobeckische Verfahren zur Herstellung einwandfreier Trinkmilch, insbesondere solcher für Säuglinge und die mit diesem Verfahren zu erzielenden Erfolge hinsichtlich Sterilisierungsfähigkeit. Verh. Ges. deut. Naturforsch. (1912) 1913, 84: 2. Teil, 2. Hälfte, 446-50.—**Morris, N., & Graham, S.** Nutritive value of boiled and raw milk in infant feeding. Lancet, Lond., 1933, 2: 1314.—**Pedraza, H.** Manera de preparar los biberones. Salud y san., Bogotá, 1940-41, 10: No. 108, 8-10.—**Renault, J., & Lévy, P. P.** La purification du lait destiné aux nourrissons. Rev. hyg., Par., 1916, 38: 737-67.—**Schaps, L.** Zur Frage der Conservierung der Milch durch Formaldehyd, speziell zum Zwecke der Säuglingsernährung. Zsch. Hyg., 1905, 50: 247-64.—**Senellart, T.** La première bouillie. J. obst. gyn., Par., 1933, 4: No. 10, 23-30.—**Sill, E. M.** Is sterilized milk a safe food for infants? N. York M. J., 1908, 87: 243-5.—**Weiss, S., & Brudny, V.** Sterilae; Apparat zur aseptischen Milchgewinnung, Dauerkühlung und Bereitung von Säuglingsmilchmodifikationen. Arch. Kinderh., 1911, 56: 129-40.

Food requirements.

STRONG, R. A. The nutritional requirements of early life. 86p. 23cm. [n. p., 1936]

Babonneix, L. La notion d'équilibre en matière de régimes chez l'enfant. Gaz. hôp., 1935, 108: 1549-53.—**Butler, A. M.** Nutritional requirements in infancy and childhood. Am. J. Dis. Child., 1942, 64: 898-918.—**De Toni, G., & Tarozzi, G. C.** Proposta di un semplice metodo per lo studio delle proporzioni tra i singoli elementi energetici nel regime dietetico infantile. Riv. clin. pediat., 1933, 31: 906-22.—**Etudes sur l'alimentation; méthodes d'appréciation de l'état de nutrition de la jeunesse; les besoins alimentaires pendant la première année de la vie.** Rev. hyg. méd. social., 1937, 16: 78-86.—**Findlay, L.** Infant feeding; the amount of food required. Practitioner, Lond., 1930, 125: 5-15.—**Larini, D.** Razione alimentare e tipi morfologici infantili. Atti Congr. pediat. ital., 1931, 14. Congr., pt 2, 858-60.—**Lemgruber, O.** Das necessidades alimenticias da criança em face do seu desenvolvimento physico normal. Fol. med., Rio, 1932, 13: 337; 368.—**Lereboullet, P.** Les besoins alimentaires dans la première année de la vie. Nourrisson, 1937, 25: 158-67.—**Pernetta, C.** Exigencias nutritivas na infancia. Rev. med. Bahia, 1941, 9: 98-108.—**Rudnev, M. F.** [The importance of quantity and quality of nourishment for infants] Pediatría, Moskva, 1928, 12: 99-108.—**Smith, R. M.** Food essentials for infants and children. Yale J. Biol., 1933, 6: 73.—**Young, J. G.** Meeting the requirements for proper nutrition in infancy. Texas J. M., 1936-37, 32: 531-3.

Food requirements: Age variation.

CODET, O. H. *Etude d'un régime alimentaire varié chez l'enfant de 10 à 18 mois. 124p. 8° Par., 1931.

Anderson, E. D. Infant feeding during the first 3 months of life. J. Lancet, 1929, 49: 465-70.—**Bikoff, H. S.** Feeding the new born. Certif. Milk, 1936, 11: 3.—**Bohn, A.** Il y a parfois intérêt à alimenter les nouveau-nés dès la naissance. Hôpital, 1932, 20: 478.—**Briskas, S. B.** L'alimentation dans la première enfance. Progr. méd., Par., 1936, 433-43.—**Brown, A.** Feeding of the new-born. Med. Press & Circ., Lond., 1935, 191: No. 5033, Suppl., p. xx-xxiii.—**Cline, G. M.** Feeding of full term infants during the new-born period. Illinois M. J., 1938, 74: 142-4.—**Code, O.** L'alimentation variée pour l'enfant de 6 à 18 mois. Progr. méd., Par., 1931, 1781-92.—**Davis, C. M.** Feeding after the first year. In Pract. Pediat. (Brennemann, J.) Hagerstown, 1937, 1: chap. 30.—**Ferguson, S.** Feeding and management of children after weaning and the bottle age. Med. J. Australia, 1930, 2: 226-8.—**Haller, G. L.** Les règles actuelles de l'alimentation du nourrisson après le sixième mois. Prat. méd. fr., 1938, 19: 16-34.—**Hofmeier, K.** Ernährung im Kleinkindesalter. Med. Welt, 1939, 13: 652.

Die Ernährung des Kleinkindes. Deut. med. Wschr., 1939, 65: 665; 715.—**Hotz, A.** Ueber Neugeborenen-Ernährung. Schweiz. med. Wschr., 1930, 60: 1201-4.—**Infant feeding during early hours of life.** J. Am. M. Ass., 1943, 121: 302.—**Jemma, R.** L'alimentazione del lattante sano dopo il sesto mese. Med. inf., Roma, 1937, 8: 345-9.—**Jones, T. D.** Feeding the normal infant the first year. Virginia M. Month., 1926-27, 53: 372-8.—**Kleinschmidt, H.** Zur Ernährung des Kindes in den beiden ersten Lebensjahren ausserhalb und innerhalb von Anstalten. Gesundhfsr. Kindesalt., 1926-27, 2: 330-7.—**Kolar, A. R.** Diet in the second year. Hudson Co. Health Rec., 1936, 3: 8-10.—**Ladd, M.** The feeding of the normal infant at birth. Boston M. & S. J., 1927, 196: 50-3.—**Lesné, E.** Quelques bases et règles de l'alimentation du nourrisson après le sixième mois. Nourrisson, 1936, 24: 84-95.—**Liceaga, F. J.** Alimentación del niño en la primera infancia. Scm. méd., B. Air., 1926, 33: pt 2, 969-72.—**Llorens Molté, J.** Alimentation de la première enfance. Porto med., 1906, 3: 114.—**Lukács, J., & Bak, M.** [Nutrition of the newborn] Orvosképzés, 1934, 24: nov. külf. (Hainiss Festschr.) 35-43.—**Lyon, J. M.** Feeding in the second year. Pennsylvania M. J., 1938-39, 42: 1199-201.—**McNeil, C.** Death in the first month and the first year; feeding in the first month. Lancet, Lond., 1940, 1: 869.—**Montanelli, T.** L'alimentazione del bambino nel primo anno di vita. Pediat. prat., Mod., 1929, 6: 205-15.—**Myers, B.** The feeding of the newly born. Practitioner, Lond., 1933, 131: 33-46.—**Nybble, H. C.** [Feeding children during the nursing period] Ugeskr. laeger, 1936, 98: 1001-3. [Statistical revision of the undertaken substantial feeding of children during the nursing period] Ibid., 1003-7.—**Parmelee, A. H., & Bruce, J. W.** Nutrition during the newborn period. J. Pediat., S. Louis, 1936, 8: 646-52.—**Rennick, C. F.** Infant feeding in the first trimester. Southwest M., 1936, 20: 96-8.—**Reuss, A. von.** Zur Ernährung des Kindes im ersten Lebensjahr. Med. Klin., Berl., 1941, 37: 269-71.—**Salge.** Die Ernährung des Kindes nach dem Säuglingsalter. Erg. ges. Med., 1921, 2: 661-9.—**Sinclair, J. F.** Feeding of the new-born. Arch. Pediat., N. Y., 1926, 43: 264-6.—**Smith, C. H.** The diet of young infants. N. York State J. M., 1941, 41: 2395-406.—**Stransky, E.** Beiträge zur Ernährung der Kinder im Alter von 1-6 Jahren. Mschr. Kinderh., 1926, 32: 450-86.—**Tallerman, K. H.** Feeding the new-born baby. Practitioner, Lond., 1941, 146: 435-41.—**Wagner, R.** Welche Regeln gelten für die Ernährung des Neugeborenen? Aerzt. Prax., Wien, 1934, 8: 255.

History.

BERLINER, E. Recent developments in infant feeding. 21p. 8° [Wash.] 1918.

CULESCO, E. B. *Sur quelques nouvelles acquisitions dans l'alimentation du nourrisson. 34p. 8° Par., 1937.

DENKBERG, S. *Considération sur l'évolution de l'alimentation du nourrisson. 70p. 8° Par., 1934.

MONTMART, M. *Contribution à l'étude comparative de quelques méthodes ancienne et nouvelles d'alimentation des nourrissons. 63p. 24cm. Par., 1938.

Aldrich, C. A. Ancient processes in a scientific age; feeding aspects. Am. J. Dis. Child., 1942, 64: 714-22.—**Bókay, J.** Ueber die Geschichte der künstlichen Ernährung der Säuglinge. Zsch. Kinderh., 1928, 46: 280-5.—**Carr, W. L.** Progressive steps in infant feeding. Certif. Milk, 1935, 10: 3-11.—**Chown, G.** Some notes on the history of infant feeding. Manitoba M. Ass. Rev., 1936, 16: 177-84.—**Corson, H.** Food for infants [1870] J. Lancet, 1942, 62: 59-61.—**Drake, T. G. H.** Infant feeding in England and in France from 1750 to 1800. Am. J. Dis. Child., 1930, 39: 1049-61.—**Pap and panada.** Ann. M. Hist., 1931, n. ser., 3: 289-95.—**Infant nutrition in Paris in the year 1780.** Canad. M. Ass. J., 1937, 37: 595-7.—**Durand, J. I.** Progress in the nutrition of infants. J. Am. M. Ass., 1932, 99: 275-7.—**Fischl, R.** Wandlungen auf dem Gebiete der Säuglingsernährung. Wien. med. Wschr., 1930, 80: 1479-84.—**Friedman, S.** Infant feeding and nutrition; a decade of progress. Am. J. Dis. Child., 1935, 49: 153-90; 461.—**Gohier-Desplas.** Les données actuelles de l'alimentation du nourrisson normal. Rev. méd. fr., 1937, 18: 735-7.—**Hess, J. H.** Infant feeding; its present status. J. Indiana M. Ass., 1927, 20: 419-22.—**Husler, J.** Ueber Altes und Modernes in der Säuglingsernährung. Bl. Gesundhfsr., 1928-29, 6: 21-31.—**Hymanson, A.** A short review of the history of infant feeding. Arch. Pediat., N. Y., 1934, 51: 1-10.—**Lyon, A. B.** History of infant feeding. Am. J. Dis. Child., 1933, 46: 359-74.—**McSwiney, S. A.** Recent advances in infant feeding. Ind. M. Gaz., 1931, 66: 244-8.—**Maryssael, L.** Les dernières données en diététique du nourrisson. Bruxelles méd., 1931-32, 12: 310-3.—**Mees, J. W.** Fortschritte auf dem Gebiete der Säuglingsernährung. Wien. med. Wschr., 1940, 90: 705.—**Montuoro, F.** L'alimentazione infantile odierna. Riv. ostet. gin., 1938, 20: 227-30.—**Nassau, E.** Neue Wege der Säuglingsernährung. Fortsch. Ther., 1930, 6: 180-6.—**Navarro García, M., & Diaz-Berrio y Cava, S.** Historia del biberón. Trab. Cáted. hist. crit., Madr., 1932-33, 1: 289-302.—**Neff, F. C.** The changing practices in infant

feeding. J. Missouri M. Ass., 1935, 32: 406-8.—Powers, G. F. Infant feeding; historical background and modern practice. J. Am. M. Ass., 1935, 105: 753-61.—Roudeche, H. Travaux récents sur l'alimentation du premier âge. J. méd. Paris, 1933, 53: 146-50.—Siperstein, D. M. New trend in the diet of infants. J. Lancet, 1931, 51: 287.—Spolverini, L. Nuovi orientamenti a proposito dell'alimentazione del lattante. Policlinico, 1926, 33: sez. prat., 1309-14.—Storms, L. B. Recent advances in infant feeding. J. Am. Diet. Ass., 1941, 17: 861-71.—Stransky, E. Fortschritte auf dem Gebiete der Physiologie und der Pathologie der Ernährung im Säuglingsalter. Kinderärztl. Prax., 1933, 4: 411-7.—Torian, O. N. The evolution and present-day status of infant feeding. J. Indiana M. Ass., 1932, 25: 77-80.—White, A. M. Recent advances in infant feeding. J. R. Inst. Pub. Health, 1937-38, 1: 872-8.

— Hygiene.

COTTONI, F. *Hygiène alimentaire du nourrisson. 50p. 8°. Par., 1937.

Gaultier, R. Hygiène alimentaire; son influence sur le développement de l'enfant. Méd. scol., Par., 1923, 12: 58-68.—Hucker, G. J., & Hucker, A. M. Organisms associated with commercially prepared infant foods. Am. J. Dis. Child., 1929, 38: 310-3.—Magliano, H., Virasoro, J. E., & Roca, F. J. Alimento aséptico completo. An. Soc. puericult. B. Aires, 1939, 5: 39-50.—Mattoon, H. E. Numbers and types of organisms found in certain products used in infant feeding. Am. J. Dis. Child., 1932, 44: 16-24.—Moraes Barros, J., filho. Conceção moderna da hygiene alimentar da primeira infancia. Ann. Congr. brasil. hyg., 1929, 5. Congr., 2: 299-304.—Oijen, C. F. van [Veterinary inspection of dairies for obtaining milk for infant feeding] Tschr. diergeneesk., 1929, 56: 703-8.—Oliver, J. Feeding the child, and the responsibilities of the state thereto. Med. Press & Circ., Lond., 1932, 184: 160; 173.—Pons Navarro, F. Conservación de las substancias usadas en la primera infancia. Med. niños, 1927, 28: 210-5.

— Institutions, kitchens and service centers.

DEUTSCH, E. Az ingyentej-intézménnyel kapcsolatos munkák rendelőintézet jelentése működésének első két évéről; 1902. évi július hó 1-jétől 1904 évi július hó 1-jéig. fol. Budap., 1904.

MANCHOT, C. Die Milchküche der St Gertrud-Gemeindepflege in Hamburg 1889-1904; Erfahrungen und Ergebnisse auf dem Gebiete der Säuglings-Ernährung. 51p. 8° Hamb., 1905.

MIRISOLA, M. *O leiteiro em dietetica infantil. 121p. 8°. S. Paulo, 1931.

POCHON, J. J. L. *Le centre d'adaptation à l'allaitement artificiel des enfants assistés de la Seine. 83p. 8°. Par., 1932.

SUCKOW, E. Leitfaden zur Errichtung von Kindermilch-Anstalten, mit besonderer Berücksichtigung kommunaler Anlagen; praktische Winke, Erfahrungen und Erfolge in der Bekämpfung der Säuglingssterblichkeit. 49p. 12°. Hannover, 1906.

Bauzá, J. A. El Consultorio Gota de Leche No. 1 en el año 1919. Arch. lat. amer. pediat., B. Air., 1921, 2. ser., 15: 37-46.—Benzing, R. Ueber Ernährungsfragen in der Säuglings- und Kleinkinderfürsorge unter besonderer Berücksichtigung der Kasseler Einrichtungen. Zschr. Gesundheitsverwalt., 1930, 1: 225-34.—Blatt, M. L., & Nichamin, S. J. Infant feeding in an institutional environment. J. Pediat., S. Louis, 1933, 2: 469-71.—Bohn, A. La pouponnière d'adaptation à l'allaitement artificiel des nourrissons assistés de la Seine. Nourrisson, 1935, 23: 223-37.—Buttenberg, P. Die Ed. Lippert che Kindermilchanstalt in Hokenbuchen. Milch. Zug, 1907, 41.—Camacho Gamba, J. Como debe prestarse la asistencia alimenticia en las instituciones de protección a la infancia. Rev. med. cir., Barranquilla, 1940, 7: No. 10, 37-46.—Camelli, R. Relazione sul dispensario dei lattanti di Bolzano. Pediat. prat., Mod., 1929, 6: 160-5.—Deutsch, E. L'œuvre de la Goutte de lait à Budapest. Arch. méd. enf., 1906, 9: 32-7.

— La Goutte de lait de Budapest. Ann. méd. chir. inf., 1906, 10: 94-9.—Dufour, L. Quatorze ans de la Goutte de lait à Fécamp. Normandie méd., 1909, 25: 481-7.—Enderlein. Ueber Kindermilchversorgung und Milchküchen. Aerztl. Mitt. Baden, 1906, 60: 93-8.—Fortescue-Brickdale, J. M. Infant milk depôts in Great Britain. Brit. J. Child. Dis., 1905, 2: 503-7.—Foster, E. Dispensario de lactantes la Gota de leche. Arch. lat. amer. pediat., B. Air., 1905, 1: 342-51.—Memoria sobre el funcionamiento de la Gota de leche presentada a la intendencia municipal. Ibid., 1906, 2: 275-81.—Informe del Doctor Foster sobre el proyecto para establecer la botica de leche. Ibid., 1907, 3: 262-7.—Gaing, E. Sobre la necesidad de establecer un consultorio modelo para niños lactantes: la botica de leche. Ibid.,

208-14.—Gamboa Echandia, R. Alimentación artificial del lactante; Departamento de protección infantil y materna. Rev. hig., Bogotá, 1910, 21: No. 11, 19-64.—Guisan, A. La Goutte de lait de Belleville, à Paris. Praxis, Bern, 1928, 17: 11, 31, 1-3.—Guthrod, O. Gutachten über die Einrichtung einer Kindermilchküche in Heilbronn a. N. Med. Korbh. württemb. ärztl. Ver., 1906, 76: 978-80.—Heucqueville, R. d'. De l'alimentation des enfants élevés en pouponnière. Bull. méd., 1926, 40: 1095-100.—Hoffa, T. Welche Milchmischungen eignen sich für die Verwendung in der Säuglingsfürsorge? Zschr. Gesundheitsverwalt., 1931, 2: 401-4.—Huber, J. Le régime alimentaire dans les crèches. Méd. inf., Par., 1936, 43: 389-97. Also J. méd. Paris, 1937, 57: 55.—Jumon, H. Alimentation et diététique dans les stations d'enfants. Progr. méd., Par., 1927, 42: 545; 802.—Leclercq-Demeur. Œuvre du bon lait d'Ixelles. Clinique, Brux., 1908, 22: 901-8.—Magi, C. Osservazioni sui risultati ottenuti con le varie specie di allattamento praticate nell'Aiuto Materno di Siena dal 1919 al 1932. Lattante, 1933, 4: 501-15.—Mattoso, Q. La Gota de leche de la Policlínica de San Paulo (Brasil). Arch. lat. amer. pediat., B. Air., 1906, 2: 112-5.—Mola, A. Consideraciones sobre los consultorios Gota de Leche. Rev. méd. Uruguay, 1916, 19: 588-92.—Sur le résultat de l'alimentation artificielle dans la crèche de Montevideo. Bull. Soc. pédiat. Paris, 1920, 18: 111-27.—Morales Beltrami, G., & Bustamante Espinoza, W. Estudio médico-social y económico de la alimentación del lactante sano en los organismos de protección materno-infantil en Chile. Rev. chilena pediat., 1942, 13: 103-8.—Moreau. Les Gouttes de lait et l'opinion publique. Anjou méd., 1905, 12: 109-14.—Née. La Goutte de lait de Rouen pendant les années 1906 et 1907. Normandie méd., 1907, 22: 551; 630.—Neff, F. C. Feeding care of the infant in the obstetric nursery. Am. J. Dis. Child., 1927, 34: 870-6.—Notes on infant feeding; as carried out at the Babies' Hospital, Newcastle-on-Tyne. Nurs. Times, Lond., 1934, 30: 1051-3.—Oropesa, P. Centros de alimentación infantil en Venezuela. Mem. Congr. venezol. leche, 1939, 1. Congr., 323-5.—Pastega, A. L'istituzione Nathan Straus in New York. Ann. med. nav., Roma, 1906, 1: 284-8.—Robertson, W. The practical side of an infant's milk depot. Tr. Med. Chir. Soc. Edinburgh, 1905-6, n. ser., 25: 216-26. Also Edinburgh M. J., 1906, n. ser., 19: 489-97.—Rogers, H. W. A modest experiment in foster-motherhood; the work of the pure milk commission of the Children's Aid Association of Indianapolis. Survey Social Charit., 1909, 22: 176-83.—Roussel, M. Lait maternisé et lait cru à la Goutte de lait de Rouen en 1904-5. Normandie méd., 1905, 20: 480; 499.—Schmitt, C., & Benche, J. La Caisse des écoles maternelles de Nancy et son rôle dans l'alimentation des enfants. Rev. hyg. méd. social., 1938, 17: 361-7.—Scottish (A) baby-feed kitchen. Nurs. Times, Lond., 1941, 37: 187.—Spolverini & Bentivoglio. Metodo in uso nella clinica pediatrica di Roma per l'allattamento artificiale. Atti Congr. pediat. ital., 1931, 14. Congr., pt 2, 826-9.—Thwaites, J. What is a Truby King baby? Brit. M. J., 1942, 1: 595.—Ulcia y Cardona, R. La Goutte de lait de Madrid et la propagation de cette institution en Espagne. Arch. méd., Par., 1906, 7: 73-81.—Watkins, A. G. What is a Truby King baby? Brit. M. J., 1942, 1: 454.—Weigand, C. G. Methods of infant feeding as used in the newborn clinic, University of Nebraska College of Medicine the past 3 years. Nebraska M. J., 1934, 19: 451-3.—Weiss, S. Milchkassenorganisationen zur Förderung der Selbststillung. Wien. klin. Wschr., 1905, 18: 727-9.

— Instruction.

PENNSYLVANIA, U. S. A. DEPARTMENT OF HEALTH. BUREAU OF MATERNAL AND CHILD HEALTH. DIVISION OF NUTRITION. Nutrition exhibits. 8 numb. l. 28cm. [Harrisb.] 1941.

Bowes, A. deP. Activities of the Division of Nutrition, Bureau of Maternal and Child Health. Pennsylvania Health, 1942, 3: No. 3, 19-23.—Dennett, R. H. The teaching of infant feeding: past and present. Arch. Pediat., N. Y., 1931, 48: 226-37.—Heller, C. A. Education in nutrition as part of the maternal health program. Am. J. Pub. Health, 1942, 32: 1021-4.

— Instruments.

Barbacci, R., & Zambelli, F. H. Proposta di un particolare cilindro graduato per le diluizioni correnti del latte nell'allattamento artificiale. Atti Congr. fisioter. Siena, 1927, 10. ser., 2: 255-8.—Bickel, A., & Roeder, H. Der Thermo-Sterilisator: ein Apparat zur Sterilisierung und Kühlung ohne Eis für künstliche Säuglingsnahrung. Berl. klin. Wschr., 1910, 47: 1370-3.—Bökay, J. [Feeding bottles for infants] Orv. hetil., 1935, 79: 106-8.—Consolazio, W. V. A vacuum seal for preservation of feeding formulas. J. Pediat., S. Louis, 1941, 19: 90.—Dittrich, H. The nursing can, an early American infant feeding device. Bull. Hist. M., 1939, 7: 696-704.—Drake, T. G. H. Antique infant feeding apparatus. Bull. Acad. M. Toronto, 1938, 11: 181.—Grip-tight latex feeding-bottle teats. J. R. Inst. Pub. Health, 1941, 4: 271.—Haffner, G. Ist die Masseinteilung der Säuglingsmilchflaschen zuverlässig? Kinderärztl. Prax., 1938, 9: 521.—Ilyin, K. V. [Drop-nipple feeding bottle] Pediatría, Moskva, 1941, No. 4, 83.—Infant feeding vessels of the stone age. Bull. Chicago M. Soc.,

1938-39, 41: 9A.—**Kahn, O. J.** An improved sanitary cap for nursing bottles; an added factor of safety against formula contamination. *Arch. Pediat.*, N. Y., 1938, 55: 218-24.—**Moll, L.** Ein automatisch regulierbarer Apparat zum Erwärmen der Milchflaschen. *Mscr. Kinderh.*, 1929-30, 45: 289-92.—**Müller, E.** Ein Apparat zum Kochen oder Pasteurisieren von Kindermilch. *Jahrb. Kinderh.*, 1905, 62: 825-7.—**Oeder.** Ueber eine Ernährungskontrolluhr. *Münch. med. Wschr.*, 1921, 68: 316.—**Rosenthal, R.** A short pictorial review of the evolution of infant-feeding vessels up to the beginning of the 19th century. *Bull. M. Libr. Ass.*, 1936, 25: 89-94.—**Young, P. E.** Nipple for nursing bottles. U. S. Patent Off., 1936, No. 2,041,670.

— Manual.

See also **Infant, Care**; **Pediatrics**.
BABONNEIX, L. Les régimes chez l'enfant. 607p. 8° Par., 1936.
BARTLETT, F. H. Infants and children, their feeding and growth; completely rev. ed. 409p. 18cm. N. Y. [1942]
BARTON, E. A. Essentials of infant feeding. 80p. Lond., 1925.
BERTON, C. *Essai de diététique pratique du nourrisson. 80p. 8° Par., 1931.
BEUMER, H. Ueber die Ernährung des Säuglings. 26p. 8° Lpz., 1930.
BOYD, J. D. Nutrition of the infant and child. 198p. 8° N. Y., 1937.
BRAITHWAITE, J. V. C. Infant feeding in general practice. 140p. 12° Brist., 1930.
BURGOS, H. I. *Contribución al estudio de la alimentación del lactante normal y sano en el primer semestre de vida. 139p. 26½cm. B. Air., 1941.
CASTRO, J. M. DE. *Breves considerações sobre a bromatologia nas suas relações com a primeira infancia. 68p. 12° Lisb., 1875.
DENNETT, R. H. Simplified infant feeding, with 80 illustrative cases. 3. ed. 415p. 8° Phila. [1926]
DOUGLAS, C. Treatise on feeding and nursing the baby for mothers and nurses. 611p. 8° Detr., 1901.
GAING, E. Compendio práctico de alimentación del lactante. 78p. 23cm. B. Air., 1940.
GILDERSLEEVE, E. Baby epicure; appetizing dishes for children and invalids. 141p. 8° N. Y., 1937.
GLADSTONE, H. B. Clinical observations on infant feeding and nutrition. 118p. 8° Lond., 1928.
HERB, F. Care-feeding of the baby; a handbook for mothers, midwives and nurses. 267p. 8° Superior, Wis., 1907.
LESNÉ, E., & CLÉMENT, R. Les régimes du nourrisson. 172p. 8° Par., 1930.
MARRIOTT, W. McK. Infant nutrition; a textbook of infant feeding for students and practitioners of medicine. 375p. 8° S. Louis. 1930. Also 2. ed. 431p. 1935. Also 3. ed. 475p. 1941.
MEYER, L. F., & NASSAU, E. Die Säuglingsernährung; eine Anleitung für Aerzte und Studierende. 353p. 8° Münch., 1930.
MONCRIEFF, A. Infant feeding. 31p. 21½cm. Lond. [1941]
MYERS, B. Modern infant feeding. 160p. 20cm. Lond. [1930]
NOBEL, E., PIRQUET, C., & WAGNER, R. The nutrition of healthy and sick infants and children for physicians and students. 2. ed. 243p. 8° Phila., 1929.
PATERSON, D., & SMITH, J. F. Modern methods of feeding in infancy and childhood. 106p. 8° Lond., 1926. Also 7. ed. 219p. 22cm. [1939]

PERKINS, R. A. Milk laboratory manual for nurses. 106 l. 8° Columbus, O., 1935.

REUSS, A. Säuglingsernährung. 98p. 8° Wien, 1929.

SCOTT, G. D. Heredity, food, and environment in the nutrition of infants and children. 778p. 22½cm. Bost. [1942]

TALLERMAN, K. H., & HAMILTON, C. K. J. The principles of infant nutrition and their practical application. 183p. 8° Lond., 1928.

TRUMPF, J. Die Ernährung des Kindes nach neuzeitlichen Grundsätzen. 2. Aufl. 84p. 8° Münch., 1935.

VALAGUSSA, F. Consultazioni di clinica, dietetica e terapia infantile; manuale per medici pratici e studenti. 4. ed. 832p. 8° Roma, 1932.

WRIGHT, H. P. Essentials of infant feeding and paediatric practice. 212p. 8° Lond., 1934.

Macciotta, G., Brusa, P., & Lucca, A. Direttive dietetiche nelle collettività infantili. *Atti Congr. pediat. ital.*, 1931, 14. Congr., 7-173.

— Meals.

Fischer, C. C., & Agerty, H. A. A study of the feeding-interval in healthy newborn infants. *J. Am. Inst. Homeop.*, 1939, 32: 1-3.—**Stoeltzner, W.** Das Dogma von den fünf Mahlzeiten des Säuglings. *Münch. med. Wschr.*, 1929, 76: 1561.—**Ylppö, A.** Ueber die verkürzte Fütterungszeit bei Brust- und Flaschenkindern und ihr Einfluss auf die Magen-funktion. *Acta paediat.*, Upps., 1939, 24: 258-64.

— Milk.

See also subheading **Milk supply**; also **Breast feeding**; **Breast milk**; **Milk**; **Milk supply**.

DOMELA, M. *Etude sur les régimes lactés restreints en diététique infantile. 65p. 8° Par., 1930.

HIRSCHFELD, H. *Ueber die Verwölddauer verschiedener Milchgemische im Säuglingsmagen. 14p. 8° Gött., 1933.

ROHDE, A. *Ueber die Flockengrösse einiger Milchmischungen im Säuglingsmagen. 8p. 8° Gött., 1931.

TRUSOV, I. I. [Influence upon sterilized milk of so-called acidophil bacteria of the intestines of the infant] 3 l. 8° S. Peterb., 1904.

UCHIYAMA, K. *Ueber Viskositätsbestimmungen der Milch und der gebräuchlichsten Säuglingsnahrungen. 35p. 8° Münch., 1909.

Abadie, I., & Rodas Zamora, M. Causas de la alteración de la leche de vaca (como alimento artificial) *Sem. méd.*, B. Air., 1920, 27: 98-100.—**Agcaoli, F.** The composition of various milks and their adaptability for infant feeding. *Philippine J. Sc.*, 1913, 8: (a), 141-9, pl.—**Allaria, G. B.** Il problema pediatrico del latte alimentare dopo il III? Congresso pediatrico internazionale di Londra. *Pediat. med. prat.*, Tor., 1934, 9: 257: 321.—**B., O.** Redivivo pelo leite de mulher. *Brasil méd.*, 1941, 55: 470.—**Beach, E. F., Bernstein, S. S., & Macy, I. G.** Intake of amino acids by breast-milk-fed infants and amino acid composition of cow's milk and human milk. *J. Pediat.*, S. Louis, 1941, 19: 190-200.—**Behrendt, H.** Ziegenmilch als Säuglingsnahrung, Ergebnisse und Forderungen. *Klin. Wschr.*, 1926, 5: 1187-90.—**Blechmann, G., & François, R. C.** Alimentation du nourrisson; les groupes de lait. In *Année méd. prat.*, Par., 1939, 18: 24-6.—**Bordas, F.** De la normalisation de l'allaitement artificiel des nouveau-nés. *Ann. hyg.*, Par., 1929, n. ser., 7: 253-63.—**Chapin, C. V.** [et al.] Report of the Committee on clean milk for babies. *Providence M. J.*, 1908, 9: 1-4.—**Courtney, A. M., & Brown, A.** A comparison of the buffer capacity of various milk mixtures used in infant feeding. *Canad. M. Ass. J.*, 1928, 19: 51-3.—**Daniels, A. L., Hutton, M. K., & Marks, C.** Relation of food consumption of milk-fed rats to the growth of the suckling young. *Proc. Soc. Exp. Biol.*, N. Y., 1929-30, 27: 759.—**Daniels, A. L., Jordan, D., & Hutton, M. K.** The development of the suckling young of milk fed rats. *J. Nutrit.*, 1929-30, 2: 19-29.—**Davis, C. M.** Milks for infant feedings. *Am. J. Nurs.*, 1937, 37: 969-79.—**Demuth, F.** Zur Physiologie und pathologischen Physiologie der Milchverdauung im Säuglingsalter. *Erg. inn. Med. Kinderh.*, 1926, 29: 90-151.—**Edelstein, E.** Die Bedeutung des Vitamingehaltes der Säuglingsmilch. *Deut. med. Wschr.*, 1926, 52: 574-7.—**Epstein, L. G.** [Fat assimilation in children on fermented and non-fermented milk diets] *Vrach. delo*, 1941, 23: 353-6.—**Federico Gómez, M. C.** El metabolismo de los componentes de la leche y la alimentación infantil. *Gac. méd. mil.*, Méx., 1933-34, n. ser., 1: 267-82.—**Garzia, O.,**

& Savini, E. Sulla determinazione diretta ed indiretta del potere energetico del latte in rapporto al fabbisogno alimentare del lattante. *Pediatr. (Riv.)* 1928, 36: 339-46.—Gille, M. La traite des blanches. *Rev. prat. biol., Par.*, 1936, 29: 232-7.—Goder, G. W. But a thousand a year; the cost and the results in Rochester of feeding clean milk as food for the hand-fed baby. *Charities, N. Y.*, 1905-6, 14: 966-73.—Guinon. Do abuso do leite no regimen das creancas. *Novid. med. pharm., Porto*, 1903-4, 9: 299.—Hofmeier, K. Schafmilch als Säuglingsnahrung. *Med. Welt*, 1939, 13: 1002.—Joslin, C. L. Some clinical observations on feeding infants whole milk, gelatinized milk and acidified milk; a preliminary report. *Arch. Pediat., N. Y.*, 1937, 54: 20-5. — Further clinical observations on feeding infants whole milk, gelatinized milk, and acidified milk. *Bull. School M. Univ. Maryland*, 1938-39, 23: 118-22.—Langlois, M. Les laits dans l'alimentation pratique du nourrisson normal. *Laval méd.*, 1941, 6: 394-7.—Latte (Il) preparato per l'alimentazione dei bambini; latte pasteurizzato, sterilizzato, maternizzato ed umanizzato. *Gior. farm.*, Trieste, 1903, 8: 161; 195.—Lesné & Dubreuilh. Du pouvoir antiscorbuc des différents éléments du lait. *Nourrisson*, 1923, 11: 172.—Lesné, E., & Vagianos, M. Du pouvoir antiscorbuc des différents laits servant à l'alimentation des nourrissons. *Ibid.*, 1922, 10: 377-85.—Macy, I. G., & Outhouse, J. The vitamin content of milk used in infant feeding. *Am. J. Dis. Child.*, 1929, 37: 379-400.—Manteufel. Statistische Erhebungen über die Bedeutung der sterilisierten Milch für die Bekämpfung der Säuglingssterblichkeit. *Münch. med. Wschr.*, 1906, 53: 303-7.—Milk. *Homœop. Rec.*, 1942-43, 58: 150; *passim*.—Moll, L. Ratschläge für die künstliche Ernährung gesunder Säuglinge, mit Berücksichtigung des Milchbedarfes. *Fortsch. Med.*, 1930, 48: 393; 435. — Weitere Indikationen der milchernen beziehungsweise milchfreien Diät in Säuglingsalter. *Wien. klin. Wschr.*, 1932, 45: 1197.—Ogilvie, J. W., & Peden, O. D. Gastric digestion of raw and boiled milk in infants. *Lancet, Lond.*, 1934, 2: 76-8.—Orlov, N. [Production and supply to the trade of guaranteed (infant's) milk] *Mosk. med. J.*, 1927, 7: No. 8, 65-72.—Popov, A. V. [Modern requirements as to quality of the milk used for infants] *Profil. med.*, Kharkov, 1928, 7: 8-16.—Pougeois, O. Le lait dans l'alimentation du nourrisson. In *Le lait* (France. *Journé. ét. social.*) Troyes, 1934, 31-5.—Powers, G. F. The alleged correlation between the rate of growth of the suckling and the composition of the milk of the species. *J. Pediat.*, S. Louis, 1933, 3: 201-16.—Rumina, B. O leite e o único alimento apropriado a crianças de poucos meses de idade. *Med. contemp.*, Lisb., 1934, 52: 225-8.—Ryzhik, D. L. [Results from the use of asses' milk in the home of foundlings] *Vopr. materin.*, 1940, No. 11, 26-9.—Schmalz, M. Bemerkungen zu Technik und Ziel der Zwiemelchernaehrung. *Msehr. Kinderh.*, 1923, 26: 387-91.—Schwarzer, K. Ist Ziegemilch als Säuglingsnahrung schädlich? *Med. Klin., Berl.*, 1938, 34: 937-9.—Sisson, W. R., & Denis, W. The chlorin content of cows' and goats' milk and formulas commonly used in infant feeding. *Am. J. Dis. Child.*, 1922, 23: 431-7.—Svejar, J. Sur la digestibilité de l'albumine du lait chez le nourrisson. *Acta paediat.*, Upps., 1931, 11: 577-81 [Discussion] 584.—Wang, C. C., Witt, D. B., & Felcher, A. R. A comparison of the metabolism of some mineral constituents of cow's milk and of breast milk in the same infant. *Am. J. Dis. Child.*, 1924, 27: 352-68.—Wolf, K. Kindermilchgewinnung. *Zschr. Fleisch. Milchhyg.*, 1927-28, 38: 169-71.—Ylppö, A. Die Zusammensetzung der Renttiermilch und ihre Anwendung als Säuglingsnahrung. *Zschr. Kinderh.*, 1927, 43: 255-7.

— Milk: Buttermilk.

See also Buttermilk.

SHERMAN, A. *L'emploi du babeurre chez les enfants débiles [Genève] 15p. 8°. Annemasse, 1933.

Babonneix, L. Le babeurre. *Gaz. hôp.*, 1933, 106: 1709-11.—Bauer, J., & Schein, H. Erfahrungen mit der Trocken-Buttermilch Eledon. *Fortsch. Ther.*, 1928, 4: 422.—Chassera, E. Clinique diététique de l'enfance: le babeurre; aliment médicament. *Rev. prat. mal. pays chauds*, 1923-24, 3: 223-44.—Christiansen, W. Erfahrungen mit Trockenbuttermilch. *Deut. med. Wschr.*, 1928, 54: 2106.—Filippi, F. de. El problema de la acidez del babeurre. *Rev. As. méd. argent.*, 1933, 46: 3274-6.—Gierthmühlen, F. Erfahrungen mit Trockenbuttermilch. *Deut. med. Wschr.*, 1928, 54: 1678.—Haas, J. H. de, Posthuma, J. H. [et al.] [Buttermilk as food for infants in the tropics in the second half-year of life] *Geneesk. tschr. Ned. Indië*, 1941, 81: 2719-31.—Langstein, L. Buttermilk in Pulverform. *Deut. med. Wschr.*, 1927, 53: 957-9.—Marfan, A. B. Le babeurre et ses indications dans l'alimentation des enfants du premier âge. *Rev. gén. clin. thé.*, 1928, 42: 529-36. — Nouvelle étude sur le babeurre. *Nourrisson*, 1930, 18: 137-60.—Meulemans, I. O., & Haas, J. H. de. [Buttermilk as nourishment for infants; prepared from skimmed and whole milk] *Geneesk. tschr. Ned. Indië*, 1940, 80: 2465-77. Also *Ind. J. Pediat.*, 1941, 8: 158-74.—Plantenga, B. P. B. [Buttermilk as food for children] *Geneesk. gids*, 1934, 12: 529-38.—Putzig. Ueber die Anwendung der Trockenbuttermilch Eledon in der Aussenpraxis. *Deut. med. Wschr.*, 1929, 55: 1088.—Ronget, D. La babeurre dans l'alimentation des nourrissons. *Bull. méd., Par.*, 1935, 49: 514-7.—Rueda, P.

El empleo del babeurre en la dietética infantil. *Dia méd.*, B. Air., 1935, 7: 1101.—Saitz, C. [Buttermilk in the diet of infants] *Cas. lek. česk.*, 1929, 68: 733-7.—Well, H. Ueber konzentrierte Ernährung mit Buttermilch. *Msehr. Kinderh.*, 1926, 32: 40-3.

— Milk, cow's.

DOMANSKA, I. *Les inconvenients de l'emploi du lait pasteurisé dans l'alimentation des nourrissons. 48p. 8°. Strasb., 1933.

WOLFF, G. *Ueber den Kalk- und Phosphorsäurestoffwechsel des Säuglings bei knapper und reichlicher Ernährung mit Kuhmilch. 29p. 8°. Berl., 1912.

Bacon, E. Why we feed certified milk to infants and children. *Med. Searchlight*, 1935, 11: No. 5, 29.—Basu, U. P. Cow's milk as diet for infants. *Ind. J. Pediat.*, 1941, 8: 21-6.—Batsche, J. H. Certified milk important for children up to at least 3 years. *Certif. Milk*, 1941, 16: No. 188, 7.—Belle, G. Composition des laits au Maroc et alimentation des enfants. *Bull. Soc. path. exot., Par.*, 1933, 26: 792-5.—Bentivoglio, G. C. Sui criteri di diluizione del latte per l'alimentazione artificiale nei primi mesi di vita. *Policlinico*, 1930, 37: sez. prat., 1409; 1441.—Cassidy, P. B., & Tobey, J. A. Certified milk for infant feeding. *Arch. Pediat., N. Y.*, 1936, 53: 420-5.—Deslandes. Un moyen pratique de materiniser le lait de vaches; utilisation courante de ce lait pour l'élevage des nourrissons. *Gynécologie*, 1935, 34: 683-7.—Doik, H. [On the possibility of using cow's milk as addition to breast milk] *Nord. med.*, 1939, 2: 1996-8.—Elinghaus, J., Müller, E., & Steudel, H. Beiträge zur Kenntnis des Säuglingsstoffwechsels; über das Verhalten von Ammenmilch und Kuhmilchmischung im Stoffwechsel des Säuglings. *Arch. Kinderh.*, 1926, 79: 131-8.—Feer, E. La quantité exigée de lait de vache dans l'alimentation du nourrisson sain. *Liège méd.*, 1937, 30: 557-63.—Grüniger, U., & Hünemann, C. Ueber die Anwendungsmöglichkeiten mit Pegnin gelabter Kuhmilch in der Ernährungstherapie des Säuglings. *Zschr. Kinderh.*, 1931, 51: 419-31.—Henry, H. B. A comparison of the use of certified milk with other milks formerly used in infant feeding. *Certif. Milk*, 1938, 13: 3; 21.—Holzmann, E. Ueber die Ursache der Hemmung der glykämischen Reaktion durch Kuhmilchmolke. *Zschr. Kinderh.*, 1927-28, 45: 720-4.—Kobayasi, A., & Sugihara, J. Beitrag zur Vollkühmilchernaehrung bei jüngeren Säuglingen. *Acta paediat. jap.*, 1939, 45: 80 (Abstr.).—Ladd, M., Everts, H. W., & Franks, L. W. The relative efficiency of certified and pasteurized milk in infant feeding. *Arch. Pediat., N. Y.*, 1926, 43: 380-5.—Lereboullet, P. Les bases de la réglementation du lait de vache destiné aux enfants. *Paris méd.*, 1933, 89: 361-8.—Levine, V. E. Pasteurized milk as a food for the infant. *Arch. Pediat., N. Y.*, 1927, 44: 273-81.—Lewis, M. S. A comparative study of certified and pasteurized milk in infant feeding. *Ibid.*, 1929, 46: 85-98.—Mallinckrodt, van. Erfahrungen mit Dubo. *Msehr. Kinderh.*, 1923-24, 27: 438-41.—Marriott, W. McK., & Jaens, P. C. Composition and character of cow's milk. In *Their Inf. Nutr.*, 3. ed., S. Louis, 1941, 176-87.—Moro, E. Ueber die Drittelmilch als Säuglingsnahrung. *Münch. med. Wschr.*, 1928, 75: 89.—Mosher, G. C. Percentage modification of milk for infant feeding. *J. Missouri M. Ass.*, 1906-7, 3: 392-6.—Muggia, A. Alcuni metodi di approvvigionamento e preparazione del latte vaccino per l'alimentazione del bambino. *Clin. igien. inf.*, 1933, 8: 283-9.—Murison, C. C. Non-diluted milk for infants. *Ind. M. Gaz.*, 1926, 61: 444-6.—Nelson, M. Van K. The growth and nitrogen metabolism of infants receiving undiluted milk. *Am. J. Dis. Child.*, 1930, 39: 701-10. — Calcium and phosphorus metabolism of infants receiving undiluted milk. *Ibid.*, 1931, 42: 1090-9.—Notthohm, F. E. Eindrücke über die Stellung der Vorzugsmilch in England. *Zschr. Unters. Lebensmitt.*, 1929, 57: 201-4.—Renault, J., & Rolants, E. L'alimentation des enfants par le lait de vaches nourries avec les pulpes de betteraves. *Rev. hyg., Par.*, 1923, 45: 216-27.—Reyher, P. Das Problem einwandfreier Säuglingsmilch. *Arch. Kinderh.*, 1927, 81: 196-217. Also *Münch. med. Wschr.*, 1927, 74: 613. — Einwandfreie Säuglingsmilch. *Deut. med. Wschr.*, 1927, 53: 773. — Ueber den Gehalt der Kuhmilch an antineuritischen B-Vitamin. *Arch. Kinderh.*, 1928, 84: 55-67.—Rogers, A., Pavey, C. W., & Williams, A. Complementary feeding of the newborn; a comparison of plain cow's milk with cow's milk modified by the base exchange method. *Ohio M. J.*, 1934, 30: 441.—Rominger, E., & Müller, E. Vorschlag zur einfachen Herstellung einer Kuhmilchmischung für die künstliche Ernährung des Säuglings. *Kinderärztl. Prax.*, 1938, 9: 411-5.—Rueda, P. Suministración de leche higiénica al lactante. *Arch. lat. amer. pediat.*, B. Air., 1927, 3. ser., 21: 61-73.—Scharff, I. Die Gefahr der Verabreichung von roher Vorzugsmilch im Säuglingsalter. *Med. Klin., Berl.*, 1939, 35: 1076.—Scheer, K. Die Diätetik des Kindesalters unter besonderer Berücksichtigung der Milch. In *Med. Kolloidlehre* (Lichtwitz) 1935, 775-90.—Spiegel. Ueber Rohmilchernaehrung bei Säuglingen. *Wien. med. Wschr.*, 1936, 86: 805.—Valagussa, F., & Hafera, G. Sulla presenza dei saccaromiceti nel latte di vacca; importanza dell'attività batterica di essi entro il latte; contributo allo studio dell'alimentazione artificiale del bambino. *Riv. clin. pediat.*, 1905, 3: 825-41.—Wilkes, E. T. Whole milk plus carbohydrates in

early infant feeding. Arch. Pediat., N. Y., 1939, 56: 106-13.—**Zoeller, E.** Ueber Versuche mit Silomilch. Zschr. Kinderh., 1927, 44: 517-29.

Milk, curd.

Blatt, M. L. The importance of milk of low curd tension in infant feeding. Illinois M. J., 1939, 75: 545-9.—**Brennemann, J.** The curd and the buffer in infant feeding. J. Am. M. Ass., 1929, 92: 364-6.—**Elias, H. L.** Soft curd milk. Am. J. Dis. Child., 1932, 44: 296.—**Fowler, C. D.** Observations on feeding infants with low fat and otherwise modified evaporated milk. Arch. Pediat., N. Y., 1939, 56: 535-8.—**Glynn, J. H.** A simplified milk of low curd tension for infant feeding. Med. Press & Circ., Lond., 1939, 202: 424-7.—**Hill, R. L.** Soft-curd milk; a modern solution of the difficult feeding problems with infants. Abstr. Internat. Physiol. Congr., 1929, 13. Congr., 122. — Soft-curd milk: nature's food for infants. Arch. Pediat., N. Y., 1931, 48: 417-25.—**Jeans, P. C., Sterns, G.** [et al.] Factors possibly influencing the retention of calcium, phosphorus, and nitrogen by infants given whole milk feedings; the curdling agent. J. Pediat., S. Louis, 1936, 8: 403-14.—**Morris, M., & Richardson, G. A.** The production and use of soft curd milk. Ibid., 1933, 3: 449-60.—**Wolman, I. J.** Soft curd homogenized milks in infant feeding; preliminary report. Week. Roster, Phila., 1939-40, 35: 999-1001. — **Borowsky, S.** [et al.] Soft curd homogenized milk in infant feeding; a laboratory and clinical study. J. Pediat., S. Louis, 1942, 21: 45-72.

Milk, dried.

GELFELD, R. *Die Erfahrungen mit Alipogal (fettfreie Trockenmilch) an der Basler Kinderklinik [Basel] 20p. 8°. S. Louis, 1931.

GIREAUX, M. R. Le lait sec en diététique infantile [Paris] 75p. 8°. Fontenay-aux-Roses, 1933.

Abt, A. F., & Feingold, B. F. The use of powdered milk and milk derivatives in the concentration of infant foods. Med. Press & Circ., Lond., 1930, 130: 449-51.—**Amick, A. E.** A clinical study of powdered whole milk in infant feeding. West Virginia M. J., 1932, 28: 196-9.—**Art, A. F., & Feingold, B. F.** The use of powdered milk and milk derivatives in the concentration of infant foods. Arch. Pediat., N. Y., 1930, 47: 603-8.—**Ashton, L. O., Stringfield, O. L., & Martin, C. W.** A study of the routine used in powdered whole milk in infant feeding. Ibid., 1929, 46: 75-84.—**Beaman, C. W.** Dry milks in infant feeding. Eclect. M. J., 1926, 86: 385-9.—**Belloni, G.** Il latte in polvere nella alimentazione del lattante. Med. ital., 1930, 11: 262-70.—**Campbell, J.** Infant feeding; with special reference to roller-process milk powders. Med. Press & Circ., Lond., 1935, 190: 378-80.—**Cornalba, L.** La polvere di latte nell'allattamento; requisiti e composizione chimica. Boll. chim. farm., 1933, 72: 643-6.—**De Sanctis, A. G., Craig, J. D., & Stringfield, O. L.** A critical clinical study of concentrated and dried infant foods; modified dried milk. J. Pediat., S. Louis, 1932, 1: 704-18.—**Dick, G. F., & Dick, G. H.** The bacteriology of dried powdered milk preparations used in infant feeding. Am. J. Dis. Child., 1927, 34: 1040.—**Dombrowskaia, I. F., Diligenskaja, L. A., & Aronova, M. M.** [Dried milk in the diet of young children] Pediatra, Moskva, 1938, No. 6, 42-9.—**Ego Aguirre, E.** Leche en polvo y condensada en la alimentación del niño de pecho. Crón. méd., Lima, 1935, 52: 227-34.—**Giblin, J., & von Pourtales, J. H.** Dried powdered milk preparations used in the feeding of infants. Am. J. Dis. Child., 1931, 41: 1100-3.—**Hidesonfo, D. M.** Algunas notas prácticas al margen de la alimentación artificial con especialidad la leche concentrada y la leche seca. Medicina, México, 1930-31, 11: 483-94.—**Jazmines, V. H.** Advantages of properly modified powdered milk in infant feeding. J. Philippine Islands M. Ass., 1934, 14: 142-8.—**Kizoulis, C. M.** De l'emploi d'un nouveau lait sec dans l'alimentation des nourrissons. Praxis, Bern, 1936, 25: 545-7.—**McCord, M. M.** Some observations of the results following the use of dry milk in infant feeding extending over a period of 10 years. Arch. Pediat., N. Y., 1929, 46: 561-70. — A summary of various types of infants fed on dry milk extending over a period of 14 years. Ibid., 1933, 50: 873-8.—**Martino, L.** L'impiego de latte secco nell'allattamento misto ed artificiale. Studium, Nap., 1930, 20: 273.—**Mössner, E.** Milchpulver in der Säuglingsnahrung. Med. Welt, 1927, 1: 802.—**Murttag, J. J.** Las leches secas y los babeures en polvo. Dia méd., B. Air., 1936, 8: 692-7.—**Naish, A. E.** The use of dried milk. Pediatrics, N. Y., 1914, 26: 247-51.—**Nobel, E., & Wagner, R.** Trockenmilch in der Kinderernährung. Zschr. Kinderh., 1921, 30: 281-301.—**Ostrovskaja, I. M., & Emdina, K. L.** [Dessicated milk in the diet of young children] Pediatra, Moskva, 1941, No. 3, 37-42.—**Persoff, L. E.** Dried milk products. Arch. Pediat., N. Y., 1928, 45: 681-6.—**Pogorschelsky, H.** Die Trockenmilch und ihre Verwendung in der Säuglingsernährung. Fortsch. Med., 1926, 44: 529-31.—**Pritchard, E.** Clinical lecture on the uses of dried milk in infant feeding. Med. Press & Circ., Lond., 1914, n. ser., 97: 192-5.—**Roume, A.** Etude de la poudre de lait et sur son usage pour l'alimentation des enfants. Gynécologie, 1928, 27: 643-83.—**Suzuki, T.** Studies on artificial feeding of infants; clinical studies of dried milks for infant feeding. Orient. J. Dis. Inf., Kyoto, 1927, 2:

No. 4, 1-12. — Studies on the artificial feeding of infants; the nutritive value of dried milk as food for infants. In Med. Conf. New Dairen Hosp., 1927, 1-6. Also J. Orient. M., Dairen, 1927, 7: 7-38, 6 pl. Also Orient. J. Dis. Inf., Kyoto, 1927, 2: 125-32.—**Vitale, E.** Sull'impiego del latte in polvere nell'alimentazione del lattante. Rinasc. med., 1935, 12: 200.

Milk, evaporated and condensed.

CHICAGO, ILL. IRRADIATED EVAPORATED MILK INSTITUTE. Infant feeding with irradiated evaporated milk; a statement for physicians. 31p. 23cm. Chic., 1935.

Beattie, B. Advantages of evaporated milk in infant feeding. Med. Woman J., 1930, 37: 87.—**Cannady, N. B.** Evaporated milk dilution in infant feeding. Tr. M. Ass. Alabama, 1930, 63: 382-6.—**Eichelberger, M.** Irradiated evaporated milk and its use in infant feeding. Med. Woman J., 1935, 42: 326-30.—**Ellis, R. W. B.** The use of irradiated evaporated milk in infant feeding. Arch. Dis. Child., Lond., 1939, 14: 295-306.—**Jeans, P. C., & Stearns, G.** The growth and retention of infants receiving evaporated milk. Tr. Am. Pediat. Soc., 1931, 43: 41-3. — Growth and retentions of calcium, phosphorus and nitrogen of infants fed evaporated milk. Am. J. Dis. Child., 1933, 46: 68-89. — Retention of calcium by infants fed evaporated milk containing cod liver oil concentrate. Proc. Soc. Exp. Biol., N. Y., 1934-35, 32: 1464-6.—**Kerley, C. G.** Evaporated milk in infant feeding. Arch. Pediat., N. Y., 1932, 49: 22-6.—**Kohn, R.** Sur l'emploi d'un lait concentré homogénéisé non sucré, lait évaporé, chez les nourrissons sains; essais cliniques. Nourrisson, 1939, 27: 261-79.—**Kositza, L.** A comparative study on the use of unsweetened evaporated milk and bottled cow's milk in infant feeding. J. Pediat., S. Louis, 1932, 1: 426-34.—**Krauss, R.** Vollmilchkonserven (evaporierte Milch) als Säuglingsnahrung. Kinderärztl. Prax., 1939, 10: 513-7.—**Lowenburg, H.** Clinical experience with evaporated milk as a source of food supply in 175 artificially fed sucklings. Med. Times, N. Y., 1929, 57: 84; 89.—**McAlpine, K. L., & Sumner, G.** A comparative study of S. M. A. evaporated milk and breast milk feedings. Am. J. Dis. Child., 1942, 64: 757.—**McMahon, H. O.** A simplified infant feeding formula; a report of the use of irradiated evaporated milk and water in 2,004 cases. Wisconsin M. J., 1939, 38: 874-6.—**Marriott, W. McK., & Jeans, P. C.** Evaporated milk mixtures. In their Inf. Nutr., 3. ed., S. Louis, 1941, 198-201.—**Marriott, W. McK., & Schoenthal, L.** An experimental study of the use of unsweetened evaporated milk for the preparation of infant feeding formulas. Arch. Pediat., N. Y., 1929, 46: 135-48.—**Nicolas, C.** Puériculture et lait condensé en Nouvelle-Calédonie. Bull. Soc. path. exot., Par., 1912, 5: 231-3.—**Olmsted, H. C.** An experience with evaporated milk in infant feeding. Northwest M., 1930, 29: 475-8.—**Quillion, W.** Evaporated milk in infant feeding; a clinical study of 340 cases. J. Florida M. Ass., 1934, 20: 291-5.—**Rice, F. E.** The use of unsweetened evaporated milk in infant feeding. Arch. Pediat., N. Y., 1927, 44: 758-65. — Recent developments in the use of evaporated milk in infant feeding. Ibid., 1930, 47: 647-50.—**Scheer, K.** Evaporierte Milch als Säuglingsnahrung. Arch. Kinderh., 1939, 117: 180-94.—**Skole, S.** Evaporated milk and beta lactose in infant feeding. Med. Rec., N. Y., 1934, 139: 87-90.—**Slemmons, W. S.** Adaptabilidad y suficiencia de la leche evaporada en la alimentación infantil. Bol. As. méd. Puerto Rico, 1939, 31: 86-90.—**Snelling, C. E.** Use of evaporated half-skimmed milk in infant feeding. Am. J. Dis. Child., 1942, 64: 755.—**Stringfield, O. L., & Tobey, J. A.** The advantages and limitations of condensed milk in infant feeding. Arch. Pediat., N. Y., 1930, 47: 769-78.—**Tobey, J. A.** Evaporated milk for infant feeding. Med. J. & Rec., 1931, 133: 65-7.

Milk, fatty.

Aschenheim, E. Quarkfettmilch, ein weiterer Ersatz der Eiweissmilch. Ther. Mhefte, 1914, 28: 435-7.—**Frontali, G.** Die Oelmilch. Mschr. Kinderh., 1938, 75: 189-201.—**Pirquet, C.** Milch von höherem Fettgehalte. Zschr. Kinderh., 1927, 43: 457-61.

Milk, modified.

CHANOWICZ, S. *Le lait au roux comme aliment-remède pour les nourrissons [Genève] 20p. 8°. Annemasse, 1935.

CHICAGO, ILL. IRRADIATED EVAPORATED MILK INSTITUTE. Irradiated evaporated milk [4]p. 23cm. Chic., 1934.

HERZLICH, H. [née KAPLAN] *L'emploi du lait caillé dans la diététique du nourrisson. 82p. 8°. Par., 1936.

Arroyo, A. Leches modificadas en alimentación infantil. Rev. méd. Hosp. gen. Puebla, 1942, 3: 3-14.—**Backhaus.** Grundsätze und Erfahrungen auf dem Gebiete der Kindermilchbereitung. Münch. med. Wschr., 1905, 52: 1883-5.—**Berend, M.** A Székely-féle tej kritikája. Orv. hetil., 1908, 52: 88.—**Blatt, M. L., Harris, E. H.** [et al.] An evaluation of enzyme

treated milk in infant feeding. *J. Pediat.*, S. Louis, 1940, 17: 435-47.—**Bosworth, A. W.** The preparation of a synthetic milk for use in studying infant metabolism. *Science*, 1916, 49: 251.—**Bowditch, H. I., & Bosworth, A. W.** A method of preparing synthetic milk for studies of infant metabolism. *Am. J. Obst.*, 1916, 74: 532.—**Brehme, T.** Wann soll man in der Kinderpraxis Milchpräparate verwenden? *Zschr. ärztl. Fortbild.*, 1937, 34: 78-81.—**Brizzi, P. L.** Studio sul latte modificato nella sua costituzione per l'eliminazione dei grassi e l'aggiunta di vari zuccheri. *Lattante*, 1931, 2: 831-41.—**Campbell, K.** A method of feeding concentrated milk mixtures to infants. *Med. J. Australia*, 1934, 1: 557-60.—**Castañeda, H. L.** Lactancia artificial con leches modificadas. *Día méd.*, B. Air., 1942, 14: 790-3.—**Clark, W. H.** The value of irradiated milk in infant feeding. *Arch. Pediat.*, N. Y., 1938, 55: 178-85.—**Clarke, L. B.** A simple original method of computing milk formulae. *Atlanta J. Rec. Med.*, 1906-7, 8: 723-6.—**Decherf, E.** Laits modifiés dans leur composition chimique ou moléculaire. *Arch. méd. enf.*, 1908, 11: 370-404.—**Deming, M. F.** A simple device for working directly with percentages in the home modification of cow's milk. *N. York M. J.*, 1906, 84: 219-22.—**De Sanctis, A. G., Craig, J. D., & Fales, H. L.** A critical clinical study of various infant foods; fresh whole milk modification without fat deficiency. *J. Pediat.*, S. Louis, 1933, 3: 891-901.—**Dienst, G.** Le lait calcique du professeur Moll. *Rev. méd.*, Louvain, 1929, 177-80.—**Dillon, C. J.** Working formulae to facilitate the percentage modification of milk. *Med. Rec.*, N. Y., 1907, 71: 60.—**Diluizione e addolcimento del latte per allattamento artificiale.** *Gazz. osp.*, 1935, 56: 32.—**Dukes, C. A.** Home modification of cow's milk. *Pacific M. J.*, 1905, 48: 394-8.—**Eyzaguirre, R.** La leche amido-bútrica de Czerny-Kleinschmidt. *Crón. méd.*, Lima, 1922, 39: 265-71.—**Ferraro, F.** Primi esperimenti di alimentazione dei lattanti con latte-calca di Moll. *Atti Congr. pediat. ital.*, 1931, 14. Congr., pt 2, 829-33.—**Foussier, M.** Etude sur le lait de grand ramassage dans ses rapports avec l'alimentation infantile. *Bull. Acad. méd.*, Par., 1931, 3. ser., 106: 99-103.—**Friedman, S.** Infant feeding; the proprietary milk preparations. *Arch. Pediat.*, N. Y., 1933, 50: 261-71.—**Frontali, G.** Modification of protein complexes and fat mixtures in cow's milk destined for infant nutrition. *Acta paediat.*, Ups., 1933, 16: 381-99.—**Gruice, C. G., Sanford, H. N., & Lewison, M.** Irradiated evaporated milk as a food for infants; a study of growth, elimination, protection from rickets, and morbidity in upper respiratory infections in comparative groups fed on irradiated and nonirradiated evaporated milk. *J. Pediat.*, S. Louis, 1939, 14: 725-9.—**Hess, J. H., Koch, E. M., & Sennewald, Z. C.** Peptic digestion of cow's milk; the effect of various modifications used in infant feeding. *J. Am. M. Ass.*, 1926, 87: 1360-4.—**Hess, J. H., Poncher, H. G.** [et al.] Cow's milk treated by base exchange for infant feeding; metabolism of calcium, phosphorus and nitrogen. *Am. J. Dis. Child.*, 1940, 60: 535-47.—**Jewesbury, R. C.** Cream in infant feeding. *Lancet*, Lond., 1927, 1: 945.—**Krausz, G.** Eine einfache Zubereitung der Eiweiss- und der Buttermilch im Haushalt. *Zschr. Kinderh.*, 1927-28, 45: 686-8.—**Kugelmass, I. N.** Milk modification and infant constitution. *N. England J. M.*, 1936, 215: 1285-91.—**Lassabatine, De la valeur des laits homogénéisés dans l'hygiène et la thérapeutique infantiles.** *Ber. Internat. Congr. Säuglingsschutz* (1911) 1912, 3. Congr., 336-41.—**Laite (Il)** Backhaus e l'allattamento. *Gior. farm. chim.*, Tor., 1907, 56: 441-5.—**Lesné, E., & Dreyfus-Sée, G.** L'utilisation du lait calcique dans la diététique de la première enfance. *Bull. Soc. pédiat.*, Paris, 1933, 31: 347-51.—**Lestocquoy, C.** L'allaitement artificiel; le lait de vache; les laits modifiés. *Gyn. obst.*, Par., 1927, 15: 44-52.—**Macchi, A.** Il latte ozonizzato per l'alimentazione del lattante. *Rinasc. med.*, 1927, 4: 552-5, 4 pl., 3 ch.—**Maestre Ibáñez, M.** Los productos lácteos empleados en la alimentación del niño. *Arch. med.*, Madr., 1927, 26: 689-95.—**Marfan, A. B.** Le lait concentré et le lait sec. *Nourrisson*, 1930, 18: 1-25.—**Remarques sur l'emploi des laits concentrés.** *Ibid.*, 1934, 22: 337-49.—**Mistretta, A.** Valore pratico dell'ozonizzazione del latte destinato alla alimentazione del bambino. *Riv. clin. pediat.*, 1929, 27: 81-110, pl.—**Moorehouse, G. W.** The determination of the caloric value of modified milk. *Arch. Pediat.*, N. Y., 1907, 24: 86-91.—**Moro, L.** Contributo all'alimentazione dei lattanti con latte condensato. *Pediatria (Riv.)*, 1930, 38: 663-72.—**Nobécourt, P., & Bize, P. R.** Le lait traité par l'extrait de pancréas dans l'alimentation des nourrissons atteints de troubles digestifs. *Bull. gén. théor.*, 1927, 178: 241-9.—**Paterson, D.** The uses and limitations of cream in infant feeding. *Lancet*, Lond., 1927, 1: 870.—**Paul, E.** Milch-eiweiss in der Ernährung des Säuglings und Kleinkindes. *Deut. med. Wschr.*, 1936, 62: 1163.—**Perez, J. R.** Comparative value in infant feeding of condensed, fresh, canned natural, and whole powdered cow's milk. *J. Philippine Islands M. Ass.*, 1929, 9: 265-76.—**Randoin, L., & Lecocq, R.** Equilibre alimentaire et laits artificiels. *C. rend. Soc. biol.*, 1929, 102: 371-3.—**Reithel, F. J., & Manville, I. A.** Advantages of adding apple to milk formulas. *Am. J. Dis. Child.*, 1938, 56: 235-8.—**Rocchi, F. S.** Sobre alcuni casi di allattamento artificiale con il latte umanizzato Gärtners. *Atti Soc. ital. ostet.*, 1898, 5: 438.—**Rotch, T. M.** The American methods in the modification of milk in the feeding of infants. *Brit. M. J.*, 1902, 2: 653-72.—**Salvioli, G.** Das Verhalten der Milch bei Zusatz einiger Farbstoffe und kolloidaler Metalle. *Jahrb. Kinderh.*, 1933, 3. F., 89: 242-52.—**Schiavone, G. A.** Sobre algunos aspectos de la alimentación artificial del lactante; leches modificadas y diversos derivados de la leche de vaca. *Sem. méd.*, B. Air., 1937, 44:

pt 1, 1230-7.—**Short, W. H.** The use of modified milk in infant feeding. *U. S. Nav. M. Bull.*, 1927, 25: 73-86.—**Snelling, C. E.** The use of evaporated half-skimmed milk in infant feeding. *Canad. M. Ass. J.*, 1943, 48: 32.—**Storchi, L.** Preparazione di un latticello per collettività infantili. *Atti Congr. pediat. ital.*, 1931, 14. Congr., pt 2, 843-7.—**Stork.** Indikationen und Methoden der Zwiemilchernährung beim Neugeborenen. *Klin. Wschr.*, 1926, 5: 1682.—**Székely, S.** Eszrevételek a Székely-féle tej kritikájához. *Orv. hetil.*, 1908, 52: 55-7.—**Tobey, J. A.** Recent clinical experiences with 3,800 infants on evaporated, powdered and condensed milks: a review. *Arch. Pediat.*, N. Y., 1933, 50: 183-91.—**Valgimigli, U.** Sui metodi di arricchimento delle diluizioni del latte nell'allattamento artificiale. *Gior. med. prat.*, 1927, 9: 163-9.—**Wallace, H. L.** The modification of cow's milk for infant feeding. *Tr. Edinburgh Obst. Soc.*, 1936-37, 96. Sess., 102-13, 2 pl. Also *J. Obst. Gyn. Brit. Empire*, 1937, 44: 811.—**Weinfeld, G. F., & Floore, F. B.** Infant feeding, with unlimited amounts of a concentrated and a dilute cow's milk formula. *Am. J. Dis. Child.*, 1930, 40: 1208-14.—**Wolman, I. J.** Homogenized milk; a new development in the adaptation of cow's milk for infant feeding. *Pennsylvania M. J.*, 1940-41, 44: 735-8.

Milk, protein.

GLANZMANN, E. *Studien und Erfahrungen über Eiweissmilch und ihre Ersatzpräparate. 88p. 8°. Bern, 1915.

NAF, F. *Beobachtungen über Eiweissmilch. 40p. 8°. Zür., 1913.

Abt, J. A. Indications and directions for the use of albumin milk. *N. York M. J.*, 1911, 93: 6.—**Alschwang, G.** [Albuminous milk] *J. rann. detsk. vozr.*, 1932, 12: 419.—**Bauzá, J. A.** Sobre la leche albuminoide (Eiweissmilch). *Arch. lat. amer. pediat.*, B. Air., 1914, 8: 187-200.—**Brady, J. M.** Personal experience with albumin milk. *Week. Bull. S. Louis M. Soc.*, 1911, 5: 485.—**The preparation of albumin milk in the home.** *J. Am. M. Ass.*, 1913, 61: 1810.—**Bruin, J. de.** Een paar opmerkingen over eiwitmelk. *Ned. tscr. geneesk.*, 1918, 1: 1333-7.—**Buschmann, H.** Erfahrungen mit der Eiweissmilch-Einbreunne. *E. M. E. Deut. med. Wschr.*, 1927, 53: 1782.—**Cassel, J.** Erfahrungen mit Eiweissmilch. *Arch. Kinderh.*, 1912, 58: 241-92.—**Finkelstein, H., & Meyer, L. F.** Ueber Eiweissmilch, ein Beitrag zum Problem der künstlichen Ernährung. *Jahrb. Kinderh.*, 1910, 71: 525-70.—**Frank, A.** Ueber die Verwendung einer modifizierten Eiweiss-Rahm-Milch nach Peer in der Säuglingsernährung. *Schweiz. med. Wschr.*, 1934, 64: 205-8.—**Gorter, E.** Over eiwitmelk. *Ned. mschr. verlosk.*, 1912, 1: 74-86, incl. 2 pl.—**Hill, L., & Mellor, A. W. C.** Protein milk in infant feeding. *Lancet*, Lond., 1930, 2: 398.—**Hoobler, B. R.** A simple method of preparing albumin milk. *Arch. Pediat.*, N. Y., 1914, 31: 174.—**Kern, H., & Müller, E.** Ueber eine vereinfachte Herstellung der Eiweissmilch. *Berl. klin. Wschr.*, 1913, 50: 2237.—**Leichtenritt, B.** Erfahrungen über die nach dem Verfahren von Engel hergestellte Eiweissmilch. *Arch. Kinderh.*, 1914, 53: 61-3.—**Lichtenstein, A.** Erfahrungen mit Eiweissmilch. *Münch. med. Wschr.*, 1914, 61: 1512.—**Luntz, R. O.** [Use of albuminous milk in artificial feeding of infants] *Klin. med.*, Moskva, 1927, 5: No. 7, 415-22.—**Meininger, L. L.** Use of eiweissmilch. *Arch. Pediat.*, N. Y., 1916, 33: 529-32.—**Moll, L.** Ueber eine leicht herstellbare Eiweissmilch und ihre therapeutische Anwendung. *Wien. med. Wschr.*, 1922, 72: 896-5.—**Mondigliani, E.** Esperienze cliniche sul latte albuminoso di Finkelstein e Meyer. *Pediatria, Nap.*, 1914, 2. ser., 22: 405-10.—**Ochsensius, K.** Zwieback statt Nährzucker bei Eiweissmilch. *Med. Klin.*, Berl., 1928, 24: 1952.—**Porcher, C.** A propos du procès verbal sur le lait albumineux. *Bull. Soc. méd. hôp. Lyon*, 1912, 10: 36.—**Poulsen, V.** Om Aegghvidemælk. *Ugeskr. læger*, 1912, 74: 1017-26.—**2½ jährige Erfahrungen mit Eiweissmilch.** *Jahrb. Kinderh.*, 1915, n. ser., 82: 175-215. Also *Ugeskr. læger*, 1915, 77: 875-92.—**R.** Las leches albuminizadas con cascinate de calcio en la diética infantil. *Día méd.*, B. Air., 1938, 10: 212.—**Reuss, A. von.** Ueber Eiweissmilch. *Mitt. Ges. inn. Med. Kinderh.*, Wien, 1911, 10: 4-6.—**Ueber die Eiweissmilch nach Finkelstein-Meyer und verwandte Methoden.** *Wien. med. Wschr.*, 1911, 61: 2188-95.—**Schlutz, F. W.** Albumin milk: the technic and indications for its use. *J. Lancet*, 1912, 32: 181-4.—**Schreiber, G.** Le lait albumineux. *Presse méd.*, 1910, 18: 979.—**Shabad, I. A.** [Albuminous milk as a therapeutic dietetic remedy in disturbed digestion in children] *Pediatria, Moskva*, 1913, 4: 276; 377.—**Sluka, E., & Spork, B.** Ueber die Erfolge der Eiweissmilchernährung im Hause und im Spital. *Wien. klin. Wschr.*, 1914, 27: 833-6.—**Soldin, M.** Noch eine einfache Methode zur Bereitung eiweissreicher Milch. *Berl. klin. Wschr.*, 1914, 51: 794.—**Velasco.** Säuglingsernährung mit Edelweissmilch. *Med. Welt*, 1927, 1: 981.—**Weill, E., & Mouriquand, G.** Recherches cliniques sur le lait albumineux. *Bull. Soc. méd. hôp. Lyon*, 1912, 10: 17-21.

Milk, sour.

BLACK, S. B. *The place of lactic acid milk in infant feeding. 24p. 4°. Milwaukee, 1933.

CARDIACOS, A. *L'emploi du lait entier acidifié chez le nourrisson. 97p. 8°. Par., 1937.

EWALD, K. *Ueber die Ernährung Neugeborener und junger Säuglinge mit Zitronensäurevollmilch [Münster] 17p. 21cm. Bottrop, 1936.

MASQUET, V. J. *L'emploi des laits acides chez le nourrisson. 87p. 8° Par., 1928.

ROHDE, H. *Ueber die Eignung gesäuerter Milch zur Ernährung des Säuglings [Halle-Wittenberg] 31p. 8° Hamburg [1932]

SCHIEDEGGER, H. *Durch Milch- oder Zitronensäure gesäuerte Magermilch als Ersatz für Buttermilch. p.101-28. 24½cm. Basel, 1941.

SPEKTOR, H. *L'alimentation du nourrisson par le lait en poudre acidifié. 24p. 23cm. Genève, 1939.

STECKLER, P. P. *De l'emploi du pélagon à la pouponnière de Lausanne. 16p. 8° Lausanne, 1935.

STERN-KLOISTOCK, R. *Beobachtungen an mit Lacto-Veguva und mit Milchsäurevollmilch ernährten Kindern aus dem Kinderheim Berg [Basel] 46p. 21cm. Bern, 1939.

VIDAL, J. H. N. *Etude sur l'emploi du lait entier en poudre acidifié pour l'alimentation des nourrissons [Marseille] 91p. 24½cm. Narbonne, 1938.

WOLTER, S. H. *Lactic acid milk feedings with clinical observations [Marquette Univ.] 14p. 4° Milwaukee, 1926.

Adam, A. Ueber Sauermilch und die Grundsätze ihrer Anwendung bei Säuglingen. Kinderärztl. Prax., 1936, 7: 322-9.—Arnold, L. Influence of acidified milk on duodenal function in infants. Am. J. Dis. Child., 1926, 31: 668-75.

—Citrat versus acid milk in infant feeding. Arch. Pediat., N. Y., 1929, 46: 637-45.—Babonneix, L. Les laits acidifiés dans l'alimentation des nourrissons. Gaz. hôp., 1937, 110: 1358.—Barenberg, L. H., Abramson, H., & Messer, W. H. Five years' clinical experience with lemon-juice milk. Am. J. Dis. Child., 1930, 39: 948-53.—Baumann, E. P. The use of soured milk in infant feeding. Med. J. S. Africa, 1926-27, 22: 44-50.—Baumgärtel, T. Untersuchungen über die Haltbarkeit der mit Acileiten hergestellten Sauermilch. Mschr. Kinderh., 1938, 72: 27-33.—Bauza, J. A., & Obes Polleri, J. Las lechías ácidas. Arch. pediat. Uruguay, 1934, 5: 78; 375; 406; 452; 485; 1935, 6: 5; 49.—Behrendt, H. Sauermilchen und ihre Indikationen im Kleinkindes- und Schulanter. Kinderärztl. Prax., 1930, 1: 105-9.

—Ueber Sauermilchernährung und ihre Verwendung in der geschlossenen und offenen Fürsorge. Gesundh. f. Kindesalt., 1932, 7: 187-96.—Benoliel, S. O emprêgo dos leites acidificados em dietética dos lactantes. Med. contemp., Lisb., 1934, 52: 181-8.

Bernuth, F. von, & Dukes, J. Experimentelle Untersuchungen über die Zylindurie bei Verabreichung von Salzsauremilch. Arch. Kinderh., 1926-27, 80: 241-4.—Bohn, A. Essais d'alaitement de nourrissons sains avec un lait sec entier acidifié. Discuss. Congr. pédiat. langue fr., 1936, 9. Congr., 157-64. Also Nourrisson, 1936, 24: 287-94.

—Précisions sur le lait sec entier acidifié et son emploi chez les nourrissons. Ibid., 1937, 25: 283-94.—Sur l'emploi du lait acidifié chez 125 nourrissons normaux ou hypotrophiques, âgés de 2 semaines à 3 mois. Bull. Soc. pédiat. Paris, 1937, 35: 110-7.—Brady, J. M. Acidified milk in pediatric practice. Week. Bull. S. Louis M. Soc., 1910, 4: 63.—Brahdy, M. B. Lactate metabolism in infants; its relation to lactic acid milk. Am. J. Dis. Child., 1927, 33: 451-7.—Canino, R. Il latte in polvere acidificato nell'alimentazione del lattante. Athena, Roma, 1940, 9: 245-7.—Cassie, E., & Cox, U. The examination of the gastric contents in infants, with some considerations as to the value of lactic acid milk in infant feeding. Lancet, Lond., 1926, 2: 322-5.—Chu, F. T. Lactic acid milk in infant feeding. Nat. M. J. China, 1928, 14: 219-31.—Cimmino, M. Dalla pratica per la pratica; il latte in polvere acidificato nell'allevamento artificiale. Rass. internaz. clin. ter., 1938, 19: 668-71.

Craig, J. D., & Tobey, J. A. The advantages of cultured lactic acid milks. Arch. Pediat., N. Y., 1932, 49: 534.—Cronin, E. J. Lactic acid milk in the feeding of infants. N. Zealand M. J., 1933, 32: 149-59.—Damianovich, J., & Puig, I. La leche ácida hipergrasosa en el primer trimestre de edad. An. Soc. puericult. B. Aires, 1939, 5: 256-62. Also Arch. argent. pediat., 1940, 13: 201; 294. Also Sem. méd., B. Air., 1940, 47: pt 1: 846-9.—Dunham, B. S. Acetic acid milk from the acetic acid of the United States Pharmacopeia. Am. J. Dis. Child., 1926, 32: 384.

—Acetic acid milk in infant feeding. Ohio M. J., 1928, 24: 701-4.—Dwyer, H. L. Acidified milk in infant feeding. J. Kansas M. Soc., 1926, 26: 140-2.—Exhaquet, L. De l'emploi d'un lait acidifié dans l'alimentation des nourrissons normaux. Bull. méd., Par., 1935, 55: 891-3. Also Rev. méd. Suisse rom., 1935, 55: 622-9.

—Remarques sur l'emploi du lait acidifié. Nourrisson, 1937, 25: 298-305.—Faber, H. K. Acidified milks; with special considera-

tion of the indications and limitations to their use. Am. J. Dis. Child., 1926, 31: 395-409.—Feer, E. Der Wert der Sauer- und Trockenmilchen für den gesunden und den ernährungs-gestörten Säugling. Schweiz. med. Wschr., 1934, 64: 501-5.

—Milchsäuremilch und Pelargon in der Säuglings-ernährung. Ibid., 1942, 72: 1043.—Foster, E. La leche ácida en la alimentación del lactante. Sem. méd., B. Air., 1926, 33: pt 2, 1560.—Fykow, A., & Mayer, J. B. Ernährung der Säuglinge mit bulgarischer Sauermilch (Joghurt) und ihre Wirkung auf die Darmflora. Zschr. Kinderh., 1939, 61: 461-8.—Gaing, E. La leche ácida hipergrasosa en la primera infancia. Sem. méd., B. Air., 1932, 39: pt 2, 1518-31.

—Breve reseña sobre la leche ácida hipergrasosa; un alimento para lactantes sanos; resultados de 333 casos dentro del primer trimestre de vida. Arch. argent. pediat., 1933, 4: 594-9.—Gantner-Schwarz, M. Frische Vollmilch mit Mehl- und Zuckerzusatz gesäuert durch frischen Zitronensaft. Schweiz. med. Wschr., 1941, 71: 1621.—Gautier, P. A propos de la poudre de lait acidifié. Nourrisson, 1937, 25: 295-7.

Henny, G., & Perroullaz, A. Alimentation du nourrisson par le lait en poudre acidifié. Praxis, Bern, 1935, 24: 439-43. Also Rev. fr. pédiat., 1936, 12: 87-95.—Gerstley, J. R. Infant nutrition; lactic acid milk; has it solved the problems of infant nutrition? Am. J. Dis. Child., 1933, 45: 538-54.—Giraud, P., & Vidal, J. Les selles des enfants nourris au lait entier en poudre acidifié; étude sur l'absorption des graisses. Nourrisson, 1939, 27: 1-15.—Gismondi, A. Progressi nella tecnica dell'allevamento artificiale; il latte in polvere acidificato e il latticello in polvere. Prat. pediat., Milano, 1938, 16: 3-11.—Goeters, W. Bakterienentwicklung und Milchsäurebildung in Zitronensäuremilch (Acileitenmilch). Zschr. Kinderh., 1938-39, 60: 77-86.

—Veränderungen in der qualitativen Zusammensetzung der Bakterienflora im Säuglingsstuhl durch Zitronensäuremilch (Acileitenmilch). Ibid., 92-4.—Gonce, J. E., jr., & Templeton, H. L. Citric acid milk in infant feeding. Am. J. Dis. Child., 1930, 39: 265-76.—Guggieri, E. Alimentación artificial de la primera infancia; leches aciduladas. Dia méd. urug., 1939-40, 7: 37-40.—Hess, J. H., Chamberlain, I. M., & Robins, L. S. Dried lactic acid milks as a long continued diet for infants. J. Am. M. Ass., 1932, 98: 1250-3.—Hill, F. S. Lactic acid milk in infant feeding. N. Orleans M. & S. J., 1925-26, 78: 759-61.—Hottinger, A. Ueber Nutra-

cid (Milchsäurevollmilchernährung) Schweiz. med. Wschr., 1939, 69: 814.—Kehm, E. Erfahrungen mit der Zitronenmilchernährung der Säuglinge. Hippokrat., Stuttg., 1939, 10: 1319-23.—Kernick, M. O. Lactic acid milk in infant feeding. J. Michigan M. Soc., 1927, 26: 439-41.—Kirsbraun, A. [Lactic acid mixtures in the diet of infants] Warsz. czas. lek., 1937, 14: 569-71.—Kleinschmidt, H. Die Verwendung von Fauermilch in der Säuglingsernährung. Wien. med. Wschr., 1940, 90: 645.—Kochmann, R., & Steinbach, M. Klinische Erfahrungen mit Milchsäurevollmilch und Zitronensaftvollmilch. Jahrb. Kinderh., 1927-28, 3. F., 68: 36-46.—Krauss, F. I. Acidified milk in infant feeding. J. M. Soc. N. Jersey, 1928, 25: 792-7.

—Levine, V. E. Acidified milks in infant feeding. Arch. Pediat., N. Y., 1926, 43: 631-58.—Lunz, R. O. Klinische Betrachtungen über die Anwendung der angesäuerten Milch als Dauernahrung. Arch. Kinderh., 1927, 82: 145-50.—Lydtin, E. Die Bedeutung der Milchsäure- und Zitronensäure-Vollmilch in der Säuglingsernährung. Münch. med. Wschr., 1933, 80: 1321-3.—Lynch, H. D. Powdered citric acid milk in infant feeding; comparison of clinical results with those of powdered whole milk. Arch. Pediat., N. Y., 1932, 49: 763-8.—Main berg, N. Citrido-mjolk vid artificiell uppfödning av spädbarn. Nord. med., 1941, 9: 528-32.

—Mayer, J. B. Ernährung von jungen Säuglingen mit gesäuerten Neugeborenen und von jungen Säuglingen mit gesäuerten Vollmilch. Mschr. Kinderh., 1939, 79: 323-31.—Marfan, A. B. Remarques sur l'emploi de la poudre de lait entier acidifié. Nourrisson, 1937, 25: 172-5.—Mayer, J. B., & Chevalley, M. Essai de substitution du lait acidifié au biberon dans l'alimentation des nouveau-nés débiles et hypotrophiques. Bull. Soc. pédiat. Paris, 1928, 26: 239-51.—Marriott, W. McK., & Jeans, P. C. Acid milk. In their Inf. Nutr., 3. ed., S. Louis, 1941, 202-12.—Mayer, J. B. Zur Säurevollmilchernährung; Ernährungsversuche mit Aletemilch. Zschr. Kinderh., 1939, 61: 168-78.—Mendilaharsu, J. R., Nesi, F. J., & Gentile, M. Consideraciones sobre nuestros ensayos de alimentación en el lactante sano y en el raquítico con una leche entera acidificada adicionada de vitamina D. Sem. méd., B. Air., 1941, 48: pt 2, 1174-9.—Mischke, H. Zur modernen Säurevollmilchernährung der Säuglinge. Kinderärztl. Prax., 1939, 10: 494-6.—Montesano de Durand, C. La leche ácida hipergrasosa como alimento único del recién nacido y lactante de pocos meses. Sem. méd., B. Air., 1935, 42: pt 1, 1364-6.—Müller, E., Bessau, G. [et al.] Sind die Sauervollmilchen der Allgemeinheit zur Ernährung des gesunden, jungen Säuglings zu empfehlen? Arch. Kinderh., 1934, 102: 129-53.—Müller, E., & Rominger, E. Erfahrungen mit Milchsäure-Malzmilch. Kinderärztl. Prax., 1937, 8: 499-504.—Nebytova-Lukianchikova, M. N. [Sour-milk products and their significance in the alimentation of children] Vopr. materin., 1940, No. 6, 14-21.—Neff, E. C., & Dillon, T. G. Lactic acid milk as an additional food for young infants. J. Kansas M. Soc., 1926, 26: 137-40.—Niernann, M., & Winter, M. Stoffwechseluntersuchungen bei Ernährung mit sauren Milchemischungen. Arch. Kinderh., 1929-30, 89: 290-302.—Passeau, G. Sur l'emploi du lait sec acidifié chez le nourrisson malade. Rev. fr. pédiat., 1938, 14: 614-26.—Boegner, E. Sur l'alimentation des nourrissons malades avec un lait acidifié, sec, entier. Bull. Soc.

pédiat. Paris, 1937, 35: 73-81.—**Pilling, H.** Untersuchungen über den Stoffwechsel bei Ernährung mit gesäuertem Vollmilch. Arch. Kinderh., 1937, 110: 193-212.—**Popowa, A.** Die Anwendung der abgerahmten sauren Milch im Säuglingsalter. Mschr. Kinderh., 1926, 32: 521-9.—**Posthuma, J. H., & Haas, J. H. de.** [Results of distribution of lactic acid milk to infants of the consultation bureau of Batavia.] Geneesk. tschr. Ned. Indië, 1940, 80: 888-901.—**Puig, I., & Ravizoli, A.** Algunos casos sobre el empleo de la leche ácida hipergrasosa en la alimentación infantil. Sem. méd., B. Air., 1936, 43: pt 1, 1395-400.—**Reiss, O.** Lemon juice evaporated milk in infant feeding. Arch. Pediat., N. Y., 1932, 49: 170-4.—**Rösch, H.** Ueber die Magenverdauung von Milch und Peginmilch. Arch. Verdauungskr., 1930, 48: 180-203.—**Rohmer, P., & Chapelo, R.** Les indications du lait acidifié. Bull. Soc. pédiat. Paris, 1936, 34: 470-5.—**L'alimentation du nourrisson par les laits acides.** Rev. fr. pédiat., 1936, 12: 621-33.—**Rothey, K. B.** Is the benefit of lactic acid milk in infant feeding due to the bactericidal action of the lactic acid? J. Pediat., S. Louis, 1935, 7: 60-4.—**Rupe, W. A.** Infant feeding with acidified milks. J. Oklahoma M. Ass., 1927, 20: 171-4.—**Saitz, C.** [Kefir in the diet of infants.] Cas. lék. česk., 1929, 68: 1135-40.—**[Acidified milk in infant feeding]** Ibid., 1205-11.—**Saldun, M. L.** Le lait éréme, acidifié avec l'acide lactique. Arch. méd. enf., 1931, 34: 341-61.—**Sandler, R.** Die zitronensäure Vollmilch als Dauer- und Heilnahrung bei Kindern im ersten Jahr. Harefuah, Tel Aviv, 1937, 12: No. 6, p. ii.—**Schwartz, A. B.** The use of lactic acid milk in infant feeding. Am. J. Nurs., 1926, 26: 927-32.—**Seel, H.** Experimentelle Untersuchungen über das Sauermilchpräparat Sayo. Zschr. Fleisch. Milchhyg., 1929-30, 40: 294-7.—**Siwe, S. A.** The influence of citric acid milk on the percentage of Ca and inorganic P in serum. Acta paediat., Upps., 1939, 28: 460-4.—**Smith, A. D.** Lactic acid milk. Pacific Coast J. Homoeop., 1929, 40: 180.—**Smith-Bunge, E.** La elección del alimento acidificado para el lactante. Día méd., B. Air., 1939, 11: 180.—**Smyth, F. S., & Hurwitz, S.** Buffered lactic acid evaporated milk in infant feeding. J. Am. M. Ass., 1935, 105: 789-92.—**Starsetzki, I.** Pelargon (milchsaure Zweidrittelmilch) in den ersten Lebensmonaten. Kinderärztl. Prax., 1941, 12: 135-8.—**Stephen, J. A., & Walker, E. R. C.** Lactic acid milk as a routine infant food. Lancet, Lond., 1927, 2: 63-5.—**Stürimann, F.** Erfahrungen mit Milchsäure-Trockenvollmilch. Schweiz. med. Wschr., 1935, 65: 393.—**Swiss, E. C.** A note on the benefits of lactic acid milk in infant feeding. Mat. & Child Welf., Lond., 1927, 11: 215-8.—**Thatcher, L.** Acidified milk for infant feeding. Edinburgh M. J., 1930, 37: 37-49.—**Thomas, E.** Milchsäure-Magermilcheinbrenne. Arch. Kinderh., 1934, 103: 96.—**Velazo Blanco, L., Fuks, D., & Lauers, R.** Leches ácidas y acidificadas. Sem. méd., B. Air., 1937, 44: pt 1, 835-40.—**Vogt, H.** Die Bedeutung gesäuertem Milch für die künstliche Ernährung des Säuglings. Med. Welt, 1929, 3: 441-3.—**Weissenberg, H.** Zitronensäurevollmilch, eine neue Nahrung für kranke und gesunde Säuglinge. Arch. Kinderh., 1926, 78: 276-301.—**Ueber Zitrotubin-Nährzucker, das Präparat zur Herstellung der Zitronensäure-Vollmilch, einer neuen Heil- und Dauernahrung für Säuglinge.** Fortsch. Med., 1927, 45: 100; 137.—**Zavadskaja, S. A.** [Kefir in the diet of the newborn.] Vopr. materin., 1940, No. 7, 12-6.—**Zhorn, I. F.** [Kefir as food for small children.] Pediatría, Moskva, 1938, No. 2, 114.—**Ziesch, H.** Erfahrungen mit Milchsäuremilch nach Schiff-Mosse. Jahrb. Kinderh., 1926, 3. F., 64: 216-20.

Milk, sweetened.

MAZIOL, G. *De l'emploi du lait condensé sucré pur comme complément de la ration alimentaire du nourrisson élevé au sein. 70p. 8°. Par., 1929.

Babonneix, L. Coupage et sucrage du lait destiné à l'allaitement artificiel. Gaz. hôp., 1934, 107: 1120.—**Bessau, G.** Ernährungsversuche mit kohlehydratangereicherter Vollmilch. Mschr. Kinderh., 1929, 42: 28-32.—**Dentan.** Un procédé de dosage du lait concentré sucré dans les biberons. Nourrisson, 1936, 24: 343-6.—**Harrison, H. E.** The retentions of nitrogen, calcium, and phosphorus of infants fed sweetened condensed milk. J. Pediat., S. Louis, 1936, 8: 415-9.—**Lassablière.** Mode d'emploi et coupage du lait condensé chez les nourrissons sains et malades. J. sc. méd. Lille, 1920, 38: pt 2, 164.—**Le lait concentré non sucré considéré au point de vue de l'hygiène sociale.** Nourrisson, 1938, 26: 78-94.—**Le Lorier.** De l'emploi du lait condensé sucré pur comme complément de l'allaitement au sein. Bull. Soc. pédiat. Paris, 1927, 25: 167-72.—**Lesné, Turpin, & Dreyfus-Sée.** Le pouvoir antiscorbutique du lait condensé sucré de vieille préparation. Méd. inf., Par., 1926, 32: 210.—**Marfan, A. B., & Blechmann, G.** A propos de l'emploi du lait concentré sucré. Nourrisson, 1935, 23: 99.—**Marriott, W. McK., & Jeans, P. C.** Feeding the normal infant with whole sweet milk mixtures. In their Inf. Nutr., 3. ed., S. Louis, 1941, 188-97.—**Nitulescu-Bologă, V.** [Sweetened milk in the alimentation of infants.] Cluj. med., 1929, 10: 296.—**Olevsky, M. I.** [Use of whole milk with 10% of sugar in the feeding of infants.] Vrach. delo, 1929, 12: 1285-9.—**Report on the composition and dietetic value of Nestlé's full cream sweetened condensed milk.** J. State M., Lond., 1927, 35: 474-85.—**Rudaux, P.** Le lait condensé sucré dans l'alimentation artificielle; ses dilutions et ses doses. Presse méd., 1935,

43: 753-5.—**Schoedel, J.** Erfahrungen mit kohlehydratangereicherter Vollmilch nach Bessau. Mschr. Kinderh., 1931, 49: 17-23.—**Teillens, J.** Le lait condensé sucré dans l'alimentation des nourrissons bien portants et malades. Arch. méd. enf., 1935, 38: 737-50.

Milk supply.

WENDRINER, C. *Die Milchversorgung der Berliner Säuglinge. 25p. 8°. Berl., 1932.

Bayley Bustamante, G. Las preparadoras de las cocinas de leche de los dispensarios de lactantes. Prensa méd. argent., 1936, 23: 216.—**Biedert.** Ueber Marktmilch 1. Klasse und andere Versuche einer guten Milchversorgung der Städte, insbesondere für Säuglinge. Strassb. med. Ztg., 1905, 2: 253-9.—**Bortagaray, M. H.** Organización de los servicios de provisión de leche materna en los dispensarios, banco de leche materna. Sem. méd., B. Air., 1942, 49: pt 2, 451 (Abstr.).—**Cook, A. M., & Cowie, D. M.** Rural city milk supplies: their relation to infant feeding: home modification versus laboratory feeding. J. Michigan M. Soc., 1906, 5: 415-28. Also Physician & Surgeon, 1906, 28: 289-302.—**Decherf, E.** Influence de l'alimentation des vaches par les résidus industriels fermentés sur le lait destiné aux nourrissons. C. rend. Congr. internat. méd., 1910, 16. Congr., Sect. 10, Pediat., 302-15.—**Ewart, W.** The milk-supply for infants: recent aspects and possibilities. Lancet, Lond., 1908, 2: 1742.—**Fortescue-Brickdale, J. M.** The influence of milk supply on infant mortality. J. R. San. Inst., 1906, 27: 413-21.—**Herber.** Le lait des vaches marocaines et les Gouttes de lait. Bull. Soc. pédiat. Paris, 1919, 17: 126-38.—**Hoffa, T.** Der Wiederaufbau der Milchversorgung. Zschr. Säuglingsschutz, 1921, 13: 179-87.—**Kerr, J. W.** The relation of the Medical Milk Commission to the establishment and conduct of infant milk depots. Proc. Annual Conf. Am. Ass. M. Milk. Com., 1909, 3: 88-93.—**Knox, J. H. M.** The claims of the baby in the discussion of the milk question. Charities, N. Y., 1906, 16: 492-5.—**Moreno, R. T.** Las dificultades del abasto de leche en algunas regiones del país y sus relaciones con la asistencia infantil. Bol. san., B. Air., 1940, 4: 467-73.—**Ostertag, R.** Kontrolle der Gewinnung und des Verkehrs mit Säuglingsmilch. Zschr. Fleisch. Milchhyg., 1912-13, 23: 1; 25; 49; passim.—**Poetter.** Die Milchversorgung der Städte mit besonderer Berücksichtigung der Säuglingsernährung. Mbl. off. Gesundhpf., 1906, 19: 158-61. Also Münch. med. Wschr., 1906, 53: 1985. Also Dent. Vjschr. off. Gesundhpf., 1907, 39: 32-70.—**Raimondi, R.** Le régime alimentaire des vaches fournissant du lait destiné aux nourrissons. Presse méd., 1916, 24: annexes, 369-71.—**Römer.** Ueber die Versorgung der Grossstädte mit Säuglingsmilch. Münch. med. Wschr., 1906; 53: 1235.—**Rotch, T. M.** The development of milk laboratories in regard to what food stuffs they can provide, and their relation to the principles of infant feeding. Tr. N. Hampshire M. Soc., 1909, 195-211.—**Variot, G.** Présentation des notes de M. le docteur Herber et du professeur Lavialle sur le lait des vaches marocaines et sur la Goutte de lait de Rabat. Bull. Soc. pédiat. Paris, 1919, 17: 125.

mixed.

Aaron, E. Beitrag zur Frage der natürlichen Begrenzung der Lactation beim Menschen. Zschr. Kinderh., 1926, 42: 39-50.—**Drake, T. G. H.** Introduction of solid foods into the diets of children. Canad. M. Ass. J., 1938, 39: 578-80.—**Guassardo, G.** Importanza dei rapporti quantitativi fra i componenti l'alimento; ricerche su una miscela alimentare per lattanti. Riv. clin. pediat., 1928, 26: 649-65.—**Lages Netto.** Aleitamento misto; alimentação após o primeiro semestre. Rev. med. Bahia, 1941, 9: 237-47.—**Lanc, D. E., & Bosshardt, F. H.** Nutrition of children on a mixed and on a vegetable diet. Am. J. Dis. Child., 1930, 40: 285-97.—**Mackay, H.** Diet for weaning. Practitioner, Lond., 1942, 149: 57.—**Martínez Vargas.** Mi metodo de lactancia mixta simultánea. Med. niños, 1921, 22: 65-9.—**Michalowicz, M.** Les indications générales pour le choix des mélanges nutritifs des nourrissons. Tr. sc. Clin. inf. Univ. Varsovie, 1930, 337-52.—**Monypenny, D.** Early introduction of solid foods in the infant diet. Am. J. Dis. Child., 1939, 58: 1144. Also Canad. M. Ass. J., 1940, 42: 137-40.—**Muñoz, A. A. de, & Gentile, M. A.** Duración de la alimentación natural y mixta. Sem. méd., B. Air., 1938, 45: pt 1, 655-8.—**Renaud, M.** Principes de diététique et alimentation variée chez le nourrisson. Rev. crit. path., Par., 1930, 2: 241-64.—**Variot.** L'allaitement mixte. Progr. méd., Par., 1927, 42: 311-4.—**Watkins, A. G.** Diet in health and disease; weaning and mixed feeding. Practitioner, Lond., 1939, 142: 655-63.—**Wearing and mixed feeding.** In Diet in Health & Dis. (H. D. Rolleston, et al.) Lond., 1939, 297-98.

normal.

Beumer, H. Wie soll der gesunde Säugling ernährt werden? Zschr. ärztl. Fortbild., 1938, 35: 700-2.—**Bosenbury, C. S.** Feeding the normal baby. J. Indiana M. Ass., 1934, 27: 291-3.—**Boyd, J. D.** Nutrition of the normal infant. J. Pediat., S. Louis, 1934, 4: 263-75.—**Brusa, P.** Direttive dietetiche per l'alimentazione del bambino normale. Atti Conv. lombardo aliment. pop., 1938, 1. Conv., rep. No. 2, 3-11.—**Catel, W.** Entwicklung und Ernährung des gesunden Säuglings. In his Pflege gesund. & krank. Kind., Lpz., 1939, 243-70.—**Clausen, S. W.** The feeding of normal children. In Fundam. Nutr. (Hawley & Mast) Springfield, 1940, 216-24.—**Guggeri, E.** Ali-

mentación artificial de la primera infancia; examen crítico de la alimentación del primer año; niños normales. *Dia. méd. urug.*, 1939-40, 7: 225-9.—**Jeans, P. C.** The feeding of healthy infants and children. *J. Am. M. Ass.*, 1942, 120: 913-21.—**Lapointe, D.** L'alimentation de l'enfant sain. *Nat. Health Rev.*, Ottawa, 1941, 9: 7-10.—**McAiley, R. G.** Feeding the normal infant. *J. M. Ass. Georgia*, 1926, 15: 378-83.—**McDougal, L. L., jr.** Feeding a normal infant. *Mississippi Doctor*, 1939-40, 17: 437-42.—**Marriott, W. McK., & Jeans, P. C.** The diet of the normal infant. In their *Inf. Nutr.*, 3. ed., S. Louis, 1941, 222-33.—**Meyer zu Hörste, G.** Zur Ernährung des gesunden Säuglings; zur Ernährung an der Mutterbrust. *Med. Klin. Berl.*, 1941, 37: 25-7.—**Reuss, A.** Physiologie des Früh- und Neugeborenen und des Säuglings, natürliche Ernährung. *M Schr. Kinderh.*, 1938, 72: 402-28.—**Ritter, J.** Die Ernährung des gesunden Säuglings. *Wien. med. Wschr.*, 1934, 84: 1319-22.—**Tallerman, K. H.** Infant feeding; the feeding of normal infants and children. In *Brit. Encycl. M. Pract.* (Rolleston H.) Lond., 1938, 7: 136-72.—**Travis, J. M.** Feeding the well baby. *Tristate M. J.*, 1934-35, 7: 1499.—**Witkin, M.** Some practical points in the feeding of healthy infants. *Arch. Pediat.*, N. Y., 1939, 56: 452-7.

Physiology.

Freudenberg, E. *Physiologie und Pathologie der Verdauung im Säuglingsalter.* 201p. Berl., 1929.

Bruchsalser, S. Hat die Korrelation der Nährstoffe einen Einfluss auf die Magenverweildauer? *Zschr. Kinderh.*, 1926, 42: 381-6.—**Budde, O.** Ueber Tryptaseausscheidung im Säuglingsstuhl. *M Schr. Kinderh.*, 1928, 38: 112-4.—**Untersuchungen zur Verdauungsphysiologie des Säuglings. *Zschr. Kinderh.*, 1928, 46: 195-209; 1930-31, 50: 482-95.—**Der Magensaft des gesunden Säuglings. *Kinderärztl. Prax.*, 1931, 2: 367-70.—**Freudenberg, E.** Der Verdauungsvorgang bei natürlicher und künstlicher Ernährung des Säuglings. *Wüzb. Abh. Med.*, 1923, 21: 77-93.—**Neue Untersuchungen zur Verdauungsphysiologie des Säuglings. *Sitzber. Ges. Naturwiss. Marburg*, 1927, 62: 178-87.—**Untersuchungen zur Verdauungsphysiologie des Säuglings. *M Schr. Kinderh.*, 1928, 38: 101-8. Also *Zschr. Kinderh.*, 1928, 46: 164-9.—**Wittich, H.** Untersuchungen zur Verdauungsphysiologie des Säuglings; Jejunalsondierung. *Ibid.*, 1931-32, 52: 696-715.—**Garrahan, J. P.** Nociones básicas sobre digestión y metabolismo en el lactante. *Sem. méd. B. Air.*, 1924, 31: 763-72.—**Klemm, R.** Vergleich der Ernährungserscheinungen während der drei ersten Lebenswochen natürlicher genährter Neugeborener einiger Säugerarten mit Erscheinungen der Fortpflanzung dieser Arten. *Verh. Ges. deut. Naturforsch.* (1907) 1908, Teil, 2. Heft., 467-71.—**Müller, F.** Untersuchungen über den Duodenalinhalt beim Säugling. *Zschr. Kinderh.*, 1927, 43: 371-9.—**Physiology of digestion in nurslings. *J. Am. M. Ass.*, 1941, 116: 429.—**Richards, T. W.** The relationship between bodily and gastric activity of newborn infants; correlation and influence of time since feeding. *Human Biol.*, 1936, 8: 368-80.—**Ruotsalainen, A.** Ueber die Resorption und Retention des Hühneres (Stickstoff, Phosphor, Schwefel usw.) bei Säuglingen. *Zschr. Kinderh.*, 1928, 46: 370-83.—**Scheer, K., & Müller, F.** Zur Physiologie und Pathologie der Verdauung beim Säugling; über den Gärungsverlauf im Darm. *Jahrb. Kinderh.*, 1923, 3. F., 52: 93-111.—**Schemann, E.** Untersuchungen zur Verdauungsphysiologie des Säuglings; zur Magenverdauung. *Zschr. Kinderh.*, 1928, 46: 210-28.—**Suñer, E.** Resumen de la digestión normal en el niño de pecho. *Siglo méd.*, 1920, 67: 1-4.**********

Prescription.

Alzaga, S. de. Indice turgor; su aplicación en la determinación de la ración alimenticia de 2ª infancia. *Prensa méd. argent.*, 1937, 24: 2451-4.—**Babonneix, L.** Calcul de la ration alimentaire du nourrisson. *Gaz. hôp.*, 1935, 108: 388.—**Brehme, T.** Ausführbare Ernährungsvorschriften für die Säuglingspraxis. *Kinderärztl. Prax.*, 1933, 4: 474-8.—**Camescasse, J.** Sur le poids d'un repas. *Arch. méd. enf.*, 1921, 24: 747-52.—**Göttche, O.** [Quantity of feeding in alimentation of infants] *Budapesti orv. ujs.*, 1926, 24: 757-62.—**Harrison, G. A., & Thursfield, H.** Notes on measures in infant feeding. *Arch. Dis. Childh.*, Lond., 1926, 1: 58-62.—**Lassablière, P.** Procédés cliniques de fixation de la ration chez le nourrisson. *J. diét.*, Par., 1912, 3: 32-6.—**Mackay, H. M. M.** The calculation and prescribing of infants' feeds; after the neonatal period; the use of standard mixtures. *Brit. M. J.*, 1941, 1: 841-5.—**The calculation and prescribing of infants' feeds; the neonatal period; practical points in the regulation of feeds in maternity hospitals and homes. *Ibid.*, 1941, 1: 888-91.—**Marriott, W. McK.** The simplicity of infant feeding. *J. Am. Diet. Ass.*, 1928-29, 4: 1-8.—**Martinez Vargas.** Crítica de los métodos modernos de dosificación de la ración alimenticia del lactante. *Med. niños*, 1933, 34: 171-6.—**Michalowicz.** Les indications générales pour le choix des mélanges nutritifs des nourrissons. *Rev. fr. pédiat.*, 1928, 4: 607-22.—**Moak, H.** Why bottle babies should be prescription fed; an argument for the pediatrician. *Certif. Milk*, 1934, 9: 5.—**Oxenius, K.** Wann soll ein Säugling hungern, wann nicht? *Münch. med. Wschr.*, 1937, 84: 1401-7.—**Suñer, E.** Dosificación alimenticia en el lactante. *Progr. clín.*, Madr., 1927, 35: 241-3.**

Principles.

Alarcón, A. G. Fundamentos fisiológicos de la alimentación infantil. *Rev. méd. Yucatán*, 1938-40, 20: 159-66.—**Aráoz Alfaro, G.** Los principios racionales de la alimentación del niño; conferencia dada en la Asociación obstétrica nacional. *Rev. obst.*, B. Air., 1904, 2: 177; 233.—**Bendix, B.** Richtlinien für die Ernährung des Säuglings. *Med. Welt*, 1928, 2: 607; 649.—**Blatt, M. L.** Essentials of successful infant feeding. *Mississippi Valley M. J.*, 1941, 63: 147-50.—**Dattner, A.** The more recent viewpoints in infant feeding. *Tr. Luzerne Co. M. Soc.* (1925) 1926, 25: 271-7.—**Francotte, M., & Dienst, G.** Etat des connaissances en physiologie de la digestion et de la nutrition du nourrisson en vue de fixer les bases de l'alimentation. *Méd. inf.*, Par., 1930, 37: 353-77. Also *J. méd. Paris*, 1931, 51: 73-8.—**Garot, L.** Etat actuel de nos connaissances sur la physiologie de la nutrition et de la digestion du nourrisson; bases de son alimentation. *Ligée méd.*, 1930, 23: 929; 965.—**Gerstley, J. R.** Infant nutrition: back to first principles. *Med. Clin. N. America*, 1934, 17: 1607-21.—**Infant nutrition: some principles for infants and adults.** *Illinois M. J.*, 1934, 66: 280-3.—**Grulee, C. G.** Fundamentals of infant feeding. *Ibid.*, 288-92.—**Hamilton, C. K. J.** Addresses to health visitors; the principles of artificial feeding in infancy. *Mat. & Child Welf.*, Lond., 1933, 17: 55-7.—**Happ, W. M.** Common sense in infant feeding. *J. Pediat.*, S. Louis, 1933, 3: 772-4.—**Hess, J. H.** Essentials in nutrition as related to an infant and child health preservation program. *Illinois Health Mess.*, 1934, 6: 31-5.—**Iancu, A.** [Our conception of alimentation of infants] *Cluj. med.*, 1930, 11: 599-606.—**Jones, E. C.** The elements of infant feeding. *Guy's Hosp. Gaz.*, Lond., 1937, 51: 30-2.—**Kerley, C. G.** General principles governing my infant feeding problem. *Arch. Pediat.*, N. Y., 1926, 43: 478-81.—**Kuhn, R.** Prinzipien der Säuglingsernährung für den Praktiker. *Aerztl. Rdsch.*, 1929, 39: 86.—**Lancaster, F. H.** Some principles of infant feeding. *Med. Rec.*, Houston, 1939, 33: 175-9.—**Lereboullet, P.** Les bases de l'alimentation dans la première année. *Progr. méd.*, Par., 1937, 1291-6.—**Lynch, H. D.** Fundamentals of infant feeding. *J. Indiana M. Ass.*, 1934, 27: 571-4.—**Moll, L.** Praktische Richtlinien für die Säuglingsernährung. *Med. Welt*, 1929, 3: 1477-80.—**Mouriquand, G.** L'équilibre alimentaire et les bases de l'alimentation des collectivités infantiles. *Atti Congr. pediat. ital.*, 1931, 14. Congr., pt 2, 815-21.—**Müller, E.** Grundsätzliche Fragen zur Ernährung des Kindes. *Klin. Wschr.*, 1927, 6: 1313-7.—**Methodisches zur Ernährung des jungen, gesunden Säuglings. *Arch. Kinderh.*, 1939, 117: 68-71.—**Myers, B.** Some important points in infant feeding. *Med. Press & Circ.*, Lond., 1931, 132: 361-4. Also *Postgrad. M. J.*, Lond., 1931, 6: 1-5.—**The essentials of nutrition in infants and toddlers.** *J. R. Inst. Pub. Health*, 1937-38, 1: 736-52.—**Potter, P. S.** Basic feeding principles. *Arch. Pediat.*, N. Y., 1928, 45: 708-18.—**Sankaran, G.** Physiological bases of infant nutrition. *Ind. J. Pediat.*, 1941, 8: 1-20.—**Stettner, E.** Die Grundlinien der Säuglingsernährung. *Deut. med. Wschr.*, 1930, 56: 1247; 1303.—**Storms, L. B.** The relationship of some of the recent research to infant feeding. *Med. Woman J.*, 1934, 41: 128-42.—**Ullmann.** Angewandte Kolloidlehre in der Säuglingsernährung. *Arch. Kinderh.*, 1936, 109: 84-9.—**Walker, A. A.** Common sense and infant feeding. *South. M. J.*, 1926, 19: 860-5.—**Wilkerson, A.** Infant feeding; principles and problems in general practice. *J. M. Ass. Alabama*, 1941-42, 11: 297.**

Problems.

Elert, R. *Ein Beitrag zum Ernährungsproblem des Neugeborenen. 40p. 2 tab. 8°. Berl., 1934.

Geiser, J. *Beitrag zur Neugeborenenernährung [Zürich] 24p. 8°. Sempach-Station, 1930.

Vermorel, M. C. *Le problème de l'alimentation sans lait dans la première enfance. 92p. 8°. Par., 1930.

Barton, E. A. Some difficulties of infant nutrition. *Practitioner*, Lond., 1930, 125: 36-41.—**Bennett, J. T.** Common feeding difficulties in pediatric practice. *Southwest. M.*, 1939, 23: 257-60.—**Bergamini, M.** L'alimentazione del secondo anno di vita possiede caratteristiche meritevoli di essere studiate e contemplate a se? *Lattante*, 1939, 10: 275-301.—**Brown, A.** Some nutritional problems of the neonatal period. *J. Kansas M. Soc.*, 1942, 43: 369-74.—**Fischl, R.** Das Problem der Säuglingsernährung. *Med. Welt*, 1930, 4: 1055; 1093.—**Freire, G.** O problema alimentar no lactente. *Brasil med.*, 1940, 54: 494.—**Hamburger, R.** Strittige Fragen aus der Säuglingsernährung. *M Schr. Kinderh.*, 1926, 34: 461-6.—**Hill, N.** Some problems of infant feeding. *Med. Press & Circ.*, Lond., 1939, 202: 307-9.—**Horton, A. L.** Some rural problems in infant feeding. *Med. Times, N. Y.*, 1928, 56: 231.—**Kerley, C. G.** Difficult infant feeding cases. *Med. Clin. N. America*, 1935, 19: 785-9.—**Kornfeld, W.** Ueber Ernährungsschwierigkeiten beim Kleinkinde. *Wien. klin. Wschr.*, 1929, 42: 938. Also *Wien. med. Wschr.*, 1929, 79: 969; 1001.—**Langstein, L.** Algunas cuestiones relativas a la alimentación de los niños sanos y enfermos en la segunda infancia. *An. cienc. méd.*, Madr., 1912, 3. ser., 6: 38-67.—**Zur Ernährungsfrage im Säuglingsalter.** *Gesundhfsr. Kindesalt.*, 1925-26, 1: 420-7.—**Lott, G. M.** Feeding problems. *Hygeia, Chic.*, 1942, 20:

384-7. Also News Lett. Suffolk Co. M. Soc., 1942, 20: 81-5.—**McCarthy, D.** Children's feeding problems in relation to the food aversions in the family. *Child Develop.*, 1935, 6: 277-84.—**Nutritional** problems in infancy; lecture to East Hertfordshire Division of the B. M. A. Brit. M. J., 1939, 1: Suppl., 214.—**Prabhu, M. B.** Nutritional problem in infancy. *J. Ind. M. Ass.*, 1937-38, 7: 539-42.—**Renner, J. H.** Treatment of feeding problems by homeopathic remedies. *Pacific Coast J. Homeop.*, 1933, 44: 502-5.—**Reuss, A.** Ernährungsfragen im Säuglings- und Kleinkindesalter. *Wien. klin. Wschr.*, 1931, 44: 14-8. Einige aktuelle Fragen der Säuglingsernährung. *Aerzt. Prax.*, Wien, 1937, 11: 207-11.—**Robertson, G. E.** Feeding problems in infancy. *J. Lancet*, 1937, 57: 444-8.—**Scales, H. L., jr.** Feeding problems in infancy. *Mississippi Doctor*, 1940-41, 18: 342-4.—**Sheldon, W.** Problem in infant feeding. *Practitioner*, Lond., 1941, 147: 728.—**Stolte, K.** Ernährung schwer ernährbarer Säuglinge. *Jahrb. Kinderh.*, 1926, 3. F., 64: 133-41.—**Tyson, R. M.** Problems in infant feeding. *Med. Clin. N. America*, 1937, 21: 1153-66.—**Vogt, H.** Umstrittene Fragen der Säuglingsernährung. *Deut. med. Wschr.*, 1937, 63: 1543-5.—**Von Meysenbug, L.** Feeding during the first year, with reference to some of its problems. *Arch. Pediat.*, N. Y., 1927, 44: 215-21. Infant feeding with special reference to some of its problems during the first year. *Texas J. M.*, 1932, 28: 543-7.

Psychological aspect.

Garland, J. The hunger strike in infants. *Child Health Bull.*, 1929, 5: 111-8.—**Gesell, A.** The psychological hygiene of infant feeding. *Ment. Hyg. Abh.*, 1938, 22: 216-20.—**Kantrow, R. W.** Studies in infant behavior; an investigation of conditioned feeding responses and concomitant adaptive behavior in young infants. *Univ. Iowa Stud.*, 1937, 13: 1-64.—**Langford, W. S.** The psychological aspects of feeding in early childhood. *J. Am. Diet. Ass.*, 1941, 17: 208-16.—**Panzer, F.** Graphic presentation of the infant's desire for food. *Internat. Congr. Nurs.*, Genève, 1927, 2: 95-7, ch.—**Rogerson, B. C. F.** & **Rogerson, C. H.** Feeding in infancy and subsequent psychological difficulties. *J. Ment. Sc.*, Lond., 1939, 85: 1163-82.—**Sibek, J.** [Indifference to feeding in the new-born during the first days following birth, and physiological and excessive loss of weight; causes and prevention] *Cas. lék. česk.*, 1941, 80: 205-12.

Standards and tables.

PIRQUET, C. *Pelidisi-Tafel*. 4p. 8°. Wien, 1921.

Abbott, C. E. The feeding schedule during the first year. *J. M. Ass. Alabama*, 1939-40, 9: 180-3.—**Babonneix, L.** Quelques procédés mnémotechniques concernant l'alimentation du nourrisson. *Gaz. hôp.*, 1937, 110: 782-4.—**Bell, G. H.**, & **Paterson, A. C.** A nomogram for use in infant feeding. *Arch. Dis. Childh.*, Lond., 1930, 5: 369, ch.—**Billo, C.** Tabelle dietetiche in alcune comunità infantili del Veneto. *Atti Congr. pediat. ital.*, 1931, 14. Congr., pt 2, 860-5.—**Börjes, E.** Gegen die Budinsche Zahl. *Med. Klin.*, Berl., 1940, 36: 979 (microfilm).—**Botelho, T.** Tipo de ração alimentar para crianças. *Educ. fis.*, Rio, 1941, No. 55, 29.—**Castelli, I.**, & **Castellano, G.** Vari metodi per la determinazione della razione alimentare nelle comunità infantili. *Atti Congr. pediat. ital.*, 1931, 14. Congr., pt 2, 868-74.—**Cuevas G., F.** Regimenes alimenticios para los niños sanos de 0 a 30 meses (primera infancia) *Rev. méd. Bogotá*, 1933-34, 43: 381-401.—**De Toni, G.** Proposta di una tabella per l'alimentazione del lattante. *Atti Congr. pediat. ital.*, 1931, 14. Congr., pt 2, 848-51. Una nuova tabella per l'alimentazione del lattante. *Riv. clin. pediat.*, 1932, 30: 993, ch.—**Fernández Marchante, R.** Sugestiones para la construcción de una formula artificial para la alimentación infantil. *Bol. As. méd. Puerto Rico*, 1941, 33: 298-301.—**Geldrich, J.** Säuglingsernährungsschema. *Med. Klin.*, Berl., 1940, 36: 720 (Abstr.) (microfilm).—**Henderson, H. H. F.** [Rations and menus of healthy and inexpensive foods] *Mscr. kindergeneesk.*, 1935, 4: 164-6.—**Huber, J.** Les régimes des nourrissons. *Rev. crit. path.*, Par., 1932, 165-80.—**Koeppel, H.** Die Wertbemessung der Nahrung speziell bei der Säuglingsernährung. *Aerzt. Prakt.*, 1931-32, 2: 113-5.—**Kugelmass, I. N.** Infant feeding; individualized vs. routine. *Am. J. Digest. Dis.*, 1937-38, 4: 240-5.—**Langstein, L.** Ueber die Ernährung des Säuglings lege artis. *Mscr. Kinderh.*, 1927, 37: 365-83. Also *Münch. med. Wschr.*, 1927, 74: 2004; 2059.—**Lereboullet, P.** Les règles actuelles de l'alimentation dans les 6 premiers mois de la vie. *Progr. méd.*, Par., 1937, 1419-24. Les règles de l'alimentation du nourrisson de 6 à 12 mois. *Ibid.*, 1605-9.—**Lesné, E.** Règles générales et bases physiologiques de l'alimentation de la première enfance. *Presse méd.*, 1935, 43: 1873. Quelques bases et règles de l'alimentation du nourrisson après 6 mois. *J. méd. Paris*, 1936, 56: 500-4. Also *Méd. inf.*, Par., 1936, 43: 109-26.—**Lukács, J.**, & **Ebel, A.** Rechentafel zur Säuglingsernährung. *Med. Klin.*, Berl., 1928, 24: 1121.—**Makhlina, M. S.** [What and when to feed infants] *Feldsher*, Moskva, 1939, No. 5, 21.—**Renaud, M.** Régimes officiels et autres pour les nourrissons. *Rev. crit. path.*, Par., 1935-37, 5: 379-95.—**Sauer, L.** A simple, inexpensive stock formula for young infants. *J. Pediat.*, S. Louis, 1932, 1: 194-202.—**Siegl, J.** Diätetik im Säuglingsalter. *Wien. klin. Wschr.*, 1939, 52: 1117-22.—**Stadtmüller, E. S.** Schedule for feeding

the baby. *Week. Bull. California Dep. Pub. Health*, 1935, 14: 101.—**Teed, R. W.** A new infant feeding chart. *Am. J. Dis. Child.*, 1930-31, 40: 504.—**Tow, A.** Simplified infant feeding, a 4 feeding schedule. *Arch. Pediat.*, N. Y., 1934, 51: 49-54.—**Wagner, R.** Welche Regeln gelten für die Ernährung des Neugeborenen? *Wien. klin. Wschr.*, 1933, 46: 1207.

Systems and methods.

DOUGLAS, M. Simplified methods of infant and child feeding, with full dietary and numerous recipes for children up to 2 years of age, based on Truby King principles. 112p. 12°. Melb. [1935?]

PATERSON, D., & SMITH, J. F. Modern methods of feeding in infancy and childhood. 2. ed. 149p. 8°. Lond. [1929]

Accordini, G. Allattamento naturale, innaturale e misto. *Lattante*, 1937, 8: 168-71.—**Barbour, O.** Newer methods of infants feeding. *Bol. Soc. cubana pediat.*, 1938, 10: 122-6.—**Bircher, M. E.** Rohkost in der Säuglingsernährung. *Münch. med. Wschr.*, 1930, 77: 19.—**Camerer, W.** Rohkost in der Säuglingsernährung. *Ibid.*, 1928, 75: 1410-3.—**Córdoba, J.** Sistema dietético gradual del profesor Súñer (consideraciones sobre su importancia) *Arch. españ. pediat.*, 1931, 15: 536-43.—**Daglia, G.** Proposta di una modificazione alla miscela alimentare B. *Pediatrica (Riv.)*, 1938, 46: 515-28.—**Deutsch, E.** Die vereinfachte Diätetik der Säuglinge. *Med. Welt*, 1928, 2: 66.—**Dwyer, H. L.** Concentrated feedings in infancy. *J. Missouri M. Ass.*, 1926, 23: 403-5.—**Fitzgerald, E.** Modern infant feeding. *N. Zealand M. J.*, 1935, 34: 388-95.—**Giraud, P.** Que fait-il penser des régimes actuellement adoptés pour l'alimentation des enfants du premier âge? *Presse méd.*, 1937, 45: 1-3.—**Goldbloom, A.** Special feeding methods for infants. *Canad. M. Ass. J.*, 1930, 23: 807-10.—**Goldman, T. H.** Feeding the newborn high protein, low fat, low carbohydrate mixtures; a comparative, clinical 2 year study. *Arch. Pediat.*, N. Y., 1942, 59: 756-9.—**Hidden, J. H.** A simple method for infant feeding: well adapted to the rural districts. *Virginia M. Month.*, 1936-37, 63: 375.—**Hoffmann-Mendelewa, J.** Das Ernährungssystem der Kinder im Alter von 9 Monaten bis zu 2 Jahren. *Jahrb. Kinderh.*, 1928-29, 3. F., 72: 221-41.—**Jungwirth, G.** Erfahrungen mit Fettbreiernahrung. *Mscr. Kinderh.*, 1928, 38: 500-6.—**Lummiss, C. P.** Simplified infant feeding in health and disease. *J. M. Soc. N. Jersey*, 1929, 26: 38-45.—**McGee, W. A.** Suggestions for simplifying infant feeding. *Am. Med.*, 1928, 23: 864-7.—**McIlwaine, W. B.** Some new methods of infant feeding. *Virginia M. Month.*, 1927-28, 54: 489-92.—**Ochsenius, K.** Ueber Eiweissmilch-Buttermehlnahrung. *Zschr. Kinderh.*, 1925-26, 40: 422. [Erwiderung von H. Pogorschelsky] 424.—**Park, J. H., jr.** Resume of present methods of infant feeding. *West. M. Rev.*, 1928, 33: 907-17.—**Parrish, P. L.** A present-day conception of infant feeding. *Med. Times, N. Y.*, 1936, 64: 207-12.—**Pirquet, C.** Vereinfachte Säuglingsernährung. *Wien. med. Wschr.*, 1926, 76: 1434.—**Rowe, O. W.** Simplified infant feeding. *Minnesota M.*, 1932, 15: 707.—**Sagalevich-Margolina, M. M.** [Methods of child feeding during the first 6 months; breast- and bottle-feeding] *Pediatrica, Moskva*, 1939, No. 5, 77-86.—**Scobey, R. R.** A practical method in infant feeding. *Arch. Pediat.*, N. Y., 1930, 47: 355-68.—**Smith, C. A.** Present-day methods of feeding infants. *Med. Clin. N. America*, 1941, 25: 1435-49.—**Speransky, G. N.** [Methods of rational alimentacion of infants] *Tr. Vsesou. sezd. detsk. vrach.* (1927) 1929, 4: 89-107.—**Vogt, H.** Saure Säuglingsnahrung. *Deut. med. Wschr.*, 1926, 52: 478.—**Waring, A. J.** Sectional feeding. *South. M. J.*, 1923, 16: 841-7.—**Wright, H. P.**, & **Geddes, A. K.** A simple method of artificial feeding in infancy. *Canad. M. Ass. J.*, 1930, 23: 537-9.—**Wyman, E. T.** Modern tendencies in infant feeding. *Maine M. J.*, 1932, 23: 204.

Systems and methods: Pirquet system.

NOBEL, E. Principles of Professor Pirquet's system of nutrition. 15p. 8°. Lpz., 1921.

PIRQUET VON CSENATICO, C. P. An outline of the Pirquet system of nutrition. 96p. 8°. Phila., 1922.

SCHICK, B. Das Pirquetsche System der Ernährung für Aerzte und gebildete Laien dargestellt. 2. Aufl. 49p. 8°. Berl., 1919.

Apfel, H. The feeding method of the von Pirquet School. *Long Island M. J.*, 1922, 16: 45-50.—**Babonneix, L.** Le NEM-system dans l'alimentation du nourrisson. *Gaz. hôp.*, 1935, 108: 285.—**Birnberg, T. L.** The NEM system of feeding. *Minnesota M.*, 1923, 6: 579-85.—**Blythe, B.** The care of undernourished children as followed by Dr Clements Pirquet in Vienna, Austria. *Indianapolis M. J.*, 1921, 24: 271-5.—**Bortagaray, M. H.** El NEM sistema del profesor von Pirquet. *Sem. méd.*, B. Air., 1922, 29: pt 2, 229-36.—**Bottelli, U.** Il sistema alimentare di Pirquet. *Osp. maggiore, Milano*, 1922, 3. ser., 10: 21-8.—**Carter, W. E.** The Pirquet system of nutrition and its applicability to American conditions. *J. Am. M. Ass.*, 1921, 77: 1541-6; 1911.—**Coulter, H. M.** Origin and application of the Pirquet NEM system of child feeding, under

the Hoover Relief Administration in Austria. California J. M., 1923, 26: 62-4.—**Dattner, A.** Principles of Pirquet's system of nutrition. Tr. Luzerne Co. M. Soc. (1924) 1926, 24: 21-6.—**Eyzaguirre, R.** El NEM de von Pirquet en la confección de la ración alimenticia. Crón. méd., Lima, 1922, 39: 234-42.—**Faber, H. K.** A critique of the Pirquet feeding system; with special reference to its underlying principles. Am. J. Dis. Child., 1923, 25: 339-49.—**Fisher, C. F.** Principles of the Pirquet method of feeding. Med. Rec., N. Y., 1921, 100: 1023-5.—**Ghisolani, S. P.** Le système de nutrition de Pirquet; l'alimentation des enfants. Ann. Inst. chir. Bruxelles, 1928, 29: 181-9.—**Golin, A.** Il metodo del Pirquet nell'alimentazione dei bambini convalescenti. Atti Congr. pediat. ital., 1931, 14. Congr., pt 2, 865-8.—**Herz, R.** Pelidisi and Sacratama in Czechoslovakia. Am. Med., 1921, n. ser., 16: 655-7.—**Hjärne, U.** Einige Beobachtungen betreffend Körperlänge, Körpergewicht und Ernährungszustand; mit besonderer Berücksichtigung eines von Pirquet vorgeschlagenen objektiven Masses des Ernährungszustandes. Acta paediat., Upps., 1921, 1: 324-36.—**Leitkep, A. O.** Pirquet's system of nutrition as related to the nursing care. Trained Nurse, 1925, 74: 363-7.—**Meirelles, E.** O NEM von Pirquet na alimentação infantil. Tribuna med., Rio, 1922, 28: 241; 253.—**Newman, S.** A new system of dietetics in the light of European experience with the problem of nutrition. Virginia M. Month., 1923-24, 50: 583-7.—**Nobel, E.** Einige Betrachtungen betreffend Körperlänge, Körpergewicht und Ernährungszustand; mit besonderer Berücksichtigung eines von Pirquet vorgeschlagenen objektiven Masses des Ernährungszustandes; Entgegnung auf den gleichnamigen Artikel von Urban Hjärne, in fasc. 3, Vol. I, dieser Zeitschrift. Acta paediat., Upps., 1921-22, 1: 449-51.—Das Pirquet'sche Ernährungssystem. Wien. med. Wschr., 1930, 80: 1611-5. Also Aerzt. Prax., Wien, 1931, 5: 359-61.—**Olaran Chans, A.** El NEM de Pirquet y su sistema de alimentación. Arch. lat. amer. pediat., B. Air., 1923, 2, ser., 17: 359-74.—**Patey, G.** Le NEM-système, son principe, son application à l'alimentation des nourrissons. Arch. méd. enf., 1931, 34: 645-55, 2 ch.—**Pirquet, C.** Ernährungstherapie des Kleinkindes. Wien. med. Wschr., 1927, 77: 987.—**Söderström, H.** [Results of Pirquet's researches in children] Fin. læk. säll. hand., 1924, 66: 879-90.—**Weymouth, F. W.** The Pirquet system of nutrition and its applicability to American conditions. J. Am. M. Ass., 1921, 77: 2080.

— Technique.

GREIG-SMITH, R. The bottle-feeding of infants. 100p. 12° Sydney, 1917.

MARCUS, O. *Indications et technique du gavage des nourrissons. 67p. 8° Par., 1934.

Ainsworth, M. L. Helpful tricks in infant feeding. Proc. Postcoll. Clin. Assemb. Coll. M. Ohio Univ., 1939, 6: 276.—**Bentivoglio, G. C.** Comment on peut administrer aux nourrissons même très petits le lait de vache très faiblement dilué. Nourrisson, 1931, 19: 22-39.—**Borrino, A.** Tecnica di alimentazione del neonato senza madre. Pediat. med. prat., Tor., 1935, 10: 478-94. Particolari di tecnica dell'allattamento artificiale (somministrazione del latte colla tazza) Lattante, 1937, 8: 267-72.—**C. G.** Allattamento per mezzo di una nutrice, e per mezzo di un animale. Filiale sebezio, Nap., 1837, 14: 105-9.—**Cattaneo, C.** Direttive pratiche e serene nell'alimentazione artificiale del lattante. Nipologia, Nap., 1928, 14: 173-6.—**Exchaquet, L.** Quelques résultats des divers modes d'allaitement. Bull. Soc. pédiat. Paris, 1937, 35: 620-7.—**Hamburger, F.** Ueber die natürliche Technik der Kinderernährung. Aerzt. Prax., Wien, 1937, 11: 245-8.—**Hamburger, R.** Rektale Zufuhr von Milch beim Säugling. Jahrb. Kinderh., 1933, 3. F., 89: 64-73.—**Jaschke, R. T.** Neue Erfahrungen in der Technik der Ernährung sowie zur Physiologie und Pflege des Neugeborenen. Mschr. Geburtsh. Gyn., 1912, 35: 60-75.—**Jordan, I. M.** Essential principles of infant feeding technic. Am. J. Nurs., 1935, 35: 925-31.—**McKee, J. H.** Little things in successful infant feeding. Ther. Gaz., Det., 1926, 3, ser., 42: 841-4.—**Marcus, J. H.** Helpful suggestions on infant feeding. J. M. Soc. N. Jersey, 1926, 23: 261-3.—**Myers, B.** Practical points on modern infant feeding. Practitioner, Lond., 1932, 128: 425-36.—**Noel, M. B.** How to give baby his bottle. Health, Mount. View, 1942, 9: No. 7, 16.—**Raphael, I. J.** Practical points in infant feeding. J. Indiana M. Ass., 1931, 24: 258-61.—**Salen, A. K.** Hints on infant feeding. Am. J. Nurs., 1940, 40: 649.—**Scott, G. D.** The psychic value of music and color in infant and child nutrition. Med. J. & Rec., 1931, 133: 161; 216; 266; 329.—**Summers, C. B.** Infant feeding; some practical suggestions. J. Missouri M. Ass., 1933, 35: 449.

— Therapeutic use.

BRON, A. *Le rôle du lait calcique dans l'alimentation du nourrisson malade [Genève] 30p. 24cm. Par., 1938.

JACOB, A. *Ernährung kranker Säuglinge im ersten Lebensquartal mit Buttermilch. 27p. 8° Göt., 1920.

LATASTE, M. A. M. *Le régime des nourrissons débiles. 127p. 8° Par., 1932.

OLIVEIRA LIMA, O. DE. *O caseinato de calcio na dieto-therapia do lactente. 73p. 8° S. Paulo, 1928.

PÉHU, M., & BERTOYE, P. L'alimentation du nourrisson malade. 207p. 12° Par., 1935.

Ariztia, A. La alimentación del lactante en diferentes estados patológicos originados dentro o fuera del tubo digestivo. Clin. lab., Zaragoza, 1928, 12: 30-46.—**Brüning, H.** Krankheitsbereitschaften und Säuglingsernährung. Zschr. ärztl. Fortbild., 1927, 24: 241-6.—**Cameron, H. C.** A discussion on therapeutic modification of the diet in infancy. Brit. M. J., 1927, 2: 1171-4.—**Carrillo Gil, A.** Conceptos sobre la nutrición de los niños enfermos. Rev. méd. Yucatán, 1938-40, 20: 245-60.—**Davison, W. C.** Enzymic therapy in infant feeding. J. Pediat., S. Louis, 1942, 21: 727-32.—**Gautier, P., & Bron, A.** De l'emploi du lait calcique chez le nourrisson malade. J. méd. Paris, 1938, 58: 705.—**Graham, H. B.** The feeding of sick babies. Med. J. Australia, 1940, 1: 278.—**Herz, O.** Heilnahrungen im Säuglingsalter. Med. Welt, 1927, 1: 798-801.—**Infant feeding and infections.** Med. Off., Lond., 1935, 54: 201.—**Jáuregui, M. A.** Consideraciones sobre dietética infantil hospitalaria. Arch. argent. pediat., 1936, 7: 128.—**Letondal, P.** Thérapeutique du nourrisson. Union méd. Canada, 1942, 71: 855; 974.—**Macein.** Leches vegetales en dietoterapia infantil. Méd. ibera, 1935, 29: pt 1, 415.—**Marfan, A. B.** Le régime alimentaire dans certaines maladies de la première enfance. Rev. gén. clin. théor., 1930, 44: 641-5.—**Mazzeo, A.** Sull'alimentazione del bambino ammalato. Pediatris (Riv.) 1932, 40: 726-30.—**Neff, F. C.** The modern dietary of the infant. In Ther. Infancy (Litchfield, H. R., et al.) Phila., 1942, 1: 452-93.—**Rominger, E.** Repetitorium der diätetischen Behandlung kranker Säuglinge. Deut. med. Wschr., 1927, 53: 963; passim.—**Stein, A. C.** Considerações sobre alimentação e criança doente. Pediat. prat., S. Paulo, 1931-32, 4: 94-8.—**Sweet, C.** Essential points in the dietetic management of infants. Arch. Pediat., N. Y., 1928, 45: 740-3.

— in wartime.

Out of the mouths of babes [question in Parliament] Lancet, Lond., 1941, 2: 712.—**Stürnimann, F.** Die Kohlenhydrate in der Säuglingsernährung der Notzeit. Schweiz. med. Wschr., 1942, 72: 962.—**Woolton.** Feeding of infants in wartime. Brit. M. J., 1942, 2: 50.—**Wyllie, W. G.** Some points in infant feeding in wartime. Med. Press & Circ., Lond., 1941, 206: 208-10.

INFANTRY.

See Army; Marching; Military service; Recruit; Soldier, etc.

INFANTRY journal. Wash., v.23, 1923—

See also Soldier's (The) handbook. 2. ed. 247p. 15cm. N. Y., 1941.

INFANT weight chart, one ounce scale, for daily records. 8° Lond., H. K. Lewis & co. [19—]

INFANT welfare.

See also Child, Adoption; Child, foster; Welfare; Child welfare; Foundling; Maternity; Orphan, etc.

ELBERTON, E. M. On the relative value of the factors which influence infant welfare. 307p. 31cm. Lond., 1928.

GREGORY, H. H. C. Infant welfare for the student and practitioner. 144p. 8° Lond., 1926.

LIDDIARD, M. British Red Cross Society infant welfare manual No. 9. 5. ed. 158p. 14cm. Lond., 1940.

Alarco, G. Algunos temas de protección al lactante. Crón. méd., Lima, 1941, 58: 3-9.—**Aróez Alfaro, G.** El concepto integral de la protección de la infancia. Sem. méd., B. Air., 1933, 40: pt 1, 2027-32.—**Bennett, V. E. M.** The importance of infant welfare in war time. Med. Press & Circ., Lond., 1942, 207: 381-3.—**Borobio, P.** Nipiolozia, nipiiohigene, nipiociologia. Arch. españ. pediat., 1929, 13: 28.—**Carstens, J. H. G.** [Protection of infants] Groene & witte kruis, 1936, 32: 31-40.—**Carter, P. J.** After the child is born. Mod. Hosp., 1940, 54: No. 5, 80-2.—**Dealey, W. L.** Infant welfare. Pedagog. Semin., Worcester, 1919, 26: 109-42.—**Defensa de la infancia,** motivo fundamental de la medicina social y objetivo de las nuevas horas que vivirá el mundo. Reforma méd., Lima, 1942, 28: 245-7.—**Elderton, E. M.** On the relative value of the factors which influence infant welfare. Ann. Eugen., Camb., 1926-27, 2: 266; 1927-28, 3: 96.—**Falk, I. S.** Does infant welfare work operate to preserve the unfit? Am. J. Pub. Health, 1927, 17: 142-7. Also Med. Off., Lond., 1927, 37: 119-21.—

Garber, J. R. Maternal and infant welfare. J. M. Ass. Alabama, 1937-38, 7: 128.—**González, F. L. F.** Paidoflaxia o preservación de la infancia. Proc. Am. Sc. Congr. (1940) 1942, 8. Congr., 6: 435. Also Eugenesia, Méx., 1942, 3: No. 30, 4-7.—**Graves, G. W.** Up through the first year of life. Pennsylvania Health, 1940-41, 1: No. 12, 15-9.—**How much does he weigh?** Nurs. Times, Lond., 1939, 35: 1408.—**Lassablière, P.** Enquête médico-sociale sur 4,966 nourrissons de un mois à un an. Bull. Acad. méd., Par., 1939, 3. ser., 121: 456-64.—**Martínez Vargas, R.** El hogar infantil. Med. niños, 1926, 27: 193.—**Mercurio, R.** Le basi biopsichiche dell'assistenza al neonato a al lattante. Pediatria (Riv.), 1935, 43: 461-5.—**Molina, W. F.** Lactante y servicio social. Crón. méd., Lima, 1937, 54: 503-7.—**Morquio, L.** Asistencia a primera infancia. Rev. gin. obst., Rio, 1920, 14: 353-8 (Abstr.).—**Sobre asistencia de lactantes.** Arch. pediat. Uruguay, 1935, 6: 302-24.—**Newman, G.** The mother and her infant. In his Building Nat. Health, Lond., 1939, 281-321.—**Problemi assistenziali della maternità e dell'infanzia.** Arte ostet., 1938, 52: 85-7.—**Reuss, A.** Wünschenswertes auf dem Gebiete der Säuglingsfürsorge. Wien. med. Wschr., 1938, 88: 285-9.—**Rott, F.** Zur Frage der Fürsorgebedürftigkeit im Säuglingsalter. Gesundhfs., Kindesalt., 1926, 2: 33-7.—**Salomone Allievi, R., & Aguilar Giraldez, D.** Consideraciones que sugiere la asistencia a los recién nacidos en las maternidades. An. Soc. puericult. B. Aires, 1939, 5: 5-15.—**Sobel, J.** Antenatal and neonatal protection of the infant. Arch. Pediat., N. Y., 1926, 43: 448-65.—**Strina, F.** A proposito di una nuova forma di pauperismo infantile. Lattante, 1934, 5: 290.—**Weill-Hallé, B.** Hygiène sociale du nourrisson. Sem. hôp. Paris, 1928, 4: 539-45.

Congresses and conferences.

Castorina, G. La mostra nazionale dell'assistenza all'infanzia. Med. inf., Roma, 1937, 8: 374-80.—**Conference on maternity and child welfare.** Brit. M. J., 1937, 1: 1217.—**Congrès (10.) international pour la protection de l'enfance** (Paris, July 1933) Presse méd., 1933, 41: 1268-70.—**Congrès (11.) international de la protection de l'enfance** (Bruxelles, 1935) Paris méd., 1935, 97: annexe, 215; 223.—**Congreso (12.) de la Asociación internacional para la protección de la infancia;** Paris, 19-22 de Julio de 1937. Arch. pediat. Uruguay, 137, 8: 715-7.—**Congreso (10.) internacional de protección a la infancia y a la maternidad,** Madrid, 1926. Med. niños, 1926, 27: 97-121.—**Dumont, A.** Congrès international des goutes de lait. Rev. méd., Louvain, 1905, n. ser., 2: 321-4.—**Huber, J.** Congrès (10.) international pour la protection de l'enfance, Paris, 4-9 juillet 1933. Gaz. hôp., 1933, 106: 1289-93.—**Maternity (The) and child welfare conference.** Med. Off., 1934, 52: 41.—**Moncorvo.** Segundo Congreso de las gotas de leche, celebrado en Bruselas (Septiembre de 1907) Med. niños, 1908, 9: 161-6.—**Morquio, L.** Segundo congreso de gotas de leche y protección a la primera infancia. Arch. lat. amer. pediat., B. Air., 1907, 3: 352-39.—**Congreso internacional de protección a la infancia.** Bol. Inst. protecc. inf., Montev., 1933-34, 7: 135-68.—**National conference on maternity and child welfare.** Lancet, Lond., 1935, 2: 39; 152.—**Potter, P. S.** Observations from well baby conferences. Arch. Pediat., N. Y., 1930, 47: 784-9.—**Rouéche, H.** Le Congrès international pour la protection de l'enfance; Paris, 4-9 juillet 1933. J. méd. Paris, 1933, 53: 707-11.—**Schreiber, G.** Les journées de la Maternité et de l'Enfance. Presse méd., 1937, 45: 1183.—**Session (11^{ème}) de l'Association internationale pour la protection de l'enfance.** Méd. inf., Par., 1935, 42: 294-304.—**Variot, G.** III^e Congrès international des goutes de lait (Paris 1900) Arch. lat. amer. pediat., B. Air., 1907, 3: 383-5.

History.

CAULFIELD, E. The infant welfare movement in the 18th century. 203p. 8°. N. Y., 1931.
MCCLEARY, G. F. The early history of the infant welfare movement. 176p. 8° Lond., 1933.
SCHLIEBEN, E. Mutterschaft und Gesellschaft; Beiträge zur Geschichte des Mutter- und Säuglingsschutzes. 284p. 8° Osterwieck [1927]
Caulfield, E. The infant welfare movement in the 18. century. Ann. M. Hist., 1930, n. ser., 2: 480; 660.—**Freudenberg, K.** Säuglingsfürsorge und Statistik. Arch. sozial. Hyg., 1928, n. F., 3: 25-31.—**Kahn, W.** Pflege und Hygiene des Säuglings im deutschen Mittelalter. Kinderärztl. Prax., 1932, 3: 321-6.—**Macneill, N.** Infant welfare as taught in Philadelphia 100 years ago. Ann. M. Hist., 1936, 8: 36-43.—**Mazzini, G.** Maternità e infanzia nel Perù degli Incas. Rass. clin. ter., 1938, 37: Suppl., 28-33.—**Schlieben, E.** Säuglingsheime im 18. Jahrhundert. Fortsch. Gesundhfs., 1930, 4: 366-9.—**Schopohl, H.** Säuglingssterblichkeit und Säuglingsfürsorge in Preussen während der letzten 25 Jahre. Gesundhfs., Kindesalt., 1925-26, 1: 411-20.—**Simonini, R.** La biologia e l'assistenza del neonato e lattante negli scrittori del medio-evo. Pediat. prat., Mod., 1932, 9: 271.—**Assistenza alla maternità ed all'infanzia in Modena durante il medio-evo (dalla casa di Dio al Brefotrofo)** Ibid., 1933, 10: 244-55.—**Tidey, S.** Some notes on medieval Italian provisions for infant welfare. Med. Press & Circ., Lond., 1930, 130: 535-8.

Institutes and organization.

See also Infant nutrition, Institutes; Nursery, etc.

GELLER [née Novic] A. *L'asile des mères à Marseille, oeuvre d'assistance à la mère et à l'enfant. 47p. 24cm. Marseille, 1934.

KORTMANN, K. *Die Erholungs- und Heilfürsorge für Kinder und Mütter in der Provinz Westfalen. 29p. 8° Münster [1934]

PFEFFER, B. *Fonctionnement de la consultation de nourrissons annexée à la maternité de l'Hôpital Saint-Antoine, 1934. 32p. 8° Par., 1935.

ROUX-DESSARPS, A. *La protection de la mère et de l'enfant et les assurances sociales. 71p. 8° Par., 1933.

SCHULTE, J. Ueber die geschlossene Säuglingsfürsorge der Stadt Münster unter besonderer Berücksichtigung des Säuglingsheims. 24p. 8° Münster [1933]

WEITPERT, K. Die Münchener Säuglingsfürsorge-Einrichtungen. 2. Aufl. 30p. 8° Münch. [1914]

Acuña, M. El lactario como institución médico-social de previsión. Sem. méd., B. Air., 1934, 41: pt 2, 1913-7.—**Armand Deille, P. F.** Puériculture et chambre d'allaitement boxée et surveillée. Bull. méd., Par., 1927, 41: 853.—**Aubrun.** Le problème de la protection de l'enfance; les chambres d'allaitement. Paris méd., 1929, 72: annexe, 512-5.—**Balard, P.** La Maison du Bébé; œuvre de solidarité sociale. J. méd. Bordeaux, 1928, 58: 333-43.—**Benzing, R.** Praktische Gegenwartsmaßnahmen in der Fürsorge für Mutter und Kind durch das staatliche Gesundheitsamt. Off. Gesundheitsdienst, 1937-38, 3: 282-97.—**Bolt, R. A.** Maternal, infant, and child hygiene. In Admin. Med. (Emerson, H.) N. Y., 1941, 583-604.—**Bosco, L.** Consultorio per lattanti Adolfo Arduino in Moncalieri (1930-35) Pediat. med. prat., Tor., 1936, 11: 206-12.—**Boyd, W. M.** Crèches. Brit. M. J., 1941, 1: 30.—**Brugière, R.** La rationalisation des services de l'enfance en regard des mesures pour le renforcement de la natalité et des réalisations en faveur des pupilles de la nation. Rev. hyg. méd. social, Par., 1939, 18: 205-17.—**Carreno, C.** Los dispensarios de lactantes. Rev. espec., B. Air., 1928, 3: 882-93.—**Carvalho.** La protección a la infancia con la cooperación de la Caja del seguro social. Reforma méd., Lima, 1941, 27: 679.—**Childs, A. B.** The Infant Welfare Society of Chicago. Med. Woman J., 1936, 43: 177-80.—**Clifford, M. L.** Safeguarding the health of children in day care centers. Connecticut Health Bull., 1942, 56: 191-3.—**Cozzolino, O.** Per la funzione dei consultori profilattici per bambini dell'Opera nazionale protezione maternità ed infanzia. Lattante, 1933, 4: 156-61.—**Creación de nuevos dispensarios y gotas de leche en Lima y algunas provincias.** Reforma méd., Lima, 1942, 28: 159.—**Danner, F.** Die derzeitige Erfassung der Freiburger Säuglinge durch die Mütterberatungsstellen. Off. Gesundheitsdienst, 1940-41, 6: B, 501-11.—**Departamento nacional da criança.** Impr. med., Rio, 1941, 17: No. 333, 121.—**Deutsch, N.** Public health nursing services in the national program with special emphasis on the better care of Negro mothers and babies. Trained Nurse, 1939, 102: 124-8.—**Earp, J. R.** Correlation of infant salvage with nursing effort. Am. J. Pub. Health, 1927, 17: 557-9.—**Fabry, S. L.** L'œuvre nationale italienne pour la protection de la maternité et de l'enfance. Nourrisson, 1936, 24: 347-58.—**Favre-Dollfus, M.** La Pouponnière de l'Ermitage. Ann. hyg., Par., 1926, n. ser., 4: 575-81.—**Feliciano, O.** A Gota de leite é uma instituição particular e uma grande obra de assistência social. Mem. Congr. med. (Brazil) 1936, 1. Congr., 401-50, 19 pl.—**Fernández Marchante, R.** Infant and pre-school hygiene clinics in the public health units. Puerto Rico Health Bull., 1942, 6: 286-91.—**Filippi, F. de.** La familia en la protección a la infancia. Arch. argent. pediat., 1942, 17: 87.—**French, W. J.** Place of maternal and child health services in a generalized program in a health unit. Am. J. Pub. Health, 1941, 31: 465-70.—**Gaifami, P.** I consultori dell'Opera nazionale maternità ed infanzia. Clin. ostet., 1933, 35: 175-80. Also Irakhs Couvers, & lez. ostet. gin., Roma, 1933, 521-5.—**Gallo, C.** Il Centro assistenziale della maternità e infanzia di Matera nel primo anno del suo funzionamento. Pediat. med. prat., Tor., 1936, 11: 84-90.—**George, R.** Antenatal clinics in England and France. Pub. Health J., Toronto, 1927, 18: 210-5.—**Grüneisen, F.** Die Mitwirkung des Roten Kreuzes bei der Durchführung der Säuglingsfürsorge. Gesundhfs., Kindesalt., 1925-26, 1: 383-9.—**Hagen.** Werbung zur Erfassung der fürsorgebedürftigen Säuglinge und die Aerzteschaft. Ibid., 1926, 2: 38-54.—**Hart, A. P.** The value of organized supervision in the care of children as exemplified by results at the Infants Home, Toronto. Tr. Canad. Soc. Stud. Dis. Child., 1926, 4: 67-71. Also Canad. M. Ass. J., 1926, 16: 1498.—**Health services for mothers and children in wartime.** J. M. Ass. Alabama, 1942-43, 12: 93.—**Hoffmann.** Das Institut für Mutter- und Kinderschutz in Leningrad. Mschr. Kinderh., 1928, 38: 167-75.

Ueber Mütterberatungsstunden für Säuglinge und Kleinkinder als wertvollste staatliche Fürsorgeeinrichtung. Oeff. Gesundheitsdienst, 1937-38, 3: B, 331; 364.—**Ichok, G.** La protection de l'allaitement maternel dans l'industrie. Méd. inf., Par., 1927, 33: 226-34.—**Instruction au Gouverneur Général**, du 18 janvier 1934, sur l'organisation des services de la protection maternelle et infantile. Bull. Off. internat. hyg. pub., Par., 1934, 26: 799-815.—**Isberg, H.** [Development of social infant-welfare and the work of the new infant-welfare organization] Sven. läk. tidn., 1926, 23: 873-81.—**Lasnet.** Organisation des services de la protection maternelle et infantile en Algérie. Rev. hyg. méd. prév., Par., 1935, 57: 6-29.—**Letellier, G.** La chambre d'allaitement d'un grand magasin à Paris. Ann. hyg. Par., 1926, n. ser., 4: 471-81.—**Levi, M. F.** [Twenty years of activity of the organization for protection of motherhood and infants] Kush. gin., 1937, No. 11, 5-18.—**McKown, A.** The social security program for children; maternal and child health services. Child. Wash., 1936, 1: No. 1, 5-10.—**Maddux, W. H.** The Slossfield Health Center, an example of local medical service for mothers and children under public health auspices. Am. J. Pub. Health, 1941, 31: 481-6, illust.—**Mamerto Acuña.** Acción médico-social del servicio de lactantes del Instituto de Pediatría y Puericultura del Hospital de Clínicas. Sem. méd., B. Air., 1935, 42: 918.—**Marriner, J. L.** State maternity and infancy hygiene work. Nation's Health, Chic., 1927, 9: No. 5, 27; 70.—**Medical and hospital obstetric and pediatric care for wives and infants of men in military service.** Nebraska M. J., 1942, 27: 388-91.—**Mettel, H. B.** Organization of child-health conferences, prenatal clinics and home-delivery-nursing services in Indiana. Child. Wash., 1942, 6: 269.—**Misch, P.** Die Entlastung des Krankenhauses durch Säuglingsfürsorgestellen und Säuglingskrippen. Klin. Wschr., 1926, 5: 1527-9.—**Moll, L.** Zehn Jahre Reichsanstalt für Mutter- und Säuglingsfürsorge. Mschr. Kinderh., 1926, 32: 387-99, pl.—**Die Reichsanstalt für Mutter- und Säuglingsfürsorge in Wien als Säuglingskrankenhaus.** Wien. med. Wschr., 1931, 81: 778-80.—**Mookherji, B.** Organisation of maternity and child welfare services [Bengal] Bengal Pub. Health Rep. (1940) 1942, 115-7.—**Morales Beltrami, G.** Proyecto de Organización de la protección a la infancia en Chile. Rev. chilena pediat., 1941, 12: 663-80.—**Mountain, J. W., & Flook, E.** Distribution of health services in the structure of state government; maternity-child-health activities by state agencies. Pub. Health Rep., Wash., 1942, 57: 1791-821.—**Mütter- und Säuglingsberatungsstellen.** Reichsgesundhbl., 1935, 10: 292; 1937, 12: 353. Also Oeff. Gesundheitsdienst, 1937-38, 3: A, 363.—**Murtagh, J. J.** El Servicio social del dispensario de lactantes. Sem. méd., B. Air., 1936, 43: pt 1, 848-51.—**Orkney, J. M.** The functions of a central maternal and child health department. Ind. M. Gaz., 1942, 77: 546-8.—**Oropeza, P.** Centros de alimentación infantil en Venezuela. Bol. Min. san., Caracas, 1939, 4: No. 5, 97-100.—**Las casas cunas en Venezuela.** Ibid., 101-13.—**Pacheco, M., & Cazzano, M. L.** Trabajo de asistencia social en el Dispensario de lactantes numero nueve. An. Soc. puericult., B. Aires, 1939, 5: 51-4.—**Palacios Costa, N., & Escardo, F.** Organización del servicio de puericultura en Maternidad Samuel Gache del Hospital Rawson. Actas Congr. nac. med., Rosario, 1934, 5: pt 4, 1293-303.—**Pigot, La** défense sanitaire de la mère et de l'enfant par les assurances sociales. Paris méd., 1933, 88: annexe, 254-60.—**Plan for medical and hospital obstetric and pediatric care for wives and infants of men in military service.** Month. Bull. Maryland Dep. Health, 1942-43, 14: 90.—**Revoltella, G.** Sffollamento in guerra della città e organizzazione dell'assistenza materna ed infantile. Clin. ostet., 1939, 41: 148-53.—**Robert de Roméu, M.** Bureau of Maternal and Infant Hygiene. Puerto Rico Health Bull., 1942, 6: 270-4.—**Roux-Dessars, A.** La protection de la mère et de l'enfant et les assurances sociales. Méd. inf., Par., 1933, 40: 370-5.—**San Bartolome, J. A.** El consultorio maternológico base de la asistencia del niño. Crón. méd., Lima, 1935, 52: 441-5.—**Sánchez, J.** La protección a la primera infancia: cantinas maternales. Arch. lat. amer. pediat., B. Air., 1921, 2. ser., 15: 217-21.—**Sellheim, H., & Rott, F.** System einer Geburts- und Neugeborenenfürsorge. Arch. sozial. Hyg., 1930, 5: 475-89.—**Simpson, J. V. A.** Various aspects of the public health services; infant welfare. Med. Press & Circ., Lond., 1937, 194: 544-6.—**Sominsky, R.** Quelques principes d'éducation et les résultats obtenus à la maison de nourrissons. Arch. méd. enf., 1936, 39: 349-53.—**Sordo Noriega, A.** Necesidad de establecer servicios ginecológicos para embarazadas en el Centro de higiene infantil y manera de organizarlos. Tr. Panamer. M. Congr. (1931) 1933, 3. Congr. 246-54.—**Suñer, E.** Organización del empleo de guarda lactantes y su uniformación internacional. Arch. med., Madr., 1926, 23: 49-52.—**Thomas, E.** Das städtische Mütter- und Säuglingshaus zu Duisburg (Keetmanstiftung) Zschr. ges. Krankenhaueswes., 1928, 24: 325-8.—**Säuglingsschutz in Entbindungsanstalten.** Ibid., 1936, 518.—**Säuglingsschutz in Anstalten.** Mschr. Kinderh., 1937, 68: 412-36.—**Tobias, J. W., & Bettinotti, S. I.** Organización de lactarios en las capitales de provincias, departamentos y territorios nacionales; obra social de protección a la infancia a través de la unidad familiar. Rev. med., B. Air., 1940, 2: 61-70.—**Tropeano, G.** La funzione di un brefotrofo ai nostri tempi. Med. sociale, Nap., 1932, 22: No. 4, 5-11.—**Tugendreich, G.** Fünfundzwanzig Jahre Berliner Säuglingsfürsorgestellen. Gesundhfsr. Kindesalt., 1930, 5: 89-98.—**Wildabar, D.** Maternal and child care instituties. Month. Bull. Bd Health Indiana, 1940, 43: 149; 159.

Instruction.

See also Infant, Care; Infant nutrition, Instruction.

[GREAT BRITAIN] NATIONAL ASSOCIATION FOR THE PREVENTION OF INFANT MORTALITY. Mothercraft; a selection from courses of lectures on infant care. 6. ed. 376p. 12° Lond., 1931.

Damianovich, J., & Sánchez, J. Instrucción y educación del personal no médico de los servicios de primera infancia. Sem. méd., B. Air., 1935, 42: pt 2, 1958.—**Frankenstein, C., & Zerwer, A.** Der Unterricht in der staatlich anerkannten Säuglingspflegeschule des Kaiserin Auguste Victoria Hauses, Charlottenburg. Gesundhfsr. Kindesalt., 1925-26, 1: 369-82.—**Helbich.** Zur Frage des Säuglingspflegunterrichts in den Mädchenschulen. Zschr. Schulgesundh., 1926, 39: 385-90.—**Larcomb, J. W.** Instructions to mothers on infant care. Ohio M. J., 1938, 34: 1009-11.—**Liefmann, E.** Der Säuglingspflegunterricht für die weibliche Jugend. Gesundhfsr. Kindesalt., 1926, 2: 79-86.—**Mütterschulung** des Reichsmütterdienstes im Deutschen Frauenwerk. Reichsgesundhbl., 1935, 10: 239.—**Nissim, L.** [Importance of universal obstetrical lectures in the realization of maternal-infantile protection and assistance] România med., 1939, 17: 225.—**Rosenhaupt, H.** Säuglingspflege als Lehrgegenstand in den Unterrichtsanstalten für die weibliche Jugend. Zschr. Säuglingsschutz, 1915, 7: 356; 421; 480; 563.—**Schoedel, J.** Die Ausbildungszeit der staatlich anerkannten Säuglingspflegerinnen. Gesundhfsr. Kindesalt., 1925-26, 1: 606-14.—**Unit course in infant hygiene.** Rep. Wisconsin Bd Health, 1933-34, 35: 87-9.—**Winkler.** Entwurf zur Einführung von Schülerinnekursen für Säuglingspflege. Zschr. Schulgesundh., 1927, 40: 330.

Legislation.

SENTEX, J. *De la protection des enfants du premier âge (décrets-lois d'octobre 1935) 111p. 24½cm. Toulouse, 1937.

Aguerrevere, L., & Murzi, J. Necesidad y urgencia de una ley de protección a la madre y al niño en Venezuela; contribución al estudio de la misma. Bol. Min. san. Venezuela, 1937-38, 2: 1436-49.—**Altmann Smythe, J.** Cómo la ley chilena de seguro social protege al binomio madre-hijo. Crón. méd., Lima, 1937, 54: 325-35.—**Burga Larrea, C.** Protección legal del lactante, hijo de mujer que trabaja. Ibid., 361-7.—**Código del niño.** Rev. hig., Bogotá, 1934, 15: 264-317.—**Decreto** que ordena girar al Hogar Cristiano de Puntarenas la subvención dada a la clínica infantil de la misma ciudad. In Leyes (Costa Rica) S. José, 1935, 175.—**Decreto** que crea en el presupuesto de la cartera de protección social, una partida mensual de \$15,000.00 para que el Patronato nacional de la infancia auxilie con leche a los niños pobres de la República. Ibid., 182.—**Decreto** que reglamenta la ley que auxilia con leche a los niños pobres. Ibid., 184.—**Drake, T. G. H.** Infant welfare laws in France in the 18. century. Ann. M. Hist., 1935, 7: 49-61.—**Hayes, C. E.** Maternal and child health services under the Social Security Act. West Virginia M. J., 1939, 35: 164-8.—**Ichok, G.** Legal protection of maternal nursing in French factories. J. R. San. Inst., 1927-28, 48: 11-3.—**Instructions** for carrying out the statute of March 31st, 1937 in combating diseases among children during the first year of life] Ugeskr. laeger, 1938, 100: 142-52.—**Lenroot, K. F.** Maternal and child welfare under the social security program. Bull. Am. M. Ass., 1936, 31: 180-3.—**La protección de la maternidad y de la infancia en las obras del seguro social.** Bol. Of. san. panamer., 1937, 16: 308-16.—**Grants to States for maternal and child-welfare services under title V, pts 1, 2, and 3 of the Social Security Act, administered by the Children's Bureau in relation to services for children of migrants.** In Hearings Nat. Defense Migr. U. S. Congr. H. Repr., 1941, 77. Congr., 1. sess., pt 17, 6984-7.—**McNeile, L. G.** Maternal and child welfare: its progress under the Social Security Act. California West. M., 1937, 47: 240-3.—**Maternal and child health work under the Social Security Act.** J. Missouri M. Ass., 1936, 33: 159.—**Maternal and child welfare services under the Social Security Act.** Publ. Health Nurs., 1937, 29: 429-32.—**Monge, L. G.** La madre y el lactante en la ley peruana de seguro social. Crón. méd., Lima, 1937, 54: 407-14.—**Olarán Chans, A.** Comentarios sobre la ley 12,341 y la organización de la dirección de maternidad e infancia. Bol. san., B. Air., 1937, 1: 505-20.—**Comentarios sobre la ley 12,341, por la cual se crea la Protección nacional a la maternidad y a la infancia en la República Argentina.** Bol. Inst. protecc. inf., Montev., 1937-38, 11: 5-28.—**Rouéche, H.** Lois sociales et protection maternelle et infantile. Méd. inf., Par., 1937, 44: 51-60. Also J. méd. Paris, 1937, 57: 273.—**Solano, S.** La madre y el lactante en el nuevo Código civil del Perú. Crón. méd., Lima, 1939, 56: 135-8.—**Stadtmüller, E.** Social Security Act: in relation to maternal and child health. California West. M., 1930, 47: 301-7.—**Teleky, L.** Die Arbeit ausserhäuslich erwerbstätiger Mütter, ihr und ihrer Kinder Schutz durch Gesetz und Fürsorge. Arch. sozial. Hyg., 1925-26, n. F., 1: 17-23.—**Valenzuela Hernández, U.** Elementos legales y administrativos para canalizar la protección de la infancia. Crón. méd., 1942, 59: 254-61.

— Medical aspect.

Adair, F. L. Care of the mother and the newborn in the general hospital; administrative and clinical efficiency and control. Hospitals, 1939, 13: No. 2, 50-2.—Af Klercker, K. O. [The physician and communal infant-welfare] Sven. läk. tidn., 1926, 23: 801-12.—Althausen, N. E., Gursky, P. A., & Nazarova, N. S. [Organization of the work for physicians in maternity hospitals in the section for the new-born] Sovet. pediat., 1935, No. 4, 122-5.—Fleminger, S. Stillgeldzahlung und Säuglingsfürsorgestelle. Gesundheitsförs., 1925-26, 1: 390.—Kugelmass, I. N. Influence of prenatal and infant care on child development. Hospitals, 1941, 15: 59-61.—Medical care for wives and infants of men in military service. J. Am. M. Ass., 1942, 120: 846.—Mischke, H. Die Säuglingsfürsorge und der Arzt in der Praxis. Kinderärztl. Prax., 1939, 10: 525-9.—Paucolet, H. L'extension des consultations prénatales pour le libre choix du médecin; expériences de la fondation pour l'étude des moyens de préservation de l'enfance. Echo méd. nord, 1933, 37: 476-9.—Phillips, C. H. The responsibilities of the district maternal and child health physician. Pennsylvania M. J., 1942, 46: 117.—Thompson, A. W. S. The doctor at the infant welfare centre. Med. Off., Lond., 1939, 62: 209.—Tietze, F. Säuglingsfürsorge und Rassenhygiene. Wien. med. Wschr., 1926, 76: 1014-6.

— Methods.

KRZYPOW, B. *Contribution à l'étude des consultations de nourrissons. 78p. 8° Par., 1930.

THÉOPHILIDES, P. *L'intérêt du dispensaire dans l'élevage du nourrisson. 61p. 8° Par., 1929.

Bell, R. E. Infant welfare schemes. J. R. San. Inst., 1932, 52: 388-94.—Berecz, J. [Infant welfare should begin at birth] Orv. hetil., 1927, 71: 74-7.—Boenheim, C. Die Ueberwachung der geistigen Entwicklung der Kinder in den Säuglingsfürsorgestellen. Gesundheitsförs., 1930, 5: 138-41.—Bohn, A. Limites des indications, modalités, rôle éducatif du placement des nourrissons des villes et, notamment, de leur placement à la campagne. Rev. hyg. méd. social, Par., 1938, 17: 350-6.—Dragenhjelm, H. Nogle bemærkninger om børnelegepladser i Danmark. Nord. med., 1941, 12: 3050 (Abstr.) (microfilm).—Geldrich, J. Praktische Erfahrungen auf dem Gebiet der Säuglingsfürsorge und die daraus zu schliessenden Folgerungen. Jahrb. Kinderh., 1936, 3. F., 97: 215.—Klotz, M. Säuglingsfürsorge in Theorie und Praxis. Kinderärztl. Prax., 1939, 10: 370-2.—Provision of day care for children of working mothers. California West. M., 1943, 58: 30.—Stransky, E. Neue Wege der Säuglingsfürsorge. Wien. klin. Wschr., 1928, 41: 525-30.—Townsend, J. Chicago baby week, April 29-May 5. Illinois Health Mess., 1934, 6: 61.—Younggren, H. Resources and plans for child care where mothers are employed. Welf. Bull., Springf., 1942, 33: No. 12, 16-9.

— rural and colonial.

WILLÈME, M. *Un consultation de nourrissons à la campagne. 76p. 8° Par., 1927.

Abbattucci, S. La protection de la maternité et de l'enfance dans les colonies françaises. Rev. philanthrop., Par., 1932, 201-12.—Aiello, G. L'assistenza alla madre ed al fanciullo nelle lavorazioni stagionali agricole. Assist. sociale, Roma, 1939, 13: No. 8, 196-203.—Beaudiment, R. La protection de la maternité et de l'enfance dans les colonies françaises en 1936. Ann. méd. pharm. col. Par., 1938, 36: 148-240.—Deiches, M. T. [Protection of motherhood and childhood in the program of the rural medical stations] Vrach. delo, 1941, 23: 457.—Dohrn, K. Aus der Praxis der Säuglingsfürsorge auf dem Lande. Gesundheitsförs., 1928, 3: 167-70.—Dyer, I. A county health unit with proper functioning maternal and child health program. Am. J. Pub. Health, 1941, 31: 471-6.—Flatzek. Zur Kritik der Säuglingsfürsorge in Landkreisen. Zschr. Schulgesundh., 1926, 39: 540-6.—Grigoriu, C., Voicu, I., & Iancu, A. [Protection of motherhood and childhood in rural districts] Rev. endocr. gin., Cluj, 1940, 4: 149-61.—Gütt. Säuglingsfürsorge und Mitarbeit der Hebammen in einem Landkreise. Zschr. Medbeamte, 1929, 42: 403-9.—Hoffmann, E. Organisation der Säuglingsfürsorge in einem ländlichen Gesundheitsamt. Oeff. Gesundheitsdienst, 1938-39, 4: B, 1-11.—Kreuser, F. Säuglingsfürsorge auf dem Lande. Gesundheitsförs., 1926-27, 2: 396-408.—Laurinsch, A. L'assistenza alla madre ed al bambino in ambiente rurale. Rass. clin. sc., 1937, 15: 475-81.—Martial, J. E. Protection de la maternité et de l'enfance indigènes dans les colonies françaises en 1935. Rev. méd. sociale, Par., 1939, 7: 41; 105.—Paulo Sousa, G. de & Moura Campos, F. de. Assistência à maternidade e à infância na zona rural. Fol. med., Rio, 1937, 18: 586.—Protection de la maternité et de l'enfance indigène dans les colonies françaises en 1934-35; 1937-38. Ann. méd. pharm. col. Par., 1936, 34: 89-133; 1937, 35: 504-64; 1939, 27: 97.—Thiroux, A. La protection de la maternité et de l'enfance dans les colonies de l'Afrique française. Presse méd., 1936, 44: 1553-5.—Wülffing, E. Ein Beitrag zur Säuglingsfürsorge auf dem Lande. Zschr. Gesundheitsverwalt., 1934, 5: 33-5.

— in various countries.

BORUCHIN, S. *Mutter- und Säuglingsschutz im neuen Russland [Jena] p.172-9. 4° Erfurt, 1930.

Also Arch. sozial. Hyg., 1930, 5:

GUHA, B. C. *Mutter- und Säuglingsfürsorge in England. 40p. 8° [Berlin] 1927.

GYSIN, P. *Die Leistungen der Geburtshilfe für die Kinder an der Basler Frauenklinik 1868-1935 [Basel] 28p. 21cm. Liestal, 1939.

ROUBAKINE, A. The protection of motherhood and early childhood. 18 l. 4° [n. p., 1932]

TRISCA, P. Aperçu sur la protection de la maternité et de l'enfance en Italie; quelques considérations sociologiques. 122p. 8° Par., 1925.

VALERO BERNAL, C. A. *Les maternités, la puériculture et la prophylaxie en France. 47p. 8° Par., 1938.

Amarante, J. E. P. Pro infancia. Fol. med., Rio, 1941, 22: 200.—Antonov, A. N. [Material on the history of protection of motherhood and infants in USSR; 10 years of activity in Leningrad 1920-39] Pediatría, Moskva, 1940, No. 5, 77.—Aráoz Alfaro, G. Hacia la protección integral del niño; la obra italiana por la maternidad y la infancia. Bol. Inst. protec. inf., Montev., 1934-35, 8: 379-88.—Armstrong, W. G. The infant welfare movement in Australia. Med. J. Australia, 1939, 2: 641-8.—Asistencia pediátrica y puericultura; primera infancia. Bol. san., B. Air., 1941, 5: 63-8.—Augustin, G. Der Schutz von Mutter und Kind in Italien. Oeff. Gesundheitsdienst, 1937-38, 3: B, 525-30.—Bonilla, R. La protección infantil. Rev. hig., Bogotá, 1934, 15: 56-67.—Cacace, E. Nipologia e educazione del lattante. Crón. méd., Lima, 1937, 54: 231-7.—Carabellese, G. L'assistenza all'infanzia durante il primo quinquennio (Nov. 1927-Nov. 1932) Lattante, Parma, 1933, 4: 214-34.—Cooper, G. M. Ten years in maternity and infancy work in North Carolina. South. M. J., 1941, 34: 437-43.—Couvellaire, A., & Lesné, E. Protection de l'enfance; protection de la maternité et de l'enfance dans les départements d'accueil. Nourrisson, 1940, 28: 76-8.—De Sanctis, S. L'Opera nazionale per la maternità e l'infanzia e gli anormali fisici e psichici. Scuola posit., 1933, n. ser., 13: 294-301.—Desarrollo de un amplio sentido de cooperación en favor del niño. Bol. educ. san., Caracas, 1941, 5: No. 83, 1-3.—Deussen-Rosenthal, E. Mutter- und Kinderfürsorge auf Ceylon. Internat. Nurs. Rev., Genève, 1936, 10: 79-86.—Dodds, P. The Pennsylvania Maternal and Child Health Program. Pennsylvania Health, 1942, 3: No. 3, 11-4.—Florentin, R. La consultation de nourrissons de Robert-Espagne (Meuse) Rev. méd. est, 1934, 62: 8-17.—Gardiner, E. M. Maternity and infancy work in New York State. Med. Woman J., 1927, 34: 72-6.—Gordon, D. C. Maternal and child welfare in Italy. N. Zealand M. J., 1939, 38: N. Zealand Obst. Gyn. Soc., 17-22.—Iancu, A. [Ambulatory infirmaries and infant protection work in Lyon] Cluj. med., 1926, 7: 351.—Indiana's program for better care of the premature and newborn infants. Month. Bull. Bd Health Indiana, 1940, 43: 79.—Infant (The) and pre-school child [Scotland] Annual Rep. Dep. Health Scotland, 1938, 9: 73.—Infant welfare in Queensland. Med. J. Australia, 1936, 1: 210.—Jemma, R. La protezione ed assistenza della maternità e dell'infanzia in Italia secondo le più recenti direttive. Acta paediat., Upps., 1933, 16: 277-80.—Konius, E. M., & Sokolova, A. N. [Twenty years of care for mother and infant in Soviet Russia] Sovet. med., 1938, No. 14, 78.—Lereboullet, P. Les œuvres d'assistance maternelle et infantile au Creusot. Paris méd., 1926, 72: annexe, 376-81.—Letellier, G. Pour que l'ouvrière ou l'employée puisse allaiter son enfant. Ann. hyg., Par., 1926, n. ser., 4: 587-99.—Manicattide, M. La protection publique de la mère et de l'enfant. Bull. Acad. méd. Roumanie, 1940, 5: 522-6.—Maternidad (La) y la infancia en el plano de la actividad nacional. Reforma méd., Lima, 1941, 27: 345-50.—Meier, J. Ein Vierteljahrhundert Säuglingsfürsorge in Bayern. Bl. Gesundheitsförs., 1927-28, 5: 149-62.—Monjardino, A. Protecção à maternidade e infância. Arq. obst. gin., 1938, 3: 129-39.—Montoya, J. M., Bejarano, J. [et al.] Protección infantil y de maternidad. Rev. méd. Bogotá, 1934-35, 44: 759-62.—Moreno Frers, L. La asistente social en los Estados Unidos y la obra de protección a la infancia. An. Soc. puericult. B. Aires, 1942, 8: 64-71.—Moroder, J., & López, F. Un estudio sobre los servicios de atención a embarazadas y lactantes en Valparaíso y Viña del Mar. Rev. chilena hig., 1942-43, 5: 83-104, 2 tab.—Morquio, L. Sobre asistencia de lactantes. Bol. Inst. protec. inf., Montev., 1935-36, 9: 30-57.—Mossé, C. La protection maternelle et infantile pendant les hostilités. Méd. inf., Par., 1939, 46: 378-81.—Nothmann, H. Bilanz der Säuglingsfürsorge in Berlin. Deut. med. Wschr., 1927, 53: 1520.—Oropeza, P. El servicio de higiene maternal infantil de Valencia. Bol. Min. san., Caracas, 1938, 3: 1921-31, ch.—La higiene maternal e infantil en Venezuela; adelantos obtenidos desde el VII Congreso panamericano del niño. Bol. Of. san. panamer., 1942, 21: 1077-83.—Paz Soldán, C. E. Higiene y nipiología; dos fenómenos nipiogénicos que brinda Lima. Crón. méd., Lima, 1935, 52: 242-7.—Pedraza Mendoza,

- H., Gamboa Echandia, R. [et al.] Informe para el VIII Congreso panamericano del niño sobre la organización y actividades de la protección maternal e infantil en Colombia. Rev. hig., Bogotá, 1942, 23: No. 6, 10-35.—Plans for the child. Lancet, Lond., 1942, 2: 106.—Protection maternelle et infantile dans les départements d'accueil. Méd. inf., Par., 1940, 47: 67.—Reiche, A. Vereinheitlichung der Säuglingsfürsorge. Mschr. Kinderh., 1937, 68: 389-98.—Roeder, Krisis der Säuglingsfürsorgestellen? Zschr. Schulgesundh., 1927, 40: 139-43.—Roubakine, A. La protection de l'enfance et de la maternité dans l'Union des Républiques Soviétiques Socialistes. Bull. Off. internat. hyg. pub., Par., 1928, 20: 425-31.—Rouèche. Protection et hygiène sociale des tout-petits de la naissance à 2 ans. J. méd. Paris, 1929, 48: 415-9.—Ruesta, S. Estudios previos para la instalación de un servicio de higiene materno-infantil. Rev. san., Caracas, 1942, 7: 78-143.—Ruiz, C. La asistencia médico-social a la madre y al niño en Francia y Alemania. Arch. argent. pediat., 1939, 11: 46-80.—Russell, V. Maternity and child welfare in 1940; a retrospect in a London borough. Med. Off., Lond., 1941, 65: 21.—Salcedo, F. M. Organización mínima de la protección que el lactante requiere en el Perú. Crón. méd., Lima, 1939, 56: 108-14.—Scantlebury, V. Experiences abroad with special reference to infant welfare. Med. J. Australia, 1927, 1: 35-46. — Address on some aspects of infant welfare work in Victoria. Health Bull., Melb., 1928, No. 13, 409-24. — Some aspects of the infant welfare movement in Victoria, 1917-35. Health Bull., Melb., 1935, 1239-52.—Stimpson, R. T. Need of infant care in North Carolina. Health Bull., Raleigh, 1935, 50: No. 6, 7-9.—Suarez, L. A. Desarrollo del lactante peruano. Bol. Inst. protec. inf., Montev., 1935-36, 9: 17-29.—Taunay Leite Guimarães, A. Salvar a creança e zelar pelo Brasil. Vida med., Rio, 1940, 8: No. 2, 22-4.—Turova, F. D. [Protection of motherhood and childhood in the western Ukraine] Vopr. materin., 1940, No. 7, 1-5.—Valaguessa, F. L'azione dell'Opera nazionale per la protezione della maternità e dell'infanzia nella difesa del bambino lattante. Nipologia, Nap., 1928, 14: 153-66. — Relazione dell'Opera nazionale per la protezione della maternità e dell'infanzia. Atti Congr. pediat. ital., 1931, 14. Congr., pt 2, 947-67.—Valenzuela Hernández U. La protección de la infancia en el Perú; medidas que comprenden al binomio madre-hijo. Crón. méd., Lima, 1942, 59: 99-105. — Protección legal de la embarazada. Ibid., 120-4.—Vidal Freyre, A. Función de las escuelas maternales y jardines de infantes; importancia de la obra que realizan; necesidad de multiplicar e intensificar su acción. An. Soc. puericult. B. Aires, 1942, 8: 302-4.—Vienožinskienė, N. [Safeguarding of motherhood and childhood in USSR] Medicina, Kaunas, 1936, 17: 454-60.—Vigne, P., & Gardère, C. Les œuvres municipales de protection de la première enfance à Lyon. Méd. inf., Par., 1934, 41: 370-82.—Walder, C. Die Krisis der Säuglingsfürsorgestellen. Zschr. Schulgesundh., 1926, 39: 494-7.—Williams, W. C., & Bishop, E. L. The infant hygiene program and the relationship of infant mortality to the maternal hygiene program; an analysis of 7 years' work in Williamson County, Tennessee, 1927-33. South. M. J., 1935, 28: 928-31.—Young, M. [A brief review of maternity and child health work in China] Nat. M. J. China, 1941, 27: 280-91 (microfilm).
- INFANZIA (L') anormale.** Milano, v.12-18, 1919-25.
Ceased publication with v.18.

INFARCTION.

See also **Blood circulation**, Disorders; **Embolism**; **Thrombosis**; also names of primary diseases as **Endocarditis**; also names of parts and organs affected as **Coronary arteries**, Occlusion; **Heart muscle**, Infarction; **Intestine**; **Kidney**; **Lung**, etc.; also **Autolysis**; **Necrosis**.

GERMER, W. *Untersuchungen zur pathologischen Physiologie des Infarkts; über die Arginase in der Nekrose; Versuchsteil [München] p.232-6. 8° Berl., 1936.

Also Hoppe Seyler Zschr., 1936, 243:

PETERS, E. *Untersuchungen zur pathologischen Physiologie des Infarkts; Ammoniak und Milchsäure bei Nekrose und Autolyse [München] p.113-20. 8° Lpz., 1935.

Also Zschr. physiol. Chem., 1935, 237:

VAKILI, G. A. *Etude sur la physiopathologie des infarctus. 146p. 8° Par., 1938.

BORGER, G., & MAYR, T. Untersuchungen zur pathologischen Physiologie des Infarkts; die proteolytische Wirksamkeit des infarzierten Gewebes. Zschr. physiol. Chem., 1935, 234: 245-53.—BORGER, G., PETERS, T., & KURZ, M. Untersuchungen zur pathologischen Physiologie des Infarkts; der Gehalt des Infarktgewebes an reduziertem Glutathion und anderen Sulfhydrylgruppen. Ibid., 1933, 217: 255-73.—Capocaccia, M., & Agnoli, R. Il significato degli istiociti nel processo di evoluzione cicatriziale dell'infarto. Arch. biol., Genova, 1927, 4: No. 5, 3-23.—Cleland, J. B. Infarcts and thromboses met with in

3,000 autopsies. Med. J. Australia, 1936, 1: 572-6.—Gosset, J., & Patel, J. Contribution à l'étude des infarctus viscéraux. Presse méd., 1939, 47: 665-7.—Grégoire, R., & Couvelaire, R. Les infarctus viscéraux expérimentaux. Bull. Soc. nat. chir., Par., 1935, 61: 1174-81. — Les infarctus viscéraux; recherches expérimentales et interprétation pathogénique. J. internat. chir., Brux., 1936, 1: 31-62.—Kilduffe, R. A. Infarction. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 5: 480-4.—Loeffler, L. Genesis of infarction. Arch. Path., Chic., 1939, 28: 323-30.—McNamara, E. P. Thrombosis, embolism and infarction; incidence, prevention and treatment. J. Iowa M. Soc., 1942, 32: 24-6.—Meakins, J. C. Arterioarterial infarction. Ann. Int. M., 1934, 8: 661-8.—Mortensen, M. A. Infarcts of cardiac origin. Bull. Battle Creek Sanit., 1931, 26: 81-7.—Pellé, A. Infarctus général. Mém. Acad. chir., Par., 1936, 62: 202-7.—Teleman, I. A propos d'un cas d'infarctus intestinal et rénal guéri spontanément. Arch. mal. app. digest., Par., 1934, 24: 1052-9.—Tobias, J. W. Infarto de coronaria y de pulmón postoperatorio. Sem. méd., B. Air., 1935, 42: pt 1, 42-7.—Wegelin, C. Zur Entstehung des hämorrhagischen Infarkts. Virchows Arch., 1930, 275: 585-94.

INFECTION.

See also **Infectious disease**; also names of infective agents.

FLEISHER, M. S. Role of bacteria and host in infection and resistance. 312p. 8° [Mt. Vernon, Ill.] 1933.

HILL, J. [H.] Germs and the man. 461p. 22cm. N. Y. [1940]

POMBO BRICIO, J. *Contagio. 29p. 8° Bahia, 1867.

WEINZIERL, J. *Plenciz' Anschauung über Ansteckung. 32p. 21cm. Münch., 1937.

Boyd, L. J. Types of infections. J. Am. Inst. Homeop., 1931, 24: 117-21.—Castex, M. R. Estado del problema de la infección. Siglo méd., 1930, 86: 220; passim. Also Prensa méd. argent., 1930-31, 17: 197-248.—Chauveau, A. Théorie de la contagion médiate ou miasmatisque, encore appelée infection. J. méd. vét., Lyon, 1868, 24: 485-501.—Davidovsky, I. V. [Outline of theory of infection] Klin. med., Moskva, 1927, 5: 407-15; 463-73.—Eppinger, Kaunitz & Popper. Ueber Intoxikation und Infektion. Wien. klin. Wschr., 1934, 47: 225; 262.—Federigo, G. Sul predominio di alcune nuove dottrine. Gior. progr. pat., Venez., 1838, 8: 287-303.—Graves, G. W. The aftermath of contagion. Pennsylvania Health, 1940, 1: 30-2.—Hall, L. M. Infections. Hygiea, Chic., 1938, 16: 225-7.—Heidelberger, M. Newer concepts of infection and immunity and chemistry's part in their development. J. Mount Sinai Hosp. N. York, 1942-43, 9: 893-900.—Hirsfeld, L. [On the nature of infection] Med. dōsw., 1927, 7: 279-98.

[Significance and evolution of infections in Nature] Warsz. czas. lek., 1937, 14: 485-93.—Höring, F. O. Die Phylogenese der Infektion; Grundlagen der entwicklungsgeschichtlichen Betrachtung der Infektionskrankheiten. Klin. Wschr., 1941, 20: 161-5.—Huber, J. B. The nature of infection. Med. Times, N. Y., 1908, 36: 232-5.—Lins, A. Notas sobre infecção. Impr. med., Rio, 1939, 15: 563-80.—McIntosh, T. S. Some observations on infection and infectious diseases. Med. Off., Lond., 1924, 31: 133-6.—Petrescu, G. Z. [Evolution of the conception of infection from ancient days to the present time] Rev. st. med., Bucur., 1938, 27: 270; 341.—Pringle, A. M. N. Variations in infections. Med. Off., Lond., 1934, 51: 175.—Rivers, T. M. General aspects of infection and resistance. In Pract. Pediat. (Brennemann, J.) Hagerstown, 1937, 2: chap. 1.—Roger, G. H. Notions générales sur les infections. In Nouv. traité méd. (Roger) Par., 1920, 1: 1-98.—Schilling, C. Spontaneous and experimental infection. J. Trop. M. & Hyg., Lond., 1930, 33: 334-6.—Snyder, E. E. Before and after the germ theory; Jenner, Pasteur, Koch, and Lister. In her Biol. in the Making, N. Y., 1940, 175-206.—Sticker, G. Vorgeschichte der Lehre von Ansteckung und Uebertragung der Krankheiten. Janus, Leyde, 1927, 31: 55.—Suknev, V. V. [Criticism of certain theories on infection] Vest. mikrob., 1934, 13: 243-56.—Tinker, M. B. Infections. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 7: 787-98.

Agent.

See also **Bacteria**; **Fungi**; **Parasite**; **Protozoa**; **Virus**; also proper names of infective agents as **Actinomyces**; **Aertrycke bacillus**; **Anaerobes**; **Anaplasma**, etc.

FORSSMAN, J. Pathogena bakteriers, infekcioners och vissa epidemiers beroende af främmande bakterier. 36p. 4° Lund, 1918.

MUSSER, J. H., & JONES, P. H., jr. The bacillary infections. p.799-865. 25cm. N. Y., 1940.

Baznewitz. Untersuchungen über Konstitution und Krankheitsdisposition; über die Bedeutung der Zahl der infizierenden Bakterien bei der Fütterungsinfektion. Zschr. Hyg., 1924,

102: 164-78.—Cecil, R. L. The bacteriologic point of view. N. England J. M., 1932, 206: 114-21.—Chauveau, A. Action des milieux infectés sur les sujets sains exposés à la contagion; détermination expérimentale des conditions qui permettent à ceux-ci de subir l'influence de ceux-là. J. méd. vét., Lyon, 1868, 24: 543-54.—Flachs, R. Infektion und Bakteriologie. Arch. Kinderh., 1931-32, 95: 210-7.—Germs. Health Off., Wash., 1939, 4: Suppl., 1-6.—Glynn, J. H. Radio talk given for educational committee; WAAF June 9, 1939; bacteria and infection. Bull. Chicago M. Soc., 1939-40, 42: 76.—Ide, M. La contagion infectieuse. Rev. méd., Louvain, 1926, 121-7.—Lins, A. Estudos brasileiros sobre infecções e seus agentes etiológicos. Impr. med., Rio, 1939, 15: 997; 1198; 1426. —Sobre a contagem das bactérias. Rev. brasil. farm., 1940, 21: 262-4.—Loghem, J. J. van [Commensal infection] Ned. tsehr. geneesk., 1929, 73: pt 2, 5460-7.—Ørskov, J., & Lassen, H. C. A. Die Bedeutung der Grösse der primären Infektionsdosis bei einigen natürlichen Infektionen. Ztschr. Immunforsch., 1930, 67: 137-58.—Pazzini, A. L'elemento religioso nel primitivo concetto di contagio. Athena, Roma, 1939, 8: 377-9.—Poels, J., & Boersma, J. Der Einfluss der sauren Molke auf Tuberkelbazillen, auf den Ansteckungsstoff der Maul- und Klauenseuche und auf andere Krankheitskeime. Deut. tierärztl. Wschr., 1923, 31: 272-4.—[Rentschler, H. C.] Germs inherit strong or weak constitutions. Diplomat, 1941, 13: 135.—Rosenthal, G. Complexité de la notion des contagions d'ou démembrément nécessaire. J. méd. Paris, 1933, 53: 710.—Solovieva, O. I., & Krol, M. E. [Epidemiological significance of the so-called atypical strains of pathogenous microbes] Tr. Leningr. Inst. epidem. bakt. Pasteur, 1938, 6: 53-70.—Van Laethem, A. Modalités particulières de l'infection bacillaire. Rev. méd., Louvain, 1925, 265-8.

Clinical aspect.

See Infectious disease.

Cross-infection and infection in institutes.

See also Epidemic—in institutes.

FRIES, G. *Hausinfektionen in der Beobachtungsstation 1916-24 (Auszug) [Zürich] 5p. 8? Oerlikon, 1925.

JOLIVET, M. *La prévention des infections dans les collectivités de nourrissons et en particulier à l'Hospice des Enfants-assistés. 79p. 8? Par., 1938.

KLUSSMANN, H. U. *Hausinfektionen der II. Medizinischen Klinik [München] 19p. 21cm. Bleicherode, 1938.

LONDON. MEDICAL OFFICERS OF SCHOOLS ASSOCIATION. A code of rules for the prevention of communicable diseases in schools. 10. ed. 71p. 21½cm. Lond., 1940.

Adamson, A. F. The control of infectious diseases in schools. J. R. Inst. Pub. Health, 1939, 2: 81-90.—Barba, P. S., & Williams, J. C. The nurse as a factor in cross infections as they occur in children's wards. Tr. Am. Hosp. Ass., 1937, 39: 578-90.—Bardachzi, F., & Skeles, W. Die Rolle des Krankenhauses im Kampf gegen die akuten Infektionskrankheiten. Med. Klin., Berl., 1934, 30: 1425-8.—Barenberg, L. H., Greene, D. [et al.] Effect of irradiation of air in a ward on the incidence of infections of the respiratory tract with a note on varicella. Pub. Am. Ass. Advance, Sc., 1942, No. 17, 233-6.

—Grand, M. J. H. Prophylactic use of parental blood serum against contagion in a pediatric ward. Am. J. Dis. Child., 1939, 57: 322-9.—Barnes, M. E. Applied epidemiology in a general hospital. J. Am. M. Ass., 1940, 115: 1757-60.—Bauzá, J. A. Comentarios al film: Como se previene la infección en la casa-cuna de Evanston, Illinois. Arch. urug. med., 1942, 20: 395.—Berman, E. I., & Bloch, M. A. [Hospital infections in children] J. epidem. mikroob., 1932, 1: 53-61.—Brooks, G. L., Wilson, U., & Blackfan, K. D. Studies on cross-infection in the Infants' Hospital in Boston. Pub. Am. Ass. Advance, Sc., 1942, No. 17, 228-32.—Brunn, von. Kindererholungs- und -kurheime und Infektionskrankheiten. Ztschr. Schulgesundh., 1928, 41: 225-8.—Carling, E. R. Streptococcal cross-infection in wards. Brit. M. J., 1941, 2: 742-4.—Cassinigoni, G. Sulla profilassi delle malattie infettive nella scuola. Igien. med., 1937, 30: 97-102.—Crajas, F. De la infección y de la profilaxis en el escolar. Arch. españ. pediat., 1931, 15: 210-9.—Colebrook, L. A connected series of misadventures. Brit. M. J., 1941, 2: 743.—Control (The) of epidemics in hospitals. Clin. J. Lond., 1941, 70: 18.—Cross infection in hospital wards. J. Am. M. Ass., 1942, 119: 511; 822.—Cross-infection in wards. Lancet, Lond., 1942, 1: 301.—Cruikshank, R. Cross-infection in hospital wards. Pub. Health, Lond., 1942-43, 56: 17-9.—Dobbs, R. H. [et al.] Cross-infection in wards. Brit. M. J., 1942, 1: 448.—Danilevich, M. G. [Fighting infections in day nurseries in Leningrad] Vrach. gaz., 1931, 35: 529-33.—[Prevention of internal infections in children's hospitals] Sovet. vrach. gaz., 1932, 195-9.—[Combating infectious diseases in children's hospitals] Sovet. vrach. J., 1936, 1: 587-92.—Dobrokhotoy, V. N. [Fighting hospital infection in Soviet Russia] Tr. Sezda bakt.

epidem. san. vrach., 1929, 1: 81-90.—De Biasi, E. La sorveglianza sulle malattie infettive e l'ispezione medica delle scuole. Igien. della scuola, 1911, 2: 441-6.—D'Ewart, J. School infectivity. Child, Lond., 1912-13, 3: 162-7.—Doty, C. A. How Highland Park Hospital reduced nursery infection; present method of treatment decreased cases of impetigo from 56 in one year to 11 in nearly 3 years. Hosp. Management, 1932, 34: 37.—Eberstaller, O. Verhütung der Infektionskrankheiten in Schulen. Oesterr. San. Wes., 1918, 30: [Beilage] 1-26.—Engel, S. Massnahmen in Kinderanstalten zur Verhütung von Infektionskrankheiten. Mschr. Kinderh., 1929, 44: 430-7 [Discussion] 444-55.—Epidemics in English schools. J. Am. M. Ass., 1938, 110: 2156.—Finland, M. The spread of pneumococcal and streptococcal infections in hospital wards and in families. Pub. Am. Ass. Advance, Sc., 1942, No. 17, 212-22.—Forbes, D. Terminal disinfection and exclusion from school. Pub. Health, Lond., 1938-39, 52: 133.—Topping, A., & Mitman, M. Terminal disinfection and exclusion of contacts from school. Lancet, Lond., 1938, 2: 1359-61.—Freund, W. Zur Frage der Infektionsverhütung in Anstalten. Mschr. Kinderh., 1923, 25: 158-70.—Frölich, T. Infectious nosocomiales dans les crèches et hôpitaux pour enfants. Acta paediat., Upps., 1935, 17: Suppl. 1, 18-23 [Discussion] 99-109.—Gleich, M. The problem of cross-infection. Arch. Pediat., N. Y., 1929, 46: 59-61.—Glover, J. A. Discussion in infection in the dormitory. Proc. R. Soc. M., Lond., 1932, 25: 1783.—Golub, J. J. Infections in hospitals; what the administrator should do toward their control. Hospitals, 1940, 14: No. 5, 36-8.—Gyllenswärd, C. [Infectious diseases in schools; an English investigation] Nord. med., 1939, 1: 609.—Harries, E. H. R. Infection and its control in children's wards. Lancet, Lond., 1935, 2: 173-8; 233-9.—Harrington, T. F. The superintendence of infected children when out of school and the conditions of their readmission to school. Congr. internat. hyg. scolaire, 1910, 3. Congr., 1: 272-82.—Hasenjaeger, E. Can we conquer cross infections? Trained Nurse, 1942, 108: 180-4.—Hedrick, P. Air-borne infections in the surgery. Q. Bull. Indiana Univ. M. Center, 1941, 3: 38.—Heeren, R. H. Hospital epidemiology: applications in a situation wherein active distribution of Corynebacterium xerosis and non-toxin-producing diphtheria bacilli synchronized with the occurrence of actual diphtheria infection. J. Iowa M. Soc., 1941, 31: 385-8.—Herz, O. Bekämpfung der Infektionskrankheiten im Kinderkrankenhaus Rothenburgsort. Mschr. Kinderh., 1928, 38: 527-36.—Hill, H. W. One patient in three is infectious, so be prepared for him. Hosp. Management, 1927, 23: No. 4, 31.—Hoder, F. Bekämpfung von Infektionskrankheiten auf Seeschiffen und im Hafen. In Schiffs- & Hafenarzt (Kortenshaus, F.) Jena, 1937, 137-69.—Hoffmann, W. Neues über Infektionskrankheiten, ihre Verhütung und Bekämpfung im Krankenhaus. Ztschr. ges. Krankenhauswes., 1939, 144-51.—Diphtherie- und Scharlachbekämpfung in Anstalten. Schweiz. med. Wschr., 1942, 72: 1160.—Howe, F. S. Clinical demonstration, September 14, 1937. Tr. Am. Hosp. Ass., 1937, 39: 445.—Jundell [Simple isolation method to prevent familial and hospital infection] Sven. läk. säll. förh., 1928, 340-56.—Keller, H. J. Infektionsverhütung im Krankenhaus. Münch. med. Wschr., 1935, 82: 2031-4.—Kenyon, T. The control of cross infection in children's wards. Tr. Am. Hosp. Ass., 1939, 41: 774-83.—Kingsford, L. The control of certain infectious diseases amongst school children. Med. Off., Lond., 1912, 7: 237.—Kireev, M. P. [Rational organization for the control of infectious diseases in hospitals] Sovet. pediat., 1934, No. 3, 126-9.—Kisskalt, K. Laboratoriumsinfektionen mit Typhusbazillen und anderen Bakterien. Arch. Hyg., Berl., 1929, 101: 137-60.—Lehrman, S. R., & Alpert, H. S. The management of epidemics in state institutions. Psychiat. Q. Suppl., 1941, 15: 27-31.—Lempriere, L. R. Infectious diseases in public schools, their origin, spread and prevention. Practitioner, Lond. 1932, 128: 1-12.—Lereboullet, P., & Bohn, A. L'organisation des collectivités de nourrissons et leur protection contre le péril infectieux. Nourrisson, 1936, 24: 69-83.—Lichtenstein, A. Nosocomial infections in children's hospitals and institutions; our means for combating these infections. Acta paediat., Upps., 1935, 17: Suppl. 1, 36-49 [Discussion] 90-109.—Listov, A. F. [Combating nosocomial diseases in children's dispensaries] Sovet. vrach. J., 1937, 41: 1331-5.—Lövegren, E. Infection risks in nursing institutions for infants and young children and measures for their prevention. Acta paediat., Upps., 1935, 17: Suppl. 1, 50-5 [Discussion] 90-109.—Luridiana, P. Malaria e tubercolosi nel quadro sanatoriale. Riv. med. social. tuberc., 1939, 16: 281-91.—McLean, C. J. R. The control of the commoner infectious diseases of school children. J. R. Inst. Pub. Health, 1910, 18: 142-55.—McWhan, A. A. Prevention of infectious disease and the school medical officer. Child, Lond., 1911-12, 2: 1068-73.—Martin, N. H. A note on air-borne infection in hospitals. J. R. Army M. Corps, 1941, 77: 323-5.—Moore, H. L. Control of infection in children's hospitals. Tr. Am. Hosp. Ass., 1938, 40: 591-8.—Nassau, E. Ueber Krankheitsverhütung und Krankheitsbekämpfung in geschlossenen und halboffenen Anstalten der Kinderfürsorge. Gesundheitsf. Kindesalt., 1933, 8: 46-57.—Nazarova, N. V. Voskresenskaia, M. [et al.] [Infection in day nurseries and means of prevention] J. izuch. rann. detsk. vozr., 1931, 11: 454-60.—Neff, F. C. Hospital exposure to the common contagious diseases of children. South. M. J., 1939, 32: 623-7.—Nobécourt. Prophylaxie des maladies aiguës à l'école. In Médecine pédag., Par., 1910, 307-20.—Platou, E. S., Westman, R. T., & Myers, J. A. Infection and the general service hospital. J. Lancet, 1934, 54: 686-91.—Plunkett, R. E., & Curry, A. H.

- Communicable disease technique in general hospitals. Trained Nurse, 1940, 104: 127-9.—**Popoviciu, G., & Popescu, A.** [Prevention of infectious diseases among children in asylums] Cluj. med., 1931, 12: 487-94.—**Posner.** Die Gefährdung von Kindererholungsheimen durch infektiöse Kinderkrankheiten und die zu deren Verhütung beziehungsweise Unterdrückung zu ergreifenden Massnahmen. Zschr. Schulgesundh., 1927, 40: 454-64.—Possible role of the bathroom in the spread of hospital infections. Brit. M. J., 1942, 1: 83.—**Poulsen, V.** Ueber das heutige Auftreten der nosocomialen Infektionen an Kinderkrankenhäusern, insbesondere in bezug auf die Häufigkeit und die Infektionswege. Acta paediat., Upps., 1935, 17: Suppl. 1, 24-35. [Discussion] 90-109.—**Preisich, K.** [Infections in hospitals] Budapesti orv. ujs., 1936, 34: 315-20.—**Prevenção de enfermidades infecciosas em hospitais para niños.** Bol. Of. san. panamer., 1940, 19: 1035.—**Prevention (The) of hospital infection of wounds.** J. Am. M. Ass., 1942, 118: 395.—**Primavera, A.** La profilassi delle malattie infettive acute nelle scuole. Gazz. internaz. med., 1910, 13: 681-4.—**Protokliov, S. A. Gurevich, S. M.** [et al.] [Infection of children in consultation rooms] Pediatra, Moskva, 1938, No. 6, 62-9.—**Putto, J. A.** [Prevention and checking of infectious diseases in schools and nurseries] Tsch. sociale hyg., 35: 205-17.—**Ragazzi, M.** Le più semplici ed immediate misure per la difesa della scuola dalle malattie infettive. Igiene della scuola, 1918, 9: 25-30.—**Reyniers, J. A.** Method and means for preventing cross infection. U. S. Patent Off., 1941, No. 2,248,199.—The control of cross-contamination by the use of mechanical barriers; principles and instrumentation for absolute and partial control with fixed and circulating hosts. Pub. Am. Ass. Advance. Sc., 1942, No. 17, 254-9.—& **Trexler, P. C.** The control of cross-contamination by the use of mechanical barriers; testing the efficiency of mechanical systems for controlling cross-infection. Ibid., 260-6.—**Robertson, E. C.** Ultraviolet light in hospital practice. Tr. Am. Hosp. Ass., 1939, 41: 568-75.—& **Doyle, M. E.** On the control of cross-infections in a children's hospital. Pub. Am. Ass. Advance. Sc., 1942, No. 17, 223-7.—**Rosengart, I. M.** [Prevention of hospital infections] Tr. Vsesouz. sezda detsk. vrach. (1927) 1929, 4: 212-21.—**Rozanov, S. N.** [Methods of control of infectious diseases in hospitals] Sovet. pediat., 1934, Nos. 8-9, 132-40.—**Rundle, C.** The bed isolation of cases of infectious disease; further experience at Fazakerley. Lancet, Lond., 1922, 2: 376.—**Santé maritime et aérienne.** Nat. Health Rev., Ottawa, 1939, 7: 186.—**Scharling, H.** [Epidemic in an institution] Nyl tskr. abnormvæs., 1908, 10: 25-34.—**Schlechtinger, H.** Infektionskrankheiten und Schule. Gesundh. & Erzieh., 1932, 45: 97-107.—**Schwartz, K.** Experimentelle Studien zur Frage der Infektverhütung in Kinderkrankenhäusern. Med. Welt, 1937, 11: 906.—**Shanley, J. P.** Some aspects of the control of infectious diseases in a children's hospital. Irish J. M. Sc., 1933, ser. 6, 88: 145-9.—**Siegl, J.** Zur Vorsorge vor den übertragbaren Erkrankungen im Schulalter. Med. Klin., Berl., 1940, 36: 536-8 (microfilm).—**Smith, C. H., & Davis, M. M.** Controlling infectious diseases in children's out-patient services. Arch. Pediat., N. Y., 1925, 42: 688-96.—**Smith, R. E.** Acute infectious diseases at school. Practitioner, Lond., 1935, 135: 283-97.—**Somervell, T. H.** How nurses can prevent the spread of infection in the surgical wards. J. Christ. M. Ass. India, 1941, 16: 284.—**Spooner, E. T. C.** Observations on hospital infection in a plastic surgery ward. J. Hyg., Lond., 1941, 41: 320-9.—**Stebbins, E. L.** Communicable diseases and the school. N. York State J. M., 1939, 39: 2174-7.—**Straub, H.** Akute Infektionskrankheiten in Kinderheimen. Zschr. Medbeamt., 1930, 43: 450-66.—**Sutherland, R.** The limitation of the spread of infectious diseases in schools; a memorandum for teachers. Med. Off., Lond., 1942, 68: 54.—**Tolle, D. G.** Patients, staff and public must be protected against communicable disease. Mod. Hosp., 1943, 60: 57-9.—**Tomanek, E.** [Prevention of infectious diseases in school children] Cas. lek. česk., 1938, 77: 279-84.—**Weinstein, L.** Further studies on the prophylaxis of experimental infections and intoxications with various hormone preparations. Yale J. Biol., 1939-40, 12: 549-57.—**Zeitlin, A. T.** [Intra-dispensary infection in children's polyclinics] Gig. & zdorov., 1942, 7: No. 7, 39-45.—**Zischinsky, H.** Ein Vorschlag zur Reform der Kinderambulatorien. Jahrb. Kinderh., 1935, 3. F., 94: 172-4, tab.—**Zwang, I. M.** [Control of hospital infections in children's hospitals by means of individual isolation] Sovet. vrach. J., 1939, 43: 301-6.
- **Etiology.**
- See also subheadings; also **Autopsy, Infection from; Wound infection, etc.**
- Bayne-Jones, S.** The effects of carbohydrates on bacterial growth and development of infection. Bull. N. York Acad. M., 1936, 12: 278-84.—**Deelman, H. T.** [Degeneration and infection] Ned. tskr. geneesk., 1931, 75: pt 3, 4150-5, 2 pl.—**Dynamics (The) of crowd infection.** Med. J. Australia, 1940, 2: 40.—**Fischer, A. W.** Ueber den Locus minoris resistentiae. Zbl. Chir., 1934, 61: 23.—**Foveau de Courmelles.** Contagion ou inoculation? J. méd. Paris, 1933, 53: 707-10.—**Gundel, M., Görgy, P., & Pagel, W.** Experimentelle Beobachtungen zu der Frage der Resistenzverminderung und Infektion. Zschr. Hyg., 1931-32, 113: 629-44.—**Haberland, H. F. O.** Der Locus minoris resistentiae. Med. Welt, 1939, 13: 77-9.—**Lavison, R. de.** Influence de la durée du séjour dans des lieux infectés sur la production des maladies épidémiques. J. chim. méd., Par., 1867, 5. ser., 3: 141.—**Orskov, J.** [Mechanism of bacterial infection] Bibl. laeger, 1933, 125: 423-56.—**Solis-Cohen, M.** Determining the infectivity of bacteria for their host with special reference to the pathogen-selective culture. Lancet, Lond., 1936, 2: 1447-50.—**Teale, F. H.** Factors influencing the pathogenicity of bacteria. J. Path. Bact., Cambr., 1933, 37: 185-232.—**Wetherell, F. S.** Infections following trauma. N. York State J. M., 1940, 40: 1094-8.
- **experimental.**
- See also **Bacteriology, Methods; Infectious disease, experimental.**
- Blaisdell, J. L., & Hambleton, A.** A device for infecting animals by inhalation. Am. Rev. Tuberc., 1942, 46: 205-9.—**Bloomfield, A. L., & Felty, A. R.** Quantitative factors in test-tube infection. J. Exp. M., 1924, 39: 367-91.—**Cianci, V.** Sulla infezione microbica in presenza di zuccheri diversi. Boll. Soc. ital. biol. sper., 1938, 13: 130.—**Epstein, G. W.** Bacterial infection in an amoeba. J. R. Mier. Soc., Lond., 1935, 55: 86-94.—**Ettinger-Tulczynska, R.** Nasale Infektion von Mäusen und Ratten mit Trypanosomen und Spirochäten. Zschr. Hyg., 1931-32, 113: 590-6.—**Kisskalt, K.** Die ersten Versuche zur experimentellen Übertragung von Infektionskrankheiten. Zbl. Bakt., 1. Abt., 1933, 130: 69-74.—**Lange, L.** Behelfsmässige Vorrichtung zu Einatmungsversuchen an Kaninchen. Ibid., 1934, 131: 399.—**Laporte, R., & Goyal, R. K.** Influence de l'état d'immunité active ou passive sur le passage dans le sang des germes inoculés par voie cutanée. C. rend. Soc. biol., 1937, 126: 1089-92.—**Le Fèvre de Arric, M., & Millet, M.** La perméabilisation vasculo-méningée aux virus sous l'action de certains colorants. Ibid., 1927, 96: 206.—**Nickel, A. C.** The infection of artificially produced sterile abscesses by the intravenous injection of bacteria. Proc. Mayo Clin., 1928, 3: 297-9.—**Remlinger, P.** Le cloutage des petits animaux de laboratoire procédé extemporané d'inoculation intra-crânienne. C. rend. Soc. biol., 1926, 94: 259.—& **Bailey, J.** Inoculations dans le canal médullaire des os par le procédé du cloutage. Ibid., 389.—**Shoukri, Y. S.** Versuche einer Infektion durch Einreiben von Infektionserregern auf die intakte und die oberflächlich verletzte Haut. Zschr. Hyg., 1929, 110: 697-705.—**Tawara, M.** Altersunterschied im Schicksal der intravenös zugeführten lebenden Bazillen. Acta paediat. jap., 1937, 43: 59 (Abstr.).—**Topley, W. W. C.** The minimal lethal dose. J. State M., Lond., 1927, 35: 63-88; 125-46.
- **Human carriers.**
- See **Bacillus-carriers.**
- **latent.**
- See also **Bacillus-carriers; also such diseases as Actinomycosis; Gas gangrene; Leprosy; Malaria; Tetanus; also Infectious disease (chronic; focal; Relapse)**
- Kolle, W., & Prigge, R.** Die symptomlose Infektion. 48p. 8°. Jena, 1933.
- Bonnin, H., & Jeansotte, G.** L'infection latente résiduelle des récurrentes expérimentales. Biol. méd., Par., 1940, 30: 121-71.—**Breini, F.** Die symptomlose Infektion. Klin. Wschr., 1929, 8: 1793.—**Bruynoghe, R.** Les infections inapparentes. Rev. méd., Louvain, 1931, 271.—**Carossini, G.** Ricerche sulla flora batterica nei postumi settici delle ferite (di guerra) contributo allo studio del microbismo latente. Sperimentale, 1926, 80: 25-40.—Microbismo ed antiche ferite di guerra: nuovo contributo allo studio del microbismo latente. Policlinico, 1928, 35: sez. chir., 627-32.—**Doerr, R.** Latente Infektionen. Ann. Tomarkin Found., 1932, 2: 51-64.—**Eisenberg, E.** [Non apparent infections] Polska gaz. lek., 1935, 14: 577-81.—**Garber, I. A.** [Treatment of latent infection] Vrach. delo, 1925, 8: 498.—**Girgola, S. S.** [Latent infection] Vest. khir., 1929, 18: 9-12.—**Hallows, N.** Minimal infections. Practitioner, Lond., 1935, 134: 513-7.—**Hatakeyama, I.** Influence of the partial obstruction of nutrition upon the experimental animals that are in the latent infection by suppurative germs. Bull. Nav. M. Ass., Tokyo, 1939, 28: 49: 62.—**Jacoco, I.** Il microbismo latente. Riforma med., 1925, 41: 900-2.—**Janishevsky, F. I.** [Data on latent infection] Sovet. klin., 1932, 18: 102-5.—**Kolle, W.** Ueber symptomlose Infektionen und ihre Bedeutung für Epidemiologie, Pathologie und Immunität, insbesondere der Syphilis. Schweiz. med. Wschr., 1929, 59: 517-20.—**Krecke, A.** Ruhende Infektion. In his Beitr. prakt. Chir., Münch., 1934, 86.—**Kuntzen, H.** Die Bedeutung und die Erkennung der ruhenden Infektion. Aerzt. Rdsch., 1933, 43: 203-6.—**Maske, B.** Ergebnisse der Untersuchung auf ruhende Infektion an Extremitäten. Arch. klin. Chir., 1931, 164: 58-65.—**Meyer, K. F.** Latent infections. J. Bact., Balt., 1936, 31: 109-35.—**Michelman, M. D.** [Latent infection in orthopedics] Ortop. travmat., 1937, 11: 3-13.—**Negro, G.** Del microbismo latente. Gior. batt. immun., 1932, 8: 615-31.—**Nicollé, C.** Les infections inapparentes. Scientia, Bologna, 1933, 53: 181-8.—Sur les conditions de la recherche des infections inapparentes chez les animaux qui ne réagissent pas visiblement à l'inoculation du virus d'une fièvre exanthématique ou d'un produit dans lequel on suppose sa présence. Arch. Inst. Pasteur Tunis,

1934, 23: 19-31. — L'infezione inapparente, forme naturale d'estinzione de certaines maladies infectieuses. *Ibid.*, 438-40. — **Pangalos, G. E.** Das Problem der einschleppenden Infektionen. *Deut. med. Wschr.*, 1936, 62: 899-901. — **Problems of latent infection.** *J. Am. M. Ass.*, 1934, 103: 1951. — **Reiter, H.** Zur Bedeutung der stummen Infektion. *Klin. Wschr.*, 1928, 7: 2181. — **Scalini, L.** Il problema dei rapporti tra infezione latente e immunità, studiato a mezzo di minime dosi di virus vaccino, dosi subpatogene. *Ann. igiene*, 1939, 49: 429-41. — **Schnitzler, J.** Kann ein Trauma das Manifestwerden einer latenten Infektion bewirken? *Aerzt. Prax.*, Wien, 1933, 7: 323. — **Sergent, E.** Infections latentes et infections actives. In *Festschr. B. Nocht, Hamb.*, 1937, 565-7. Also *Arch. Inst. Pasteur Algérie*, 1938, 16: 3-6. — **Silent infection.** *Michigan Pub. Health*, 1936, 24: 103-8. — **Solovov, P. D.** [Latent infection in tissues and organs] *Klin. med.*, Moskva, 1929, 7: 917-32. — **Waldman, V. A.** [Latent infections] *Sovet. vrach. J.*, 1937, 41: 1202-7. — **Wiese, O.** Aktivierung latenter Infektionskrankheiten durch unspezifische Reize. *Fortsch. Med.*, 1923, 41: 57. — **Zlatogorov, S. I.** [Latent infections] *Klin. med.*, Moskva, 1929, 7: 1627-33.

Pathways, distribution and fate of agent.

See also **Bacteriemia**; **Sepsis**; also names of specific infectious diseases.

Beye, H. L. Transphrenic infection; report of 10 cases. *Arch. Surg.*, 1927, 14: 240-60. — **Bruzzone, L.** Distribuzione quantitativa dei germi (Bact. prodigiosum) introdotti nell'organismo per via venosa e rispettivamente per via arteriosa. *Gior. batt. immun.*, 1934, 13: 540-6. — **Cannon, P. R.** Bacterial localization and growth in normal and immune tissues. *Am. J. Path.*, 1935, 11: 852. — **Catron, L.** Studies on bacterial localization; effects of specific immunization and of a gum acacia medium on localization of type I pneumococci in mice. *J. Exp. M.*, 1935, 61: 735-52, 3 pl. — **Doerr, R.** Die Organotropie, ein Fundamentproblem der Lehre von der Infektion. *Ned. mschr. geneesk.*, 1927, 14: 45-65. — **Ely, J. O.** The determination of the distribution of bacteria in the rat by the use of radioactive isotopes. *J. Franklin Inst.*, 1941, 232: 385-7. — **Distribution in the rat of injected radio-activated bacteria.** *Ibid.*, 1942, 234: 500-14. — **Finucci, V.** Passaggio dei germi dal tubo gastroenterico e dal sottocutaneo. *Pathologia*, Genova, 1935, 27: 518-23. — **Gutfield, F. von, & Mayer, E.** Die Bewertung von Bakterienbefunden, das Eindringen und die Verteilung von Keimen. *Zbl. Bakt.*, 1. Abt., 1932, 124: 122-59. — **Hoeden, J. van der** [Bacteremia and localization of microbes] *Ned. tschr. geneesk.*, 1937, 81: 337-40. — **Höring, F. O., & Arjona, E.** Ueber elektive Lokalisation von Bakterien. *Zschr. ges. exp. Med.*, 1933, 91: 549-61. — **Huntmüller, O.** Die Ausscheidung von Mikroorganismen durch Leber und Niere und ihr Nachweis durch ein Anreicherungsverfahren. *Med. Klin.*, Berl., 1924, 20: 960-3. — **Kadisch, E.** Der Einfluss von Temperatur und Sauerstoff auf die Lokalisation der Infektionen; wägende Untersuchungen an Fadenpilzen; Untersuchungen mit dem Pulfrich-Photometer an Hefen; Modifikation des Pulfrich-Photometers. *Arch. Derm. Syph.*, Berl., 1933, 168: 438-75. — **Laporte, R., & Goyal, R. K.** Sur le passage dans le sang des germes inoculés par voie dermique. *C. rend. Soc. biol.*, 1937, 126: 761-4. — **Link, T.** Wann sind intrakutan eingespritzte Bakterien in inneren Organen nachweisbar? *Zbl. Bakt.*, 1. Abt., 1937, 139: 489-92. — **Miller, A. A., & Bojarskaja, W. G.** Zur Frage der elektiven Lokalisierung der Mikroben. *Zschr. Immunforsch.*, 1929, 61: 4-15. — **Pansini, G.** Le vie di penetrazione dei germi nell'organismo ed i poteri naturali di difesa. *Med. prat.*, Nap., 1927, 12: 81-92. — **Pariscetti, P.** Ricerche sperimentali sulla eliminazione precoce dei batteri attraverso gli emuntori. *Boll. Soc. med. chir.*, Pavia, 1937, 51: 697-706. — **Perazzi, P.** Sulla sorte di alcuni stiptipi di germi sporigeni introdotti nel sangue circolante. *Pathologia*, Genova, 1921, 13: 293-9. — **Pette, H.** Ueber einen Modellversuch zum Problem der Aktivierung apathogener Keime durch solche Infektionen. *Zbl. Bakt.*, 1. Abt., 1929, 113: 432-8. — **Radaody-Ralarosy, P.** Le sort de quelques bacilles atténués dans les principaux organes du cobaye. *Languedoc méd.*, 1939, 31: 305-19. — **Sacchi, M.** Ricerche sulla localizzazione elettiva dei germi. *Gior. batt. immun.*, 1932, 9: 314. — **Sager, W. W., & Nickel, A. C.** Localization of bacteria in tissues of lowered resistance. *Arch. Surg.*, 1929, 19: 1086-9. — **Salvioli, I., & Oselladore, G.** Condizioni che possono determinare la localizzazione di germi circolanti. *Gior. batt. immun.*, 1928, 3: 145-50. — **Sanarelli, G.** Galvanotropismo microbico nei l'organismo animal. *Ann. Inst. Pasteur, Par.*, 1926, 40: 161-6. — **Schmidt-Ott, A.** Ueber das Eindringen von Infektionserregern in die regionären Lymphdrüsen und den Blutkreislauf nach cutaner Infektion; ein Beitrag zur Frage der lokalisierten und der Allgemeininfektion. *Zschr. Hyg.*, 1927, 107: 441-52. — **Serra, G.** Contributo al tropismo e localizzazione elettiva dei germi. *Arch. Soc. ital. chir.*, 1934, 40: 673-5. — **Steinfeld, F.** Untersuchungen über elektive Lokalisation. *Zschr. ges. exp. Med.*, 1931-32, 80: 472-86. — **Virando, A.** Ricerche sperimentali sulla localizzazione elettiva dei germi. *Gior. batt. immun.*, 1934, 12: 1-38.

Portal of entry.

KRETSCHMER, A. *Die Nase als Eintrittspforte für Infektionserreger [Berlin] 24p. 8? Grotzloh, 1935.

Cristiani, M. Infezioni da tripanosomi e spirochete per via auricolare; ricerche sperimentali. *Arch. ital. sc. med. col.*, 1938, 19: 406-15. — **Rake, G. W.** Infection through the olfactory mucosa. *Lancet, Lond.*, 1937, 1: 1433. — **Siiiba, Y., & Matuoka, K.** Zur Frage der Infektion durch die normale Haut bei Typhus, Dysenterie und Cholera. *J. Chosen M. Ass.*, 1927, No. 74, 30-4.

postoperative.

See **Infectious disease**, **Surgical aspect**; **Wound infection**.

Prevention.

See also **Immunization**; **Infection**, **Source and spread**; **Infectious disease**, **Control**; also such headings as **Air**, **Purification**; **Alcohol**, **Therapeutic use**, **external**; also under names of specific infectious diseases.

BENVENISTE, E. *Recherches expérimentales sur l'action protectrice du masque dans les maladies infectieuses [Lausanne] 26p. 8? Sainte-Croix, 1919.

KAZANSKY, S. [How transport should be protected against infectious diseases] 64p. 17½cm. Moskva, 1929.

MECHNIKOV, E. The new hygiene; three lectures on the prevention of infectious diseases. 104p. 16° Chic., 1907.

Barksdale, I. S., Mullenix, G. K., & Fuster, L. B. The prevention of diphtheria and scarlet fever in contacts. *South. M. & S.*, 1942, 104: 192-5. — **Barnes, H. L.** How to avoid common contagious diseases. *Certif. Milk*, 1941, 16: No. 187, 3: 19. — **Bessau, G.** Verhütung der wichtigsten Infektionskrankheiten; Tuberkulose, Lues congenita. *Med. Welt*, 1934, 8: 1645; 1715-8. — **Böhme, W.** Andere Gesichtspunkte prophylaktischer Handlung bei Infektionskrankheiten, dargelegt an experimentellen Versuchen bei Rotlauf. *Wüzb. Abh. Med.*, 1923, 21: 95-119. — **Clarke, F.** The prevention of contagious diseases in children. *Nebraska M. J.*, 1940, 25: 290. — **Corpus, T.** The nature and prevention of the common communicable diseases. *Month. Bull. Bur. Health, Manila*, 1938, 18: 83-91. — **Deicher, H.** Schutz der Angehörigen bei Infektionskrankheiten. *Deut. med. Wschr.*, 1928, 54: 351. — **Doyer, J. J. T.** Lutte contre la scarlatine et la diphtérie au moyen de l'immunisation. *Bull. Off. internat. hyg. pub. Par.*, 1938, 30: 1785-8. — **Elkin, I. I.** [Anti-epidemic work and problems of therapeutic prophylactic institutions] *Sovet. vrach. J.*, 1939, 43: 572-7. — **Evacuation and infection.** *Med. Off.*, Lond., 1940, 64: 153. — **Fenton, J.** Protection from infections. *Ibid.*, 1941, 65: 49. — **Gard, P. W.** A program for the prevention of the common communicable diseases. *Med. Ann. District of Columbia*, 1938, 7: 279-85. — **Gerdts, K. E.** Seuchenschutz bei Wanderfahrten. *Off. Gesundheitsdienst*, 1938-39, 4: A, 801-3. — **Gins, H. A.** Wie schützen wir unsere Jugend vor Infektionskrankheiten? *Bl. Volksgesundh.*, 1922, 22: 89-91. — **Gloyne, L. B.** The family physician and certain preventive disease measures. *J. Kansas M. Soc.*, 1924, 24: 36-41. — **Grant, L.** Some modern causes of the spread of infectious diseases and the onset of some physical ailments, with simple methods for assisting in their prevention. *Caledon. M. J.*, 1929, 14: 46-60. — **Hainiss, E.** [Nature, tandechnic value of preventive measures against contagious diseases of childhood] *Orvosképzés*, 1938, 28: Feb. Különf., 5-21. — **Hamburger, F.** Ueber Dispositionsprophylaxe bei Infektionskrankheiten. *Wien. med. Wschr.*, 1925, 75: 986-91. — **Herderscheé, D.** [Prevention of acute infectious diseases] *Nosokomos, Amst.*, 1922, 22: 523-8. — **Herran, J. E.** Plan de profilaxis interna contra las enfermedades infectocontagiosas. *Sem. méd.*, B. Air., 1940, 47: pt 2, 1190-5. — **Hofmeier, K.** Ueber Seuchenschutz im Kindesalter. *Off. Gesundheitsdienst*, 1938-39, 4: B, 457-64. — **Ide.** Mesures prophylactiques. *Mouvement hyg.*, Brux., 1911, 27: 174-80. — **Imbasciati, B.** Le maschere e le zanzariere per la difesa dai contagi; il valore protettivo di reticelle di vario tipo contro germi contenuti in goccioline di liquidi nebulizzati. *Osp. maggiore, Milano*, 1937, 25: 27-34. — **Jürgens, G.** Die Verhütung der Infektionskrankheiten. *Berl. Klin.*, 1926, H. 355, 1-32. — **Jundell, I.** Eine einfache Anordnung zur Verhinderung familiärer und nosocomialer Infektionen. *Acta paediat.*, Upps., 1928, 8: 375-92. — **Jusatz, H. J.** Grundlagen einer Vitaminprophylaxe bei Infektionskrankheiten. *Schweiz. med. Wschr.*, 1942, 72: 1109 (Abstr.). — **Kacprzak, M.** [Principles in prevention of infectious diseases] *Warsz. czas. lek.*, 1937, 14: 294-8. — **Kellogg, J. H.** Biologic antisepsis. *Am. J. Surg.*, 1926, n. ser., 1: 249-56. — **Kutscher, G. W., jr., Baird, J. S.** [et al.] Round table discussion on the prevention of contagious diseases. *J. Pediat.*, S. Louis, 1940, 17: 405-17. — **Kuttner, A. G., & Reyersbach, C.** The prevention of streptococcal upper respiratory infections and rheumatic recurrences in rheumatic children by the prophylactic use of sulfanilamide. *J. Clin. Invest.*, 1943, 22: 77-85. — **Lafosse, G.** Introduction à l'étude de l'hygiène prophylactique. *Infirmière fr.*, 1923, 1: 89; 221. — **La méthode de Milne; sa technique.** *Ibid.*, 1924-25, 2: 201-11. — **Ledingham, J. C. G.**

- The prevention of acute specific fevers. Practitioner, Lond., 1940, 145: 85-91.—**Lotze, H.** Bedingungen, Abwehr und Verhütung von Infekten. Ther. Gegenwart, 1938, 79: 438-44.—**McCullom, J. H.** The decrease of infectious diseases consequent upon the application of preventive measures. Boston M. & S. J., 1907, 156: 226-37.—**McSweeney, C. J.** The prevention and treatment of fevers. Irish J. M. Sc., 1939, 6. ser., No. 165, 673-80.—**Matulevicius, A.** [Means of prevention against spontaneous infections in children] Medicina, Kaunas, 1929, 10: 101-8.—**Meyer, K. F.** Why epidemics? U. S. Nav. M. Bull., 1939, 37: 333-51.—**Mitchell, E. C., & Goltman, D. W.** Infection and immunity with a resumé of prevention of infection. Texas J. M., 1937-38, 33: 220-8.—**Nihoul, L.** L'hémoprophylaxie des maladies infectieuses. Liège méd., 1931, 24: 1069-81. Also Ann. Soc. méd. chir. Liège, 1932, 65: 45-50.—**Palmer, L.** Measures other than immunization for the prevention of communicable diseases. Bull. Dep. Health Kentucky, 1941-42, 14: 442.—**Peeters, H.** [Preventive medicine and acute bacterial infections] Geneesk. gids, 1937, 15: 957; 977; 1001.—**Pous Chazaro, E.** La lucha contra la infección. Hosp. gen., Méx., 1925-26, 1: 238-44, pl.—**Ramon, G.** La défense des populations contre les maladies infectieuses, fièvres typhoïdes, diphtérie, tétanos, au moyen de la généralisation des vaccinations associées. Presse méd., 1940, 48: 803.—**Regamey, R.** Principes de prophylaxie antiseptique. Praxis, Bern, 1941, 30: 569-74.—**Reynaud, G.** L'hygiène dans les maladies infectieuses. Médecine, Par., 1922-23, 4: 192-4.—**Richter, J.** Beiträge zur Frage des Hautschutzes gegen Infektion mit Rotz- und Rotlaufbazillen. Deut. tierärztl. Wschr., 1926, 34: 773-5.—**Rolkó, S.** [How could we solve the problem of prevention of infectious diseases?] Orv. hetil., 1937, 81: 465.—**Romeo Lozano, A.** Profilaxis de las infecciones de la infancia. Arch. med., Madr., 1926, 23: 249-63.—**Ruata, G.** La chemio-profilassi delle infezioni. Rass. med. lavoro indust., 1938, 9: 195-8.—**Sandler, A. S.** Prevention of the common contagious diseases. Arch. Pediat., N. Y., 1938, 55: 360-71.—**Siegl, J.** Infektionskrankheiten. Med. Klin., Berl., 1936, 32: 1639; 1676.—**Spezifische Prophylaxe der akuten Infektionskrankheiten im Kindesalter.** Wien. klin. Wschr., 1936, 49: 275.—**Smith, G.** The prevention of infection in early infancy. Pub. Health J., Toronto, 1925-26, 17: 405-9.—**Staudt, D.** De la désinfection en función de las enfermedades contagiosas. Rev. san. mil., B. Air., 1938, 37: 53-8.—**Strimpl, V.** [Prevention of infectious diseases] Bratisl. lek. listy, 1934, 14: 347-59.—**Tanon, L.** Hygiène et maladies infectieuses. Rev. méd. fr., 1927, 8: 267-76.—**Tello Puertolas, P.** La infección: cómo se contrae y cómo se evita. Siglo méd., 1927, 74: pt 2, 273-81.—**Thompson, A. G. G.** Some aspects of infectious disease prevention. Med. Press & Circ., Lond., 1937, 195: 9-11.—**Thomson, C. S.** The private practitioner and preventive medicine. Med. Off., Lond., 1923, 30: 231.—**Toomey, J. A.** Passive prophylaxis against acute infections in childhood. Ohio M. J., 1938, 34: 1213-9.—**Top, F. H.** Prophylaxis of the common communicable diseases of childhood. Rep. Wayne Co. M. Soc., 1937-38, 8: 29-33. Also Arch. Pediat., N. Y., 1938, 55: 259-67.—**Vallée, H.** De la prévention contre la tuberculose et diverses infections chroniques. Rec. méd. vét., 1924, 100: 513-7.—**Vieira, B.** Valor da desinfecção na prophylaxia das doenças infectuosas. Ann. paul. med. cir., 1923, 14: 123-8.—**Welford, N. T.** The prevention of contact infections in children. Illinois M. J., 1940, 78: 435-41.—**White, P. J.** The importance of periodic examinations of those who have contact with children. Week. Bull. S. Louis M. Soc., 1938-39, 33: 124-8.—**Wu, L. T.** The prevention of infectious diseases in China. Rep. Manchur. Plague Prev. Serv., 1929-30, 7: 137-42.
- Foster, C.** Effect of diet on resistance to infection: maternal diet. Am. J. Dis. Child., 1937, 54: 1178. — Diet and resistance to infection; genetic versus dietary factors. Am. J. Pub. Health, 1940, 30: 1217-20. — & **Asher, D. W.** Diet and resistance to infection; the effect of the maternal diet. Ibid., 1937, 27: 1232-9.—**Clausen, S. W.** The influence of nutrition upon resistance to infection. Physiol. Rev., 1934, 14: 309-50. — Nutrition and infection. J. Am. M. Ass., 1935, 104: 793-8.—**Costa, D.** Valor das vitaminas na resistencia as infecções. Impr. med., Rio, 1939, 15: 983.—**Di Maccio, G.** Mecanismos da resistencia natural às infecções. Resenha clin. cient., S. Paulo, 1940, 9: 213-7.—**Doerr, R.** Die erblichen Grundlagen der Disposition für Infektionen und Infektionskrankheiten. Ber. Phys. med. Ges. Würzburg (1937) 1938, n. F., 61: 14-42. Also Zschr. Hyg., 1936-37, 119: 635-59.—**Duran-Reynals, F.** Tissue permeability and the spreading factors in infection; a contribution to the host parasite problem. Bact. Rev., Balt., 1942, 6: 197-252. — Factores de infección de resistencia. Rev. méd. Barcelona, 1934, 21: 115-40. — The extent of local dispersion of infectious agents as a factor in resistance to infection. J. Exp. M., 1935, 61: 617-42, pl.—**Eguti, C., & Yosimoto, I.** Ueber die verschiedene Empfänglichkeit junger und erwachsener Individuen für Infektionen; über den Mechanismus von natürlicher Abwehrkraft erwachsener Individuen gegen perorale Infektionen. J. Orient. M., Dairen, 1928, 7: 17-20.—**Faulkner, J. M., & Taylor, F. H. L.** Vitamin C and infection. Ann. Int. M., 1936-37, 10: 1867-73. Also in J. H. Pratt Anniv. Vol., 1937, 146-52.—**Ferguson, B.** Resistance and its apparent control. Am. Med., 1926, n. ser., 21: 182-6.—**Frei, W.** Ueber den Einfluss der Injektion von Blut auf die Widerstandsfähigkeit gegen Infektionen. Schweiz. med. Wschr., 1939, 69: 751. — Beeinflussung der Infektionsresistenz durch neurovegetative Gifte. Ibid., 1941, 71: 377-9.—**Frey, W.** Die Bedeutung der Organe mesenchymaler Abstammung für die Widerstandsfähigkeit des Organismus gegenüber bakteriellen Infektionen im Wachstumsalter. Klin. Wschr., 1929, 8: 1604-6.—**Friedberger, E., & Hoder, F.** Experimenteller Beitrag zur Frage des Zusammenhanges zwischen Ernährung und Infektion. Med. Klin., Berl., 1928, 24: 1353-5.—**Gins, H. A.** Rassenbedingte Unterschiede in der Empfänglichkeit für Infektionskrankheiten. Med. Welt, 1935, 9: 1228-30.—**Gordon, B., & Baker, J. C.** Observations on the apparent adaptability of the body to infections, unusual hardships, changing environment and prolonged strenuous exertion. Am. J. M. Sc., 1929, 178: 1-8.—**Gottstein, A.** Persönliche Empfänglichkeit. Klin. Wschr., 1925, 4: 615.—**Haam, E. von, & Rosenfeld, I.** The influence of sex hormones upon natural resistance. Proc. Centr. Soc. Clin. Res., 1941, 14: 6 (Abstr.).—**Hazelhurst, W. D., Johnston, W. O., & Patton, E. W.** The relationship of vitamin A to infection in the chick embryo. J. Clin. Invest., 1942, 21: 638.—**Herrman, C.** The relation of sexual maturity to serological maturity and resistance to infection. Arch. Pediat., N. Y., 1932, 49: 785-93.—**Hess, A. F.** Diet, nutrition and infection. Acta paediat., Upps., 1932, 13: 206-24. Also N. England J. M., 1932, 207: 637.—**Hirsfeld, H., & Hirsfeld, L.** Weitere Untersuchungen über die Vererbung der Empfänglichkeit für Infektionskrankheiten. Zschr. Immunforsch., 1927-28, 54: 81-104. — & **Brokman, H.** Untersuchungen über Vererbung der Disposition bei Infektionskrankheiten, speziell bei Diphtherie. Klin. Wschr., 1924, 3: 1308-11.—**Hoff, F.** Infektionsabwehr und vegetatives Nervensystem. Deut. med. Wschr., 1941, 67: 417-20.—**Hou, H. C.** Infections observed in experimental animals fed upon certain unbalanced diets. Chin. M. J., 1938, 53: 47-52.—**Influence (The) of nutrition upon resistance to infection.** Med. J. Australia, 1934, 2: 652.—**Inheritance of resistance to infective disease.** Ibid., 1934, 2: 755.—**Irwin, M. R.** Inheritance as a factor in resistance to an infectious disease; the correlations between resistance of the host and certain measured variables. J. Immun., Balt., 1933, 24: 329-42.—**Keeton, R. W.** Factors in tissue repair and resistance to infection. J. Am. Dent. Ass., 1936, 23: 194-201.—**Khreninger-Guggenberger, J. von.** Die Disposition zur Infektion und ihre experimentelle Erforschung. Radiol. Rdsch., 1934, 3: 314-22.—**Kiselev, P. N.** [Changes in general and local resistance against infection in relation to preliminary treatment with roentgen rays] Vest. rentg., 1936, 16: 363-72.—**Kligler, I. J.** Relation of temperature susceptibility of host to disease. Proc. Soc. Exp. Biol., Y., 1927-28, 25: 20. — & **Olitzki, L.** The influence of solar irradiation on the susceptibility of mice to an infection with S. enteritidis. Am. J. Hyg., 1935, 22: 1-10.—**Kobasi, S.** Experimentelle Untersuchung über Avitaminose und Disposition der Empfänglichkeit; über die Beziehungen zwischen Infektion von Notoedres alepis und Vitamin. J. Chosen M. Ass., 1932, 22: 117. — Experimentelle Untersuchungen über Avitaminose und Infektiosität; Tierexperimente mit menschlicher Lepraknotenemulsion; pathologisch-histologische Befund der mit Lepraknotenemulsion geimpften Avitaminosensitierte. Ibid., 1933, 23: 32.—**Kowatzig, H.** Zur Widerstandsfähigkeit des Eingeborenen gegenüber Infektionen. Aerztl. Rdsch., 1929, 39: 364.—**Kudo, S.** Experimental study for the refrigeration of body as a provocative factor of pneumococcus and influenza bacillus infection. Bull. Nav. M. Ass. Japan, 1929-30, 18: 3.—**Lange, B., & Gutdeutsch, H.** Experimentelle Untersuchungen über die Organ disposition für verschiedene Infektionen und über die Immunität nach Infektionen ohne nachweisbare Erkrankung. Zschr. Hyg., 1928, 109: 253-65.—**Lauber, H. J.** Experimentelle Untersuchungen über die Beziehungen der Vitamine zur Infektion. Beitr.

Resistance and susceptibility.

See also **Immunity** and its subheadings; also **Infectious disease, Etiology**; also names of specific infectious diseases.

BRENDEL, H. *Haften von Infektionen bei Meerschweinchen und Mäusen unter verschiedenen Temperatureinflüssen. 16p. 8°. Berl., 1937.

PHILIPSON, J. Experimental studies on enhanced resistance to infection following some non-specific measures. 148p. 8°. Kbh., 1937.

Albrecht, W. Die Bedeutung der Erbmasse bei Infektionen der Schleimhäute und die Methoden ihrer Erforschung. Acta otolar., Stockh., 1927, 11: 16-23.—**Andreis, N.** Vitamine e infezioni. Med. ital., 1936, 17: 80; 149; 210; 285; 334.—**Arnold, L.** A new mechanism of defence against bacteria through the use of certain foods. Am. J. Pub. Health, 1934, 24: 854-8.—**Bernabeo, E.** Infezione ed avitaminosi. Arch. Soc. ital. chir., 1936, 42: 744-57.—**Bieling, R.** Unterernährung und Infektion. Deut. med. Wschr., 1927, 53: 182; 228.—**Blumenthal, F.** Racial difference in resistance to respiratory infection. Human Biol., 1942, 14: 104-9.—**Brown, A.** The role of minerals and vitamins in growth and resistance to infection. Brit. M. J., 1933, 1: 55-7.—**Bruynoghe, R.** La resistance aux infections. Rev. méd., Louvain, 1934, 129-34.—**Cannon, P. R.** Some changing emphases in the study of infection and resistance. Tr. Chicago Path. Soc., 1933, 14: 85-90.—**Church, C. F.** Factors influencing nonspecific resistance to infection. Am. J. Pub. Health., 1939, 29: 215-23. — &

- klin. Chir., 1936, 164: 365-9.—**Lawson, C. E.** The Dick and Schick reactions; results of 500 Schick and 400 Dick tests. *Hahnemann. Month.*, 1933, 68: 606-9.—**Leppo, E.** Ueber die Bedeutung des A- und C-Vitamins bei Infektionskrankheiten. *Acta Soc. med. Duodecim*, 1939, 27: Ser. B, No. 30, 1-4. Also *Duodecim*, Helsinki, 1939, 55: 129-42.—**Levine, V. E.** Faulty food and susceptibility to infection. *Mil. Surgeon*, 1933, 72: 307-18.—**Locke, A.** Non-specific factors in resistance; capacity to sustain effective circulation. *J. Immun.*, Balt., 1939, 36: 159-72.—**Main, E. R., & Mellon, R. R.** Non-specific factors in resistance; capacity for retarding bacterial proliferation. *Ibid.*, 1939-40, 36: 183-92.—**Lotze, H.** Der Mensch und sein Verhältnis zur körpereigenen Keimwelt. *Hippokrates*, Stuttgart, 1938, 9: 393-401.—**McClean, D. A.** A factor in culture filtrates of certain pathogenic bacteria which increases the permeability of the tissues. *J. Path. Bact., Camb.*, 1936, 42: 477-512.—**Mackay, H. M. M.** Dietetic deficiencies and susceptibility to infection with special reference to children. *Lancet*, Lond., 1934, 2: 1462-6.—**Manwaring, W. H., & Frietsch, J.** Study of microbe-tissue affinity by perfusion methods. *J. Immun.*, Balt., 1923, 8: 83-9.—**Martin, D. W., & Arena, J. M.** Relationship of race to the incidence of diphtheria and of positive Schick, tuberculin and Wassermann tests in hospitalized children. *North Carolina M. J.*, 1941, 2: 348.—**Masson, G., & Selye, H.** Réaction générale d'adaptation; ses indications pratiques. *Canad. J. Comp. M.*, 1938, 2: 282-5.—**Mills, C. A., & Schmidt, L. H.** Environmental temperatures and resistance to infection. *Am. J. Trop. M.*, 1942, 22: 655-60.—**Monaco, B.** Resistenza alle intossicazioni malariche in animali sottoposti a variazioni di pressione barica; breve ripetuto esposizioni a pressione di 330 mm. Hg. 6.500 m.; tossi difterica, tetanica e dissenterica. *Shiga. Riv. med. aeronaut.*, 1939, 2: 143-53.—**Müller, E. F.** Ueber Wesen und Bedeutung der körperlichen Abwehrkräfte bei der Infektion und ihre therapeutische Verwertung. *Med. Welt*, 1932, 6: 1489; 1933.—**Natvig, H.** Die Bedeutung der Vitamine für die Resistenz des Organismus gegen bakterielle Infektionen. *Vet. Bull., Lond.*, 1942, 12: 548 (Abstr.) Also *Zschr. Vitaminforsch.*, Bern, 1942, 12: 287 (Abstr.)—**Neufeld, F., & Etlinger-Tulczynska, R.** Experimentelle Untersuchungen über die zeitlichen Schwankungen der natürlichen Empfänglichkeit für Infektionen. *Zschr. Hyg.*, 1933, 115: 573-93.—**Nisikawa, N.** The effect of cooling the body on the infection of *Streptococcus hemolyticus* (1) scarlatinosus and *Diplococcus pneumoniae*. *J. Orient. M.*, Dairen, 1935, 22: 7.—**Nutrition and resistance to infection.** *J. Am. M. Ass.*, 1934, 103: 994.—**Perla, D.** Role of vitamin B in resistance. *Arch. Path., Chic.*, 1938, 25: 539; 694.—**Pfannenstiel, W.** Die Bedeutung der Vitamine für die Infektionsabwehr. *Med. Welt*, 1937, 11: 231-5.—**Popoviciu, G.** [Carbohydrates and avitaminosis in relation to resistance in infections] *Cluj. med.*, 1934, 15: 401-3.—**Ragland, D. C.** Relationship of colonic fermentation to calcium metabolism and susceptibility to infection. *Med. World*, 1936, 54: 712-4.—**Rasmussen, A. F., jr.** **Waismann, H. A.** [et al.] Influence of thiamin and riboflavin deficiencies on resistance to Theiler's virus and to Lausung strain poliomyelitis in mice. *J. Bact., Balt.*, 1943, 45: 85 (Abstr.)—**Reiter, H.** Lipoidnahrung und Infektion. *Klin. Wschr.*, 1928, 7: 589.—**Einfluss der Ernährung auf Infektionsempfänglichkeit und Infektionsverlauf, verglichen mit der Wirkung artspezifischer stummer Infektion.** *Zschr. Immunforsch.*, 1929, 61: 433-41.—**Studien über absolute und relative Disposition gegenüber bestimmten Infektionen.** *Klin. Wschr.*, 1929, 8: 1158-65.—**Riddle, J. W., Spies, T. D., & Hudson, N. P.** A note on the interrelationship of deficiency diseases and resistance to infection. *Proc. Soc. Exp. Biol.*, N. Y., 1940, 45: 361-4.—**Robertson, E. C., & Weld, C. B.** Relation of humidity to resistance to infection in rachitic rats. *Ibid.*, 1932, 30: 33-5.—**Rudder, B. de.** Infektionsanfälligkeit und Konstitution. *Gesundh. & Erzieh.*, 1934, 47: 312-8.—**Safford, V.** Nature's way; resistance to disease. *Mil. Surgeon*, 1942, 90: 630-6.—**Sako, W. S.** Resistance to infection as affected by variations in the proportions of protein, fat, and carbohydrate in the diet; an experimental study. *J. Pediatr.*, S. Louis, 1942, 20: 475-83.—**Samberger, F.** Die somatische Resistenz. *Ther. Gegenwart*, 1941, 82: 149-55.—**Saslaw, S., Woolpert, O. C., & Schwab, J. L.** Clinical and immunologic response of normal and nutritionally-deficient monkeys to intranasal inoculations with *Streptococcus hemolyticus* and influenza virus. *J. Bact., Balt.*, 1943, 45: 82 (Abstr.)—**Schiff, F.** Person and Infekt. In *Biol. d. Person* (Brugsch & Lewy) Berl., 1926, 1: 595-748.—**Schütze, H., Gorer, P. A., & Finlayson, M. H.** The resistance of 4 mouse lines to bacterial infection. *J. Hyg., Camb.*, 1936, 36: 37-49.—**Schwartz, K.** Biologische Infektabwehr im Kindesalter. *Med. Klin., Berl.*, 1941, 37: 322-5.—**Shambaugh, P.** Post-operative wound infection; an evaluation of factors concerned with resistance of the tissues to infection. *Proc. Inst. M. Chicago*, 1940-41, 13: 311.—**Smith, F.** Allergy and resistance to infection. *Am. J. M. Sc.*, 1941, 202: 447-56.—**Sprunt, D. H.** The part played by age and the female sex hormones in resistance to infection. *Endocrinology*, 1939, 25: 625-8.—**McDearman, S.** Studies on the relationship of sex hormones to infection; a quantitative study of the increased resistance to vaccinal infection produced by the estrogenic hormone and pseudopregnancy. *J. Immun.*, Balt., 1940, 38: 81-95.—**Stammeler, M.** Infektion und Abwehr vom Standpunkt des Morphologen. *Zbl. Chir.*, 1937, 64: 1776.—**Tasiro, K.** Experimental studies on the susceptibility of rats fed with vitamin B deficient food to the paratyphoid infection; II. report. *Bull. Nav. M. Ass.*, Tokyo, 1940, 29: 44.—**Thoenes, F.** Ernährung und Infektionsresistenz. *Jahrbuch. ärztl. Fortbild.*, 1937, 28: H. 6, 1-31.—**Thomson, S.** Glazebrook, A. J., & Green, C. A. Schick and Dick reactions in different classes of the community. *J. Hyg., Lond.*, 1940, 40: 115-21.—**Topley, W. W. C.** Quantitative experiments in the study of infection and resistance. *J. State M. Lond.*, 1927, 35: 2-24.—**Torrance, C. C.** The relationship between vitamin C metabolism and susceptibility to bacterial toxins. *Annual Rep. Div. Lab. N. York State Dep. Health*, 1939, 27-9.—**Turpin, R.** De l'influence des qualités héréditaires sur la sensibilité des animaux à l'égard des maladies infectieuses. *Rev. immun.*, Par., 1936, 2: 54-95.—**Watson, M.** Studies on the influence of diet on resistance to infection; the effect of various diets on the fertility, growth, survival and resistance to bacterial infection of mice. *J. Hyg., Lond.*, 1937, 37: 396-444.—**Webster, L. T.** Inborn resistance to infectious disease. *Se. Month.*, 1939, 48: 69-72.—**Weitzenberg, R.** Experimenteller Beitrag zur Bedeutung und über das Verhalten des Vitamin C bei bakteriellen Infektionen. *Arch. wiss. prakt. Tierh.*, 1938, 73: 188-204.—**Wherry, W. B.** Tissue hydration and its relation to susceptibility and immunity as shown by skin tests in asthma, chronic sinusitis and other infections. *J. Infect. Dis.*, 1927, 41: 177-89.—**Wilson, H. E., Saslaw, S.** [et al.] Nutritional deficiency and resistance to infection in monkeys. *Proc. Centr. Soc. Clin. Res.*, 1942, 15: 21.—**Woringer, P.** Carence solaire et infection. *Rev. fr. pédiat.*, 1926, 2: 161-224.—**Zironi, A.** Sull'aumento specifico di ricettività alle infezioni. *Att. Soc. lombard. sc. med.*, 1924, 13: 438. *Boll. Sez. ital. Soc. internaz. microb.*, 1931, 3: 93-151. *Sull'ipercettività specifica alle infezioni. Studium, Nap.*, 1931, 21: 235-49. Ancora sull'ipercettività specifica alle infezioni; riprove e conferme. *Boll. Ist. sieroter. milan.*, 1937, 16: 565-81.

— Source and spread.

See also Communicable disease, Transmission; Epidemic, Source; Infection, Vector and reservoir, etc.

BRULIN, P. *Contribution à l'étude du mécanisme de la contagion par l'air et l'eau. 145p. 8° Par., 1931.

FEKETE, I. *Ueber das Vorkommen von Bakterien an Gebrauchsgegenständen des täglichen Lebens [Leipzig] 16p. 8° Zeulenroda, 1933.

GAREZ, R. *Du rôle des excreta dans la propagation des maladies infectieuses des animaux [Alfort] 55p. 8° Saumur, 1933.

Abt, I. A. How contagious diseases are spread. *Med. Surg. Suggestions*, Madras, 1940, 9: 99-106.—**Aeroplanes as carriers of infectious disease.** *Lancet*, Lond., 1934, 2: 553.—**Alexander, A.** Zur Infektionsquellenforschung. *Münch. med. Wschr.*, 1929, 76: 415-7.—**Arnold, M. L. H.** Bacteriological study of school utensils. *Pedag. Semin.*, Worcester, 1898-99, 6: 382-5.—**Bierring, W.** Water- and food-borne outbreaks. *U. S. A.*, 1940. *J. Iowa M. Soc.*, 1942, 32: 28.—**Brown, H. C.** The clinical thermometer as a carrier of infection. *Lancet*, Lond., 1924, 2: 406.—**Cameron, J. J.** The source of infection. *Pub. Health J., Toronto*, 1922, 13: 543-6.—**Cherkinsky, S. N.** [Sanitary-technical factors in the epidemiology of water-borne infections] *Gig. & zdorov.*, 1942, 7: No. 8, 8-13.—**Communicable diseases; transmissible by oral and nasal discharges.** *U. S. Nav. M. Bull.*, 1939, 37: 699-701.—**Dudley, S. F.** Some fundamental factors concerned in the spread of infectious disease. *J. State M. Lond.*, 1925, 33: 79-90.—**Garrod, L. P.** The spread of infection. *Nurs. Times*, Lond., 1942, 38: 740.—**Greenwood, D.** Droplet infection; some theoretical considerations. *J. Hyg., Camb.*, 1934, 34: 1-9.—**Griswold, M.** Sources of infection. *Wisconsin M. J.*, 1924-25, 23: 507-10.—**Lockemann, G., & Ulrich, W.** Ein Vorschlag zur Schutzmaßnahme gegen bakterielle Ansteckung durch den Mund. *Zbl. Bakt.*, 1. Abt., 1936, 136: 284-9.—**McKendrick, A. G.** The dynamics of crowd infection. *Edinburgh M. J.*, 1940, 47: 117-36.—**Monjarás, J. E.** Papel de los agentes físicos en la propagación de las enfermedades transmisibles. *Mem. Congr. méd. panam.* (1896) 1898, 2. Congr., 2: 820-3.—**Remlinger, P., & Bailly, J.** Les microbes des cartes à jouer dans les cafés maures. *Rev. hyg., Par.*, 1934, 56: 594-8.—**Rezende, C. de.** Some ideas and comments on the origin and transmission of the infectious diseases. *Pacific Coast J. Homeop.*, 1940, 51: 389-401.—**Rhodes, E. C.** Notes on the spread of bacterial infection. *J. Hyg., Camb.*, 1923-24, 22: 6-11.—**Smith, H. G.** Changing views as to the spread of infection. *J. R. Inst. Pub. Health*, 1937-38, 1: 781-9. Also *Nat. Health Rev.*, Ottawa, 1938, 6: 93.—**Stallybrass, C. O.** Changing views as to the spread of infection. *J. R. Inst. Pub. Health*, 1937-38, 1: 769-80.—**Stiles, C. W.** Some of the factors influencing the spread of disease. *Rev. med. trop. parasit.*, Habana, 1939, 5: 115-8.—**Thompson, T. O.** Saliva-borne disease control; crockery disinfection. *J. R. Army M. Corps*, 1932, 58: 136-9.—**Topley, W. W. C.** The spread of bacterial infection; some characteristics of the pre-epidemic phase, and of subsequent re-aggrega-

tion. *J. Hyg., Cambr.*, 1922-23, 21: 10-32. — **Ayrton, J., & Lewis, E. R.** The spread of bacterial infection; further studies on an experimental epidemic of mouse-typhoid. *Ibid.*, 1924-25, 23: 223-9. — **Winfield, G. F.** Studies on the control of fecal-borne diseases in North China; problems and methods. *Chin. M. J.*, 1930, 51: 217-36.

— Source and spread: Air-borne and droplet infection.

DUDLEY, S. F. The spread of droplet infection in semi-isolated communities. 61p. 8°. Lond., 1926.

Baker, A. H., Finn, S. R., & Twort, C. C. The use of hypochlorites for aerial disinfection. *J. Hyg., Lond.*, 1940, 40: 560-82. — **Bryant, W. S.** Air-borne infections, their mode of entrance; preventive, abortive, and ameliorative treatment. *Med. Rec., N. Y.*, 1908, 73: 816-9. — **Chope, H. D., & Smillie, W. G.** Air borne infection. *J. Indust. Hyg.*, 1936, 18: 780-92. Also in *Environment &c. (Harvard Univ.)* Bost., 1937, 32-44. — **Cruikshank, R.** Air-borne infection and its prevention. *Pub. Health, Lond.*, 1939-40, 53: 254. — **D.** Ein Tonfilm von der Tröpfcheninfektion. *Med. Klin., Berl.*, 1940, 36: 367 (microfilm). — **Del Mundo, F., & McKhann, C. F.** Effect of ultraviolet irradiation of air on incidence of infections in an infants' hospital. *Am. J. Dis. Child.*, 1941, 61: 213-25. — **Eberts, V., & Skrotsky, A. I.** [Peculiarities of airborne infections in children] *Sov. pediat.*, 1936, No. 8, 26; No. 9, 45; No. 10, 19. — **Fox, M. J., & Erbes, J.** Air-borne bacteria in an isolation hospital. *Marquette M. Rev.*, 1941-42, 6: 67-9. — **Henle, W., Sommer, H. E., & Stokes, J., jr.** Studies in the prevention of air-borne infection. *J. Bact., Balt.*, 1942, 44: 142. — **Hollaender, A., & Dalla Valle, J. M.** A simple device for sampling air-borne bacteria. *Pub. Health Rep., Wash.*, 1939, 54: 574-7. — **Infection of air by sneezing.** *Pub. Health News, Trenton*, 1940, 24: 113. — **Jennison, M. W.** The origin of droplet and air-borne infections, as shown by high-speed photography. *J. Bact., Balt.*, 1941, 42: 817. — **Edgerton, H. E.** Droplet infection of air; high-speed photography of droplet production by sneezing. *Proc. Soc. Exp. Biol., N. Y.*, 1940, 43: 455-8. — **Lange, B.** Die Infektion auf dem Luftwege durch Tröpfchen und durch Staub. *Erg. Hyg. Bakt.*, 1928, 9: 237-94. — **McKhann, C. F.** Prevention of spread of air-borne infections. *Univ. Hosp. Bull., Ann Arb.*, 1940, 6: 76. — **Mackie, T. J.** The problem of air-borne infection. *Edinburgh M. J.*, 1942, 49: 607-27. — **Major, C. P., & Wilder, T. S.** Air-borne infection and air sterilization; a discussion of preliminary work. *Tr. Am. Hosp. Ass.*, 1937, 39: 590-600. — **Middleton, D. S., & Gilliland, I. C.** Prevention of droplet-borne infections by spray; a field experiment. *Lancet, Lond.*, 1941, 2: 598. — **Moffat, H. A.** Dust infection in wards. *Brit. M. J.*, 1941, 2: 496. — **Olsen, O., & Strauss, W.** Untersuchungen zur Frage der Tröpfchenverbreitung mittels des d'Herelle'schen Lysats. *Zschr. Hyg.*, 1925-26, 105: 552-9. — **Peirce, E. R.** The control of sea- and airborne disease. *J. R. San. Inst.*, 1943, 63: 8-15. — **Rooks, R.** Air-borne infection. *J. Iowa M. Soc.*, 1941, 31: 100-4. — **Thomas, J. C., & Van den Ende, M.** The reduction of dust-borne bacteria in the air of hospital wards by liquid paraffin treatment of bedclothes. *Brit. M. J.*, 1941, 1: 953-8. — **Van den Ende, M., Lush, D., & Edward, D. G.** Reduction of dust-borne bacteria by treating floors. *Lancet, Lond.*, 1940, 2: 133. — **Walters, W., & Magath, T. B.** Operative and post-operative infections with special reference to air-borne bacterial contamination. *Ann. Surg.*, 1940, 112: 271-9. — **Weaver, G. H.** Droplet infection and its prevention by the face mask. *J. Infect. Dis.*, 1919, 24: 218-30. — **Wells, M. W., & Wilder, T. S.** Epidemiologic study of selected aggregations breathing irradiated air. *Am. J. Dis. Child.*, 1940, 60: 759. — **Wells, W. F.** Air-borne infections. *Mod. Hosp.*, 1938, 51: 66-9. — An apparatus for the study of experimental air-borne disease. *Science*, 1940, 91: 172-4. — **Stokes, J., jr.** Bactericidal irradiation of air breathed by selected aggregations. *Am. J. Dis. Child.*, 1940, 60: 758. — **Wells, W. F., & Wells, M. W.** Air-borne infection; sanitary control. *J. Am. M. Ass.*, 1936, 107: 1805-9. Also in *Environment &c. (Harvard Univ.)* Bost., 1937, 45-67. — Air-borne infection as a basis for a theory of contagion. *Pub. Am. Ass. Advance. Sc.*, 1942, No. 17, 99-101. — **Wells, W. F., Wells, M. W.** [et al.] Air-borne infection and experimental air-borne disease. *Ibid.*, 284-9. — **Mudd, S.** Infection of air; bacteriologic and epidemiologic factors. *Am. J. Pub. Health*, 1939, 29: 863-80, pl. — **Weyrauch, F.** Photographien zur Tröpfcheninfektion. *Munch. med. Wschr.*, 1939, 86: 1684. — **Rzymkowski, J.** Photographien zur Tröpfcheninfektion. *Zschr. Hyg.*, 1937-38, 120: 444-9. — Nuevas fotografías de la infección por gotitas; aplicaciones al acuatelamiento en masa de las tropas. *Rev. san. mil., B. Air.*, 1941, 40: 994-7.

— Vector and reservoir.

See also **Animals, Diseases: Relation to public health**; also names of vectors of infection as **Anopheles**; **Anophelinae**; **Insecta**, etc.

ZINSSER, H. Rats, lice, and history. 301p. 19½cm. Lond. [1942]

Basile, C. Studi di biologia nelle infezioni ad ospite trasmittore, per medici e laureandi in medicina. *Arch. ital. sc.*

med. col., 1927, 8: 55; 123; 233; 299. — **Brumpt, E.** [Factors, that effect transmission of infectious diseases by means of hematophagous arthropoda]. *Med. parazit., Moskva*, 1937, 6: 304-14. — **Day, A. M., & Shillinger, J. E.** Predators and rodents are factors in the spread of disease. *Yearb. U. S. Dep. Agr.*, 1935, 284-6. — **De Kock, G.** Wild animals as carriers of infection. *S. Afr. M. J.*, 1938, 12: 725-30. — **Griswold, M.** Vectors of infections; how spread and how controlled. *Nation's Health, Chic.*, 1925, 7: 460-2. — **Hinman, E. H.** Hereditary transmission of infections through arthropods. *Am. J. Trop. M.*, 1933, 13: 415-23. — **Hoffmann, W. H.** La incubación extrínseca, propiedad de Finlay. *Rev. med. trop. parasit.*, Habana, 1940, 6: 157-66. — **Iturbe, J. F.** Vertebrate hosts of *Schistosoma mansoni* and *Paragonimus kellicotti* in the valley of Caracas and in other parts of Venezuela. *Proc. Am. Sec. Congr. (1940) 1942, 8. Congr.*, 6: 371-82. — **Lárinéz, F.** [Insects as carriers of infectious diseases] *Gyógyászat*, 1938, 78: 277; 296. — **Matheson, R.** Control of insect vectors and rodent carriers. In *Prevent. Med. Modern Pract. (J. A. Miller) N. Y.*, 1942, 625-43. — **Mohler, J. R.** Dangerous microbial immigrants. *J. Am. Vet. M. Ass.*, 1925-26, 67: 764-72. — **Nattan-Larrier, L.** Le rôle des réservoirs du virus et des porteurs de germes dans la pathologie exotique. *Rev. prat. mal. pays chauds*, 1922, 1: 57-71. — **Nicolle, C.** Forma de transmisión del tífus exantemático y de la fiebre recurrente. *Prensa méd. argent.*, 1925-26, 12: 568. — **Skinner, G. A.** Insects, ticks, and worms in human medicine. *Clin. Med.*, 1942, 49: 327; 372. — **Unti, O.** Informes sobre parasitas de cães e ratos da cidade de Curitiba, Est. Parana. *Rev. biol.*, S. Paulo, 1939-40, 10: 109-11.

INFECTION, focal.

See also **Infection, latent**; also names of foci of infection as **Gallbladder**; **Middle ear**; **Mouth**; **Nasal sinus**; **Prostate**; **Tonsil**; **Tooth**.

GIROD, P. *Contribution à l'étude des infections focales [Paris] 36p. 8°. Pontarlier, 1931.

GOLDENBERG, M. D. *Focal infection [Milwaukee Co. Hosp.] 24 l. 4°. Wauwatosa, Wis., 1929.

GORDING, R., & BJØRN-HANSEN, H. Fokalinfektion. 186p. 8°. Oslo, 1933.

KOPELOFF, N. Why infections? in teeth, tonsils and other organs. 182p. 8°. N. Y., 1926.

RÖMER [K.] H. *Studien über die Herdinfektion an Material der Medizinischen Universitätsklinik zu Jena [Jena] 35p. 23cm. Lpz., 1938.

THIEL, A. *Welche Schlussfolgerungen sind aus den Veröffentlichungen der Jahre 1931 bis 1934 über die fokale Infektion zu ziehen? 27p. 22½cm. Greifswald, 1937.

Anderson, H. B. Chronic focal infection of the mouth and tonsils in relation to life insurance. *Abstr. Proc. Ass. Life Insur. M. Dir. America*, 1922-23, 9: [Discussion] 144-60. — **Barnhill, J. F.** Focal infection. In *Cycloped. Med. (Piersol-Bortz) Phila.*, 1939, 6: 328-45. — **Behrenroth, E.** Ueber fokale Infektion. *Med. Welt*, 1935, 9: 1002-5. — **Bence, G.** [Clinics of focal infection] *Orvosképzés*, 1935, 25: 651-64. — **Bierring, W. L.** Focal infection; quarter century survey. *J. Am. M. Ass.*, 1938, 111: 1623-7. Also *Diplomate*, 1939, 11: 1-9. — **Bove, A. M.** [Focal infection] *Mosk. med. J.*, 1929, 9: 85-9. — **Bradshaw, W. M.** Focal infections in relation to life insurance. *Abstr. Proc. Ass. Life Insur. M. Dir. America*, 1920-21, 7: [Discussion] 222-43. — **Brandt, T.** [Focal infection] *Ugeskr. læger*, 1931, 93: 73; 103. — **Bryan, A. W.** The problem of focal infection. *Am. Dent. Surgeon*, 1925-26, 46: 615-9. — **Bumpus, H. C., jr.** Medical and dental aspects of focal infection. *N. England J. M.*, 1929, 201: 1229-33. — **Cecil, R. L.** Focal infection; some modern aspects. *California West. M.*, 1934, 40: 397-402. — The rise and fall of focal infection. *Proc. Interst. Postgrad. M. Ass. N. America (1941) 1942*, 301-4. — **Cooke, W. E.** Focal sepsis. *Brit. Dent. J.*, 1926, 47: 1316-9. — **Curtis, A. C.** Focal infection. In *Am. Textb. Oper. Dent. (Ward, M. L.) Phila.*, 7. ed., 1940, 751-72. — **Daniel, P.** An address on diseases of the orifices of the body with remarks on latency in disease and overlooked infections. *Brit. M. J.*, 1910, 1: 121-5. — **Deaver, J. B.** Focal infection. *Proc. Interst. Postgrad. M. Ass. N. America (1927) 1928*, 3: 449-53. — **Delbanco, E.** Zur Geschichte der fokalen Infektion. *Derm. Wschr.*, 1929, 89: 2014-9. — **Dordi, A.** Su due casi d'infezione focale nell'infanzia. *Pediat. med. prat., Tor.*, 1937, 12: 207-12. — **Dowling, J. I.** Focal infections. *Clin. M. & S.*, 1936, 43: 326-8. — **Drueck, C. J.** Focal infection. *Med. Times, N. Y.*, 1934, 62: 384-402. — **Dunlap, E.** Focal infection. *Texas J. M.*, 1934, 29: 589-93. — **Dunn, A. D.** Some principles and experiences in the application of the conception of focal infection to medical practice. *Tr. Am. Lar. Rhin. Otol. Soc.*, 1927, 33: 583-92. — **Eason, S. E.** Focal infection. *N. Orleans M. & S. J.*, 1925-26, 78: 490-3. — **Farris, H. A.** Focal infection,

- Dominion Dent. J., 1926, 38: 29-35.—Focal infection. Clin. Rev. Pittsburgh, 1934-35, 3: 33-44. Also Med. Off., Lond., 1939, 61: 183.—Frugoni, C. La clinica delle infezioni focali. In Attual. ter. med., Milano, 1937, 1: 236-55.—Gins, H. A. Fokale Infektion. Verh. Berl. med. Ges. (1935) 1936, 66: 237-45. — & Wassmund, M. Fokale Infektion. Deut. med. Wschr., 1935, 61: 1503-7.—Graham, D. Focal infection. Canad. M. Ass. J., 1931, 25: 422-4.—Grossman, M. [Observations on focal infection] Liječ. vjes., 1940, 62: 527-9.—Grumbach, A. Herdinfektion. Klin. Wschr., 1933, 12: 409-13.—Gutzeit, K., & Parade, G. W. Fokalinfektion. Erg. inn. Med. Kinderh., 1939, 57: 613-722.—Hasskari, R. A. Foca infections. Med. Rec., Houston, 1926, 20: 103-7.—Hoge, S. F. Focal infection. J. Arkansas M. Soc., 1926-27, 23: 88-92.—Holst, J. J., & Heiberg, S. Focal infection. Nord. med., 1941, 12: 3161-4 (microfilm).—Horder, Foreword to the symposium on focal sepsis. Postgrad. M. J., Lond., 1940, 16: 23-5.—Kellaway, C. H. Focal infection. Melbourne Hosp. Clin. Rep., 1930, 1: 9-20.—Kerl, W. Ueber fokale Infektion. Derm. Wschr., 1932, 95: 1254.—Lewuhen, H. C. v. [Focal infection] Geneesk. tschr. Ned. Indië, 1939, 79: 112.—Lehmann, W. [Focal infection] Geneesk. gids, 1939, 17: 44-6.—Lukomsky, I. G. [On focal infection] Klin. med., Moskva, 1938, 16: 767-75.—Lusena, M. Studi ed esperienze sulle infezioni focali. Policlinico, 1933, 40: sez. prat., 292-304. — Le infezioni focali. Rass. internaz. clin. ter., 1934, 15: 1130-48.— & Chini, V. Le infezioni focali. Riforma med., 1933, 49: 1533-5. Also Studium, Nap., 1934, 24: 4-6.—McCluskie, J. A. W. Focal sepsis. Tr. R. Med. Chir. Soc. Glasgow, 1937, 31: 13-7.—McCormack, D. W. Whose responsibility? J. Med., Cincin., 1941-42, 22: 555-63.—Mackenzie, G. W. Chronic focal infection and what it should mean to the homeopathic physician. Hahnenman. Month., 1934, 69: 606-13.—Malone, J. Y. Medical and dental aspects of focal infection. Wisconsin M. J., 1929, 28: 458-60.—Mayo, C. H. Focal infection. Proc. Interst. Postgrad. M. Ass. N. America (1927) 1928, 3: 435-41.—Mela, B. Infezione focale. Stomatologia, Mod., 1934, 32: 411; 469; 575; 702.—Miller, F. P. Focal infection, a major subject for study. Texas J. M., 1929-30, 25: 81-3.—Mitchell, A. G. Focal infection in children. Atlantic M. J., 1926-27, 30: 481-8.—Moss, T. C. Focal infection. Memphis M. J., 1942, 17: 154-7.—Paul, J. R. Focal infection. Connecticut M. J., 1940, 4: 198.—Paulus. Das Thema der Herdinfektion auf dem 51. Kongress für innere Medizin in Wiesbaden vom 27. bis 30. März 1939. Vertrauensarzt, 1939, 7: 133.—Pern, S. The part played by focal infections in medicine today. Med. J. Australia, 1934, 2: 531-8.—Focal infection. Ibid., 1942, 2: 390.—Postma, C. [Chronic focal infection] Ned. tschr. geneesk., 1937, 81: 3503.—Precht, E. Fokale Infektion. Deut. med. Wschr., 1927, 53: 1131-3; 1928, 55: 1035-7.—Racine, W. L'infektion focale. Praxis, Bern, 1942, 31: 60-4.—Read, H. L. Some remarks on focal infection, with report of an interesting case. Am. Med., 1926, 21: 516-8.—Rietschel, H., Bieling, R. [et al.] Ueber Herdinfektion. Kinderärztl. Prax., 1931, 2: 75; 174.—Rozenald, H. M. [Focal infection] Ned. tschr. geneesk., 1933, 77: 1210-20.—Schreiber, L. J. The question of focal infection. Health Shoe Digest, 1936, 1, 9: 24-6; 31.—Sigmund, F. W. Focal infections. Pacific Coast J. Homoeop., 1936, 47: 166-73.—Slombuc, C. H., Binger, M. W. [et al.] Focal infection. J. Am. M. Ass., 1941, 117: 2161-4.—Solis-Cohen, M. Focal infection and foci of infection. Med. World, 1938, 56: 357-9.—Solomon, L. L. Focal infections. Cincinnati M. J., 1926-27, 7: 331-5.—Stütz, E. W. Pediatricist's study of focal infection in children. Pennsylvania M. J., 1932, 35: 395-7.—Teopaco, R. L. Focus of infection. Month. Bull. Bur. Health, Manila, 1938, 18: 3-13.—Tixi, G. L'infezione focale. Igien. mod., 1934, 27: 101-6.—Trinca, F. Focal infection. Med. J. Australia, 1942, 2: 280.—Warvel, J. H. Focal infection. Med. Insur., 1925-26, 41: 501-5.—Wassmund, M. Ueber fokale Infektion. Verh. Berl. med. Ges. (1935) 1936, 66: 246-8.—Webster, A. E. Focal infection. Dominion Dent. J., 1926, 38: 286-9.—Wild, H. Herdinfektion. Schweiz. Mschr. Zahn., 1942, 52: 431-3.—Wiltzie, J. W. Chronic focal infection. Arch. Phys. Ther., 1934, 15: 210-3.—Woods, A. C. Focal infections. Virginia M. Month., 1942, 69: 652-68.—Woolsey, R. A. Focal infections. Internat. J. M. & S., 1932, 45: 384.—Wright, A. J. M. Focal infection. Bristol Med. Chir. J., 1934, 51: 109-16.—Younger, L. L. Some observations on focal infection. Minnesota M., 1937, 20: 101-4.—Zironi, A. Sulle infezioni focali. Boll. Ist. sieroter. milan., 1941, 20: 100.
- **Complication.**
- See also under names of various diseases as Arthritis; Eye, Disease; Causes; Heart disease, etc.; also Allergy; Pyemia; Sepsis.
- HANDSCHUH, R. *Die fokale Infektion als Ursache von Allgemein-Erkrankungen. 44p. 8°. Bresl., 1931.
- LONGPRETZ, A. L. M. *Microbisme latent et autotoxiinfection; leur rôle dans la pathogénie des neurasthénies, psychonévroses et maladies organiques du système nerveux particulièrement celles dues à un choc physique ou moral. 132p. 8°. Nancy, 1905.
- RIKL, R. *Anamnestiche und klinische Studien über die Manifestation von schweren fokaltoxischen Krankheitsbildern. 23p. 8°. Bonn, 1939.
- Auld, J. W. Focal infection in relation to systemic disease. Canad. M. Ass. J., 1927, 17: 294-7.—Batizfalvy-Batisweiler, J. Die Rolle der Fokalinfektionen in der Geburtshilfe und Gynäkologie. Zschr. Geburtsh. Gyn., 1936, 112: 375-416.—Billings, F. Focal infection as the cause of general disease. Bull. N. York Acad. M., 1930, 2. ser., 6: 759-73.—Bivings, L. Foci of infection in allergic reactions of children: their relative unimportance. J. M. Ass. Georgia, 1934, 23: 333-5.—Björn-Hansen, H. Fokalinfektion. Acta otolar., Stockh., 1934, 20: 559-68.—Bockoven, S. Foci of infection in infectious arthritis. U. S. Veterans Bur. M. Bull., 1928, 4: 524.—Bohan, P. T. The relation of chronic infections to systemic disease. Kansas City M. J., 1939, 15: No. 12, 7-11.—Brandenburg, K. Fokalinfektion und ihre Folgekrankheiten. Med. Klin., Berl., 1940, 36: 598 (microfilm).—Broderick, F. W. Focal infection as a factor in disease. Am. Dent. Surgeon, 1925-26, 46: 749-57.—Buchanan, G. The significance of focal infection in practice. S. Afr. M. J., 1934, 8: 177-80.—Bud, G. Bemerkungen zur Arbeit von Dr. Johann Batisfalvy-Batisweiler: Die Rolle der Fokalinfektionen. Zschr. Geburtsh. Gyn., 1936-37, 114: 93-5.—Burman, C. E. L. The significance of septic foci in general practice. S. Afr. M. J., 1933, 7: 243-8.—Butler, E. J. Focal infection from an oto-laryngological viewpoint. Apollonian, Bost., 1937, 12: 52-7.—Canfield, R. B. Focal infections in medical diseases. Ann. Clin. M., 1925-26, 4: 1058-67.—Coates, G. M. Symposium on focal infection in childhood: focal infection in early childhood; as seen by the otolaryngologist. Pennsylvania M. J., 1932, 35: 389-92.—Cross, G. K. Focal infection and its effect on the general system. J. M. Ass. S. Africa, 1927, 1: 243-5.—Davis, E. D. D. The influence of naso-oral sepsis on the lungs and gastrointestinal tract. J. Laryng., Lond., 1928, 43: 465-77.—Delbance, E. [Focal infection and its importance in dermatology and venereology] Cesk. derm., 1931, 12: 69-80.—Doran, F. J. Justification for relation of focal infection to systemic disease. Ohio M. J., 1941, 37: 440-2.—Dube, J. E., & Choquette, P. Infections focales et troubles gastriques. Union méd. Canada, 1927, 56: 38-43.—Duffy, J. J. The relation of focal infection to systemic disease. Nebraska M. J., 1927, 12: 7-13.—Eeman, F. G. Au sujet de l'importance de l'infection focale. Rev. belge sc. méd., 1933, 5: 714-7.—Evans, J. D. The otolaryngological aspect of parenteral infections. Memphis M. J., 1936, 11: No. 3, 11-3.—Evans, J. J. Peripheral reflexes in disease. Lancet, Lond., 1933, 2: 1474-8.—Faught, F. A. Focal infection in its relation to medical problems; its uses and abuses. Am. J. M. Sc., 1926, 172: 718-25. — Multiple focal infection and a complete medical survey in relation thereto. Atlantic M. J., 1926-27, 30: 632.—Galland, W. I. Focal infection from an orthopedic point of view. Dent. Cosmos, 1935, 77: 894-900.—Garvin, J. D. Relation of focal infection to gastro-intestinal diseases. Pennsylvania M. J., 1929-30, 33: 616-9.—Gaudet, L. S. Focal infections from the ophthalmologists' and otolaryngologists' view. N. Orleans M. & S. J., 1926-27, 79: 653-6.—Grahe, K. Zur Klinik der Herdinfektion im Bereiche der oberen Luft- und Speisewege. Deut. Zahn & Heilk., 1936, 3: 265-73.—Gusié, B. Die Herdinfektion in der Otorhinolaryngologie. Ann. paediat., Basel, 1940-41, 156: 53 (Abstr.) (microfilm).—Guszich, A. Beiträge zur chirurgischen Bedeutung der fokalen Infektion. Beitr. klin. Chir., 1935, 162: 456-63.—Hale, G. C. Focal infection and its relation to disease. Canad. M. Ass. J., 1931, 24: 407; 537.—Harkavy, J. Focal infections and bacterial allergy in asthma and arthritis. Contrib. M. Sc. Libman Annivers. Vol., 1932, 2: 551-9.—Haven, W. K. Relationship between infection of the eye, sinuses, tonsils and prostate. Nicotlet Clin. Bull., 1940, 1: 41.—Hawkins, H. F. Focal infection and hypertension; case reports. Dallas M. J., 1928, 14: 66.—Infezioni focali in dermatologia e venerologia. Atti Soc. ital. derm. sigf., 1938, 1: 8-269.—Irwin, G. G. Focal infection as an etiological factor in urological conditions. West Virginia M. J., 1926, 22: 646-8.—Itzkin, S. Die akute Herdinfektion, insbesondere die dentale in der Geburtshilfe. Mschr. Geburtsh. Gyn., 1932, 92: 68.—Jelks, J. L. Role of focal infection in the causation of gastro-intestinal disease. South. M. J., 1927, 20: 158-61.—Jenkins, W. A. Focal infections from the standpoint of the internist. J. Am. Dent. Ass., 1926, 13: 1298-304.—Kémeri, D. [Focal infection in dermatology] Orv. hetil., 1932, 76: [mell.] 54. — Pyogenic focus, a general causal factor in dermatology. Deliber. Congr. derm. internat. (1935) 1935-37, 9. Congr., 1: 684-8 [Discussion] 2: 505.—Király, J. [Surgical importance of focal infection] Gyógyászat, 1934, 74: 132-5.—Knott, F. A. Advances in the pathological investigation of conditions due to focal sepsis. Med. Press & Circ., Lond., 1939, 201: Suppl., 16-21.—Krimsky, E. The role of focal infection in systemic disease. Dent. Cosmos, 1936, 78: 1068-71.—Kuykendall, L. C. Focal infection. J. Oklahoma M. Ass., 1926, 19: 35-8.—Lintz, W. Focal infection in dentistry and its relation to general medicine. Dent. Cosmos, 1942, 64: 1079-86.—Lourie, O. R. Abuse of the theory of focal infection. Arch. Ophth., Chic., 1932, 8: 24-30.—Lyman, H. W. Otolaryngologic phase of focal infections. Ann. Otol. Rhinol., 1927, 36: 903-12.—McGinnis, E. Focal infection: clinical application. Tr. Am. Laryng. Ass., 1932, 38: 16-23.—Mackenzie, G. W. Chronic

focal infection. *Eye Ear & c. Month.*, 1942-43, 21: 139-46.—**Marriott, McK.** The remote results of certain focal infections occurring during infancy and childhood. *South. M. J.*, 1926, 19: 157-60. — The relationship of certain focal infections to general disease in infants and young children. *Ann. Int. M.*, 1927, 1: 1-8.—**Mendonça Castro.** O perigo da infecção focal. *Inpr. med.*, Rio, 1941, 17: No. 334, 41-5.—**Murray, G. R.** Focal sepsis as a factor in disease. *Lancet*, Lond., 1926, 1: 387-9. — **Tilley, H.** [et al.] Discussion on focal sepsis as a factor in disease. *Proc. R. Soc. M.*, Lond., 1926, 19: 1-26.—**Nahmacher, H.** Der Einfluss dentogener und tonsillögener Fokalinfektionen auf geburtshilfliche und gynäkologische Erkrankungen in Klinik und Praxis. *Arch. Gyn.*, Berl., 1938, 166: 341-5 [Discussion] 345-7.—**Neilson, C. H.** The relation of focal infections to certain systemic conditions. *Proc. Interst. Postgrad. M. Ass. N. America* (1927) 1928, 3: 83-6.—**Nyman, J. E.** Susceptibility and immunity to systemic disease from focal infection. *J. Dent. Res.*, 1927-28, 7: 285-323.—**Orosco, G.** Importancia de las infecciones focales como causas de alergia. *Prensa méd. argent.*, 1939, 26: 1435-8.—**Parade, G. W.** Entwicklung und Auswirkung der Herdinfektion. *Schweiz. Mschr. Zahn.*, 1942, 52: 445 (Abstr.).—**Paul, T. D., & Galloway, C. E.** Focal infections in pregnancy. *Am. J. Obst.*, 1940, 39: 694-7. Also *Proc. Inst. M. Chicago*, 1940-41, 13: 14.—**Pepper, O. H. P.** Focal infection from the view-point of the internist. *Ther. Gaz.*, Det., 1926, 3, ser. 42: 693-6.—**Perdomo Cabrera, C.** Contribución al estudio de la infección focal y de la enfermedad metastásica. *Rev. Fac. med.*, Bogotá, 1942-43, 11: 366-9 (Abstr.).—**Pietrafesa, E. R.** Focos sépticos y su relación con las enfermedades generales. *Ida. méd.*, B. Air., 1940, 12: 278.—**Pirodda, A.** Infezione focali. *Ann. laring.*, Tor., 1937, 37: 15-30.—**Poindexter, H. A.** A consideration of the effects of focal infection on the susceptibility of certain endothelial lined cavities. *J. Nat. M. Ass.*, N. Y., 1938, 30: 54-7.—**Reichmann, F. J.** Focal infection in relation to systematic disease. *J. Oklahoma M. Ass.*, 1926, 19: 288-92.—**Reimann, H. A., & Havens, W. P.** Focal infection and systemic disease; a critical appraisal; the case against indiscriminate removal of teeth and tonsils. *J. Am. M. Ass.*, 1940, 114: 1-6.—**Richter, W.** Die Bedeutung fokaler Herde im Krankheitsgeschehen. *Derm. Wschr.*, 1939, 109: 911-5.—**Romano, N., & Rey, S.** La infección focal y los padecimientos hepatovesiculares. *Rev. Soc. med. int.*, B. Air., 1931, 7: 671-80.—**Rondelli, U.** Focolai d'infezione e malattie intrerne. *Minerva med.*, Tor., 1928, 8: 899-913.—**Schilling, B.** [Focal infection in gynecological affections] *Budapesti orv. ujs.*, 1935, 33: 825-8.—**Schleier, H. G.** Relationship of focal infection to cardiovascular disease. *Pennsylvania M. J.*, 1929-30, 33: 612-6.—**Schnitzer, R.** Die Bedeutung der fokalen Infektion vom Standpunkt der inneren Medizin. *Münch. med. Wschr.*, 1927, 74: 1920.—**Schottmüller, H.** Die Bedeutung der fokalen Infektion vom Standpunkt der inneren Medizin. *Ibid.*, 1927-31.—**Smith, H. C.** The relation of bacterial foci to canine pathology. *J. Am. Vet. M. Ass.*, 1940, 97: 238-46.—**Solis-Cohen, H.** Etiologic role of focal infection in diseases of eye. *Arch. Ophth.*, Chic., 1943, 29: 162-4 (Abstr.).—**Solomon, L. L.** Focal infections as causative factors in the production of medical and surgical conditions. *Kentucky M. J.*, 1927, 25: 462-4.—**Stahl, R.** Die Bedeutung fokaler Infekte für Allgemeinerkrankungen, besonders für Kreislaufkrankheiten. *Med. Klin.*, Berl., 1937, 33: 1121; 1172.—**Stanford, W. R.** The relation of blood infection to focal infection. *Tr. M. Soc. N. Carolina*, 1923, 70: 423-8.—**Stites, F. M., Jr.** More common gastro-intestinal symptoms or diseases resulting from focal infection. *Kentucky M. J.*, 1934, 32: 438.—**Taquino, G. J.** The importance of the ear, nose and throat in their relationship to focal infection. *N. Orleans M. & S. J.*, 1935-36, 88: 225-9.—**Thompson, R. F.** Focal infections and systemic diseases. *Southwest. M.*, 1931, 15: 198-200.—**Tommasi, L.** Il concetto focale in dermatovenereologia e le piococchi focali. *Atti Soc. ital. derm. sif.*, 1938, 1: 103-19.—**Torbett, J. W.** Some unusual cases of focal infection causing arthritis and neuritis. *Am. J. Electrother.*, 1918, 36: 142-4.—**Ubaldo, A. R., & De Ocampo, G.** The concept of focal infection in ophthalmology. *J. Philippine M. Ass.*, 1941, 21: 443-54.—**Vogel, K.** Rheumatismus und Fokalinfektion im Gebiet des Hals-Nasen-Ohrenarztes. *Hippokrat.*, Stuttg., 1939, 10: 606-12.—**Walb, L.** Diagnose und Therapie des Erschöpfungszustandes unklarer Herkunft (ein Beitrag zur Frage der Fokalinfektion) *Münch. med. Wschr.*, 1939, 86: 579.—**Watson-Williams, P., & Pickworth, F. A.** Observations on nasal and oral focal sepsis in the etiology of gastro-intestinal and pulmonary infective diseases. *Brit. M. J.*, 1928, 1: 931-4.

Complication, mental.

See also **Psychosis, Etiology.**

BERLET, M. *Die Lehre der fokalen Infektion in der Neurologie und Psychiatrie (kritische Betrachtungen) [Erlangen] 31p. 8°. Coburg. 1933.

Brown, C. H. Foci of infection in psychiatric patients. *Am. J. M. Sc.*, 1940, 199: 539-45.—**Cotton, H. A.** Relation of chronic sepsis or focal infection to functional mental disorders. *J. Am. Inst. Homeop.*, 1931, 24: 28-59.—**Evans, J. J.** The neuropathic factor in disease. *Birmingham M. Rev.*, 1933, 8: 252-65.—**Gjessing, R.** [Is focal infection an essential etiological factor in so-called functional mental disorders] *Norsk mag. lægevid.*, 1927, 88: 832-46.—**Graves, T. C.** The relation of unresolved

infective process following acute infective diseases to the causation of mental disorder. *J. Ment. Sc.*, Lond., 1929, 75: 31-44.—**Hunter, W.** Chronic sepsis as a cause of mental disorder. *Ibid.*, 1927, 73: 549-66.—**Moynihan, B.** [et al.] Chronic sepsis as a cause of mental disorder; relation of focal sepsis to mental disease. *Brit. M. J.*, 1927, 2: 811-8.—**Kennedy, F.** Focal infections implicating the nervous system. *Am. J. M. Sc.*, 1933, 185: 305-14.—**Kopeloff, N., & Kirby, G. H.** The relation of focal infection to mental disease. *J. Ment. Sc.*, Lond., 1929, 75: 267-70.—**Meyer, E.** Beziehung fokaler Infektion zu Geistes- und Nervenkrankheiten. *Deut. med. Wschr.*, 1930, 56: 1531.—**Musa, A. B.** Focal infection and its relation to mental disorders. *Tr. Luzerne Co. M. Soc.* (1925) 1926, 25: 139-51.—**Pool, A.** Focal sepsis in mental disorder; the pathogen-selective method of diagnosis. *J. Ment. Sc.*, Lond., 1931, 77: 137-50.—**Robertson, W. M. F.** Gastro-intestinal focal infection in relation to oral sepsis, with special reference to anaerobes, occurring in 6 cases of mental disorder. *Proc. R. Soc. M.*, Lond., 1928-29, 22: Sect. Psychiat., 39-44, pl.

Diagnosis and symptomatology.

ALB, O. *Was kann die Provokation am Herd in der Diagnose der Herdinfektionen leisten? (eigene Untersuchungen mit der Gutzeit'schen Provokationsmethode) [Zürich] 51p. 24cm. Immensee, 1940.

Beardsley, E. J. G. Focal infection in relation to periodic health examinations. *Week. Roster, Phila.*, 1935, 30: 1233-9.—**Björn-Hansen, H.** [Comparative researches on sedimentation of erythrocytes and the blood picture in rheumatic muscular and joint affections with special regard to focal infection] *Norsk mag. lægevid.*, 1929, 90: 139-61. — [Focal infection; blood picture and sedimentation reaction in rheumatic muscle and joint affections; bacteriological and pathologic-anatomical examinations of tonsillar and dental infection foci] *Ibid.*, 1932, 93: 378-402.—**Bodman, F.** The homeopathic remedy as the detector of latent septic foci. *Brit. Homeop. J.*, 1933, 23: 368-73.—**Boston, L. N.** Blood pressure above 200 mm. a symptom of focal infection. *Med. J. & Rec.*, 1927, 126: 274-7.—**Bryant, J. C.** Focal infections among the tuberculous simulating tuberculous disease. *Am. Rev. Tuberc.*, 1930, 21: 653-8.—**Colby, C. D.** Hydrochloric acid as an indicator of latent foci of infection. *South. M. & S.*, 1935, 97: 389.—**Corelli, F.** Osservazioni sulla batteriuria streptococcica particolarmente nel gruppo delle malattie riferibili alle infezioni focali. *Policlinico*, 1933, 40: sez. prat., 1960-4.—**Estin, M., & Lenci, P.** Icteria hemolinfatica modificada por extirpación de foco craneo-séptico. *Rev. Ass. méd. argent.*, 1931, 44: 347-54.—**Farrell, M. D.** Puede la radiografía determinar la presencia de infección? infección focal y radiografía. *Rev. odont.*, B. Air., 1940, 28: 673-81.—**Földvári, F., & Nékám, L., Jr.** Untersuchungen über Komplementablankung bei fokalen Prozessen. *Derm. Wschr.*, 1935, 101: 890-4. — Komplementbindungsversuche bei fokalen Prozessen. *Ibid.*, 1936, 102: 55.—**Gording, R., & Björn-Hansen, H.** Fokalinfektiöse Symptome tonsillären und dentalen Ursprungs; focal infection bei rheumatischen Muskel- und Gelenkleiden; Untersuchungen des leukozytären Blutbildes. *Acta otolar.*, Stockh., 1931, 16: 251-74.—**Grande, J. J.** [et al.] Prolonged fever due to focal infection. *Hosp. News, Wash.*, 1935, 2, 20: 21-8.—**Grumbach, A.** Diagnostische und therapeutische Probleme der Herdinfektion. *Schweiz. med. Wschr.*, 1938, 68: 169-73.—**Haden, R. L.** The etiology of focal infection; medical aspects. *Ann. Otol. Rhinol.*, 1927, 36: 896-902.—**Johnson, P. B.** A method of locating focal infection available to the general practitioner. *Hahneman. Month.*, 1926, 61: 415-21.—**Kenzia, B.** Aktivitätsprüfung von Fokalherden nach Rat-schow. *Schweiz. Mschr. Zahn.*, 1942, 52: 448 (Abstr.).—**Kindler, W.** Die Diagnostik chronischer Infektionsherde im Hals-, Nasen- und Ohrengebiet zur Klärung allgemeiner Krankheitsvorgänge. *Med. Klin.*, Berl., 1939, 35: 839-42.—**Kinsella, V. J.** Focal infection. *Med. J. Australia*, 1942, 2: 369.—**Kolmer, J. A.** Focal infection from the laboratory standpoint. *J. Am. M. Ass.*, 1926, 87: 824-6.—**Lowe, E. C.** Pathogen-selective cultures as an aid to the diagnosis of infective foci. *Brit. M. J.*, 1928, 2: 98-100.—**MacKenzie, G. W.** The differential diagnosis of syphilis and focal infection from the eye and ear manifestations. *West Virginia M. J.*, 1926, 21: 292-301.—**Morales y Romero-Girón, M.** Diagnóstico diferencial de las inflamaciones perifocales, en cuanto a su situación en los estados alérgico-inmunitarios. *Medicina, Madr.*, 1941, 9: 300-7.—**Morgenroth, K.** Die Durchführung und Auswertung der Blutsenkungsreaktion bei der stomatogenen Herdinfektion. *Ber. Deut. Ges. Zahn & c. Heilk.* (1938) 1939, 75. Congr., T. 2, 182-90.—**Morris, R. S.** Certain phases of focal infection observed in a diagnostic center. *U. S. Veterans Bur. M. Bull.*, 1926, 2: 103-7.—**Neergaard, K. von.** Abgrenzung des Herdinfektes gegenüber dem chronischen Katarrhinfekt. *Verh. Deut. Ges. inn. Med.*, 1939, 51. Kongr., 579-86.—**Plankuch, K., & Karpf, H.** Ueber die Kurzwellenprovokation als diagnostisches Hilfsmittel bei Fokalinfektionen. *Klin. Wschr.*, 1939, 18: 884.—**Popper, L., & Rabinowitsch, M.** Kurzwellendiagnostik der Herdinfektion. *Radiol. Rdsh.*, 1938, 7: 392-400.—**Proby, H.** Les manifestations lymphatiques de l'infection focale. *C. rend. Congr. internat. lymph.*, 1934, 1. Congr. 2: 28-30.—**Ramond, L.** A la recherche d'un foyer d'infection. *Presse méd.*, 1937, 45: 1877.—**Richards, J. H.** Bacteremia

following irritation of the foci of infection. J. Am. M. Ass., 1932, 99: 1496.—**Rikl, R.** Anamnestiche und klinische Studien über die Manifestation von schweren fokaltoxischen Krankheitsbildern. Zschr. Rheumaforsch., 1938, 1: 553-68.—**Scheel, A.** [Local temperature increase in an infection focus] Norsk. mag. lægevid., 1935, 96: 1200-8.—**Slauck, A.** Ueber ein auffallend regelmässig vorkommendes Muskelphänomen bei Fokalinfektion und seine Verwendbarkeit für die Praxis. Klin. Wschr., 1937, 16: 740-3.—**Solis-Cohen, M.** The toxic symptoms of focal infection. Med. World, 1942, 60: 433-5.—**Solomon, L. L.** Focal infection in relationship to pyuria and hematuria. Med. Times, N. Y., 1926, 54: 86-8.—**Strauch, W.** Zur Diagnose aktiver Foki mit Kurzwellen. Deut. med. Wschr., 1940, 66: 1070-2.—**Thibault, R. C.** L'infection focale; ses manifestations cliniques. Monde méd., 1930, 40: 692-4.—**Valerio, A.** As infecções focales e as escapulalgias. Fol. med., Rio, 1932, 13: 115.—**Weber, R.** Lokale und allgemeine Reaktionen des Organismus bei oralen Infektionsherden. Münch. med. Wschr., 1928, 75: 1878-81.

Pathology.

MEYER, O. A new approach to old diseases. 145p. 22cm. N. Y., 1942.

PIETSCH, H. *Zur Lehre und Klinik der Fokalinfektion, zugleich ein statistischer Beitrag über den Wert der Behandlung bei Krankheiten fokaler Genese. 67p. 8°. Bresl., 1936.

REIS, E. *Die Lehre von der fokalen Infektion (ein historischer Ueberblick) 70p. 8°. Würzb., 1932.

Albertini, A. von. Pathologisch-anatomische Grundlagen der Herdinfektion. Schweiz. med. Wschr., 1937, 67: 1017.—**Grumbach, A.** Ergebnisse experimenteller Forschung zur Frage der Herdinfektion. Ibid., 1938, 68: 1309-15.—**Andrej, G., & Ravenna, P.** Ancora sulle infezioni focali. Boll. Ist. sieroter. milan., 1934, 13: 543-52; 767.—**Ricerche sulle infezioni focali; la produzione sperimentale di lesioni simili a quelle del reumatismo articolare acuto.** Ibid., 804-14, 4 pl.—**Antonioti, D.** Estudio experimental sobre la infección focal. Prensa méd. argent., 1930-31, 17: 1683-9.—**Appleton, J. L. T.** Some problems of focal infection as seen by the bacteriologist. N. York J. Dent., 1941, 11: 110-20.—**Assmann, H.** Die praktische Bedeutung der Lehre von der fokalen Infektion. Aerztl. Prax., Wien, 1939, 13: 125-8. Also Wien. klin. Wschr., 1939, 52: 309-12.—**Azzi, Q.** Beitrag zur Lehre der fokalen Infektion. Schweiz. med. Wschr., 1941, 71: 1365.—**Barnes, A. R., & Giordano, A. S.** Bacteria recovered post-mortem with special reference to selective localization and focal infection; preliminary report. J. Indiana M. Ass., 1922, 15: 1-7.—**Beck, A.** Ein Beitrag zur Frage des Zusammenhanges von Herdinfektion und Allgemeinerkrankung. Zbl. Bakt., 1. Abt., 1932, 125: 385.—**Belleli, D.** Streptococchi da infezioni focali: loro sensibilità al potere battericida del sangue. Pathologica, Genova, 1934, 26: 697-9.—**Berger, W.** Die fokale Infektion als Problem der Allergie. Verh. Deut. Ges. inn. Med., 1939, 51. Kongr., 455-86.—**Berman, J. K.** Critical evaluation and present status of the theory of chronic focal infection. J. Indiana M. Ass., 1931, 24: 665-8.—**Bernhardt, H.** Zur Frage der Fokalinfektion und der elektiven Lokalisation. Zschr. klin. Med., 1931, 117: 158-74.—**Bieling.** Herdinfektion und Immunität. Verh. Deut. Ges. inn. Med., 1930, 42. Kongr., 438-51.—**Björn-Hansen, H.** Ueber Fokalinfektion; das Blutbild und die Senkungsreaktion bei rheumatischen Muskel- und Gelenkleiden; bakteriologische und pathologische-anatomische Untersuchung von Infektionsfozi, vorzugsweise tonsilläre und dentale. Acta med. scand., 1931-32, 77: 242-75.—**Borsos-Nachtnebel, O.** [Pathology of focal infection] Orvostud., 1935, 25: 665-75.—**Cameron, G. C., Rae, C. A., & Murphy, G. N.** Blood cultures and focal infections: an experimental study with 100 healthy adults. Canad. M. Ass. J., 1931, 25: 131-4. Also Dominion Dent. J., 1931, 43: 296-300.—**Castex, M. R.** La doctrina de la infección focal. Vida nueva, Habana, 1930, 26: 483-529. Also Prensa méd. argent., 1930-31, 17: 265-301.—**Chini, V.** Appunti al lavoro di Andrei e Ravenna: Ancora sulle infezioni focali. Boll. Ist. sieroter. milano, 1934, 13: 765.—**Crowe, H. W.** Rosenow's hypothesis of elective localisation. Ann. Pickett Thomson Lab., 1928-29, 4: 443-73.—**Daland, J.** Chronic focal infection of the tonsils and accessory sinuses in adults. Ann. Otol. Rhinol., 1926, 35: 1064-72.—**Diggle, F. H.** Focal sepsis in the ear, nose, and tonsil. Clin. J., Lond., 1926, 55: 280-3.—**Dillinger, G. A.** Two common sources of focal infection. Med. Rec., N. Y., 1935, 141: 428-32.—**Fasting, G. F.** The bacteriology of and experimental work in focal infections. N. Orleans M. & S. J., 1935-36, 88: 298-300.—**Giordano, A. S.** The etiologic and specific relationship of foci of infection to certain organic lesions; a postmortem study. J. Lab. Clin. M., 1927-28, 13: 523-41.—**Grumbach, A.** Die Lehre von der fokalen Infektion. Erg. Hyg. Bakt., 1934, 15: 442-609.—**Gutzeit, K.** Durchblutungsstörungen des Herzmuskels und des Gehirns in Abhängigkeit von der Herdinfektion. Med. Klin., Berl., 1937, 33: 721; 757.—**Hatton, E. H.** Evaluation of the theory of focal infection. J. Am. Dent. Ass., 1934, 21: 463-73.—**Hayden, A. A.** The theory of focal infection (concept) Tr. Am. Laryng. Ass., 1932, 38: 13-5.—**Holman, W. L.** Focal infection and elective localization; a critical review. Arch. Path., Chic., 1928, 5:

68-136.—**Infezioni focali attenuate simulanti forme specifiche** Riv. med. aeronaut., 1939, 2: 38-53.—**Kau, L. S.** Concerning the mechanism of focal infection. J. Lab. Clin. M., 1933, 18: 1108-19.—**Kissling, K.** Fokale Infektion (Klinik und Bakteriologie) Verh. Deut. Ges. inn. Med., 1939, 51. Kongr., 437-55.—**Kopeloff, N.** Is the stomach a focus of infection? Am. J. M. Sc., 1923, 165: 120-9.—**Lehmann, W.** Zur Herdinfektion. Verh. Deut. Ges. inn. Med., 1930, 42. Kongr., 482-6.—**Lenaz, L.** A proposito delle infezioni focali. Riforma med., 1933, 49: 1817-21.—**Liebermann, L. von.** Betrachtungen zur Pathologie und Therapie der fokalen Infektionen. Mschr. ungar. Med., 1931, 5: 201.—**Lusena, M.** Considerazioni sulla patologia sperimentale delle infezioni focali. Boll. Ist. sieroter. milan., 1934, 13: 536-42.—**Osservazioni alla nota di Andrei e Ravenna: Ancora sulle infezioni focali.** Ibid., 854.—**Mackenzie, G. W.** Psora and focal infection. Hahnemann. Month., 1933, 68: 450-63.—**The principle of psora.** J. Am. Inst. Homeop., 1933, 26: 633-41.—**Mathis, H., & Schnetz, H.** Das Herdinfektgeschehen im Rahmen des Allergienproblems, Schweiz. Mschr. Zahnh., 1942, 52: 442 (Abstr.)—**Mela, B.** L'infezione focale. Gior. batt. immun., 1933, 11: 1054-70; 1935, 14: 122-30.—**Ancora sull'infezione focale.** Ibid., 1934, 12: 151-9.—**Infezione focale o localizzazione elettiva.** Ibid., 1046-54.—**Memmesheimer, A. M.** Zur Kritik der Lehre von der Fokalinfektion. Med. Klin., Berl., 1940, 36: 825 (microfilm)—**Meyer, O.** Fokalinfektion und Allergie. Schweiz. med. Wschr., 1942, 72: 10-2.—**Mueller, E.** Blood uric acid in relation to focal infection. J. Am. Dent. Ass., 1926, 13: 1232-46.—**Murphy, W. P.** The present concept of focal infection. Lancet, Lond., 1936, 1: 1451-4.—**Nickel, A. C.** The localization in animals of bacteria isolated from foci of infection. J. Am. M. Ass., 1926, 87: 1117-22.—**The rationale of focal infection and elective localization.** Med. Rec., N. Y., 1935, 141: 419-23.—**Oliveira Lima, A., Goulart, L. B., & Medeiros, G.** Mechanismo da infecção focal; o papel da alergia bacteriana. Brasil med., 1941, 55: 20-3.—**Ottolenghi, F.** Sui fattori extramicrobici dell'orchiotropismo sperimentale. Atti Soc. ital. derm. sif., 1938, 1: 239-49.—**Pässler.** Ueber Herdinfektion; klinische Grundlagen und Probleme. Verh. Deut. Ges. inn. Med., 1930, 42. Kongr., 381-408.—**Parade, G.** Wesen und Bedeutung der Fokalinfektion. Schweiz. Mschr. Zahnh., 1942, 52: 290 (Abstr.)—**Pawlowski, E.** Beitrag zur Fokalinfektionslehre. Naturärztl. Rdsch., 1937, 9: 200-2.—**Pilot, I.** Modified concepts of focal infection. Dis. Eye & Throat, 1941, 1: 117-20.—**Poos, E. E.** Focal infections of the head. Ann. Otol. Rhinol., 1927, 36: 798-807.—**Rabkin, S.** Current reactions to the concept of focal infection. J. Med., Cincinnati, 1941-42, 22: 510-23.—**Rabl, R., & Wüstenberg, J.** Bakteriologische und morphologische Untersuchungen an Tonsillen und Organen der Leiche; ein Beitrag zur Frage der Herdinfektion. Schweiz. med. Wschr., 1942, 72: 632 (Abstr.)—**Rhodes, G. B., & Appelbach, C. W.** Chronic localized streptococcus infections in dogs; experimental focal infections. J. Infect. Dis., 1928, 43: 215-7.—**Riha, F. G.** Die Grundlagen der Herdinfektion und deren kritische Würdigung. Zschr. Stomat., 1926, 24: [Discussion] 345-9.—**Rössle, R.** Experimenteller Beitrag zum Verständnis der Herdinfektion. Virchows Arch., 1939, 304: 1-18.—**Ueber Fokalinfektion (anatomischer Bericht)** Verh. Deut. Ges. inn. Med., 1939, 51. Kongr., 423-36.—**Die anatomische Einführung.** Zbl. inn. Med., 1939, 60: 489.—**Rosamond, E.** The influence of focal infections on the diseases of children. Memphis M. J., 1926, 3: 163.—**Rosenow, E. C.** Focal infection and elective localization of bacteria in appendicitis, ulcer of the stomach, cholecystitis, and pancreatitis. Surg. Gyn. Obst., 1921, 33: 19-26.—**Focal infection and elective localization.** Internat. Clin., 1930, 40. ser., 2: 29-64. Also Verh. Deut. Ges. inn. Med., 1930, 42. Kongr., 408-38.—**Zusammenfassung der Forschungsergebnisse über Fokalinfektion und elektive Lokalisation.** Med. Klin., Berl., 1931, 27: 325.—**Focal infection and elective localization; a review and newer findings.** Tr. Indiana Acad. Ophth. Otol., 1938, 80.—**Salén, E. G.** Fokalinfektion och allergi. Nord. med., 1941, 9: 312-5 (Abstr.)—**Schilling, V.** Ueber die Allergenatur der Fokalinfektion, nachgewiesen an atypischen biologischen Leukocytenkurven. Med. Welt, 1939, 13: 1598-1603.—**Schoen, R.** Herdinfektion und Sepsis. Zbl. inn. Med., 1931, 52: 1122-32.—**Solis-Cohen, M.** Necessity for revising the common conception of focal infection. Tr. Coll. Physicians Philadelphia, 1934, 1: 78. Also J. Am. M. Ass., 1934, 102: 1128-31.—**Stein, G.** Newer aspects of the problem of focal infection. Am. J. Orthodont., 1942, 28: Oral Surg., 28-42.—**Tomlin, W. S.** Focal infection of sinuses and tonsils. Indianapolis M. J., 1927, 30: 211-3.—**Westergren, A.** [Focal infection in theory and practice] Nord. med., 1940, 8: 2376-81.—**Young, W. W.** Focal infection and psora: Are they the same? J. Am. Inst. Homeop., 1933, 26: 842-5.—**Zachariae, G.** Entzündung und fokale Infektion. Fortsch. Med., 1939, 57: 225-9.

Treatment.

KAPUSTE, H. *Untersuchung über die Erfolge der Herdbehandlung bei fokaler Infektion an 200 nachgeprüften Fällen [Breslau] 71p. 8°. Rati-bor, 1938.

SUCHAROWSKI, E. *Versuche einer Allgemeinbehandlung fokaler Infektionen mit spezi-

fischen Desinfektionsmitteln [Breslau] 12p. 8°. Liegnitz, 1931.

WOLLEN, K. *Nachweis des Erfolges der Herdbehandlung bei Fokalinfektion an 100 nachuntersuchten Fällen. 46p. 21cm. Bresl., 1935.

Acquafredda, G. Significato clinico e importanza sociale delle infiltrazioni perifocali nell'infanzia. Med. inf., Roma, 1938 9: 65-80.—Galloway, C. E. Focal infection. Am. J. Surg., 1931, n. ser., 14: 643-5.—Guslich, A. [Data on surgical importance of focal infection] Orvostud., 1939, 29: December: különl., No. 2, 357-62.—Hargita, G. [Treatment of focal infection with amebisid] Gyógyászat, 1939, 79: 198.—Haus, O. Antisepton bei Fokalerkrankungen. Schweiz. Mschr. Zahnh., 1942, 52: 706 (Abstr.)—Johnston, J. A., & Maroney, J. W. Focal infection and metabolism; the effect of the removal of tonsils and adenoids on the nitrogen balance and the basal metabolism. J. Pediat., St. Louis, 1938, 12: 563-70.—Kempf, W. Die orale Goldbehandlung der fokalbedingten Krankheitsbilder des Bewegungsapparates. Deut. med. Wschr., 1941, 67: 89; 123.—Kraewel, J. von. Schwierigkeiten bei der Behandlung der fokal Infektion. Zahnärztl. Rdsch., 1940, 49: 1275-81.—Peekind, S. Focal immunization in disorders arising from focal infections. Arch. Phys. Ther., 1928, 9: 347-50.—Pietsch, H. Zur Lehre und Klinik der Fokalinfektion; zugleich ein statistischer Beitrag über den Wert antifokaler Behandlung bei Krankheiten fokaler Genese. Klin. Wschr., 1937, 16: 636-9.—Rivers, T. M. Focal infections, the resulting morbidity and treatment for same. J. Florida M. Ass., 1931-32, 18: 175-9.—Schottmüller, Herdinfektion und Organotropie der Erreger. Verh. Deut. Ges. inn. Med., 1930, 42. Kongr., 480-2.—Shuster M. The danger of untimely removal of foci of infection. Med. Rec., N. Y., 1935, 141: 424; 462.—Solis-Cohen, M. Why otolaryngologists frequently fail to remove a focus of infection. Ann. Otol. Rhinol., 1934, 43: 586-97. Also Arch. Otolaryng., Chic., 1934, 20: 437.—Vaccine therapy in chronic diseases secondary to chronic focal infection. Hahneinan. Month., 1935, 70: 355-65.—Vaccine therapy in chronic and focal infections. Internat. Clin., 1939, n. ser., 2: 214-33.—Stahn, H. O. Fasten, Rödermethode und Fokalinfektion. Hippokrat., Stuttg., 1938, 9: 257-64.—Stainsby, W. J., & Nicholls, E. E. Focal infection (foci of infection): with particular emphasis on preventive aspects for individuals between 21 and 45 years of age. Prev. Med., N. Y., 1939, 8: 239-48.—Taubmann, G., & Sucharowski, E. Versuch einer Allgemeinbehandlung fokaler Infektionen mit spezifischen Desinfektionsmitteln; eine Methode der experimentellen fokalen Infektion. Arch. exp. Path., Berl., 1931, 162: 575-84.—Wassmund, M. Ueber fokale Infektion; klinische Auffassungen und Erfahrungen. Zbl. Chir., 1935, 62: 2161-81.—Wippert, V. Proper prophylaxis in focal infection is the fundamental concept for the general physician; removal of the focus of infection is the most important measure when systemic disease has developed. Am. Physician, 1926, 31: 205-8.—Wood, W. L., Jensen, L. B., & Post, W. E. Electrophoresis studies in cases of focal infection. Ann. Int. M., 1934, 8: 734-40.

INFECTIOUS disease.

See also Communicable disease; Epidemic; Infection; Mycosis; Parasitosis; Virus disease, etc.; also names of diseases caused by bacteria, fungi, protozoa, viruses as Apergillosis; Cholera; Diphtheria; Influenza, etc.

GRANATA, G. Aforismi sulle malattie infettive. 107p. 22cm. Milano [1938]

LEMIERRE, A. Quelques vérités premières (ou soi-disant telles) sur les maladies infectieuses. 76p. 8°. Par., 1937.

Amoss, H. L. Infectious diseases. In Pract. Libr. M. & S. (Appleton) N. Y., 1932, 2: 481-98.—Anderson, J. M. Infections, acute and chronic; a survey. Med. J. & Rec., 1932, 136: 1-5.—Argentiére, R. O destino das doenças infecciosas. Impr. med., Rio, 1942, 18: No. 337, 126-30.—Bloomfield, A. L. Infectious diseases, including acute rheumatism, croupous pneumonia and influenza. Progr. Med., Phila., 1924, 1: 113-92.—Brokman, H., & Szezyman, M. [Infectious diseases] Warsz. czas. lek., 1937, 14: 500-5.—Burnet, F. M. The biological approach to infectious disease. Med. J. Australia, 1941, 2: 607-12.—Ferrari, R. P. Infectiouskrankheiten. Med. Klin., Berl., 1939, 35: 1375-7.—Forbes, D. The acute infectious fevers. Clin. J., Lond., 1932, 61: 17; 31.—Gorter, E. Over eenige infectieziekten. In his Indrukken v. med. Amerika, Leiden, 1934, 79-86.—Grenet, H., & Pellissier, L. Les maladies infectieuses. Monde méd., 1937, 47: 245-68; 1939, 49: 210-34.—Infektionskrankheiten. Praxis, Bern, 1924, 13: H. 9, 1; 3.—Moog, O. Infektionskrankheiten. Deut. med. Wschr., 1923, 49: 1123; 1924, 50: 309; passim; 1925, 51: 1239; 1285.—Mueller-Deham, A., & Rabson, S. M. Infectious diseases. In their Int. M. Old Age, Balt., 1942, 362-77.—Nélis, P. Maladies infectieuses. Rev. belge sc. méd., 1929, 1: 365-98.—Reasoner, M. A. Infectious diseases. Am. J. Pharm., 1927 99: 561-9.—Reimann, H. A. Infectious diseases. Arch. Int. M., 1936, 58: 329-70.—Sincock, H. G. Infectious diseases.

Quincy M. Bull., 1935-36, 13: 151-7.—Symposium (A) of infectious diseases. Med. Off., Lond., 1941, 66: 18.—Zehner. Revue générale sur les maladies infectieuses (travail de la clinique infantile de Strasbourg, Pr. Rohmer) J. méd. Paris, 1925, 44: 177; 204.

Allergy.

See also subheading Immunity; also Allergy, bacterial.

LOUINEAU, J. *La méthode de l'intradermo-réaction et ses récentes applications. 40p. 8°. Par., 1921.

WEINSTEIN, E. *Contribution à l'étude du rôle de l'anaphylaxie dans la pathogénie des maladies infectieuses. 54p. 8°. Par., 1931.

Basombrio, G. A., & Cordero, A. Tres enfermedades infecciosas descubiertas a raíz del examen dermatológico. Rev. argent. derm. sif., 1939, 23: 309-12.—Bieling, R. Allergy and the course of infection. In Med. in its Chem. Aspects, Leverkusen, 1934, 2: 71-86.—Die Bedeutung allergischer Vorgänge für die Abwendung des Verlaufs von Infektionskrankheiten und für die Entstehung chronischer Erkrankungen. Zbl. inn. Med., 1935, 56: 641-57.—Boquin, T. D. Hiperreflexia vascular; hipertonia arterial como manifestación hiperérgica en infecciones crónicas; sífilis e infección focal. Medicina, Méx., 1941, 21: 443-50; 461-77.—Brown, W. H. Some clinical manifestations of endogenous sensitization: eruptions following local infection or injury. Brit. J. Derm. Syph., 1939, 51: 197-207.—Calcinai, M. Allergia bacterica e infezione sperimentale del polmone da pneumococco, streptococco e B. Bang. Boll. Ist. sieroter. milan., 1935, 14: 401-18.—Canale, P. Sulle intradermoreazioni a scopo diagnostico nelle febbri infettive (tifo e melitense) Riv. clin. med., 1925, 26: 527-36.—Corpaci, A. Sur l'importance de la sensibilisation spécifique dans la pathogénie des infections. Boll. Sez. ital. Soc. internaz. microb., 1929, 1: 237.—Dujardin, B., & Duprez, C. Les réactions allergiques dans la syphilis et la tuberculose. Scalpel, Brux., 1922, 75: 1119.—Ferrario, G. La vaccino-diagnosi nelle malattie infettive. Med. ital., 1927, 8: 270-317.—Foshay, L. Intradermal antiserum tests: a bacterial-specific response not dependent upon serum sensitization but often confused with it. J. Allergy, 1934-35, 6: 360-4.—Friedberger, E. Die Ueberempfindlichkeit am isolierten Gefäßpräparat vorbehandelter und infizierter Tiere. Klin. Wschr., 1927, 6: 1095.—Gougerot, H. Sensibilisation et anaphylaxie dans les infections. Deliber. Congr. derm. internat. (1935) 1935-37, 9. Congr., 1: 244-6.—Hadfield, G., & Garrod, L. P. Hypersensitive states in infection. In their Recent Advance. Path., 4. ed., Lond., 1942, 13-28.—Hamburger, F. Klinik der Allergie bei infektiösen Krankheiten. Acta paediat., Upps., 1933, 16: 18-36 [Discussion] 103-34. Also Med. Klin., Berl., 1934, 30: 353-7.—Juon, M. Recherches sur les cutiréactions spécifiques des infections allergisantes et leurs rapports avec la vitesse de sédimentation des globules rouges. Schweiz. med. Wschr., 1927, 57: 1031-7.—Karpov, M. K. [Significance of local, allergic reactions for the process of infection; effect of hyperergic inflammation on the site of the point of infection on the course and outcome of the process of infection] J. mikrob., Moskva, 1939, No. 2-3, 98-106.—Kravchenko, A. T. [Immunity and allergy in infectious diseases; nature of cutaneous allergic reactions; immunity of internal organs in simultaneous increased sensitivity of the skin] Ibid., 1938, 20: No. 3-4, 90-6.—Liebermeister, G. Ueber Allergie und Immunität bei Infektionskrankheiten. Verh. Deut. path. Ges., 1937, 30: 119-23 [Discussion] 154-63.—Lifschitz, M. S. Le phénomène Schwartzmann dans les maladies infectieuses. Bull. biol. méd. exp. URSS, 1933-39, 6: 544.—[Schwartzman's phenomenon in infections] Biull. eksp. biol. méd., 1939, 8: 187-9.—Mayerhofer, E. Neue Beiträge zur Allergielehre der Infektionskrankheiten. Wien. med. Wschr., 1939, 89: 659-62.—Montagnani, M. L'intradermoreazione nel tifo, paratifo A e B e nella febbre melitense con i filtri di coltura. Riv. crit. clin. med., 1923, 24: 149; 161.—Negroni, P. Sobre la naturaleza de la alergia cutánea en las enfermedades infecciosas; su transmisión pasiva. Rev. Inst. bact. Malbrán, B. Air., 1942-43, 11: 139-43.—Oliveira Lima, A., Goulart, L. B., & Medeiros, G. Allergia bacteriana; considerações sobre o valor dos tests cutâneos com o estafilococco, o estreptococco e o pneumococco. Brasil méd., 1941, 55: 52-5.—Rezzesi, F. D. Il fenomeno dell'autoinoculazione locale (fenomeno di Auer) e i suoi rapporti colle sindromi di anafilassi locale. Gior. batt. immun., 1932, 9: 101-25.—Ricaldoni, A., & Pia, J. C. L'épreuve de McClure et Aldrich pendant la période d'incubation des états infectieux. Bull. Soc. méd. hôp. Paris, 1928, 3. ser., 52: 415-8.—Rich, A. R. The significance of hypersensitivity in infections. Physiol. Rev., 1941, 21: 70-111.—Sarnowicz, W. La réaction allergique dans les infections aiguës. C. rend. Acad. sc., 1935, 200: 698-703.—Seckel, H. P. G. Hypersensitiveness in acute infectious diseases. Ann. paediat., Basel, 1938-39, 152: 73-86.—Vaughan, W. T., & Derbes, V. J. A comparative study of the incidence of acute infectious diseases in allergic and nonallergic persons. J. Allergy, 1940-41, 12: 477-80.—Weselman, H. Klinische Beobachtungen über einige abnorme postinfektiöse Gefäßreaktionen und ihre Beziehungen zur Allergie. Deut. Arch. klin. Med., 1937-38, 181: 257-67.—Wherry, W. B. The rôle of desensitization in recovery from bacterial infection. Ann.

Int. M., 1933, 7: 728-31.—Zechnovitzer, M. M. [Correlation between the infection process and infection allergy] Vrach. delo, 1938, 20: 845-54.—Zironi, A. Die Theorie der spezifischen Überempfindlichkeit bei Infektionen. Erg. Hyg. Bakt., 1933, 14: 561-617.

— bacterial.

See proper names of bacterial diseases and of bacteria.

— Bibliography.

See also **Epidemiology.**

FRACASTORO, G. Hieronymi Fracastorii De contagione et contagiosis morbis et eorum curatione, libri III; translation and notes by W. C. Wright, 356p. 8° N. Y., 1930.

Adida, P. Maladies infectieuses. Gaz. hôp., 1930, 103: 1065-78; 1933, 106: 1899-19.—Biemann, P. R. Infektionskrankheiten; Rundschau. Jahrbuch, ärztl. Fortbild., 1922, 13: H. 10, 37-40.—Dopter, C. Les maladies infectieuses en 1923 [and subsequent years] Paris méd., 1923, 47: 477; passim in subsequent volumes.—Fiebelkorn. Neuere Arbeiten über Infektionskrankheiten bei Kindern. Med. Klin., Berl., 1924, 20: 286-8.—Grenet, H., & Pellissier, L. Les maladies infectieuses. Monde méd., 1925, 35: 117; passim in subsequent vols.—Hegner, C. Rundschau: Einheimische Infektionskrankheiten. Jahrbuch, ärztl. Fortbild., 1936, 27: H. 10, 19-31; 1937, 28: H. 11, 29-37; 1938, 29: H. 10, 9-20.—Hilgenberg, H. Neuere Arbeiten über einige Infektionskrankheiten bei Erwachsenen (Scharlach, Diphtherie, Meningitis epidemica, Poliomyelitis). Med. Klin., Berl., 1939, 35: 187-90.—Kreuter, E. Infektions- und parasitäre Krankheiten. Jahrbuch, ges. Chir. (1921) 1924, 27: 71-84.—Lagouère, J. L. de. Acquisitions récentes sur l'immunité, sur l'épidémiologie, la prophylaxie, le diagnostic et le traitement des maladies infectieuses. Arch. méd. pharm. mil., 1927, 87: 1-56.—Leiner, C. Sammelreferat über Hautkrankheiten und Infektionen des Kindesalters (Literatur 1920-23). Zbl. Haut Geschlkr., 1924-25, 14: 1-20.—Lévy, R., & Vonderweidt, P. Maladies infectieuses en 1921 (revue générale). J. méd. Paris, 1922, 41: 591-4. Also Méd. inf., Par., 1922, 28: 181-91.—Morgan, H. Infektionskrankheiten (Rundschau) Jahrbuch, ärztl. Fortbild., 1924, 15: H. 10, 21-32; 1925, 16: H. 10, 20.—Nélis, P. Maladies infectieuses. Rev. belge sc. méd., 1931, 3: 1010-40.—Popoviciu, G. [Synopsis of articles on prevention and therapy of infectious diseases, tuberculosis and syphilis in children, for the last few years] Cluj, méd., 1928, 9: 641; 690.—Reimann, H. A. Infectious diseases; review of current literature. Arch. Int. M., 1935, 56: 382; passim in subsequent vols.—Tanon, L. L'hygiène et les maladies infectieuses en 1922 [and subsequent years] Médecine, Par., 1922-23, 4: 162; passim in subsequent vols. — Hygiène et maladies infectieuses en 1937. Rev. méd. fr., 1937, 18: 659-79. — Sur les maladies épidémiques en France en 1937. Bull. Acad. méd., Par., 1938, 3, ser., 120: 299-302. — Sur les travaux concernant l'hygiène et les maladies contagieuses observées en France en 1938. Ibid., 1939, 3, ser., 122: 396-401.—Zehnter, N. Maladies infectieuses en 1922. Méd. inf., Par., 1923, 29: 181-99.—Zischinsky, H. Das deutsche Schrifttum auf dem Gebiete der akuten Infektionskrankheiten im Jahre 1939. Med. Klin., Berl., 1940, 36: 543-6 (microfilm)—Zoepffel, H. Neuere Arbeiten aus dem Gebiete der Infektionskrankheiten. Ibid., 1923, 19: 216; 251.

— Bones and joints.

Baj, L. L'influenza delle infezioni sperimentali sulle alterazioni ossee da carenza. Chir. org. movim., 1929-30, 14: 477-90.—Dubé, J. E., & Ranger, E. Pseudo-ankyloses consécutives aux positions vicieuses des membres au cours des maladies infectieuses aiguës ou chroniques. Union méd. Canada, 1927, 56: 150-5.—Simon, H. Zur Frage der unspezifischen Knochenherdbildung nach Infektionskrankheiten. Deut. med. Wschr., 1929, 55: 1741-6.—Stenström, B. Degenerative changes in the skeletal muscles, particularly in infectious diseases. Arch. Path., Chic., 1927, 3: 361-73.

— Cardiovascular system.

See also **Blood pressure, Variations; Electrocardiogram, Variation; Heart arrhythmia; Heart-block; Heart muscle, Inflammation, etc.**

DOBREFF, J. *Ueber die akute Kreislaufschwäche bei Infektionskrankheiten und ihre Behandlung. 36p. 8° Bonn, 1926.

ENKE, [E.] G. *Blutdruckmessungen bei akuten Infektionskrankheiten [Halle-Wittenberg] p.349-56. 8° Berl., 1929.

Also Zschr. klin. Med., 1929, 111:

OPPENHEIMER, M. *Ueber Arterienwand-schädigungen besonders der Aorta bei Infek-

tionskrankheiten [Heidelberg] 24p. 8° Heilbronn, 1932.

SCHULTZE, J. [W. T.] *Untersuchungen über die Kapillarpermeabilität bei Infektionskrankheiten [Berlin] 21p. 21cm. Würzb., 1938.

TOURNAFOND, P. *L'arythmie complète au cours des maladies infectieuses. 62p. 8° Par., 1933.

Abrikossoff, A. I., & Rudik. Sur les altérations allergiques des vaisseaux sanguins dans les maladies infectieuses. Arch. internat. méd. exp., Liège, 1935-36, 10: 303-20.—Asayama, A. Beiträge zum Elektrokardiogramm bei akuten fieberhaften Krankheiten. Mitt. Med. Akad. Kioto, 1938, 24: 1166; 1169.—Attinger, E. Beobachtungen über Schädigungen des Kreislaufapparates bei Infektionskrankheiten. Zschr. Kreislaufforsch., 1940, 32: 799-809.—Bender, N. J. Circulatory failure in acute infectious diseases. N. Orleans M. & S. J., 1941-42, 94: 261-5.—Benjamin, K. Der Blutkreislauf bei Infektionskrankheiten (besonders im Kindesalter) Deut. med. Wschr., 1924, 50: 1174-7.—Bizzozero, R. C. El electrocardiograma en las enfermedades infecciosas. Dia méd., B. Air., 1938, 10: 659-63.—Chatterjee, J. B. Circulatory failure in some common acute infectious fevers and its management in general. Ind. M. Rec., 1942, 62: 263-7.—Ebert, R. V., & Stead, E. A., jr. Circulatory failure in acute infections. J. Clin. Invest., 1941, 20: 671-9.—Echague, E. S. Alterations électrocardiographiques au cours des maladies infectieuses aiguës. Bruxelles méd., 1938-39, 19: 360-4.—Ederer, S., & Zárday, I. Ueberdauernde Myokardschädigungen nach Infektionskrankheiten. Mschr. Kinderh., 1938, 72: 351-63.—Eggleston, C. Drugs used in the treatment of circulatory failure in acute infectious diseases. J. Am. M. Ass., 1936, 107: 1213-5.—Floriani, C. Las presiones venosa-periférica y arteriales en determinados procesos infecciosos agudos. Prensa méd. argent., 1932-33, 19: 688.—Fontana, L. Ricerche sullo stato dei vasi cutanei nella endocardite lenta e in altre infezioni. Gior. Accad. med. Torino, 1926, 4, ser., 32: 49-55.—Franke, M., & Lipiński, W. [Electrocardiographic changes in infectious diseases] Polska gaz. lek., 1936, 15: 809-12.

[Significance of electrocardiography in treatment of acute infectious diseases] Polska arch. med. wewn., 1938, 16: 463.—Gedda, L., & Asinelli, C. Ricerche sulle condizioni di circolo negli stati postinfettivi. Arch. sc. med., Tor., 1936, 61: 281-302.—Grosser, P. Die Behandlung der Kreislaufschwäche bei Infektionskrankheiten. Zschr. ärztl. Fortbild., 1931, 28: 50-2.—Guarino, A. Le modificazioni elettrocardiografiche durante il decorso di alcune malattie infettive: reumatismo articolare acuto, polmonite e broncopolmonite acuta, febbre tifoidea. Baglivi, 1937, 3: 125-41.—Hecht, A. F. The treatment of disturbances of circulation in infectious diseases of childhood. Ars medici, Wien, 1936, 14: 51-3.—Herderschöde, D. [The heart in scarlet fever and diphtheria] Ned. tschr. geneesk., 1930, 74: 248-58.—Joachim, G. Die Kreislaufschwäche bei akuten Infektionskrankheiten und ihre Behandlung. Med. Klin., Berl., 1939, 35: 171-4.—Käyser-Petersen, J. E. Fortlaufende Blutdruckmessungen bei Infektionskrankheiten (Typhus und Grippe) Verh. Deut. Ges. inn. Med., 1922, 34: Kongr., 431-3.—Kuiper, J. [The influence of infectious diseases upon the heart and blood vessels] Ned. tschr. geneesk., 1922, 66: pt 2, 2704-12.—Lebedev, D. Beobachtungen über die Herzfunktion der Kinder in der Rekonvaleszenz nach fieberhaften Zuständen. Jahrb. Kinderh., 1922-23, 3, F., 50: 295-311.—Lemke, R. Arterienveränderungen bei Infektionserkrankungen. Virchows Arch., 1923, 243: 52-80.—Lewy, F. Kreislaufschwäche bei Infektionskrankheiten. Klin. Wschr., 1930, 9: 1993-9.—Mentl, S. [Circulatory disorders due to infectious diseases] Sborn. lék., 1928, 30: 84-168.—Montes Pareja, J., Uraga, A., & Vázquez, J. Contribución al estudio del colapso en el curso de las enfermedades infecciosas agudas. Prensa méd. argent., 1933-34, 20: 1775-7.—Mulder, J. [Asthenic radial pulse in infectious diseases (James Mackenzie)] Ned. tschr. geneesk., 1940, 84: 1891-8, pl.—Nelson, G. The circulation in infectious diseases. South. M. J., 1920, 13: 861-5. — The bedside study of the circulation in acute and chronic infections. Virginia M. Month., 1926-27, 53: 91-5.—Pismarew, M. M. Ueber die durch Hyperpnoë entstehende, mittels CO₂-Bestimmung in der Alveolarluft feststellbare Hypokapnie als Ursache der lebensbedrohenden Zirkulationsschwäche (Atmungskomplex) bei akuten Infektionskrankheiten. Deut. Arch. klin. Med., 1930, 168: 287-300.—Pozzi, A. La pressione media nello studio dell'ipertensione arteriosa delle malattie infettive. Cuore & circol., 1932, 16: 233-52.—Rohrbach, E. Herz- und Infektionskrankheiten. Mitt. Biochem., 1940, 47: 12.—Scheer, K. Die Behandlung der Kreislaufschwäche bei akuten Infektionskrankheiten im Kindesalter. Zschr. ärztl. Fortbild., 1931, 28: 694-7. Also Prakt. Arzt, 1932, n. F., 17: 52.—Schottmüller. Zur Behandlung der Kreislaufschwäche bei akuten Infektionskrankheiten, insbesondere bei der kruppösen Pneumonie. Deut. med. Wschr., 1923, 54: 1538.—Schwarz, W. Osservazioni elettrocardiografiche in alcune malattie infettive acute (difterite, scarlattina) Cuore & circol., 1934, 18: 166-76, 2 pl.—Siemens, H. H. Diagnose und Behandlung von Kreislaufschädigungen bei Infektionskrankheiten. Med. Klin., Berl., 1938, 34: 1696.—Sisto, P. La cura delle insufficienze di circolo nelle malattie acute da infezione. Gazz. med. ital. 1937, 96: 239-45.—Smith, G. R. The use of cardiac stimulant

in acute infectious diseases. J. M. Ass. Alabama, 1935-36, 5: 415-7.—**Soaje Echague, E.** Alteraciones electro-cardiográficas al cours des maladies infectieuses aiguës. Bruxelles méd., 1938-39, 19: No. spéc., 40.—**Stead, E. A., jr., & Ebert, R. V.** The peripheral circulation in acute infectious diseases. Med. Clin. N. America, 1940, 24: 1387-95.—**Stejskal, K.** Ueber Kreislaufschwäche bei Infektionskrankheiten. Wien. med. Wschr., 1931, 81: 376-80.—**Taylor, F. R.** The circulation in the infections other than endocarditis, rheumatic fever, and syphilis. Virginia M. Month., 1923-24, 50: 624-8.—**Tour, A. F.** [Electrocardiographic observations in acute infectious diseases: tonsillitis, influenza, lobar pneumonia, pleurisy, and acute myocarditis of unknown causes] Ter. arkh., 1935, 13: 123-38.—**Tutiya, S.** Electrocardiographic studies in acute infectious diseases. Orient. J. Dis. Inf., Kyoto, 1933, 13: 57-60.—**Williams, W. R.** Circulatory failure in acute infectious diseases. Proc. Interst. Postgrad. M. Ass. N. America, 1936, 201-4.—**Zavodskoi, S. P.** [Mechanism of serious circulatory disorders in various infections] Vrach. gaz., 1930, 34: 437-40.

chronic.

See also Infection, latent; Infection, focal; also names of chronic specific infections as Syphilis; Tuberculosis, etc.

Baccarani, U. Sindrome neurasteniforme da piccole infezioni croniche nascente. Riforma med., 1930, 46: 199-201.—**Chaika, E. I.** [Certain forms of reaction of the constitution to chronic infection] J. méd., Kiev, 1939, 9: 99-107.—**Chapman, G. H., & Berens, C.** Comparison of intradermal tests with agglutinability and certain in vitro tests of streptococci, staphylococci, Micrococcus catarrhalis, and colon bacilli isolated from persons suspected of having chronic infection. J. Lab. Clin. M., 1938-39, 24: 601-4.—**Chapman, G. H., Berens, C.** [et al.] Examination of cultures from persons suspected of having chronic infection. Am. J. Clin. Path., 1939, 9: 491-503.—**Denslow, J. S.** A discussion of the effect of osteopathic lesion pathology on a chronic infection. J. Osteopathy, 1940, 47: No. 7, 20-3.—**Ferran, J.** Reflexiones sobre el mecanismo de la cronicidad en los procesos infectivos. Rev. espec. méd., Madr., 1908, 11: 1.—**Fuendeling, M. J.** Specific immunization in the treatment of chronic infections. Northwest M., 1936, 35: 119-26.—**Goliantzky, I. A.** [Integral therapy of chronic infections] Sovet. vrach. gaz., 1932, 205: 9.—**Gordon, A. S.** The bacteriology and bacterialergy in chronic infections. J. Bact., Balt., 1936, 31: 63.—**Gutfeld, F. von.** Die spezifische Diagnose chronischer Infektionen. Med. Welt, 1930, 4: 1646-8.—**Krause, A. K.** Remarks on chronic infections. Ann. Int. M., 1930-31, 4: 455-61.—**Shapiro, J. E.** [Chronic infections, rheumatism, syphilis, tuberculosis, and cancer] Ter. arkh., 1934, 12: 23-40.—**Stiles, M. H., & Chapman, G. H.** Relationship between agglutinability and certain in vitro tests of staphylococci, streptococci, and colon bacilli isolated from persons suspected of having chronic infection. J. Lab. Clin. M. 1938-39, 24: 620-3.—**Voornveld, H. J. A. van.** Hautwirkung und aspezifische Immunisierung bei chronischen Infektionen. Wien. med. Wschr., 1935, 85: 792-7.—**Witzel, A.** Die Bedeutung der Familienuntersuchung bei chronischen Infektionskrankheiten, insbesondere bei Tuberkulose oder Lues eines Ehegatten. Zschr. ärztl. Fortbild., 1922, 19: 684-8.

Classification.

Bezançon, F., & Philibert, A. Classification des maladies infectieuses. Presse méd., 1925, 34: 65.—**Höring, F. O.** Die Systematik uncharakteristischer Infektionen und deren Stellung im nosologischen System. Zschr. klin. Med., 1932, 121: 231.—**Liebermeister, G.** Das natürliche System der Infektionskrankheiten. Verh. Deut. Ges. inn. Med., 1937, 49. Kongr., Sekt. inn. Med., 384-8.

Climatic, meteorological and seasonal factors.

See also Epidemic (Climatic and geological factors); Meteorological and seasonal factors)

MEIDINGER, F. *De l'influence des facteurs atmosphériques sur les maladies infectieuses. 63p. 8° Par., 1932.

Aimes, A. L'humidité et la propagation des maladies infectieuses. Rev. hyg., Par., 1933, 55: 614-21.—**Ebert, M. K.** [Effect of temperature on the course of infectious process] J. mikrob., Moskva, 1936, 17: 590-4.—**Madsen, T.** Le rythme saisonnier des maladies infectieuses. Rev. hyg., Par., 1929, 2: 793-817. Also Pub. Health, Lond., 1929-30, 43: 309-20. The influence of seasons on infection. In his Lect. Epidem., Balt., 1937, 123-71, tab. diag.—**Martínez-Fortún y Foyo, O.** Benignidad de las infecciones en Cuba. Tr. Panamer. M. Congr. (1931) 1933, 3. Congr., 839-41.—**Mills, C. A.** Infection frequency and host resistance as influenced by climate and the weather. Proc. Pacific Se. Congr. (1939) 1942, 6. Congr., 5: 473-92.—**Monaco, B.** Resistenza alle intossicazioni microbiche di animali sottoposti a variazioni di pressione barica: variazioni della resistenza delle cavie alla intossicazione difterica o tetanica per effetto di brevi ascensioni

a quote di 6.500, di 4.500, e di 3.000 metri. Riv. med. aeronaut., 1939, 2: 252-8.—**Park, C. L.** The relation between geographical distribution, and climatic factors, and spread of plague, cholera, and smallpox. Proc. Pacific Se. Congr. (1939) 1942, 6. Congr., 5: 497-513.—**Schiotz, C.** [Acute infectious diseases and the seasons] Norsk. mag. laegevid., 1935, 96: 1-14.—**Seasonal incidence of infectious diseases** [Scotland]. Annual Rep. Dep. Health Scotland, 1939, 10: 104.—**Spring and summer infections.** Lancet, Lond., 1940, 2: 81.—**Wakil, A. W.** Seasonal periodicity of common acute infectious diseases in Egypt. J. Egypt. M. Ass., 1934, 17: 16-71.—**Winter (The) epidemics.** Brit. M. J., 1941, 1: 673.—**Wolf, J. E.** Vitamin- und Fermentgehalt des Blutes im Verlaufe von Infektionskrankheiten im Hochgebirge. Schweiz. med. Wschr., 1938, 68: 1393-5.—**Woringer, P.** Comment expliquer les variations saisonnières des maladies infectieuses? Rev. actin., Par., 1928, 4: 408. Also Rapp. Conf. internat. lumière (1928) 1929, 1. Conf., 156-60.

Clinical aspects.

ORDMAN, D. Some aspects of the local application of recent work in experimental medicine: (a) cerebrospinal meningitis, (b) pneumonia, (c) influenza, (d) typhoid fever, (e) typhus fever. 11p. 8° Johannesburg, 1936.

Bcnhamou, E. Du diagnostic du pronostic et du traitement des maladies infectieuses. Hôpital, 1925, 13: 538-41.—**Bieling, O.** Aus 40jähriger Krankenhaus- und Privatpraxis. Med. Welt, 1937, 11: 247-9.—[Clinical aspect of infectious diseases] In Otchet nauch. deiat. (Vsesoiuz. inst. eksp. med.) Moskva, 1940, 102.—**Cremonese, G.** La pericolosità di fronte alla medicina moderna. Riv. osped., 1933, 23: 229-34.—**Eaton, P.** Modern conceptions of infectivity. J. M. Ass. Georgia, 1926, 15: 415-20.—**Epidemics and the general practitioner.** Brit. M. J., 1940, 2: 422.—**Ferri, A.** Le forme ambulatorie nella pratica. Riv. med., 1923, 31: 178; 1924, 32: 4.—**Garrod, L. P.** Medical bacteriology; changes produced in infection. Nurs. Times, Lond., 1942, 38: 680.—**Hegler, C.** Seltener Infektionskrankheiten. Deut. med. Wschr., 1939, 65: 1509-14.—**Héricourt, J.** Les formes atténuées des maladies microbiennes chroniques. In his Frontières de la maladie, Par., 1920, 119-60. — Les formes atténuées des maladies microbiennes aiguës. Ibid., 163-97. — Généralités sur les maladies microbiennes aiguës, considérées dans leurs formes atténuées. Ibid., 163-7.—**Jensen, E.** Einfluss klimatischer und rassischer Faktoren auf den epidemiologischen Ablauf von Diphtherie und Scharlach. Arch. Schiff's Tropenhyg., 1938, 42: 481; 1939, 43: 487.—**Karczag, L.** [Clinics of the acute infectious diseases] Orvosképzés, 1933, 23: 386-96.—**Mariana, C.** La toxicidad y la virulencia infecciosas en la clínica. Actual. méd., Granada, 1942, 18: 166.—**Martínez-Fortún y Foyo, J. A.** De la fiebre y enfermedades agudas infecciosas; mis treinta años de ejercicio profesional en remedios; bosquejo histórico, clínico, epidemiológico y estadístico. Rev. med. cir. Habana, 1938, 43: 609-49.—**Peters, B. A.** Some ideas on the result of infections and their clinical application. Med. Off., Lond., 1931, 45: 37-41.—**Petersen, W. F., & Hecht, R.** The contrary therapeutic and sex relationship of syphilis and tuberculosis. J. Am. M. Ass., 1932, 99: 108-10.—**Portela, B.** O problema das infecções em obstetria. Impr. med. Rio, 1942, 18: No. 342, 82-7.—**Puccinotti, F.** Annotazioni cliniche sul cholera morbus e sulle malattie epidemiche e contagiose in generale. Filatre sebio, Nap., 1836, 11: 305; 1836, 12: 61; 110; 166.—**Schilling, V.** Erfahrungen als beratender Hygieniker und Interner unter besonderer Berücksichtigung der Blutuntersuchung. Med. Welt, 1937, 11: 1718-21.—**Schmitt, W.** Seltene Infektionskrankheiten. Mitt. Biochem., Lage, 1935, 42: 95-7.—**Schultz, W.** Praktische Winke zur Früherkennung, Verhütung und Frühbehandlung häufiger akuter Infektionskrankheiten. Med. Welt, 1934, 8: 81; 120.—**Sodeman, W. A.** Some clinical aspects of certain bacterial diseases. Am. J. M. Sc., 1937, 194: 125-35.—**Thomson, F. H.** Points in the diagnosis and treatment of the infectious diseases. Clin. J., Lond., 1924, 53: 61; 73; 85; 104.—**Wentzler, E.** Uebertragungsweise und Eigentümlichkeiten der häufigsten akuten Infektionskrankheiten. Kinderärztl. Prax., 1935, 6: 341-4.—**Wilkins, J.** A clinical lecture on some points on the diagnosis and treatment of infectious diseases. Postgrad. M. J., Lond., 1927-28, 3: 8-13.

Complications and sequelae.

See also such headings as Asthma, Bacteriology; Cancer, Causes; Local disorders of tissues, etc.

Greco, N. V. Cómo defenderse de las consecuencias de algunas enfermedades como la lepra y los males venéreos. Sem. méd., B. Air., 1935, 42: pt 2, 1773-8.—**Gregory, A.** Chirurgische Erkrankungen als Komplikation nach Typhus exanthematicus und recurrens. Deut. Zschr. Chir., 1923, 181: 66-73.—**Hegler, C.** Praktisch wichtige Komplikationen bei infektiösen Erkrankungen. Fortsch. Ther., 1936, 12: 718-23.—**Hesse, E.** Zur Kenntnis der chirurgischen Komplikationen und Nachkrankheiten des Fleckfiebers, Rückfallfiebers und des Paratyphus N. (Erzindjan) einer Mischinfektion des Recurrens. Arch. klin. Chir., 1924, 128: 739-814.—**Jausion, H., Pecker, A., & Meersseman, F.** Infections biotropiques et associations

morbides; essai d'interprétation des maladies secondes. Presse méd., 1927, 35: 1473-6.—**Kémeri, D.** [Pathogenesis of late complications of acute and chronic infectious diseases, and its dermatological aspect] Budapesti orv. ujs., 1937, 35: 1145-53.—**Rubashov, S. M.** [Surgical complications in typhus, relapsing and typhoid fevers] Vrach. gaz., 1923, 28: 100-2.—**Rudder, de.** Die Familiarität postinfektiöser Komplikationen. Mischr. Kinderh., 1934, 62: 180-2.

contagious.

See Communicable disease, contagious.

Control.

See also Antisepsis; Asepsis; Communicable disease, contagious; Control; Communicable disease, Control; Epidemic, Control; Group, Diseases: Prevention; Immunization; Quarantine, etc.

LANCET (The) Control of the common fevers, by 21 contributors. 361p. 22½cm. Lond., 1942.

McFarland, J. Fighting foes too small to see. 309p. 8°. Phila., 1924.

NOBEL, E. Prophylaxe der wichtigsten Infektionskrankheiten des Kindesalters. 62p. 8° Lpz., 1928.

ROBINSON, E. S. Recent progress in the prevention and treatment of scarlatina, measles and diphtheria. 61p. 8°. Providence, 1926.

Armstrong, W. G. The duties and responsibilities of the general practitioner in regard to infectious diseases. Med. J. Australia, 1924, 2: 463-7.—**Bravo y Frias.** Contribución al estudio de la profilaxis de las enfermedades infecciosas en la infancia. Arch. med., Madr., 1928, 29: 338-46. Also Rev. méd. Barcelona, 1928, 10: 3-14.—**Bustamante, M. E.** Algunos factores para contrastar las enfermedades transmisibles. Tr. Panamer. M. Congr. (1931) 1933, 3. Congr., 335-50.—**Carnwath, T.** Presidential address on some aspects of the problem of the prevention and control of infectious disease. J. R. San. Inst., 1935-36, 56: 91-5.—**Catto, H. W.** The changing outlook on the control of infectious diseases. J. R. San. Inst., 1934, 54: 559-68.—**Control y profilaxis de las enfermedades transmisibles al hombre.** Bol. san., B. Air., 1938, 2: 799-801.—**Control (The)** of infectious diseases. Med. Off., Lond., 1942, 68: 1.—**Cottle, G. F.** The control of communicable disease. U. S. Nav. M. Bull., 1939, 37: 357-60.—**Della Cioppa, A.** Le affezioni catarali del naso e della gola in rapporto alla profilassi delle malattie infettive. Italia san., 1924, 16: No. 27, 9-13.—**Donnelly, F. A., & Nelson, H.** Some observations on the control of infectious disease. S. Afr. M. J., 1935, 9: 629-41.—**Doull, J. A.** Infections and infestations; miscellaneous infections. In Prevent. Med. Modern Pract. (J. A. Miller) N. Y., 1942, 268-86.

Dupont, H. La lutte contre les maladies pestilentielles. Mouvement hyg., Brux., 1908, 24: 361-74.—**Edwards, A. C.** Typhoid and diphtheria on the way out. Bull. Bd Health Wisconsin, 1940, 6: No. 17, 8-10.—**Erikson, C. A., & Sauer, L. W.** Control of infection begins in the Cradle. Mod. Hosp., 1940, 55: No. 4, 54-7, illust. plans.—**Fischl, R.** Die Prophylaxe der Infektionskrankheiten. Erg. ges. Med., 1928, 11: 181-202.—**Flemming, C. E. S.** Disappearing diseases. Brit. M. J., 1926, 1: 321.—**Freeman, A. W., & Fales, W. T.** Control of communicable diseases. Pub. Health Bull., Wash., 1923, 136: 52-85.—**García del Destro, J.** Profilaxis general durante todos los períodos de la infancia. Rev. san., Madr., 1933, 8: 329-48.—**Gibson, T.** The prevention and control of infective diseases. J. R. San. Inst., 1934, 54: 519-32.—**Groer, F.** [Essential knowledge of pathology and control of infectious diseases] Polska gaz. lek., 1927, 6: 794-7.—**Herdman, R. D.** Laboratory comments. Delaware M. J., 1936, 8: 177.—**Imura, Y.** Prevention of acute infectious diseases. In League of Nations. Health Organ. in Japan, Genève, 1925, 207-38, 5 ch.—**Kampf (Der)** gegen die Seuchen. Umschau, 1940, 44: 301.—**Kenwood, H. R.** The reduction of preventable disease; a few observations thereon. J. State M., Lond., 1930, 38: 444-8.—**Kober, G. M.** The management and control of infectious diseases. Bull. Vermont Bd Health, 1911-12, 12: No. 4, 3-25.—**Laache, S.** [Etiology and prevention of acute infectious diseases] Med. rev., Bergen, 1925, 42: 374-90.—**Luterloh, P. W.** The control of infection. Internat. J. M. & S., 1931, 44: 120-6.—**McLaughlin, A. J.** The outlook in communicable disease control. Michigan Pub. Health, 1938, 26: 5-9.—**Marín, R.** Influencia de las medidas profilácticas, en la no propagación de las enfermedades infecto-contagiosas. Mem. Congr. méd. panamer. (1896) 1898, 2. Congr., 2: 735-52.—**Matheson, C.** Some animals and public health. J. R. San. Inst., 1942, 62: 128-36.—**Padua, R. G.** Two fundamental factors in the control of infectious diseases. J. Philippine Islands M. Ass., 1939, 19: 476-81.—**Paton, R.** Control of infectious disease. Pub. Health, Lond., 1922-23, 36: 153-9.—**Pepçu, F.** Profilassi delle malattie infettive e disinfezioni. Boll. Ist. sieroter. milan., 1926, 5: 183-7; 365-73.—**Practitioner (The)** and infectious disease. Brit. M. J., 1934, 1: Suppl., 153; 213.—**Prophylaxis** of acute specific fevers.

Brit. M. J., 1943, 1: 229.—**Rice, T. B.** The control of epidemic disease. Month. Bull. Bd Health Indiana, 1942, 45: 52.—**Secret service** in public health. Illinois Health Mess., 1941, 13: 125.—**Shuttcr, M. D.** The warfare of science against disease. J. Lancet, 1923, 43: 291-7.—**Sister M. Helen.** Epidemic. Med. Missionary, Phila., 1941, 15: 45.—**Teissier, P.** Les maladies infectieuses et l'hygiène sociale. Gaz. hôp., 1927, 100: 1361-4.—**Tricomi, E.** Difesa sociale contro le malattie. Med. sociale, Nap., 1924, 14: 37-42.—**Vila Rodríguez, A., García Ibáñez, A., & Martín Pérez, P. L.** Concepto actual de la lucha y defensa contra las enfermedades importables por mar y tierra. Actas Congr. nac. san., Madr. (1934) 1935, 1. Congr., 1: 89-112.—**Wadley, S. L.** Communicable disease control. Memphis M. J., 1941, 16: 44-6.

Control: Methods.

BATEMAN, A. Infectious diseases, disinfectants, garbage disposal; instruction paper. 31p. 8°. Chic. [1918]

DEVIN, L. G. *La prophylaxie des maladies contagieuses en préventorium. 184p. 25½cm. Naney, 1937.

GUYTON-MORVEAU. Metodo per purgare le arie infette e per preservarsi da tutte le malattie contagiose ... ed estratto di notizie relative al metodo stesso di Cadet de Veaux con esperienze del signor Pareoletti. 2. ed. 56p. 21cm. Milano, 1831.

IOWA, U. S. A. STATE DEPARTMENT OF HEALTH. Rules and regulations relating to communicable and other reportable diseases. 80p. 8°. Des Moines, 1935.

Anderson, J. F. Some of the newer biologic methods for the control of infectious diseases. Am. J. Pharm. Educ., 1942, 6: 329-38.—**Battoni, E.** Mezzi e metodi di profilassi delle malattie infettive. Pediat. prat., Mod., 1932, 9: 189; 203.—**Benavides, B. M.** Labor de la enfermera visitadora en la lucha contra la sífilis y la tuberculosis. Salud & san., Bogotá, 1936, 5: No. 47, 19-21.—**Burdman, A.** [Prevention of epidemics in homes] Vrach. gaz., 1931, 35: 533-6.—**Bull, H. W.** The control and prevention of infectious diseases by the newer methods. Health Bull., Melb., 1930, 743-7.—**Burdick, W. F.** What may be done in control and prevention of the common contagious diseases. Med. Ann. District of Columbia, 1938, 7: 81-5.—**Clay, C. C.** Control of infections and isolation of infected patients. Hospitals, 1939, 13: No. 6, 53-6.—**Danilevich, M.** Prophylaxis of children's infections in the second 5 year plan] Sovet. vrach. gaz., 1932, 36: 1035-9.—**Degkwitz, R.** Prinzipielles und Praktisches zur Methodik der Bekämpfung akuter Infektionskrankheiten im Kindesalter. Gesundheitsförs. Kindesalt., 1925, 1: 109-19.—**Die Bekämpfung der akuten Infektionskrankheiten im Kindesalter vom Standpunkte des Schularztes.** Veröff. Medverwalt., 1927, 24: 693-710.—**Deischer, H.** Familienprophylaxe bei Infektionskrankheiten. Fortsch. Ther., 1930, 6: 53-8.—**Garrahan, J. P.** Sugestiones sobre profilaxis de la sífilis y de la tuberculosis en la escuela. Rev. As. méd. argent., 1924, 37: Soc. hig. microb., 21-5.—**Gorman, A. E.** Public health engineering aspects of epidemiological investigations of water- and food-borne outbreaks. Am. J. Pub. Health, 1940, 30: 1399-1405.—**Hamburger, F.** Moderne Prophylaxe der Infektionskrankheiten im Kindesalter. Wien. med. Wschr., 1932, 82: 203-5.—**Harries, E. H. R.** The use of specific prophylactic measures in the control of acute infectious diseases. Postgrad. M. J., Lond., 1941, 17: 185-9.—**Henderson, R. G.** Advances in the treatment and control of epidemic diseases. Nurs. Times, Lond., 1941, 37: 227; passim.—**Hoyne, A. L.** Modern methods of control for measles, scarlet fever, and diphtheria. Minnesota M., 1943, 26: 167-70.—**Lahille, F.** El método biológico de lucha contra las plagas. Rev. Fac. agron. vet., B. Air., 1927-28, 6: 50-72.—**Lewandowski, A.** Die Infektionskrankheiten des Kindesalters und die praktische Kinderfürsorge. Gesundheitsförs. Kindesalt., 1925, 1: 120-33.—**Marginesu, P.** Attuali conoscenze sull'epidemiologia e profilassi delle infezioni più comuni dell'età scolastica. Igiene della scuola, 1921, 12: 49; 73; 97.—**Matérn, H. von** [Schools and infectious diseases] Hygika, Stockh., 1916, 78: 161-213.—**Misure** contro la diffusione delle malattie infettive dell'uomo e degli animali. Progr. ter., Milano, 1902, 7-31.—**Paul, H.** Modern practice in relation to infectious diseases and disinfection. Practitioner, Lond., 1938, 141: 79-88.—**Pritchard, D. E. P.** The control of infectious disease in rural areas. J. R. San. Inst., 1935-36, 56: 432-6.—**Puente, J. J.** Profilaxis antivenerea, antileprosa y antirrábica. Sem. méd., B. Air., 1926, 33: pt. 2, 197.—**Rhode.** Fortschritte in der Bekämpfung bakterieller Infektionen. Umschau, 1939, 43: 753-5.—**Robertson, J., Box, C. R.** [et al.] Discussion on the modern control of infectious diseases. Proc. R. Soc. M., Lond., 1925-26, 19: Sect. Med., 7-28.—**Sagona, L.** Il valore della propaganda contro la tubercolosi e le malattie veneree. Rinasce. med., 1924, 1: 258.—**Siegl, J.** Zur Bekämpfung von Diphtherie und Scharlach in Stadt und Land. Wien. med. Wschr., 1938, 88: 509-14.—**Stuart, H. C.** Progress of public health as it relates to the child. J. Pediat., S. Louis, 1935, 6: 839-49.—**Trannoy.** Des moyens propres à prévenir les maladies con-

tagieuses ou à en arrêter les progrès. *Gaz. san., Par.*, 1835, 4: 142-55.—**Uhlenhuth, P.** Die experimentelle Forschung im Dienste der Seuchenbekämpfung unter Berücksichtigung eigener Forschungsergebnisse. *Schweiz. med. Wschr.*, 1939, 69: 895-901.—**Wildgrube, F.** Der gegenwärtige Stand der spezifischen Bekämpfung der akuten Infektionskrankheiten. *Gesundhfs. Kindesalt.*, 1932, 7: 109-23.

Control: Organization.

AUPHELLE, M. *Protection sanitaire de l'Indo-Chine française en matière de maladies pestilentielles. 88p. 8° *Par.*, 1937.

SOUZA ARAUJO, H. C. DE. A prophylaxia da lepra e das doenças venereas no Estado do Pará. 311p. 8° *Belem-Pará*, 1922.

Barinsky, F. V. [Results of the epidemics control work in the Ukraine at the 23. anniversary of the October Revolution] *Vrach. delo*, 1940, 22: 723-6.—**Bifulco, C.** La profilassi delle malattie infettive a Venezia. *Rass. internaz. clin. ter.*, 1924, 5: 98-110.—**Breger, J.** Die Bekämpfung der Infektionskrankheiten in England. *Klin. Wschr.*, 1925, 4: 508-11. — Zur Geschichte der reichseinheitlichen Bekämpfung übertragbarer Krankheiten. *Reichsgesundhbl.*, 1939, 14: 131-4.—**Cameron, J. J.** Control of communicable disease; a federal responsibility. *Canad. Pub. Health J.*, 1938, 29: 446.—**Cernozubov, N.** [Organization for control of infectious diseases in Croatian Banovina] *Liječ. vjes.*, 1940, 62: 220-5.—**Control of epidemics; the Epidemic Commission of the League.** *Chin. M. J.*, 1938, 54: 182-9.—**Degkwitz.** Ueber die Möglichkeit einer umfassenden Prophylaxe der akuten Infektionskrankheiten. *Münch. med. Wschr.*, 1925, 72: 616.—**De Nunno, R.** Profilassi e terapia delle più importanti malattie sociali in periodo di intensa attività industriale. *Malatt. soc.*, 1937, 58: 826-30.—**Eiker, B. L.** Problems in the control of acute infectious diseases in the rural districts of Iowa. *J. Iowa M. Soc.*, 1930, 20: 163-7.—**Emerson, H.** State procedures for communicable disease control. *Am. J. Pub. Health*, 1939, 29: 701-8.—**Epidemic commission to aid China.** *J. Am. M. Ass.*, 1938, 110: 137.—**Fight (The) against epidemic diseases (Palestine)** *Ibid.*, 1943, 121: 779.—**Flexer, S. J., & Rosenman, L. A.** [Medical rural stations for control of diarrhea and measles] *Feldsher, Moskva*, 1939, No. 5, 13-5.—**Fontenelle, J. P.** A defesa contra a malária e contra a peste no Distrito Federal. *Fol. med.*, Rio, 1939, 20: 367-71. — Alguns aspectos da luta contra as doenças transmissíveis no Rio de Janeiro. *Ibid.*, 1942, 23: 100; 107; 125; 137.—**Hahn, M.** L'organisation permanente de la prophylaxie des maladies infectieuses. *Rev. hyg., Par.*, 1927, 49: 881-96.—**Héricourt, J.** Défense internationale contre les maladies épidémiques, et systèmes quarantaines. In *his Frontières de la maladie*, *Par.*, 1920, 246-54.—**Hobday, F.** The value of collaboration between the medical and veterinary professions for the eradication of anthrax and tuberculosis. *Vet. Rec., Lond.*, 1925, 5: 500-3.—**Infectious diseases control [Egypt]** *J. Trop. M. & Hyg., Lond.*, 1935, 38: 61-4.—**Kagan, S. S.** [Organization of state governmental hygienic inspections of all medical-hygienic institutions for control of epidemics] *Radianska med.*, 1940, 5: No. 7, 87-9.—**Kamel Hanna Bey.** Prophylaxis against infectious diseases in Egypt. *J. R. San. Inst.*, 1926-27, 47: 597-600.—**Kopetzky, O. von.** Die Bekämpfung von Diphtherie und Scharlach in Wien. *Wien. klin. Wschr.*, 1938, 51: 555-9.—**Licéaga, E.** El combate contra la fiebre amarilla y la malaria en la República Mexicana. *Mem. Congr. méd. nac. mex.*, 1910, 4. Congr., 579-87.—**Lutte (La) contre la tuberculose, les maladies vénériennes et d'autres maladies infectieuses; la protection des mères et des enfants en Ecosse au 31 décembre 1922.** *Bull. Off. internat. hyg. pub.*, *Par.*, 1924, 16: 307-20.—**Maladies visées par les conventions internationales.** *Ibid.*, 1938, 30: 2433-41.—**Maxcy, K. F.** Some problems in the administrative control of acute infectious diseases. *Illinois Health Mess.*, 1937, 9: 23-5.—**O'Dwyer, J. J.** Emergency field sanitation. *J. Malaya Brit. M. Ass.*, 1940, 3: 387-95.—**Opitz, A.** Der praktische Arzt im Kampf gegen die Gefahr bei akut-fieberhaften Erkrankungen. *Med. Welt*, 1937, 11: 788-92.—**Pereira de Souza, M. C.** O serviço de doenças transmissíveis no distrito sanitario modelo do estado do Rio de Janeiro. *Fol. med.*, Rio, 1942, 23: 37-9.—**Pickles, W. N.** Epidemiology in country practice. *Proc. R. Soc. M., Lond.*, 1934-35, 28: 1337-42, pl.—**Profilaxis desarrollada en el presente año: profilaxis de la fiebre tifoidea; profilaxis de la lepra; lucha contra el bocio endémico; lucha contra el paludismo.** *An. Dep. nac. hig.*, *B. Air.*, 1924, 30: 57-66.—**Roberts, M. H.** The incidence of the common contagious diseases in the U. S. A. with a discussion of prevention. *Bull. Fulton Co. M. Soc.*, 1941, 15: No. 16, 7.—**Schulte, H.** Die seuchenhygienische Ueberwachung polnischer Landarbeiter durch das Gesundheitsamt. *Off. Gesundhdsinst.*, 1940-41, 6: A, 640-5.—**Seuchenbekämpfung.** *Praxis, Bern*, 1942, 31: 776.—**Seyfarth, C.** Infektionskrankheiten und ihre Bekämpfung unter den kleinasiatischen Flüchtlingen in Griechenland, Kreta und Korfu. *Zschr. Hyg.*, 1925, 104: 682-702.—**Symposium on the White House Conference on child health and protection.** *Pub. Health Bull., Wash.*, 1932, No. 201, 69-85.—**Tomanek, E.** [Tasks of a country doctor in infectious diseases] *Bratisl. lek. listy*, 1938, 18: Suppl. No. 3, 33; Suppl. No. 4, 53.—**Tomcsik, J.** La lutte contre les maladies infectieuses dans les

villages hongrois. In *Probl. san. pop. rurale România, Bucur.*, 1940, 1011-16.—**Ulianov, L. D.** [Control of epidemic diseases in Soviet Russia] *Radianska med.*, 1940, 5: No. 3, 76-80.—**World health and the League of Nations.** *J. Am. M. Ass.*, 1937, 109: 2142.—**Zeitlin, A.** [Control of infectious diseases in children in the Sverdlovsk region] *Pediatrica, Moskva*, 1942, No. 4, 10-5.

Convalescence.

See also **Convalescence.**

Bryant, J. Convalescence: a problem in preventive medicine and public health. *Boston M. & S. J.*, 1923, 188: 99-110.—**Delaunay.** Sur la convalescence des maladies infectieuses. *Bruxelles méd.*, 1933-34, 14: 964.—**Dennig, H.** Ueber die Rekonvaleszenz nach Infektionskrankheiten. *Zschr. ärztl. Fortbild.*, 1937, 34: 255-7.—**Reznikoff, P.** White blood cell counts in convalescence from infectious diseases. *Am. J. M. Sc.*, 1932, 184: 167-84.

Course.

See also subheading **Clinical aspects.**

Bitter, L. Ueber den klinischen Verlauf der durch Paratyphus B- und Enteritis-Breslau-Bakterien bedingten Erkrankungen. *Zschr. Hyg.*, 1923, 100: 347-9.—**Finkelstein, H.** Normas en el curso de las enfermedades agudas febriles. *Rev. méd. Chile*, 1941, 69: 429-38.—**Friede, K. A., & Shukov-Wereshnikov, N. N.** Ueber den Einfluss der Aussentemperatur auf den Verlauf des Infektionsprozesses bei Kaltblütern. *Zschr. Immunforsch.*, 1929, 63: 93-106.—**Nicollé.** Vida de las enfermedades infecciosas. *Dia méd.*, *B. Air.*, 1930-31, 3: 207.—**Renaud, M.** Sur l'importance des facteurs secondaires dans l'évolution des maladies infectieuses. *Bull. Soc. méd. hôp. Paris*, 1927, 3. ser., 51: 279-81.—**Seiffert, W.** Experimentelle Untersuchungen über den Ablauf der Infektion per os unter wechselnden Lebensbedingungen. *Arch. Hyg., Berl.*, 1929, 101: 117-36.—**Sergent, E.** Représentation graphique des accès de maladie infectieuse par un crisigramme. *C. rend. Soc. biol.*, 1937, 124: 248-50.

Defense mechanism of body.

See also subheadings (**Immunity; Pathogenesis; Pathology, humoral**) also **Agglutination; Bacteriophagy; Blood, Bactericidal power; Opsonin; Phagocytosis, etc.**

AGUILERA VISCHI, M. *El poder hemobactericida en las enfermedades infecciosas [Chile] 81p. 26cm. *Santiago*, 1940.

COUSIN, J. *Contribution à l'étude du rôle biologique de la peau dans les infections. 56p. 8° *Par.*, 1928.

KEYHANI, N. *Analyse des propriétés défensives de l'organisme vis-à-vis des agents infectieux. 110p. 8° *Par.*, 1936.

Abderhalden, E. Die Bedeutung der Fermentanpassung für den Verlauf einer Infektion und für ihre Abwehr. *Med. Klin., Berl.*, 1941, 37: 408.—**Allen, L. H.** Lymphatics in infection. *Bull. Univ. Hosp. Georgia*, 1941, 3: No. 3, 15.—**Bazzocchi, G.** Vitamin C; potere battericida del sangue ed infezione. *Ann. ital. chir.*, 1937, 16: 807-40.—**Bieling, R.** Abwehrvorgänge am und im Körper gegen Infektionserreger. *Zbl. inn. Med.*, 1938, 59: 625; 641.—**Busse, W.** Die Leukocytose, eine Schutzvorrichtung des Körpers gegen Infektion; eine klinische und experimentelle Studie. *Arch. Gyn., Berl.*, 1908, 85: 1-120.—**Cannon, P. R.** Defense mechanisms in infectious and related diseases. *Annual Rev. Physiol.*, 1940, 2: 387-410.—**Crandall, L. A.** Response of the body to infection; immunity and fever. *Northwest M.*, 1936, 35: 223-7.—**Decamps, N.** Les déterminants constitutionnels de la défense contre l'infection. *Bull. Soc. form. humain.*, *Par.*, 1926, 4: 145-57, ch.—**Grunke, W.** Die Phagocytose bei akuten Infektionskrankheiten und durch parenterale Eiweisszufuhr erzeugten Fieberzuständen. *Zschr. klin. Med.*, 1936, 130: 439-44.—**Gundel, M.** Infektionsabwehr. *Deut. med. Wschr.*, 1939, 65: 881-4.—**Harkness, G. F.** Reactions to infection. *Tr. Am. Laryng. Ass.*, 1932, 38: 487-501. Also *Ann. Otol. Rhinol.*, 1932, 41: 108-24.—**Herb, F.** The two handicaps in nature's scheme to protect the human body against acute infectious diseases. *Med. J. & Rec.*, 1929, 129: 421-4.—**Jeanney, G.** Pouvoir hémobactéricide et infection. *P. verb. Congr. fr. chir.*, 1938, 47. Congr., 568-71. — **Castanet, P., & Cator, G.** Etude du pouvoir hémobactéricide en gynécologie et en obstétrique. *Rev. fr. gyn. obst.*, 1939, 34: 347-64.—**Knauer, H.** Die Bedeutung der Haut im Abwehrkampf gegen Infektionskrankheiten. *Klin. Wschr.*, 1938, 17: 1510.—**La Porta, L.** Lucha del organismo contra las enfermedades infecciosas. *Prensa méd. argent.*, 1925-26, 12: 522-4.—**Magara, M.** Sur le rôle anti-toxi-infectieux de l'hormone sexuelle. *C. rend. Soc. biol.*, 1937, 125: 779-81.—**Mela, B.** Ricerche sullo stato di difesa dei tessuti anestetizzati nei rapporti con l'infezione. *Gior. batt. immun.*, 1932, 8: 36-46.—**Reimann, H. A.** The significance of fever and blood protein changes in regard to defense against infection. *Ann. Int. M.*,

1932, 6: 362.—Reiss, E. Die Leber als Abwehrorgan bei bakteriellen Infektionen. Münch. med. Wschr., 1938, 85: 1940-2. — Untersuchungen über die intravitale Abwehr gegen intravenös eingespritzte Bazillen bei immunisierten und normalen Kaninchen. Arch. Hyg., Münch., 1939, 122: 197-211. — Zusammenballung von Bakterien im lebenden Körper als Abwehrnassnahme. Umschau, 1939, 43: 582.—Seiser, A., Dombrowsky, K. H., & Bieling, R. Untersuchungen über lokale Infektionsabwehr. Arch. Hyg., Münch., 1938, 120: 166-79.—Sergent, E., Parrot, L., & Donatien, A. Zusammenfassende Betrachtung über den Begriff der Premunition. Med. Welt, 1935, 9: 411.—Sirotnin, N. N. [Significance of constitutional reaction during the course of infections] Vrach. delo, 1937, 19: 541-6.—Steinberg, B. Effect of hyperleukocytosis (hyperleukocytic pre-immunity) on infection. Proc. Soc. Exp. Biol., N. Y., 1931, 39: 18-20.—Stoeltzner, W. Antagone. Münch. med. Wschr., 1927, 74: 1263; 1325.—Zárday, I., & Razgha, A. Infektion und hämatologische Abwehr. Zbl. inn. Med., 1936, 57: 417-23.

Diagnosis.

See also Communicable disease, Diagnosis; Infectious disease, Allergy.

FERRIO, L. La diagnosi clinica delle malattie interne. Vol. 1: Malattie da infezione. 3. ed. 961p. 8° Tor., 1932.

HILGERMANN, R., & LOSSEN, J. Diagnostik der Infektionskrankheiten mittels bakteriologischer, serologischer, zytologischer und chemischer Untersuchungsmethoden; mit einem Anhang: Die Vakzinotherapie. 499p. 8° Jena, 1923.

Abels, H. Welche Rückschlüsse gestatten Verbreitungsart und Prophylaxe der Infektionskrankheiten auf Morphologie und Biologie ihrer Erreger. Wien. med. Wschr., 1925, 75: 2373-9.—Aubertin, C. Ponction sternale dans les infections aiguës. In Année méd. prat., Par., 1939, 18: 389.—Berkesy, L. [Value of laboratory methods in diagnosis of infective diseases] Orvosképzés, 1935, 25: 509-14.—Bormann, F. von. Früh- und Fehldiagnosen bei Infektionskrankheiten. Deut. med. Wschr., 1935, 61: 245-9. Also in Samml. wicht. Frühdiagn., Lpz., 1936, 88-102.—Bozal Urazay, V. La reacción de Costa en las enfermedades infecciosas. Progr. clin., Madr., 1933, 41: 691-5.—Chediak, M. El laboratorio clínico en las enfermedades infecciosas. Rev. méd. cubana, 1933, 44: 1383-8.—Cumming, H. S. Laboratory aid in the diagnosis of certain febrile diseases. Internat. Clin., 1932, 42, ser., 4: 7-13.—D'Amato, L. Su di una nuova emodiazinasi delle infezioni tifoide e della infezione melitense mediante la reazione emoclasica. Riforma med., 1928, 44: 32.—Flanchik, S. I., & Beckman, E. K. [Cytomorphology of the cantharidal blister as index of the reaction of the organism in certain infectious diseases] Klin. med., Moskva, 1941, 19, No. 2, 145-7.—Flerov, K. F. [Diagnosis of infectious diseases] Ibid., 1925, 3: 370.—Fronticelli, E. La reazione della uroeritina per la diagnosi differenziale fra tifo e malaria. Policlinico, 1924, 31: sez. prat., 313.—Gatto, A. Comportamento della prova del Rosso Congo di Adler e Reimann in alcune malattie infettive dell'infanzia. Med. inf., Roma, 1937, 8: 280-90.—Gaub, W. H. Interpretation of some laboratory reports. Papers Health Work. Conf. Tennessee, 1937, 9: 72-6.—Goodall, E. W. The diagnosis of the infectious diseases. Clin. J., Lond., 1926, 55: 13-20.—Harrower, H. R. A new diagnostic agent in occult infections. Med. Rev. of Rev., 1933, 39: 427-30.—Herderschee, D. [Laboratory methods in acute infectious diseases] Ned. tchr. geneesk., 1925, 69: 1810-8.—Herz, A. Infektionskrankheiten. In Prakt. Differentialdiag. (Honigsmann) Dresd., 1929, 1: 447-546.—Kalocsay, K. Fertőzö betegségek diagnosztikája. In Klin. diagn. (V. Müller) Budap., 1937, 1: 1-29.—Keefer, C. S. The interpretation of laboratory examinations in the diagnosis of infectious diseases. California West. M., 1940, 53: 111; 173; 214; 263.—Lifshitz, G. I. [History of the disease in acute infections] Sovet. vrach. J., 1938, 42: 779-84.—Matthes, M. Infektionskrankheiten. Diagn. ther. Irrtüm., 1923, H. 9, 1-156.—Moore, F. L. The interpretation of laboratory reports. Papers Health Work. Conf. Tennessee, 1937, 9: [Discussion] 76-80.—Opitz, H. Diagnostik der akuten Infektionskrankheiten im Jugendalter. In Handb. jugendärztl. Arb. (W. Zeller) Lpz., 1938, 1: 133-50.—Piccoli, E. La diagnosi di laboratorio delle più comuni malattie infettive e parassitarie. Gior. med. mil., 1935, 83: 1112-32.—Ravalico, G., & Konecny, A. La reazione di Costa, suo comportamento nella difterite e nella febbre tifoidea. Riforma med., 1938, 54: 423-5.—Reinhardt, W. Ueberraschende Durchleuchtungsbefunde bei schweren, unklaren, hochfieberhaften Krankheitsbildern. Kinderärztl. Prax., 1939, 10: 101-3.—Russ, V. Sanitäre Massnahmen bei Infektionskrankheiten (mit besonderer Berücksichtigung der Einsendung von Untersuchungsmaterial) Wien. klin. Wschr., 1926, 39: H. 37 [Sonderb.] 1-19.—Tesauro, G. La reazione novocaino-formalina di Costa. Atti Soc. ital. ostet., 1924, 23: 379-87.—Testolin, M., & Pujatti, D. Sul valore della reazione emoclasica del D'Amato in varie malattie infettive. Riforma med., 1930, 46: 2021-3.—Wolff, G. Die bakteriologische und serologische Diagnostik der Infektionskrankheiten; eine kritische Würdigung ihrer Bedeutung für Klinik und Seuchenbekämpfung. Erg. ges. Med., 1923, 4: 46-106.

Diagnosis, differential.

Amaya, C. A. Fiebre recurrente y paludismo agudo; necesidad de un diagnóstico rápido. Repert. med. cir., Bogotá, 1923-24, 15: 449-58.—Del Sel, M., & Palma, A. C. Estado febril prolongado no infeccioso. Prensa méd. argent., 1938, 25: pt 2, 1842-8.—Lipsky, I. I. [Significance of comparative (focal) leucocythemia as differential-diagnostic method in acute suppurative surgical affections] Tr. Kuban. gosud. med. inst. armii, 1938, No. 11, 3-31.—Matthes, M. Ueber die Differentialdiagnose einiger Infektionskrankheiten. Etschland. Aerztebl., 1928, 7: 229-37. Also Zschr. ärztl. Fortbild., 1928, 25: 409; 441.—Naegeli, O. Die Differentialdiagnose der fieberhaften Zustände und der beginnenden Infektionen. In his Differ. Diagn. inn. Med., Lpz., 1936-37, 415-50. — Differentialdiagnose zwischen Typhus, Milariertuberkulose, Sepsis und Bangseher Krankheit. Ibid., 456-63.—Rivas Maza, F. de P. Observaciones de pseudo-paludismo y pseudo-tuberculosis. Rev. med. cir., Caracas, 1924-25, 8: 69-80.—Sziirmai, F. [Diagnosis pitfalls in acute infectious diseases] Gyógyászat, 1936, 76: 561; 580.—Todorovich, K. [Difficulties in differential diagnosis of infectious diseases] Voj. san. glasnik, 1934, 5: 193-206.—Waldman, V. A. [Hyperthermia, neurosis or infection?] Sovet. vrach. J., 1936, 1: 1763-70.—Wesselhoft, C. Differential diagnosis of common infectious diseases. Med. Clin. N. America, 1940, 24: 1523-40.

Diagnosis, etiological.

See also Bacteria, Cultivation; Virus disease, Diagnosis, etc.

Barbagallo, G. La sterno-medullo-cultura nelle malattie infettive. Policlinico, 1938, 45: sez. med., 230-43.—Bierring, W. L. State bacteriological examinations as a diagnostic aid for the control of infectious diseases. Tr. Iowa M. Soc., 1903, 21: 338-43 [Discussion] 360-3.—Bitter, L. Zur Unterscheidung der Erreger von Enteritis- und Paratyphuserkrankungen. Zbl. Bakt., 1. Abt., 1922, 88: Orig., 435-55.—Kauffmann, F. Vergleichende Untersuchungen an Pseudotuberkulose, Paratyphus, Pasteurella und Pestbakterien. Zschr. Hyg., 1932, 114: 97-105.—Knumuratsov, A. P. [Long bones as best material for bacteriological diagnosis of infectious diseases] Eksp. vet., Moskva, 1927, 4: 82-100.—Kolmer, J. A. The bacteriological and immunological diagnosis of infectious diseases. Pract. Libr. M. & S., 1932, 2: 441-80.—Picazio, A. Sulla ricerca dei bacilli del tifo, dei paratifi e dissenterici mediante il terreno di Endo diversamente modificato. Atti Congr. internaz. med. farm. mil., 1923, 2. Congr., 2: 310-7.—Solis-Cohen, M. Determining the infecting organism in systemic disease in children. Arch. Pediat., N. Y., 1934, 51: 419-29.—Stiles, M. H., & Chapman, G. H. Probable pathogenic streptococci and staphylococci in chronic low grade illness; an analysis of their frequency in 395 cases. Arch. Otolaryng., Chic., 1940, 31: 458-66.

Diagnosis, serological.

See also Serodiagnosis; also under names of serodiagnostic tests as Complement fixation, etc.

MICHAUX, R. *Etude du temps de désintégration par hydrolyse de quelques microbes; essai d'application clinique des désintégrats au diagnostic de certaines maladies. 47p. 25cm. Lyon, 1933.

SCHERN, K. Technik der veterinären Serodiagnostik bei Infektionskrankheiten unter besonderer Berücksichtigung der Rotzkrankheit. 51p. 8° Berl., 1915.

Altounyan, E. H. R. Serum diagnosis in Syria; an analysis of 2,868 cases. Lancet, Lond., 1924, 1: 73-6.—Brandt, R. Die serologische Diagnose von Gonorrhoe und Tuberkulose bei bestehender seropositiver Lues. Wien. klin. Wschr., 1936, 49: 775-7.—Cahn-Bronner, Zur Serodiagnostik der Krankheitsintensität bei Infektionskrankheiten. Verh. Deut. Ges. inn. Med., 1924, 36. Kongr., 282.—Fragomele, A. La prova della saturazione del Castellani per la diagnosi di alcune malattie infettive. Riforma med., 1923, 39: 145.—Guilherme Lacorte, J. Séro-aglutinação; aplicações ao diagnóstico de algumas moléstias infecciosas. Acta med., Rio, 1942, 9: 19-32.—Hecht, H. Serodiagnostik der Gonorrhoe und Tuberkulose mittels der Aktivmethode. Derm. Wschr., 1927, 84: 676-81. — Application des procédés utilisant des sérums actifs au séro-diagnostic de la syphilis, des manifestations gonococciques et de la tuberculose. Ann. Inst. Pasteur, Par., 1928, 42: 320-32. — Séro-diagnostic différentiel de la syphilis, de la blennorrhagie et de la tuberculose. Ibid., 1938, 61: 313-8.—Hoder, F. Ueber neue haltbare Dysenterie-, Gärtner-Paratyphus- und Proteus-X-19-Diagnostika. Med. Klin., Berl., 1929, 25: 148.—Ioffe, V. I. [Results of work on serological analysis of some experimental infections and future problems of further investigations] J. mikrob., Moskva, 1940, No. 11, 13-6.—Kabelik, J. On a new serum test in the diagnosis of tuberculosis and syphilis. J. Immun., Balt., 1926, 12: 423-39. — & Zdražil, H. R. Eine weitere Modifikation und Vervollkommnung aktiver Serumreaktionen auf Lues, Tuberkulose und Gonorrhoe. Zbl. Bakt., 1. Abt., 1932, 126: 532-9.—Mello, G. La diagnosi

biologica di alcune malattie infettive (tifo-paratifo-setticemia purperale) col metodo della reazione di Lüttge e Mertz. Arch. farm. sper., 1929-30, 48: 487-92.—**Pfannenstiel, W.** Zusammenfassende Studie über die Ergebnisse der Serodiagnostik der Tuberkulose und Lepra (Agglutination, Präcipitation und Komplementbindung) Erg. Hyg., 1924, 6: 103-232. — Ergebnisse der Serodiagnostik der Tuberkulose und Lepra. Zbl. Haut Geschlkr., 1926-27, 21: 1-30.—**Prunell, A.** La serohemofoculation en la infección bacilar. Arch. Soc. biol. Montevideo, 1929, 1: 435-42.—**Russ, V.** Serologische Diagnostik der Infektionskrankheiten. Wien. klin. Wschr., 1927, 40: 1058.—**Schiff, F.** Ueber alkoholische Typhus- und Ruhrdiagnostica. Klin. Wschr., 1925, 4: 285.—**Schreus, H. T.** Ueber das serologische Geschehen bei Lues, Gonorrhoe und Tuberkulose nebst einer Auswertung an 1000 Seren in bezug auf die Uebereinstimmung des klinischen und serologischen Befundes. Derm. Zschr., 1936, 73: 61-5.—**Serafini, U.** La reazione di Abderhalden nelle malattie infettive; contributo allo studio della sua specificità. Rass. fisiopat., 1940, 12: 241-53.—**Wadsworth, A. B.** Serodiagnosis of infectious disease. Tr. Ass. Am. Physicians, 1938, 53: 263-8. Also N. York State J. M., 1938, 38: 1383-6. — Statement regarding the new serologic tests for syphilis, tuberculosis, and gonorrhea. Ibid., 1936.

— Digestive system.

See also Constipation; Diarrhea; Nausea; Tongue; Vomiting, etc.

Vogt, H. *Ueber den Ablauf von Leberfunktionsstörungen bei Infektionskrankheiten. p.33-46. 8°. Berl., 1932.

Also Zschr. klin. Med., 122:

D'Alise, C. Sifilide, tubercolosi e sistema dentario. Pediatra, Nap., 1922, 30: 823-31.—**Kobrak, E.** Beobachtungen von Lebervergrößerungen bei Infektionskranken. Zschr. klin. Med., 1933, 125: 15-28.—**Meneghelo R. J., & Rossel P., L.** Estudio de la función antitóxica del hígado por medio del rosa de Bengala en las enfermedades infecciosas de la infancia. Rev. chilena pediat., 1940, 11: 507-13.—**Posselt, A.** Beziehungen zwischen Leber, Gallenwegen und Infektionskrankheiten. Erg. allg. Path., 1932, 25: 492-562; 1934, 28: 115.—**Ronaldson, G. W.** Appendicular symptoms in the acute infectious diseases. Brit. J. Child. Dis., 1936, 33: 85-92.

— Endocrine glands.

Fecht, K. E. Nebennierenrindenextrakt-Pigment und Infektionskrankheiten. Hippokrates, Stuttgart, 1937, 8: 1137-42.—**Galanova, N. V., Kravchenko, A. T.** [et al.] [Effect of the endocrine system on the course of an infectious process and immunity] J. mikrob., Moskva, 1938, 20: 17-23.—**Harada, T.** Experimentelle Untersuchungen über die Beziehungen zwischen Infektion und Nebennierenfunktion. Fukuoka ikwadaigaku zassi, 1929, 22: 110; 112.—**Harrower, H. R.** The relation of the adrenal system to infections and infectious diseases. Clin. M. & S., 1935, 42: 176-8.—**Kravchenko, A. T., & Galanova, N. V.** [Effect of the endocrine system on the infectious process and immunity] J. mikrob., Moskva, 1938, 20: 24-34.—**Linder, G. C.** The influence of infection on the action of parathyroid hormone in man. Q. J. Med., Lond., 1935, 4: 131-7.—**Maranon, G.** Le rôle du corps thyroïde dans l'évolution des infections, Progr. méd., Par., 1937, 1377-82.—**Morgenstern, Z.** Zur Frage des morphologischen Verhaltens des Hodens bei akuten Infektionskrankheiten. Virchows Arch., 1923, 245: 229-46.—**Photakis, B. A., & Libérato, S. N.** Les modifications des glandes surrénales dans les infections et les intoxications. Bull. Soc. chim. biol., Par., 1939, 21: 1050; 1940, 22: 25-35.—**Popov, L. N.** [Morphological changes in the colloid of the thyroid in acute infectious diseases] Sborn. nauch. trid. Bashkir. gosud. med. inst., 1938, 1: 130-8.—**Ragusa, B., & Arcieri, M.** Le alterazioni indotte nell'ovaio dalle malattie infettive e dai relativi sieri e vaccini. Atti Soc. ital. ostet., 1926, 25: 230-65.—**Selzer, A.** Die Schilddrüse bei Infektionskrankheiten. Virchows Arch., 1934-35, 294: 427-44.—**Sprunt, D. H., & McDermarman, S.** Studies on the relationship of sex hormones to infection; a study of the dispersion or concentration of India ink in skin by certain sex hormones. Endocrinology, 1940, 27: 893-8.—**Tourneux, J. P.** Les réactions des glandes génitales males dans les maladies infectieuses. Médecine, Par., 1924-25, 6: 202-6.—**Ventura, A.** Glandole endocrine e malattie infettive. Gazz. osp., 1927, 48: 433-5.—**Vito, A.** Infezioni acute e glandole a secrezione interna. Fol. med., Nap., 1934, 20: 366-77.—**Zinnemann, K., & Zinnemann, L.** [Infection and intoxication in animals with excised glands of internal secretion] Ann. Mechnikov. Inst., 1937, 6: 53-62.

— Epidemiology.

See also Communicable disease, Epidemiology; Epidemic, Origin, cause and course; Epidemiology.

Crowder, T. R. Communicable diseases and travel. 26p. 8°. Wash., 1922.

LUSTIG, A., OTTOLENGHI, D. [et al.] Come si contraggono le malattie infettive. 416p. 8° [Milano] 1930.

Abt, I. A. How contagious diseases are spread. Rocky Mountain M. J., 1939, 36: 860-4.—**Deutsch, E.** Seltene Aufeinanderfolge infektiöser Krankheiten. Arch. Kinderh., 1931-32, 95: 176-8.—**Dudley, S. F.** Some fundamental factors concerned in the spread of infectious disease. Lancet, Lond., 1924, 1: 1141-6.—**Gersdorf, K.** Betrachtungen eines Landarztes über einige Infektionskrankheiten und Infektionen. Hippokrates, Stuttg., 1939, 10: 107.—**Hirszfeld, H., & Hirszfeld, L.** Konstitution und Immunbiologie im Zusammenhang mit dem Werden und Vergehen der Infektionskrankheiten. Zbl. ges. Hyg., 1935, 34: 1-19.—**Hirszfeld, L.** [Origin and decline of infectious diseases] Warsz. czas. lek., 1935, 12: 1-8.—**Hueppe, F.** Veränderlichkeit der Krankheitserreger und Aenderung der Seuchen. Wien. med. Wschr., 1925, 75: 992-6.—**Lyon, G. M., & Price, A. M.** Spot maps of bacillary dysentery and of poliomyelitis. J. Pediatr., S. Louis, 1941, 19: 628-31.—**Martin, W. J.** Recent trends of some infectious diseases. Brit. M. J., 1942, 2: 540-2.—**Nassau, E.** Ueber Gruppenerkrankungen. Med. Welt, 1935, 9: 1286-8.—**Nicolle, C.** Origen y porvenir de las enfermedades infecciosas. Dia méd., B. Air., 1930-31, 3: 231; 280. — Signification de la forme inapparente dans la naissance et dans le déclin des maladies infectieuses. Arch. Inst. Pasteur Tunis, 1935, 24: 1-7.—**Petersen, H.** [Certain peculiarities in the epidemic wave of measles and influenza] Nord. med., 1940, 8: 2640-5.—**Reasoner, M. A.** Infectious diseases; where did they come from and where are they going? Mil. Surgeon, 1928, 62: 433-55.—**School epidemics.** Lancet, Lond., 1938, 1: 845.—**Smith, T.** The decline of infectious diseases in its relation to modern medicine. Tr. Congr. Am. Physicians, 1928, 14: 1-18. Also Canad. M. Ass. J., 1928, 19: 283-7. Also J. Prev. M., 1928, 2: 345-63.—**Thomson, S., & Glazebrook, A. J.** Infectious diseases in a semi-closed community. J. Hyg., Lond., 1941, 41: 570-615.

— Etiology.

See also Infection, Source.

CADORET, J. Des vices rédhibitoires et des maladies contagieuses. 141p. 22½cm. Par., 1937.

GUERRINI, G. *Costituzione e malattie infettive; prolusione al corso di patologia generale. 22p. 8°. Padova, 1931.

Allen, F. J. Aetiology of infective diseases in general and pneumonia in particular. S. Afr. M. J., 1935, 9: 239-43.—**Arons, P., & Rijst, M. P. J. van der** [Infections caused by vitamine A deficiency] Ned. tschr. geneesk., 1932, 76: pt 4, 5445-57, pl.—**Babes, V., & Pop, E.** Sur l'étiologie des infections hémorrhagiques. Ann. Inst. path. bact. Bucarest (1891) 1894, 4: 334-455, 5 pl.—**Berman, E. I.** [Methods in the study of the causes of the development of secondary infections in day-nurseries] J. izuch. rann. detek. vozr., 1933, 13: 311-3.—**Besredka, A.** Le rôle du terrain dans les maladies infectieuses. In Hommage mém. J. Cantocuzène, Par., 1934, 19-21.—**Boycott, A. E., & Price-Jones, C.** Experiments on the influence of fatigue on infection. J. Path. Bact., Edinb., 1926, 29: 87-95.—**Buday, K.** [Constitution and infection] Gyógyászat, 1930, 70: 1040-7.—**Bull, H. W.** Diphtheria and scarlet fever, in relation to social conditions, etc. Rep. Health Com. Melbourne (1940) 1941, 18.—**Collis, E. L.** The age distribution of infectious diseases, with special reference to scarlet fever. J. State M., Lond., 1925, 33: 201-29.—**Dornblaser, H. B.** Antenatal infections. J. Lancet, 1928, 48: 1-6.—**Dudley, F. S.** Sur quelques facteurs fondamentaux qui influencent le développement des maladies infectieuses. J. méd. Bordeaux, 1924, 54: 590.—**Gleichmann, O.** Ein Beitrag zur Entstehung der Infektionskrankheiten. Münch. med. Wschr., 1928, 75: 218-21.—**Gordon, B., & Blumer, G.** Infectious diseases of unknown etiology. In Ther. Int. Dis. (Blumer, G., et al.) N. Y., 1940, 2: 950-69.—**Gözony, L.** [Role of predisposition in infectious diseases] Budapesti orv. ujs., 1938, 36: 357-62.—**Guerrini, G.** Costituzione e malattie infettive. Ital. san., 1932, 24: No. 3-4, 3-8. Also Studium, Nap., 1932, 22: 47-52. — Dei rapporti fra costituzione e malattie infettive. Endocr. pat. cost., Bologna, 1932, n. ser., 7: 541-56.—**Hagedoorn-Vorst-heuvel la Brand, A. C.** [Influence of hereditary factors in infectious diseases] Mschr. kindergeneesk., 1934, 3: 213-22.—**Heinicke, A.** Avitaminose und Resistenz gegen Infektionskrankheiten (Bakterizidie und Komplementgehalt des Serums bei experimenteller Rattenrachiitis) Zschr. Immunforsch., 1934, 83: 245-56.—**Hilgermann, Müll.** Kehrlicht und ansteckende Krankheiten. Zschr. Desinfekt., 1927, 19: 57-9.—**Hirszfeld, H.** [Constitutional factors in infectious diseases in children] Med. dōsw., 1936, 21: 429-532.—**Hobday, F.** Discussion on animal and vegetable pathology in relation to human disease. Vet. J., Lond., 1922, 78: 393-403.—**Hofmeier, K.** Konstitution und Infektionskrankheiten. Kinderärztl. Prax., 1938, 9: 20; 67.—**Kacprzak, M.** [Social factor in infectious diseases] Warsz. czas. lek., 1937, 14: 866; 884; 904.—**Lian, C.** A propos de l'étiologie des maladies infectieuses aiguës. Rev. path. comp., Par., 1925, 25: 75-80.—**McCormick, W. J.** Observations on the 1941 outbreak of poliomyelitis and encephalitis in the Midwest. Med. Rec., N. Y., 1942, 155:

89-95.—**Malagüero, P. R. de.** Los vapores en la etiología de las enfermedades. *Acción méd.*, B. Air., 1939, 9: 811.—**Mazzeo, A.** Fattori costituzionali e malattie infettive. *Pediatría (Riv.)*, 1933, 41: 442-5.—**Meakins, J. C.** Infectious diseases conveyed by parental inoculation. In his *Practice of Med.*, S. Louis, 1936, 1144-246.—**Naegeli.** Konstitutionsfragen bei Infektionskrankheiten. *Schweiz. med. Wschr.*, 1927, 57: 337-41.—**Nowak, H.** Ueber Blutgruppen und konstitutionelle Disposition zu Infektionskrankheiten. *Wien. med. Wschr.*, 1932, 82: 1405.—**Paneth, L.** Zur Aetiologie der Infektionskrankheiten, besonders der Diphtherie. *Zschr. klin. Med.*, 1922, 94: 370-425. — Zur aetiologischen Erforschung der Infektions-Krankheiten. *Klin. Wschr.*, 1922, 1: 1633-8.—**Papel del medio humano en la etiología de las enfermedades infecciosas.** *Bol. Min. san., Caracas*, 1938, 3: 1995-2014.—**Penkert, M.** [Constitution and infectious disease] *Orvosképzés*, 1938, 28: 857-66.—**Sakharov, G. P.** Infektionskrankheiten und Altersdisposition. *Erg. allg. Path.*, 1927-28, 22: Abt. 2, 201-359.—**Shippin, L. P.** Unknown factors in the etiology of infections. *Med. Ann. District of Columbia*, 1936, 5: 36-9.—**Sorrentino, C.** Le infezioni congenite. *Pediatría (Riv.)*, 1931, 39: 544-59.—**Van den Ende, M., & Andrewes, C. H.** Recent experiences in England with special references to the importance of dust. *Pub. Ann. Ass. Advance. Sc.*, 1942, No. 17, 281-3.—**Wohlfleil, T.** Neuzeitliche Anschauungen über die Entstehung von Infektionskrankheiten. *Zschr. Schulgesundh.*, 1931, 44: 1-7; 201.—**Wohlrahe, H.** Beobachtungen über die Bedeutung der Konstitution bei der Ausbreitung von Banalinfektionen. *Med. Welt*, 1936, 10: 197.—**Wright, G. P., & Wright, H. P.** The influence of social conditions upon diphtheria, measles, tuberculosis and whooping cough in early childhood in London. *J. Hyg., Lond.*, 1942, 42: 451-73.—**Zischinsky, H.** Einiges über die Bedeutung von Disposition und Konstitution für Entstehung und Ablauf der akuten Infektionskrankheiten. *Wien. med. Wschr.*, 1940, 90: 666.

— experimental.

See also **Infection, experimental.**
HEILBRUNN, A. **Infektionsversuche an Menschen* [Berlin] 104p. 21cm. Hildburghausen, 1937.

TROISIER, J. *Etudes expérimentales récentes sur les maladies infectieuses.* 227p. 8°. Par., 1935.

Anichkov, N. N. [A new tendency in experimental investigations of the pathology of infections] *Ark. biol. nauk*, 1937, 45: 45-52.—**Armstrong, C.** Studies on the mechanism of experimental intranasal infection in mice. *Pub. Health Rep., Wash.*, 1938, 53: 2004-12.—**Hartung, H.** Die Infektion des Hodens und des Glaskörpers mit apathogenen Bakterien. *Arch. Hyg., Münch.*, 1936-37, 117: 203-11.—**Khatenever, L. M., Levchenko, L. A., & Kartasheva, V. N.** [Effect of irritation of the skin on the course of infection in experimental animals] *J. mikrob., Moskva*, 1938, 20: 9-16.—**Laporte, R.** Réaction nécrotique au point d'inoculation d'un germe vivant et virulent par injection simultanée de filtrat de culture dans le péritoine. *C. rend. Soc. biol.*, 1936, 121: 726-8.—**Marques Lisboa, H.** A pneumo-enterite dos bezerros e a febre typhoide. *Brazil med.*, 1922, 36: pt 2, 203-5.—**Uti, Y.** Experimentelle Infektionen von Mäusen und Meerschweinchen parenteral und von den natürlichen Eingangsportalen aus. *Zschr. Hyg.*, 1926, 106: 96-112; 281-307.—**Weinberg, M., & Ginsbourg, B.** Origen y evolución de las infecciones putridas y su tratamiento sérico: investigaciones experimentales. *Arch. med., Madr.*, 1926, 25: 5-34.

— Forensic aspect.

Chavigny, P. *Médecine légale et bactériologie.* Presse méd., 1933, 41: 1125.—**Deile, G.** Die Bedeutung der Komplikationen und Spätfolgen bei den wichtigen Infektionskrankheiten des Kleinkindes für die gerichtliche Medizin. Veröff. Volksgesundh. dienst., 1937-38, 50: 309-56.—**Hirschberg, N., & Kearns, J. J.** Bacteriology of coroners' necropsies. *Med. Rec., N. Y.*, 1939, 150: 199.—**Insurance, accident; staphylococci infection induced by blowing nose not due to accidental means [Tennessee] *J. Am. M. Ass.*, 1941, 116: 2886.—**Pommerol, A.** Transmission de maladies contagieuses. In his *Respons. méd.*, Lille, 1931, 60.—**Schläger.** Die Infektionskläusel. *Deut. med. Wschr.*, 1933, 59: 419.**

— general.

See **Bacteriemia; Pyemia; Sepsis**; also such headings as **Abortion, septic.**

— Hematology [and hematopoietic system]

See also subheading **Reticuloendothelial system**; also **Basophil; Blood picture; Blood sedimentation; Eosinophilia; Hemoclastic crisis; Hemolysis; Hemorrhagic diathesis; Leukocytosis; Phagocytosis, etc.**

BÖTZEL, A. **Klinische Untersuchungen über Blutplättchen mit besonderer Berücksichtigung*

der Infektionskrankheiten. 35p. 8°. Berl., 1932.

HERRMANN, G. **Ueber das Verhalten der Blutkörperchensenkungsreaktion bei akuten Infektionskrankheiten* [Rostock] 19p. 8°. Güstrow, 1933.

Acevedo, B. S., & Bianchi, A. E. Sobre las profundas alteraciones hemáticas en los procesos toxico-infecciosos. *Scm. méd.*, B. Air., 1929, 36: 1447-51.—**Amidon, E. L.** Hematologic studies in acute infections. *J. Lab. Clin. M.*, 1938-39, 24: 1009-14.—**Bacaloglu, C.** [Hematological syndrome in relation to infections] *Spitalul*, 1932, 52: 1-8.—**Barta, I.** Ueber die Tätigkeit des leukopoetischen Systems bei Infektionskrankheiten. *Fol. haemat., Lpz.*, 1933, 50: 287-312.—**Bellelli, F.** Trapianto di midollo e di milza in alcuni processi infettivi. *Boll. Ist. sieroter. milan.*, 1932, 11: 303-10.—**Bergman, R.** [Experience with sedimentation reaction in acute, specific infectious diseases] *Tskr. mil. hälsöv.*, 1934, 59: 388-91.—**Birk.** Die Wirkung des fieberhaften Infekts auf den Blutehemismus des Kindes. *Msehr. Kinderh.*, 1927, 37: 313.—[**Blood groups and their relation in infectious diseases**] *Genesck. gids*, 1936, 14: 55.—**Blume, R.** [Sedimentation reaction in certain infections in children] *Sven. läk. tidn.*, 1938, 35: 1471-9.—**Bokréts, A.** [Cholesterolin changes in leukocytes in acute infectious diseases] *Orv. hetil.*, 1936, 80: 1164. Also *Fol. haemat., Lpz.*, 1937-38, 58: 230-5.—**Buceianti, E.** Il comportamento del volume totale di plasma circolante nelle malattie infettive acute. *Policlinico*, 1931, 38: sez. med., 138-60.—**Curschmann, H.** Ueber die diagnostische Bedeutung der Senkungsreaktion bei akuten Infektionskrankheiten. *Münch. med. Wschr.*, 1933, 80: 1767.—**Fisher, M. N., & Volkova, E. A.** [Effect of infectious process on the permeability of erythrocytes] *J. mikrob.*, 1932, 9: 232-7.—**Friedemann, U., & Nubian.** Ueber die Blutkrise bei Infektionskrankheiten. *Klin. Wschr.*, 1922, 1: 1992-7.—**Fuchs, H. J.** Beziehungen der Blutgerinnung zu Infektionskrankheiten und innerer Medizin. *Verh. Berl. med. Ges.* (1930) 1931, 61: pt 2, 39-47.—**Gavrila, J., & Pantea, P.** La vitesse de sédimentation des hématies dans quelques maladies infectieuses aiguës. *Ann. méd., Par.*, 1937, 41: 132-7.—**Grunke, W.** Kreislaufstudien bei Infektionskrankheiten; über das Verhalten der Blutmenge beim Scharlach, Typhus abdominalis und Erysipel. *Zschr. klin. Med.*, 1929, 191: 233-49.—**Gurevich, E. S., & Gladkovsky, A. P.** [Oxidation-reduction potential of the blood and its clinical significance in acute infectious diseases] *Sovet. vrach. J.*, 1936, 1: 1864-73.—**Heckscher, H.** [Sedimentation reaction for control examinations in acute febrile diseases] *Ugeskr. laeger*, 1933, 95: 687-90.—**Hoppe-Seyler, G., & Hoff, F.** Infektion und Blutkrankheiten. *Med. Welt*, 1927, 1: 185-8.—**Ioan, H. G.** Etude sur les variations numériques des plaquettes sanguines au cours des maladies infectieuses. *Arch. roumain. path.*, Par., 1936, 9: 299-350.—**Kobetz-Almasova, O. E.** [Reaction of blood and bone marrow in various infections] *Vrach. delo*, 1931, 14: 917-22.—**Kugelmass, I. N.** Infectious diseases. In his *Blood Disord. Child.*, N. Y., 1941, 808-33.—**Markowitz, B.** The hematopoietic system and infection. *Am. J. Clin. Path.*, 1932, 2: 449-55.—**Mironesco, T.** Les variations de la sédimentation des globules rouges au cours des infections aiguës. *Bull. Soc. méd. hôp. Paris*, 1923, 3. ser., 47: 1022-4. — Les groupes sanguins dans les maladies infectieuses. *Arch. anat. micr., Par.*, 1929, 25: spec. no. 166-72.—**Piney, A.** Post-infective blood changes. *Brit. M. J.*, 1942, 1: 565.—**Pittaluga, G.** Semiologia hematologica de las infecciones. *Dia méd.*, B. Air., 1935, 7: 1289-91. Also in *Leec. clin. méd. (Romano, N.) B. Air.*, 1936, 1: 33-9. — La hematologia y las enfermedades infecciosas. *Rev. med. cir. Habana*, 1938, 43: 451-72; 559-75. Also *Rev. med. Rosario*, 1938, 12: No. 119, 1-14.—**Pugnani, E.** Sul comportamento dei corpi di Kurloff-Foa-Demel nelle infezioni sperimentali. *Gior. batt. immun.*, 1933, 11: 97-125.—**Pulver, W.** Ueber die Erythrozytensenkungsgeschwindigkeit bei akuten Infektionskrankheiten mit spezieller Berücksichtigung ihrer Beziehung zu Krankheitsverlauf, Fieber, Blutbild, sowie Therapie, Diagnose und Prognose. *Schweiz. med. Wschr.*, 1930, 60: 710-5.—**Raybaud, A., & Scarpellini, L.** Sur le déterminisme des phénomènes hémorragiques au cours de certaines infections aiguës; comportement des plaquettes. *C. rend. Soc. biol.*, 1933, 112: 376-8.—**Rendonon, K. O.** Om pavisandet av blod i avföringen. *Nord. med.*, 1941, 12: 2922 (Abstr.) (microfilm)—**Schulze, K., & Steuer, K.** Ueber lokale und periphere Blutuntersuchungen bei einigen Infektionskrankheiten. *Klin. Wschr.*, 1934, 13: 407-9.—**Stenger, K.** Blutveränderungen bei schweren Infektionskrankheiten und anderen toxischen Einflüssen und deren Beziehung zur Nierenerschädigung. *Zschr. Kinderh.*, 1939, 61: 31-51.—**Thoenes, F.** Infektion und Blutmauerung im Kindesalter. *Msehr. Kinderh.*, 1938, 73: 197-215.

— Hematology: Leukocytosis.

See also **Leukocytosis.**

BAYLE, V. * *Valeur pronostique de la variation de certains éléments figurés du sang au cours de l'évolution des maladies infectieuses.* 85p. 8°. Par., 1936.

BUSCHE, H. J. *Biologische Leukocytenkurven bei Infektionskrankheiten [Münster] 58p. 8° Zeulenroda, 1936.

JAGIĆ, N. VON. Die diagnostische Verwertung des Leukocytenbildes bei Infektionskrankheiten. 48p. 8° Wien, 1919.

LOEWIĆ, M. *Ueber das Verhalten der Retikulozyten im Verlauf der Infektionskrankheiten. 30p. 8° Halle, 1933.

SANDELS, A. *Weitere Untersuchungen über die Veränderungen der neutrophilen Granula bei Infektionskrankheiten [Frankfurt a. M.] p.196-218. 8° Berl., 1928.

WINKLER, H. *Beitrag zur Frage der Blutveränderungen bei Infektionskrankheiten; über die diagnostische und prognostische Bedeutung und das Wesen der Antoni'schen Kernveränderungen. 34p. 8° Bresl., 1929.

Aschoff, L. Ueber die morphologischen Reaktionen des Blutes bei Infektion. *Klin. Wschr.*, 1935, 14: 985-7.—Auber-tin, C., & Morin, M. Le myélogramme dans les infections aiguës avec polynucléose. *Bull. Soc. méd. hôp. Paris*, 1933, 3. sér., 54: pt 2, 1282-4.—Belau, R. S. [Case of intensive post-infectious leucocytosis] *Pediatrics*, Moskva, 1938, No. 9, 108-10.—Bossa, G. Ricerche sperimentali sulla reazione emoclasica del d'Amato nelle infezioni tifoide e nell'infezione. *Riforma med.*, Nap., 1929, 45: 211-20.—Boswell, C. O. Leucocytosis in surgical infections. *Tr. M. Ass. Centr. N. York*, 1906, 13: 39-44.—Cartia, G., & Rapisardi, S. Ricerche sulle inclusioni leucocitarie nella scarlattina ed in altre malattie infettive. *Pediatrica*, Nap., 1924, 32: 725-34, pl.—Castana, V. Fenomeni di basofilia nelle malattie infettive. *Rinasc. med.*, 1926, 3: 78-81, pl.—Chediak, M. Concepto actual de la teoría del hemograma en las infecciones. *Rev. méd. cubana*, 1933, 44: 1389-405.—Cincinnati, R. M. [Leucocyte formula and changes in infantile infections] *Vrach. gaz.*, 1920, 31: 439-43.—Eisenberg, A. A., & Nemens, H. S. Value of the Schilling hemogram in infections; preliminary report based on 3,500 cases. *Am. J. Surg.*, 1933, 21: 56-71.—Gorini, P. Sulla comparsa in alcune malattie infettive delle cellule irritative di Türck nel sangue dei bambini. *Clin. pediat.*, Mod., 1931, 13: 387-404.—Griffith, W. H. The Schilling hemogram in acute infections. *J. Lancet*, 1930, 57: 239-42.—Hirschfeld, H., & Kothe, R. Ueber abnorm hohe Leukocytose bei schweren Infektionen. *Deut. med. Wschr.*, 1907, 33: 1253-5.—Josephs, H. W. The blood pictures of the infectious diseases occurring primarily in childhood. In *Handb. Hemat.* (Downey, H.) N. Y., 1938, 4: 2647-88.—Kartaschowa, F. W. Ueber Mono-cyten-Makrophagen im peripheren Blut bei einigen Infektionskrankheiten. *Deut. Arch. klin. Med.*, 1925, 146: 226-32.—Kirsly, J. Interprétation clinique des réticulocytes dans les états infectieux. *Presse méd.*, 1933, 41: 2113-5.—McGee, W. A. The significance of the Schilling differential blood count in acute infections of childhood. *Virginia M. Month.*, 1932, 58: 665-9.—Meranze, D. R., Mendell, T. H., & Meranze, T. Cytoplasmic changes in the peripheral neutrophil as an aid in diagnosis and prognosis. *Am. J. M. Sc.*, 1935, 189: 639-56, pl.

Comparative study of cytoplasmic and nuclear changes in neutrophils in severe infectious states. *Ibid.*, 1936, 192: 316-27, 2 pl.—Mochkovski, C. Les images leucocytaires dans les infections. *Sang. Par.*, 1936, 10: 668-85.—Mommens, H. Ueber die gesetzmässige Veränderung der neutrophilen Granula im Verlauf akuter Infektionskrankheiten. *Mscr. Kinderh.*, 1927, 37: 526-9.—Moshkovski, S., & Michina, S. [Morphologic changes in the blood in infectious diseases] *Med. biol. J.*, Leningr., 1926, 2: No. 4-5, 146-56.—Neal, M. P. The leucocyte blood pictures in acute infections. *J. Iowa M. Soc.*, 1934, 24: 321-7. Also Quincy M. Bull., 1934, 11: 295-8.—The reactive blood cells in acute infections. *Texas J. M.*, 1936-30, 32: 397-403.—Nikolaev, N. M. [Diagnostic and prognostic significance of the blood-picture in infectious diseases in young children] *J. rann. detek. vozr.*, 1933, 13: 294-302.—O'Reilly, M. F. X. Leucocytic reaction to bacterial infection in animals. *Papers Michigan Acad. Sc.* (1940) 1941, 26: 239-50, 3 pl.—Patrassi, G. Modificazioni del quadro citologico midollare nelle malattie infettive e genesi delle citoblasti tossiche dei neutrofili circolanti. *Sperimentale*, 1934, 88: 354-89.—Prado Vargas, G. Algunas consideraciones en los sobre las alteraciones de los granulocitos neutrófilos en la infancia. *proceso séptico y enfermedades infecciosas de la infancia*. Vida nueva, Habana, 1930, 40: 237-53.—Riccielli, L., & Costanzi, F. La curva dei monociti nelle malattie infettive. *Arch. pat.*, Bologna, 1933-34, 13: 526-59.—Robertson, G. H., & Buston, E. L. F. The staff or band count; its importance in diagnosis. *N. Zealand M. J.*, 1934, 33: 1-9.—Rosenthal, N., & Kugel, M. A. Importancia en clínica de las alteraciones de las granulaciones de los neutrófilos en las infecciones. *Rev. méd. cubana*, 1932, 43: 1207.—Sandels, A. Untersuchungen über die Veränderungen der neutrophilen Granula bei Infektionskrankheiten. *Jahrb. Kinderh.*, 1928, 3. F., 70: 196-218.—Scherer, J. H. The cellular reactions occurring in the blood during infections. *Bull. Richmond Acad. M.*, 1939, 7: 53-8.—Schulten, H. J. Ueber neutrophile Leukocyten mit veränderten Granulis bei Infektionskrankheiten im Kindesalter. *Jahrb.*

Kinderh., 1923, 3. F., 52: 303-10.—Shchegolev, M. G. [On leucocytosis, its healing action in acute infectious diseases, and limits of utilizing it as a diagnostic method] *Russk. vrach*, 1906, 5: 665-72.—Spagnoletti, G. L'emogramma di Schilling e il suo valore prognostico nelle malattie infettive. *Gior. med. mil.*, 1934, 82: 942-9.—Strumia, M. M. Blood pictures in infections, from the standpoint of the general practitioner. *Pennsylvania M. J.*, 1934-35, 38: 950-3.—Wallbach, G. Zur Frage der lymphocytären und monocytären Reaktion bei Infektion der weissen Maus. *Virchows Arch.*, 1928, 267: 269-71.—Warnock, F. B. The Schilling differential blood count: its significance as an aid to diagnosis in typhoid, malaria and undulant fever. *Illinois M. J.*, 1935, 67: 182-4.—Weiss, A. The blood picture in infectious disease. *J. Lab. Clin. M.*, 1930-31, 16: 655-69. —The staff count, its importance in acute infectious disease. *Arch. Int. M.*, 1931, 48: 399-411.—Wienbeck, J. Das Zellbild des kindlichen Knochenmarkes bei Infektionskrankheiten. *Verh. Deut. path. Ges.*, 1937, 30: 375-80.—Ziegler, K., & Schlecht, H. Untersuchungen über die leukocytotischen Blutveränderungen bei Infektionskrankheiten und deren physiologische Bedeutung. *Deut. Arch. klin. Med.*, 1908, 92: 564-601, pl.

History of research.

See also **Epidemic**, **History**.

DIBLE, J. H. Recent advances in bacteriology and the study of infections. 2. ed. 476p. 8° Lond., 1932.

OLIVER, W. W. Stalkers of pestilence; the story of man's ideas of infection. 251p. 8° N. Y., 1930.

SUDHOFF, K. Elf ansteckende Krankheiten vor 1300. p.[132]-134. 8° Lpz., 1917.

WATERHOUSE, B. Of epidemic diseases, being a proposal to collect the history of all the epidemics of our country in order, as they arise, or an attempt towards filling up that capital desideratum so earnestly recommended by Sydenham. 7p. 20½cm. [Bost.] 1942.

ZELLE, K. The fight against germs. 36p. 22cm. Evanston, Ill., 1941.

ZWICK, W. Infektion und Immunität in geschichtlicher Beleuchtung. 21p. 8° Giessen, 1927.

Atkinson, E. M. Medicine and civilization. In his *Behind the Mask of Med.*, N. Y., 1941, 1-16.—Burnet, F. M. Changes of 25 years in the outlook on infectious disease. *Med. J. Australia*, 1939, 2: 23-8.—Cosentino, A. Riflessioni sulla malattia epidemica di Calabria corsa nell'autunno del 1840. *Filiatre sebezio*, Nap., 1841, 22: 139-49.—Costume of physicians and other persons when visiting cases of contagious disease. Medical cartoon.—Deicher, H. Neuere klinische und experimentelle Ergebnisse auf dem Gebiete der Infektionskrankheiten. *Kinderärztl. Prax.*, 1931, 2: 351-8.—Goodall, E. W. Pre-bacteriological views on infectious diseases. *Pub. Health*, Lond., 1932, 45: 166-75.—Gourdon, J. Le typhus et le choléra. *J. méd. Toulouse*, 1865, 4. sér., 4: 295-301.—Jelapi, A. Sull'epidemia febbrile di Calabria ultra 2ª nel 1840. *Filiatre sebezio*, Nap., 1842, 23: 67-70.—Koch, H. Welche Ergebnisse haben diese Forschungen bei Scharlach und Diphtherie? *Wien. klin. Wschr.*, 1926, 39: 619.—Kraus, R. Fortschritte der Aetiologie, Prophylaxe und der Serumtherapie der Infektionskrankheiten. *Ibid.*, 1928, 41: 149; 200.—Lint, J. G. de [The BNW-T disease of the Egyptians] *Bijdr. gesch. geneesk.*, 1934, 14: 45-7.—Lubarsch, O. Wandlungen in der Lehre von den Infektionskrankheiten. *Deut. Zschr. Chir.*, 1931, 234: 31-8.—McSweeney, C. J. Some recent additions to our knowledge of infectious diseases and their significance. *Irish J. M. Sc.*, 1935, 6. ser., 108-16.—Matthes, M. Die Lehre von den Infektionskrankheiten in den letzten 50 Jahren. *Deut. med. Wschr.*, 1924, 50: 1723-6.—Pasteur, L. Extension de la théorie des germes à l'étiologie de quelques maladies communes. *Paris méd.*, 1922, 45: 572-7.—Picaza, S. Historia de las grandes endemias tropicales en Cuba; nuestra contribución a su estudio. In *Aport. Inst. Finlay*, Habana, 1938, 83-124.—Piguiel, F. Lettre sur la maladie de Barcelone. *Observ. sc. méd.*, 1822, 4: 13-20.—Pruvost, P. Mouvement médical et maladies infectieuses. *Hôpital*, 1922, 10: 412.—Reko, V. A. Infektionskrankheiten im alten Mexiko. *Wien. med. Wschr.*, 1938, 88: 678; 700.—Rolleston, J. D. The practical results of recent researches in acute infectious diseases. *Clin. J.*, Lond., 1927, 56: 109-14.—Skinner, H. The germ theory of disease. *Scienc.*, 1910, n. ser., 31: 617.—Stachelin, R. Neues aus der Klinik der Infektionskrankheiten. *Schweiz. med. Wschr.*, 1939, 69: 1-6.—Teczor, R. M. Notions récentes sur les maladies infectieuses. *Praxis*, Bern, 1938, 27: 51-3.—Vallejo de Simón, A. M. Estado actual de la clínica de las enfermedades infecciosas; patogenia y terapéutica. *Medicina*, Madr., 1941, 9: pt 2, 175-204.—Walker, C. Germ theories of transferable diseases from the 17. century to the time of Pasteur. *Science Progr.*, Lond., 1924-25, 19: 443-51.—

Zechnowitzer, M. M. [Present state of diagnosis, prophylaxis and specific treatment of infectious diseases] *Radianska med.*, 1940, 5: No. 9, 15-24.

Hospitals and hospitalization.

See also **Epidemic, Hospitals.**

ESSEX COUNTY ISOLATION HOSPITAL. Annual report. Belleville, 1912/13-1915/16; 1938-39.

LONDON FEVER HOSPITAL. Annual report. Lond., 1802-14; 1819; 1861-87; 1889-90; 1893-1918.

NEW YORK, N. Y. HOSPITAL FOR SCARLET FEVER AND DIPHThERIA PATIENTS. Annual report. N. Y., v.3, 1901; v.6, 1904.

RANGOON, INDIA. CONTAGIOUS DISEASES HOSPITAL AND MUNICIPAL OBSERVATION HOSPITAL. Annual report. Rangoon, 1922; 1923; 1925.

ROMANIN-JACUR, L. Exposition internationale et Congrès d'hygiène et de sauvetage à Bruxelles; projet d'un hôpital pour les maladies épidémiques et contagieuses (lazaret) 35p. 20½cm. Padua, 1876.

Anderson, T. The fuller development of the fever hospital. *Glasgow M. J.*, 1942, 138: 168-76.—**Andersson, O.** [Centralization of hospital wards for infectious diseases] *Nord. hyg. tskr.*, 1926, 7: 283-302.—**Atkins, C. N.** Record of last year's work at the Hobart Infectious Diseases Hospital (Vaucluse) *Med. J. Australia*, 1935, 1: 547-9.—**Banks, H. S.** Fever hospital policy and modern treatment. *Pub. Health, Lond.*, 1932, 45: 101-11.—**Laurent, L. J. M.** [et al.] Fever hospitals and pathological services in post-war planning. *Lancet, Lond.*, 1941, 2: 762-4.—**Bazán, F., & Bayley Bustamante, G.** Centro de profilaxis anti-infecciosa externa del Hospital de niños, Buenos Aires. *Arch. argent. pediat.*, 1942, 17: 268-88. Also *Sem. méd.*, B. Air., 1942, 49: 1164-74.—**Björkstén, M.** Afdelningen för epidemiska sjukdomar; redogörelse. Årsber. Maria Sjukhus Helsingfors (1905) 1906, 11: 67-80.—**Bofinger.** Ansteckende Krankheiten und Krankenhauspflege. *Vertrauensarzt*, 1939, 7: 25; 55.—**Bongioanni, M., & Mollino, E.** Il nuovo padiglione e segmenti per malattie infettive Amedeo di Savoia in Torino. *Osp. maggiore, Milano*, 1934, 22: 499-501.—**Brincker, J. A. H.** Fever hospitals of the future; their type, function and use. *Pub. Health, Lond.*, 1937-38, 51: 169-78.—**Brüning, H.** Die Infektionsabteilung der Universitätskinderklinik in Rostock. *Arch. Kinderh.*, 1926, 79: 39-43.—**Burton, A. H. G.** Fever hospitals, past and present. *Med. Off., Lond.*, 1927, 38: 5; 17.—**Day, J. J. R.** Certificates of fitness for removal to hospital. *Brit. M. J.*, 1942, 1: 455.—**Distel, H.** Modernisierung bestehender Krankenanstalten durch Um- und Neubau; Darstellung der neuen Infektionsabteilung des Städtischen Krankenhauses in Kiel. *Zschr. ges. Krankenhauswes.*, 1939, 418-24.—**Finlay, C. J.** Pabellón para enfermedades infecto-contagiosas. *Villaclara méd.*, S. Clara, 1939, 7: 87-91.—**Forbes, D.** Advantages of centralization in the hospital treatment of fevers. *Lancet, Lond.*, 1939, 2: 451-3.—**G. G. D.** London fever hospital, N. 1 S. Barth. Hosp. *J. War. Bull.*, 1939, 1: 4.—**García Tellez, S.** Servicio de infecciosos en el Hospital General. *Hosp. gen. Méx.*, 1925, 1: 108-13.—**Harris, E. H. R.** Fever hospital practice in retrospect and prospect. *Pub. Health, Lond.*, 1935-36, 49: 120-4.—**Hekman, J.** [Task of general hospitals in combating infectious diseases] *Ziekenhuis*, 1927, 18: 23-7.—**James, E.** Clinical and other problems of the fever hospital. *Pub. Health, Lond.*, 1938-39, 52: 301-6.—**Kavanaugh, E. A.** Contagious disease hospital. *Hudson Co. Health Rec.*, 1940, 67: 31-9.—**Lebedev, V. O.** [Working clothes for the personnel of hospitals for infectious diseases] *Radianska med.*, 1940, 5: No. 5, 74-6.—**Lemierre, A.** Parissakultetens klinik för smittsamma sjukdomar. *Nord. med.*, 1941, 10: 1270 (Abstr.).—**Liebermeister, G.** Die Infektionsabteilung in kleineren Krankenhäusern. *Zschr. ges. Krankenhauswes.*, 1926, 22: 396.—**Lipinski, W.** [Report of work in infectious diseases station of Lwów Hospital] *Polska gaz. lek.*, 1927, 6: 422-5; 1928, 7: 350.—**Lucchesi, P. L.** The Philadelphia hospital for contagious diseases. *Pennsylvania Health*, 1940, 1: No. 10, 28-42, portr.—**Machesney, E. H.** Enfermería de las afecciones transmisibles. *Bol. Of. san. panam.*, 1941, 20: 468.—**McMichael, G. V. T.** Planning a fever hospital. *Pub. Health, Lond.*, 1932, 46: 13.—**MacRae, A. J.** Planning for communicable diseases. *Tr. Am. Hosp. Ass.*, 1937, 39: 685-8.—**Provision for isolation of infected patients in general hospitals.** *Bull. Am. Coll. Surgeons*, 1939, 24: 191.—**Mattson, E. F.** The communicable disease patient in a general hospital. *Am. J. Nurs.*, 1941, 41: 27-30.—**Modern (The) fever hospital.** *Lancet, Lond.*, 1938, 1: 383.—**Modern (The) way with infections;** cameos from the Lodge Moor Hospital, Sheffield. *Nurs. Times, Lond.*, 1942, 38: 176.—**Nuovo (Il) Ospedale di Roma per le malattie infettive.** *Osp. maggiore, Milano*, 1936, 24: 421-7.—**Ott, C. L.** Le service des entrants au préventorium de Canteleu (Seine-Inférieure) *Rev. hyg., Par.*, 1926, 48: 211-9.—**Parry, B. E.** The modern hospital for treatment of infectious diseases. *Pub. Health J., Toronto*, 1924, 15: 557-65.—**Poltavtsev, A. N.**

[Organization of wards for infectious diseases in villages] *Sovet. med.*, 1939, No. 5, 52-5.—**Rambaud, E.** Ospedale Civile di Venezia, riparto contagiosi; cenno statistico-sanitario del periodo 25 settembre 1905-10 luglio 1906. *Rev. veneta sc. med.*, 1906, 45: 287-95.—**Richardson, D. L.** Hospitalization of infectious diseases; a problem for every institution. *Trained Nurse*, 1925, 74: 48-51.—**The care and hospitalization of infectious diseases.** *Month. Bull. Dep. Health City N. York*, 1926, 17: 8-13.—**Communicable disease hospitals.** *J. Maine M. Ass.*, 1939, 30: 69-74.—**Hospitals for acute communicable diseases.** In *Admin. Med.* (Emerson, H.) N. Y., 1941, 39-50.—**S., E. M.** America fights our infections; the American Red Cross—Harvard Field Hospital unit. *Nurs. Times, Lond.*, 1942, 38: 105-8.—**Schmoeger.** Entwurf zu einem Infektionshaus für das Krankenhaus Forst, zugleich ein Beitrag zur Frage der Unterbringung Infektionskranker innerhalb der Krankenhäuser. *Deut. med. Wschr.*, 1926, 52: 327.—**Spolverini, L. M.** Il servizio nelle sale di isolamento dell'Ospedale di S. Spirito durante l'ultimo quadriennio (1 luglio 1898-30 giugno 1902) *Bull. Soc. Lancisiana Osp. Roma*, 1902-3, 22: 1-43.—**Sutherland, D. S.** Certain administrative aspects of the smaller fever hospitals. *Pub. Health, Lond.*, 1936-37, 50: 220-6.—**Swift, C. M.** An isolation unit in a general hospital of 75 beds. *Hosp. Progr.*, 1941, 22: 78-85.—**Topping, A.** Shortage of beds in fever hospitals. *Brit. M. J.*, 1942, 2: 765.—**Wesselhoft, C.** Hospitalization of communicable diseases; advantage of central units serving large areas. *Hospitals*, 1940, 14: No. 11, 82-4.

Immunity.

See also subheading **Defense mechanism of body; Epidemic, Immunological aspect; Immunity;** also proper names of infectious diseases as **Anthrax, Immunity;** also names of immune bodies.

BESREDKA, A. Immunity in infectious diseases. 364p. 8° Lond., 1930.

Antibodies and immunity to infection. *Lancet, Lond.*, 1940, 2: 303.—**Araujo Costa, G.** Papel das infecções na imunidade natural e nas infecções. *Brasil méd.*, 1940, 54: 743-5.—**Besredka, A.** Local immunity in infectious diseases. *Tr. R. Soc. Trop. M. Hyg., Lond.*, 1923-24, 17: 346-68.—**Broadbent, J. F. H.** The establishment of immunity in some of the infectious fevers. *Tr. M. Soc. London*, 1933, 56: 1-21. Also *Lancet, Lond.*, 1932, 2: 823.—**Bruynoghe, R.** L'immunité d'infection. *Rev. méd., Louvain*, 1930, 161-72.—**Bryant, C. P.** Present status of infection and immunity. *Hahnemann. Month.*, 1941, 76: 1035-49.—**Campbell, W.** Plenary session on immunity and public health. *J. R. San. Inst.*, 1935-36, 56: 807-17.—**Dienes, L.** The specific immunity response and the healing of infectious diseases; significance of active immunity and the connections between the immunity response and the anatomic lesions. *Arch. Path., Chic.*, 1936, 21: 357-86.—**& Schoenheit, E. W.** Certain characteristics of the infectious processes in connection with the influence exerted on the immunity responses. *J. Immun., Balt.*, 1930, 19: 41-61.—**Domingo, P.** Aspectos de la reacción inmunológica a la infección. *Arch. med., Madr.*, 1927, 26: 745-50.—**Action du système complément-anticorps spécifique sur la bactérie germant dans un milieu optimum.** *C. rend. Soc. biol.*, 1932, 110: 226.—**Doull, J. A., Hudson, N. P., & Hahn, R. C.** A note on poliomyelitis, diphtheria and scarlet fever antibodies in serum from the Philippines. *Am. J. Hyg.*, 1935, 21: 540-2.—**Fiessinger, N.** La cataphylaxie viscérale. In *Libro de oro M. R. Castex, B. Air.*, 1938, 2: 478-83.—**Galanova, N. V.** [New means in the study of immunity and allergy in infectious diseases; immunity of the cells of the intestinal tract] *J. mikrob., Moskva*, 1938, 20: No. 3-4, 97-103.—**Guffeld, F. von.** Immunität und Disposition bei ansteckenden Krankheiten. *Bl. Volksgesundhpf.*, 1927, 27: 154-7.—**Harris, W. H., & Walther, S.** Local protection or immunity with evidences of experimental application. *South. M. J.*, 1940, 33: 925-31.—**Hayek, H. von.** Die immunbiologische Erfassung der Infektionskrankheiten und ihre praktische Bedeutung. *Wien. k.in. Wschr.*, 1924, 37: 965-70.—**Hipp, J. A.** Biological observations in practice. *J. Med. Pract.*, 1936, 1: 102-4.—**Ioffe, V. I.** [The next problem in the study of the question of infection and immunity] *J. mikrob., Moskva*, 1940, No. 4, 3-12.—**Irwin, M. R.** Inheritance as a factor in resistance to an infectious disease; the uniform reaction of an inbred strain of animals. *J. Immun., Balt.*, 1933, 24: 285-95.—**Jürgens, G.** Die Immunitätsbildung als Wesen der Infektionskrankheiten. *Med. Welt*, 1935, 9: 258; 330; 442.—**Krichevsky, I. L., & Galanova, N. V.** [New methods in the study of immunity and allergy in infectious diseases] *J. mikrob., Moskva*, 1937, 18: 295-308. Also *Gior. batt. immun.*, 1937, 18: 305-28.—**Krichevsky, I. L., & Marveev, K. I.** [Investigations on immunity and allergy in infectious diseases] *J. mikrob., Moskva*, 1937, 19: 365-70.—**Lacorte, J. G.** Infecção e imunidade. *Impr. med.*, Rio, 1942, 18: No. 345, 45-9.—**Lange, B.** Natürliche Resistenz und spezifische Immunität in ihrer Bedeutung für die Infektionskrankheiten des Menschen. *Jahrbuch. ärztl. Fortbild.*, 1930, 21: H. 10, 1-33.—**McKhan, C. F., & Coady, H.** Immunity in infants to infectious diseases: placental antibodies. *South. M. J.*, 1934, 27: 20-4.—**Mayz Vallenilla, O.** La inmunidad del niño sano; importancia del estado nutritivo en los procesos

infecciosos de la infancia. Rev. Soc. med. quir. Zulia, 1941, 15: 1310-6.—Messer, A. I. Some aspects of immunity in infectious disease. Pub. Health, Lond., 1938-39, 52: 102-6.—Meyer zu Hörste, G. Ueber Immunitätsschwankungen bei Infektionskrankheiten. Mschr. Kinderh., 1934, 61: 94-100.—Moshkovsky, S. D. [Significance of immunity in infectious diseases; the law of reinoculation] Med. parazit., Moskva, 1937, 6: 291-303.—Orskov, J. Infektions- og immunitetsmekanismen, belyst gennem dyreksperimentet. Nord. med., 1941, 12: 3154-7 (microfilm).—Pettersson, A. On immunity to the negatactic substance of bacteria. Acta path. microb. scand., 1940, 17: 273-85.—Sergent, E. Immunité ou préimmunité dans les maladies à hémocytosaires (paludismes, piropasmoses) Arch. Inst. Pasteur Algérie, 1936, 14: 413-7.—Skvirsky, C. [Chemistry of tissue immunity in acute infections] Sovet. vrach. gaz., 1934, 38: 1408-18.—Stocks, P. Infectiousness and immunity in regard to chickenpox, whooping-cough, diphtheria, scarlet fever and measles. Proc. R. Soc. Med., Lond., 1929-30, 23: Sect. Epidem., 65-84.—Trivellini, A. Infezione sperimentale ed equilibri immunitari. Gior. batt. immun., 1932, 9: 401-64.

— Immunization.

See also Immunization.

Barenberg, L. H., Levy, W. [et al.] Prophylactic use of human serum against contagion in a pediatric ward; further observations, with special reference to measles and rubella. Am. J. Dis. Child., 1942, 63: 1101-9.—Barragué, A. J. Ponencia del Director del Centro de salud pública de Tacuarembó; vacunación contra la difteria y contra la fiebre tifoidea. Bol. sal. pub., Montev., 1941, 2. época, 1. No. 2, 51.—Barreto-J. de B. Práticas modernas da imunização em infecções peculiares à infância. Arch. hyg., Rio, 1928, 2: 181-200, 8 ch.—Biehler, M. [Therapeutic and prophylactic value of placental extract for measles, scarlet fever and parotitis] Warsz. czas. lek., 1939, 16: 101-5.—Celarek, J., & Stetkiewicz, S. [Tetanus anatoxin and antityphoid vaccine in preventive treatment] Lek. wojsk., 1931, 18: 1-11.—Charrin & Lévy-Frankel. Différences fondamentales dans le mécanisme et l'évolution des augmentations de résistance à l'infection suivant les procédés utilisés. C. rend. Acad. sc., 1907, 143: 397-400.—Davis, K. J. Prophylactic value of vaccines and toxins. College J., Kansas City, 1942, 26: 72-5.—Debré, R. Le centre de séroprophylaxie de l'Hôpital Hérod et son activité. J. méd. Paris, 1939, 59: 527-32.—Ferencz, P. L'immunizzazione passiva a carico di un'altra infezione. Pediatria (Riv.) 1935, 43: 237.—Immunization and therapeutic procedures for acute infectious disease. J. S. Carolina M. Ass., 1941, 37: 147; 210.—Jusatz, H. J. Vitamine und Immunisierung. Fortsch. Ther., 1938, 14: 643-51.—Kendrick, P. L. A study of simultaneous immunization of children against pertussis and diphtheria. J. Bact., Balt., 1941, 42: 294.—Ledingham, J. Berry, D. W. [et al.] Immunization against infectious fevers. Brit. M. J., 1939, 2: 411.—Legrand, R. Prophylaxie des maladies de l'enfance par l'emploi du sérum ou du sang total de convalescents. Echo méd. nord, 1935, 3. ser., 3: 497-507.—Nové-Jossierand, L., Thévenon & Amic. De quelques vaccinations antityphoidiques et antidiptériques pratiquées chez des enfants tuberculeux. J. méd. Lyon, 1930, 11: 1-7.—Rake, G. Active immunity against an intestinal and a respiratory infection. Am. J. Hyg., 1938, 28: 377-89.—Richards, W. B. Immunization against the common diseases of childhood. Minnesota M., 1937, 20: 579-82.—Richardson, F. H. Preventive inoculations for children. Long Island M. J., 1925, 19: 393.—Schlutz, F. W. Immunización contra enfermedades infecciosas. Arch. lat. amer. pediat., B. Air., 1927, 3. ser., 21: 570-85.—Sedláček, K. Treatment of diphtheria and scarlet fever by active immunization. Brit. J. Child. Dis., 1938, 35: 175-82. Also Cult. med. mod., Pal., 1938, 17: 155-9.—Varnali, N. G. [Anti-diphtheric and anti-scarlatinous vaccination in grade schools] Rev. st. med., Bucur., 1936, 25: 1083-93.—Wilkins, L. Immunization against the contagious diseases of childhood: Diphtheria, scarlet fever, whooping cough and measles. Internat. Clin., 1934, 44. ser., 2: 266; 3: 252.

— Incubation period.

LENNERTZ, A. *Ältere Ansichten und Beobachtungen über die Inkubationszeit des Typhus, der Cholera und der Pneumonie, 1850-1900. 31p. 8°. Münch. [1935]

Grüner, O., & Hamburger, F. Ueber Inkubationszeit. Wien. klin. Wschr., 1910, 23: 313-5.—Hamburger, F. Ueber die Inkubationszeit. Münch. med. Wschr., 1926, 73: 1233.—Sereni, E. Sulla natura del periodo di incubazione. Boll. Soc. ital. biol. sper., 1930, 5: 1150-5.—Stachelin, R. Inkubationszeit und Militärversicherung; Inkubationszeit bei Meningitis und Lobärpneumonie. Schweiz. med. Wschr., 1941, 71: 1393-6.—Weichbrodt, R. Beeinflussung der Inkubationszeit bei Infektionskrankheiten. Deut. med. Wschr., 1925, 51: 1949.—Young, W. W. The mobilization period. J. Am. Inst. Homeop., 1941, 34: 63-5.—Zironi, A. Sulla natura della immunità; sul periodo di incubazione delle malattie infettive. Boll. Ist. sieroter. milan., 1927, 6: 1-12. Also Rev. sudamer. endocr., B. Air., 1927, 10: 359-72.

Industrial and occupational aspect.

See also under names of trades; also such headings as Anthrax, industrial, etc.

Frage (Zur), wann eine Infektionskrankheit als Berufs-krankheit im Sinne der Unfallversicherung anzusehen ist. Reichsgesundhbl., 1939, 14: 105.—Goff, C. W. Moisture as an etiologic factor in industrial infections. J. Indust. Hyg., 1927, 9: 18-21.—Holton, C. F. Syphilis, malaria and hookworm disease as industrial hazards in the South. South. M. J., 1938, 31: 1011-6.—Kostrzewski, J. [Industrial work and acute infectious diseases] Polska gaz. lek., 1938, 17: 21-3.—Meyer, K. F. The heterogenous infection chains as occupational diseases. Arch. Gewerbepath., 1933-34, 5: 501-82.—Morkotun, K. S. K voprosu ob otnoshenii infektsionnikh zabollivaniy k professionalnim. Med. pribav. morsk. sborniku, 1909, pt 2, 255-61.—Schulz, W. Infektionskrankheiten im Berufsleben. Aerztl. Sachverst. Ztg., 1937, 43: 257-61.—V. Infektionskrankheit als Berufskrankheit. Med. Klin., Berl., 1940, 36: 1121 (microfilm)—Vulpis, O. Infektionskrankheit als Unfallfolge bei Krankenpflegepersonal. Mschr. Unfallh., 1924, 31: 185-9.

— Insurance aspect.

BEHREND, W. *Die versicherungsrechtliche Stellung der Infektionskrankheiten in der Unfallversicherung. 15p. 8°. Kiel [1936]

Accident insurance; streptococcal infection or staphylococcal infection as cause of death. J. Am. M. Ass., 1936, 107: 741.—Dominici, F. La questione dei portatori di germi patogeni rispetto all'assicurazione generica sulle malattie. Arch. antrop. crim., Tor., 1935, 55: Suppl., 74-89.—Schultz, W. Infektionskrankheiten. In Aerztl. Gutacht. (A. W. Fischer & G. Molinex) Lpz., 1939, 2: 790-821.

— Laws and regulations.

See also Communicable disease, Laws and regulations; Disinfection; Epidemic, Legislation.

FRANCIS, II. Leggi penali affini di prevenire il contagio. 8p. 31cm. [Wien, 1805]

NEWPORT, R. I. BOARD OF HEALTH. An ordinance relative to the prevention of diseases (passed June 1, 1886) 11. 8°. [Newport, 1886?]

Beltran, J. R. Arreglo de la medicina por decreto del 9 de abril de 1822. Prensa méd. argent., 1939, 26: pt 2, 1917-20.—Bieber. Wichtige Bestimmungen der Verordnung zur Bekämpfung übertragbarer Krankheiten. Hippokrates, Stuttg., 1939, 10: 820-3.—Brick, H. Eine Postordnung aus Seuchengesetz. Mschr. öff. Gesundheitsl., 1906, 29: 181-3.—Ciaccia, M. La vigilanza sanitaria sui provenienti da siti infetti nella legislazione e nella pratica. Atti Congr. internaz. tecn. san., 1931, 2. Congr., 3: 291-6.—Hailer. Die gesetzlichen Grundlagen der Bekämpfung der Infektionskrankheiten in England und Schottland. Reichsgesundhbl., 1934, 9: 208-11.—Herber, J. Legislation sanitaire maritime: le pavillon quarantenaire. Ann. hyg., Par., 1937, n. ser., 15: 69-78.—Hofmök, E. Das Volksseuchengesetz. Wien. klin. Wschr., 1909, 22: 568.—Israel. Das preussische Seuchengesetz. Reichs Med. Anz., 1906, 31: 206; 226.—[Italy] Circulaire ministérielle, Santé publique, du 7 février 1939-XVII, relative à la prophylaxie des maladies infectieuses. Bull. Off. internat. hyg. pub., Par., 1940, 32: 29-31.—Laurek. Das Gesetz betreffend die Bekämpfung übertragbarer Krankheiten vom 28. August 1905 in seiner Bedeutung für den praktischen Arzt. Berl. klin. Wschr., 1906, 43: 300-2.—McIntosh, T. S. A note on the law relating to infectious diseases. Med. Off., Lond., 1926, 35: 76-8.—Martineck, O. Das preussische Seuchengesetz vom 28. August 1905 und die Rechte und Pflichten des praktischen Arztes. Med. Klin., Berl., 1905, 1: 1282; 1308.—Martiny, M. Les lois cachées de la maladie aiguë infectieuse. Vie méd., 1933, 14: 341-6.—Maurans, de. La nouvelle loi prussienne sur les maladies transmissibles. Sem. méd., Par., 1905, 25: 373-5.—Medical legislation; District of Columbia. J. Am. M. Ass., 1939, 113: 602.—Möllers, B. Die Neuregelung der Bekämpfung der übertragbaren Krankheiten und ihre Bedeutung für den Kinderarzt. Kinderärztl. Prax., 1939, 10: 277-80.—Nesemann, F. Das preussische Gesetz, betreffend die Bekämpfung übertragbarer Krankheiten, vom 28. August 1905, unter Berücksichtigung des Reichsgesetzes betreffend die Bekämpfung gemeingefährlicher Krankheiten vom 30. Juni 1900. Zschr. sociale Med., 1906, 1: 55; passim.—Nineteen hundred and forty Law against tuberculosis and venereal diseases. Népegészségügy, 1940, 21: H. 13. Suppl., 1-20.—[O]riol [R]ouquillo J. Reforma de la legislación farmacéutica; deberes y derechos del farmacéutico; epidemias. Botica, Barcel., 1852-53, 1: 241.—[Regulation No. 888/1940 of the Department of Interior on execution of the No. 1940: VI; law on prevention of tuberculosis and venereal diseases] Népegészségügy, 1940, 21: 1266-324.—Roumanie. Règlement du 9 mars 1939 pour la prophylaxie et la lutte contre les maladies infectieuses. Bull. Off. internat. hyg. pub., Par., 1939, 31: 1558; 1654; 1768; 1851.—Schmedding. Das preussische Gesetz betr. die Bekämpfung übertragbarer Krankheiten. Zbl. allg. Gesundheitsl., 1905, 24: 287-308.—Serres, J. R. Las enfermedades con-

tagiosas en general, y la tuberculosis en particular, frente de las acciones judiciales de redhibición y de nulidad; la prohibición de venta. *Rev. zootéc.*, B. Air., 1939, 26: No. 246, 5-34.—**Siebeking**. Ueber die Bekämpfung der ansteckenden Krankheiten und die dafür geltenden gesetzlichen Bestimmungen. *Vertrauensarzt*, 1935, 3: 101-3.—**Stephens, J. E. R.** The law relating to infectious diseases. *Hospital*, Lond., 1902-3, 32: 384; *passim*.—**Suisse**. Circulaire du Service fédéral de l'hygiène publique aux gouvernements cantonaux, relative à la protection du pays contre les maladies épidémiques. *Bull. Off. internat. hyg. pub.*, Par., 1939, 31: 1775-8.—**Verebely, T.** [The Hungarian anti-tuberculosis and anti-venereal bill] *Orv. hetil.*, 1940, 84: 197.

— localized.

See also organs and regions affected as **Abdomen**, Abscess; **Abdominal wall**, Abscess and gangrene; **Antrum**, Inflammation and infection; **Anus**, Diseases, mycotic, etc.

BARRACAN, E. *Les injections intra-artérielles de mercurochrome dans les infections graves localisées. 44p. 25cm. Lyon, 1937.

HENNICKE, W. *Die Erfahrungen der chirurgischen Frühbehandlung lokaler Infektionen. 37p. 23cm. Marb., 1936.

Allen, F. M. Experiments concerning ligation and refrigeration in relation to local intoxication and infection. *Surg. Gyn. Obst.*, 1939, 68: 1047-51.—**Arakcheev, V. N.** [Dold's method for studying the local effect of bacteria on the tissues] *Vest. mikrob.*, 1928, 7: 143-8.—**Boyd, L. J.**, & **Weissberg, J.** The treatment of local infections by the application of bacterial antigens. *Med. Rec.*, N. Y., 1942, 155: 81-5.—**Conway, J. H.** Subcutaneous temperatures in localized infections. *Proc. Soc. Exp. Biol.*, N. Y., 1936, 34: 353-7.—**De Kraft F.**, **Snow, W. B.** [et al.] Acute local infection treated by heat and radiant energy. *Phys. Ther.*, 1927, 45: 176-87.—**Devantier, H.** On anti-virus treatment of local infections. *Acta chir. scand.*, 1936, 78: 224.—**Dietrich, A.**, & **Nordmann, M.** Infektion und Kreislauf nach mikroskopischen Beobachtungen am lebenden Säugtier; die erste halbe Stunde der lokalen Infektion an normalen und vorbehandelten Tieren. *Krankheitsforschung*, 1928, 6: 217-38.—**Hanner, K.** [Experiences with Lawén's blood method in treatment of local infections] *Sven. läk. tidn.*, 1938, 35: 1199-208.—**Hodges, F. M.** The Roentgen ray in the treatment of certain localized infections. *South. M. J.*, 1926, 19: 857.—**Levaditi, C.**, **Fasquelle, R.** [et al.] Les sélecteurs. *Rev. immun.*, Par., 1938, 4: 481-97.—**Lewy, W. G.** Treatment of local infectious with higher frequency electricity. *Med. World*, 1938, 56: 365-7.—**Malakhov, A. I.** [Treatment of local infections with drying moist applications and warming compresses of gaza-Brandi buffer solution] *Vrach. delo*, 1929, 12: 1349-53.—**Neter, E.** Effects of azochloramid and sulfonamides in localized infections of man. *J. Bact.*, Balt., 1942, 44: 261.—**—** Effects of sulfonamides used in conjunction with azochloramid in localized infections; report of 2 cases. *Am. J. Surg.*, 1942, 58: 69-72.—**Nisii, R.** Ueber die Reaktion der regionalen Lymphknoten bei lokaler Infektion und Reinfektion. *Krankheitsforschung*, 1929, 7: 333-56, 2 pl.—**Reznart, R.** Quelques résultats obtenus à l'aide de la vaccinotherapie au cours des traitements d'infections localisées. *Rev. odont.*, Par., 1926, 47: 14-23.—**Saleeby, E.**, & **Harkins, M. J.** Comparative study of antiseptics in experimentally produced local infections. *Ann. Surg.*, 1932, 95: 249-52.—**Snow, W. B.** Treatment of local infection. *Internat. Clin.*, 1926, 36, ser. 1: 101-11. Also *Phys. Ther.*, 1926, 44: 541-51.—**Taddci, D.** Il fattore ristagno nella patogenesi di molte infezioni locali. *Gior. med. prat.*, 1928, 10: 1-4.—**Toomey, J. A.** Infection and immunity; local infection and immunity. *J. Pediat.*, S. Louis, 1936, 8: 638-45.—**Vilar Fiol, R.** El tratamiento de las infecciones locales: los antiviruses. *Arch. med.*, Madr., 1928, 28: 816-25.—**Walker, G. W.**, & **Awrey, H.** Infections in the danger area of the lips, face and nose. *California West. M.*, 1938, 48: 427-30.

— Manifestation.

See also **Erythema**; **Exanthema**; **Fever**; **Inflammation**; **Psychosis**, etc.

Bayle. Le délire dans les maladies infectieuses aiguës. *Arch. méd. pharm. nav.*, 1935, 125: 56-78.—**Beck, O.** Ueber die Veränderungen des Grundumsatzes im infektiösen Fieber. *Mtschr. Kinderh.*, 1931, 49: 361-72.—**Bessau, G.**, **Rosenbaum, S.**, & **Leichtentritt, B.** Beiträge zur Säuglingsintoxikation; das Intoxikationssyndrom bei infektiösen Zuständen. *Ibid.*, 1923, 25: 17-29.—**Bezançon, F.**, & **Weil, M. P.** Fièvres infectieuses et fièvres protéiniques. *Ann. méd.*, Par., 1924, 16: 522-56.—**Bogdanovich, Y.** [Etiology of exanthems and their diagnostic value in infectious diseases] *Voj. san. glasnik*, 1930, 1: 224-34.—**Bormann, F. von**. Ueber Frühsymptome der Infektionskrankheiten im Kindesalter. *Münch. med. Wschr.*, 1934, 81: 1236-40. Also *Dia méd.*, B. Air., 1934-35, 7: 737-9.—**Bosch, G.**, & **Andia, E. D.** Sobre un caso de psicopatía de origen infeccioso. *Ibid.*, 1931-32, 4: 795-7.—**Breitmann, M. J.** Eine Methode der quantitativen Messung der thermometrischen

Belastung bei Infektionskrankheiten. *Zbl. Bakt.*, 1. Abt., 1923, 90: Orig., 301-3.—**Cabitto, L.** Sulle psicosi da infezione. *Ann. Osp. psichiat. Perugia*, 1933, 27: 14-39.—**—** L'ipodermoclisi nella terapia delle psicosi da infezione. *Osp. maggiore Novara*, 1933, 10: 383-7.—**Combemale, P.**, & **Noguier, P.** Sur l'origine infectieuse des psychoses. *Echo méd. nord*, 1933, 37: 543-50.—**Cossa, P.** De quelques psychoses toxi-infectieuses d'origine intestinale. *Ann. méd. psychol.*, Par., 1934, 92: pt 2, 73-9.—**Faxén, N.** The influence of the environment on the temperature curve in infectious diseases. *Acta paediat.*, Upps., 1939, 26: 146-57.—**Ferrabouc, L.** Manifestations cutanées de la peste et de la tularémie. In *Traité derm.* (Belot, J., et al.) Par., 1: fasc. 2, 219.—**Herz, E.** Gehäuftes Auftreten von Infektionspsychosen mit neurologischen und Liquorveränderungen (vorläufige Mitteilung). *Klin. Wschr.*, 1926, 5: 350-2.—**Hess, A. F.** On the elimination of bacteria from the blood through the wall of the intestine. *Proc. Soc. Exp. Biol.*, N. Y., 1909-10, 7: 82-5. Also *Arch. Int. M.*, 1910, 6: 522-31. Also in *Collect. Stud. Res. Lab. Dep. Health*, N. Y., 1911, 6: 290-7.—**Jochims, J.** Viscosimetrische Untersuchungen über die Wasserbindung der Plasminkolloide; die Wasserbindung des Blutplasmas beim alimentären und infektiösen Fieber des Säuglings. *Zschr. Kinderh.*, 1932, 53: 42-58.—**Kémeri, D.** Haut- und innere Erkrankungen als Spätsymptome akuter Infektionskrankheiten. *Derm. Wschr.*, 1935, 101: 939-47.—**—** Haut- und innere Erkrankungen als Zeichen der akuten Infektionskrankheiten (Vortrag). *Zbl. Haut Geschlkr.*, 1935-36, 52: 405. Also *Derm. Wschr.*, 1936, 102: 55-7.—**Kisel, A.** [Acute intoxication in the beginning of infectious diseases in children] *Vrach. delo*, 1928, 11: 456-60.—**Lefebvre**. Les fièvres prolongées dans le jeune âge. *Arch. méd. belges*, 1924, 77: 106-11.—**Malignant (toxic) syndrome in the acute infectious diseases.** *J. Am. M. Ass.*, 1939, 112: 71.—**Martínez Dalke, L. M.** La sintomatología psíquica en las enfermedades infecciosas. *Scn. méd.*, B. Air., 1942, 49: 550-5.—**Martínez-Fortún y Foyo, J. A.** De la fiebre y enfermedades agudas infecciosas. *An. Acad. cienc. méd. Habana*, 1938-39, 75: 117-57.—**Monfalcon, J. B.** Essai pour servir à l'histoire des fièvres adynamiques et ataxiques: Lyon, 1823. *Observ. sc. méd.*, 1823, 6: 19-31.—**Montaud, R. de**. Infecciones y psicosis. *Med. ibera*, 1933, 27: pt 1, 853-7.—**Nedzel, A. J.** A study of muscle temperature during bacterial chill. *Proc. Soc. Exp. Biol.*, N. Y., 1934, 32: 279-81.—**Nelson, G. M.** Evidence of visceral infection. *Med. Clin. N. America*, 1934, 18: 143-53.—**Petit, G.**, & **Baudard, A.** Psychose infectieuse chronique avec stéréotypies litaniques verbales et graphiques, palilalie, paligraphie et tachypnée anxieuse. *Ann. méd. psychol.*, Par., 1934, 92: pt 2, 269-76.—**Piñero, H. M.** Psicosis post-reumática. *Rev. crim.*, B. Air., 1928, 15: 550-8. Also *Sem. méd.*, B. Air., 1928, 35: pt 2, 1601-6.—**Randolph, B. M.** The relation of infection in early life to subsequent mental disorder. *Virginia M. Month.*, 1932, 58: 719-23.—**Retrouvey, H.** Manifestations laryngées des maladies infectieuses. *Rev. laryng.*, Par., 1931, 52: 502-16. Also *Dia méd.*, B. Air., 1932-33, 5: 619.—**Richet, C.** A propos de la note de I. Balteano. *C. rend. Soc. biol.*, 1922, 87: 946.—**Simonini, A.** Successione a breve distanza di manifestazioni morbose diverse in un uno stesso soggetto probabilmente dovute ad un medesimo agente infettivo. *Clin. pediat.*, Mod., 1939, 21: 154-67.—**Zilboorg, G.** A psychosis caused by a latent focus of infection (ischio-rectal abscess). *N. York State J. M.*, 1927, 27: 714-6.—**Zironi, A.** Perturbamenti funzionali primitivi nelle malattie infettive. *Boll. Ist. sieroter. milan.*, 1937, 16: 265-87.

— Manuals and periodicals.

See also **Epidemiology**, Manuals; **Microbiology**.

BEZANÇON, F., & **PHILIBERT, A.** *Maladies infectieuses (première partie)*. 2. éd. 583p. 8°. Par., 1935.

BINGOLD, K., **CHAGAS, C.** [et al.] *Infektionskrankheiten*. 2. Aufl. 2. Bd. 1515p. 8°. Berl., 1925.

BUENOS AIRES. HOSPITAL F. J. MUÑIZ. POLICLÍNICA DE ENFERMEDADES INFECCIOSAS. SALA VIII. *Anales. B. Air.*, No. 2, 1940—

BURNET, F. M. *Biological aspects of infectious disease*. 310p. 22cm. Cambr., Eng., 1940.

CALLIGARIS, G. *Malattie infettive*. 579p. 25cm. Udine [1938]

CHALIER, J. *Précis des maladies infectieuses*. 700p. 8°. Par., 1934.

DANYSZ, J. *Principes de l'évolution des maladies infectieuses*. 171p. 8°. Par., 1918.

DREW, J. *Man, microbe, and malady*. 218p. 18cm. Harmondsworth, Engl. [1940]

FONSO GANDOLFO, C., & **GONZÁLEZ, H. D.** *Clínica de enfermedades infecciosas y su tratamiento*. 2. ed. 2v. 26½cm. B. Air., 1938-39.

GAGE, N. D., & **LANDON, J. F.** *Communicable diseases*. 3. ed. 458p. 22½cm. Phila., 1942.

- GARCÍA DEL REAL, E. Fiebre tifoidea, paratífus, tífus exantemático. 113p. 23½cm. Madr., 1942.
- GOODALL, E. W., & WASHBOURN [J. W.] A text-book of infectious diseases. 3. ed. 718p. 8° Lond., 1928.
- GORDON, A. K. Systemic infections; their diagnosis and treatment. 176p. 8° Lond., 1928.
- HALBRON, P. Les maladies infectieuses. 190p. 16° Par., 1925.
- HALLE, J., ARMAND-DELILLE [et al.] Infections à germe inconnu. 383p. 8° Par., 1921.
- HANDBUCH DER INNEREN MEDIZIN. Bd1: Infektionskrankheiten. R. Doerr [et al.] 3. Aufl. 1299p. 8° Berl., 1934.
- HARRIES, E. H. R., & MITMAN, M. Clinical practice in infectious diseases. 468p. 22½cm. Edinb., 1940.
- HEGLER, C. Praktikum der wichtigsten Infektionskrankheiten. 186p. 8° Lpz., 1934. Also 2. Aufl. 1939.
- HOLMES, W. H. Bacillary and rickettsial infections, acute and chronic. 676p. 24cm. N. Y., 1940.
- HUNTEMÜLLER, O., & KIEWE, H. Die Infektionskrankheiten; ihre mikrobiologische Diagnostik und Therapie sowie Massnahmen zu ihrer Verhütung. 140p. 12° Münch., 1926.
- JOCHMANN, G. Lehrbuch der Infektionskrankheiten für Aerzte und Studierende. 2. Aufl. 1077p. 4° Berl., 1924.
- KER, C. B. Ker's infectious diseases; a practical textbook. Rev. by C. Rundle. 3. ed. 614p. 8° Lond., 1929.
- KOLLE, W., & HETSCH, H. Die experimentelle Bakteriologie und die Infektionskrankheiten mit besonderer Berücksichtigung der Immunitätslehre. 5. Aufl. 2v. 8° Berl., 1919. Also 7. Aufl. 2 Bd. 1929. Also 8. Aufl. 836p. 24½cm. Berl., 1938. Also English transl. of 7. German ed. 2v. Lond. [1934]
- LEMERRE, A. A. Maladies infectieuses (deuxième série) leçons cliniques professées à l'Hôpital Claude-Bernard. 307p. 8° Par., 1937.
- LOEPER, M., TURPIN, R. A. [et al.] Maladies infectieuses et parasitaires. 414p. 8° Par., 1935.
- MARX, E. Die experimentelle Diagnostik, Serumtherapie und Prophylaxe der Infektionskrankheiten. 3. Aufl. 486p. 8° Berl., 1914.
- NEWSOM, B. Communicable disease workbook. 4. ed. [87] l. 25cm. [Seattle, Wash.] 1942.
- NICOLLE, C. Naissance, vie et mort des maladies infectieuses. 219p. 12° Par., 1930.
- Destin des maladies infectieuses. 3. éd. 301p. 12° Par., 1937.
- NICOLLE, M. Eléments de microbiologie générale et d'immunologie; morphologie et physiologie des microbes, pathologie générale des infections microbiennes. 2. éd. 358p. 8° Par., 1926.
- PONTANO, T. Le malattie da infezione. 423p. 8° Nap., 1932.
- RAUST, R. *Le rouget et le charbon chez les animaux et chez l'homme [Alfort] 111p. 24½cm. Evreux, 1935.
- ROLLESTON, J. D. Acute infectious diseases; a handbook for practitioners and students. 376p. 8° N. Y., 1925. Also 2. ed. 419p. Lond., 1929. Also 3. ed. [with Ronaldson, G. W.] 477p. Lond., 1940.
- SCHAMBERG, J. F., & KOLMER, J. A. Acute infectious diseases. 2. ed. 888p. 8° Phila., 1928.
- SCHULTZ, W. Infektionskrankheiten. 191p. 8° Dresd., 1936.
- STIMSON, P. M. A manual of the common contagious diseases. 3. ed. 465p. 20cm. Phila., 1940.
- THOMSON, F. H. The diagnosis and treatment of the infectious diseases; a manual for practitioners. 208p. 8° Lond., 1924.
- THORP, E. Infectious diseases for nurses. 134p. 12° Lond., 1929.
- TOP, F. H. [et al.] Handbook of communicable diseases. 682p. 23½cm. S. Louis, 1941.
- VERHOOGEN, R. Traité élémentaire de pathologie interne: Maladies infectieuses. 354p. 8° Par., 1921.
- WEYL'S HANDBUCH DER HYGIENE. Bd. 8: Epidemiologie und Immunität; Infektionskrankheiten und Desinfektion; Geschlechtskrankheiten. 2. Aufl. 1389p. 8° Lpz., 1922.
- KRAUS, R. Infektionskrankheiten. In Spec. Path. Ther. inn. Krankh., Berl., 1919. 2: Teil 1, 1-148.—Park, W. H., & Seigel, M. The infections. In Pract. Libr. M. & S. (Appleton) N. Y., 1937. 12: 535-648.—Stachelin, R. Spezielle Pathologie und Therapie der Infektionskrankheiten. In Lehrb. inn. Med., 3. Aufl., Berl., 1936. 1: 179-319.
- Metabolism.
- BALENBOIS, M. *La déshydratation dans les maladies infectieuses. 40p. 24cm. Par., 1940.
- KOURIE, A. *Contribution à l'étude de la phosphorémie au cours de quelques maladies infectieuses aiguës de l'enfance. 98p. 8° Par., 1935.
- SICK, W. *Blutzuckerkurven bei akuten fieberhaften Infekten. 9p. 8° [Lpz.] 1931.
- Also Münch. med. Wschr., 1931. 78:
- Andresen, J., & Schmidt, A. Zur Frage des Blutzuckerspiegels bei Infektionskrankheiten. Klin. Wschr., 1927. 6: 213.—Bareggi, A. Il comportamento del biligeno nelle malattie infettive acute (contributo allo studio del ricambio emoglobinico) Boll. spec. med. chir., 1927. 1: 105-46.—Berinskaia, A. N. [Carbohydrate metabolism in infectious diseases and glucose-insulin therapy] Klin. med., Moskva, 1940. 18: No. 4, 102-13.—Bremis, A. [Alimentary hyperglycemia in certain acute infectious diseases] Ugeskr. læger, 1932. 94: 403-7.—Nissen, N. J. [Oral and intravenous glucose tolerance curves in certain acute infectious diseases] Ibid., 1933. 94: 1203-6.—Brugi, A. Il coefficiente uro-emolitico nelle malattie infettive. Fol. med., Nap., 1923. 9: 731-5.
- Sul comportamento della reazione xantoproteica nelle malattie infettive generali. Gazz. internaz. med. chir., 1929. 37: 274-81.—Cho, T. S. Blood calcium content in several infectious diseases. J. Chosen M. Ass., 1933. 28: 51.—Cugini, J. La polipeptidemia en las enfermedades infecciosas. Rev. sudamer. endocr., B. Air., 1941. 24: 468.—Dubrovnik, V. F. [Assimilation of proteins, fats and carbohydrates in certain infectious diseases] Tr. Gosud. inst. med. znani, 1929. No. 5, 81-90, ch.—Elkeles, A., & Heimann, F. Ueber Störungen der Blutzuckerregulation bei akuten Infektionskrankheiten. Klin. Wschr., 1928. 7: 836-9.—Flanchik, S. I., & Odinov, A. I. [Dynamics of the changes of blood lipids in certain infectious diseases (typhus, typhoid, pneumonia)] Vrach. delo, 1930. 19: 857-62.—Frola, E. Sul comportamento dei lipidi tissurali nel decorso delle infezioni acute; ulteriore contributo allo studio delle alterazioni del ricambio materiale nelle infezioni acute. Fisiol. & med., Roma, 1934. 5: 251-64.—Fukuda, T., & Itabasi, K. Ueber die Hyperglykämie bei der experimentellen Infektion. Zschr. ges. exp. Med., 1931. 76: 756-9.—Garibbo, A. Metabolismo basale e fondamentale nel periodo di stato e di convalescenza di alcune malattie infettive acute. Arch. ital. pediat., 1932. 1: 373-401.—Hamilton, C. B. The calcium and phosphorus of the human blood serum with respect to various infections. Bull. George Washington Univ., Wash. (1931) 1925-28. Summ. Theses, 22-34.—Harris, L. J., Passmore, R., & Pagel, W. Vitamin C and infection; influence of infection on the vitamin-C content of the tissues of animals. Lancet, Lond., 1937. 2: 183-6.—Kuzmicheva, A. [Ascorbic acid in the organs in infectious diseases] Klin. med., Moskvai 1942. 20: No. 5, 87-92.—Lavergne, V. de, & Kissel, P. Essa, d'interprétation des variations de la cholestérolémie au cours des infections aiguës. Presse méd., 1934. 42: 393-5.—Lisenby, J. O. Carbohydrate metabolism in the presence of infection. South. M. J., 1940. 33: 1328-30.—Liverani, E. Il comportamento dell'acido lattico del sangue nelle malattie infettive acute. Arch. farm. sper., 1930-31. 51: 245-65.—Long, M., & Downie, E. Observations of disturbances of glucose tolerance during the course of infections. Med. J. Australia, 1932. 1: 647.—McKenzie, B. W., & Elliott, J. The serum proteins in pyogenic infections; with special reference to surgical infections.

South. M. & S., 1935, 97: 7-10.—Menasci, R. Il dosaggio della colesferina del sangue nelle malattie acute da infezione. Gazz. osp., 1927, 48: 219-23.—Minet, J., & Warembourg, H. Maladies infectieuses et métabolisme des glucides. Progr. méd., Par., 1939, 447-9.—Nielsen, N. A. Ueber die Ursache der alimentären Glykosurie bei acuten Infektionskrankheiten. Acta med. scand., 1934, 82: 306-10.—Oberdan, T. La colesferinemia nelle malattie infettive; fattore che ne provocano le variazioni. Gazz. osp., 1934, 55: 1483-6.—Pamboukis, D., & Sofriades, D. Recherches expérimentales sur le rôle de l'alcalse du sang pendant les infections. Rev. méd. fr., 1933, 14: 597.—Petrunkin, M. Ueber die Veränderungen im Gange der Blutzuckerkurven während einiger infektiöser Krankheiten. Zschr. Kinderh., 1934-35, 57: 138-52.—Slatceanu, A., Balteanu, I. [et al.] Equilibre acido-basique dans les maladies infectieuses. Arch. roumain. path., Par., 1936, 9: 531-75. — Sur la teneur en phosphore, en calcium et en potassium dans quelques maladies infectieuses. C. rend. Soc. biol., 1937, 126: 814-6.—Stefanini, S., & Antonini, M. La proteinemia in alcune malattie infettive dell'infanzia. Med. inf., Roma, 1937, 8: 251-67.—Sterkin, E. I., Vengerova, F. M., & Shenderovich, M. I. [Lactacidemia in giving invert sugar (fructose) in certain acute, infectious diseases in man (typhus and pneumonia)] Vrach. delo, 1934, 17: 701-8.—Stoesser, A. V. Study of cholesterol fractions in acute infections. Proc. Soc. Exp. Biol., N. Y., 1934-35, 32: 1324.—Williams, J. L., & Dick, G. F. Decreased dextrose tolerance in acute infectious diseases. Arch. Int. M., 1932, 50: 801-18.—Zuckermann, C. La hiperetonuria en los enfermos infecciosos sometidos a régimen lácteo. A. M. M., Méx., 1925, 3: 683-5.

— metazoic.

See under proper names of metazoic diseases as Filariasis; Helminthosis, etc.

— Microbiology.

KRICHESKY, I. L. [Microbiology of infectious diseases in man] 4. ed. 271p. 24½cm. Moskva, 1931.

Bezançon, F., & Philibert, A. Maladies dues aux bactéries du genre bacillus. In Précis path. méd. (Bezançon, et al.) 2. éd., Par., 1935, 1: 289-332.—Bonmati, C. Las dualidades microbianas en la etiología real de las enfermedades infecciosas. Rev. españ. med. cir., 1926, 9: 9-11.—Frayde Martínez, J. Los microbios y aplicación de los conocimientos microbianos al estudio de las principales enfermedades infecciosas; preceptos de la higiene; esterilización y desinfección. Crón. méd. quir. Habana, 1922, 48: 603-13.—Guilherme Lacorte, J. Contagem de bacterias de determinado meio. Acta med., Rio, 1939, 3: 130-2.—Lumière, A. La lutte contre l'infection; le microbe et le terrain. Progr. méd., Par., 1936, 761-5.—Reimann, H. A. The significance of bacterial type transformation in infectious disease and epidemiology. Tr. Ass. Am. Physicians, 1938, 53: 270-4. — The bacillary diseases. In Int. Med. (Musser, J. H.) 3. ed., Phila., 1938, 21-123.

— Military and naval aspects.

See also Epidemic, Military and naval aspects; Infection—in wartime.

GHIVARELLO, R. Per la difesa sanitaria del nostro esercito: Vaiuolo e vaccinazione contro febbre tifoidea, il colera e la sua profilassi; sulla meningite cerebro-spinale-epidémica. 2. ed. 82p. 8°. Campobasso, 1918.

UNITED STATES. WAR DEPARTMENT. ARMY REGULATIONS. No. 40-210. MEDICAL DEPARTMENT. The prevention of the communicable diseases of man; general. 5p. 8°. Wash., 1923.

UNITED STATES. WAR DEPARTMENT. ARMY REGULATIONS. No. 40-240. MEDICAL DEPARTMENT. The prevention of the communicable diseases of man; miscellaneous diseases. 4p. 8°. Wash., 1923.

UNITED STATES. WAR DEPARTMENT. SURGEON GENERAL'S OFFICE. The Medical Department of the United States Army in the World War. Volume 9: Communicable and other diseases. 628p. 26cm. Wash., 1928.

Altshul, T. Walter Friedrich; die Entstehungsursachen der Kriegsepidemien; ihre Verhütung und Bekämpfung auf Grund der Kriegserfahrungen von 1870-71. Prag. med. Wschr., 1915, 40: 276; 288.—Army appoints commissions to fight epidemics. Science News Lett., 1941, 39: 171.—Army Central Epidemic Control Board organized. Diplomat, 1942, 14: 123.—Barrenschien, H. K. Ueber Kriegsepidemien im Weltkrieg. Wien. klin. Wschr., 1940, 53: 654-6.—Bijl, J. P. (Civilian physicians and the control of infectious diseases during mobilization) Ned. tscr. geneesk., 1939, 83: 5081-6.—Board for the Investigation and Control of Influenza and Other Epidemic

Diseases in the Army. Army M. Bull., 1942, No. 64, 1-22.—Bormann, F. von. Kriegsepidemien und aktive Immunisierung. Med. Welt, 1940, 14: 861-5.—Brown, O. G. Problems in the control of communicable diseases at replacement depots; A. E. F. In Med. Dep. U. S. Army in the World War, Wash., 1926, 6: 895-8.—Caldwell, R. The rôle of the microbe in war. J. Prev. M., Lond., 1906, 14: 641-57.—Callender, G. R. Division of Infectious Diseases and Laboratories; Surgeon General's Office. In Med. Dep. U. S. Army in the World War, Wash., 1923, 1: 286-307.—Canadian Air Force immunized against diphtheria and scarlet fever. Diplomat, 1941, 13: 335.—Chamberlain, W. P. Prevention of dissemination of disease by discharged soldiers. In Med. Dep. U. S. Army in the World War, Wash., 1926, 6: 514-8.—Civilian physicians to advise Army on epidemics. J. Am. M. Ass., 1941, 116: 510.—Coutinho de Sousa Refoios, J. A epidemiologia militar na paz e na guerra. Bol. Dir. serv. saúde mil., 1938, 449-74.—D'Ovidio, R. Cuáles serán las enfermedades infecciosas más frecuentes en campaña y su profilaxis más eficaz. Rev. sau. mil., B. Air., 1924, 22: 1-33.—Davison, W. C. Reduction of communicable diseases among troops and children during national defense program. War Med., Chic., 1941, 1: 863-72.—Division of Laboratories and Infectious Diseases, Chief Surgeon's Office, American Expeditionary Forces. In Med. Dep. U. S. Army in the World War, Wash., 1927, 2: 137-56.—Dudley, S. F. Some lessons of the distribution of infectious diseases in the Royal Navy. Lancet, Lond., 1931, 1: 509; 570; 683. — Lessons learnt from the attempts to prevent specific fevers in the fighting services. Med. Press & Circ., Lond., 1934, 189: Suppl. Symp. 4, p. i-v.—Emerson, H. An analysis of the incidence of communicable diseases; A. E. F. In Med. Dep. U. S. Army in the World War, Wash., 1926, 6: 1090-1116.—Erkennung (Zur) und Verhütung von Heeres-geuehen. Schweiz. med. Wschr., 1939, 69: 839.—Gellner, G. Prophylaxis of infectious diseases in the battlefield. Voj. zdrav. listy, 1928, 4: 2-17.—Harvey. Lessons from the war vaccination and inoculation. Gior. med. mil., 1923, 71: 370-6.—Hegler, C. Rundschau: einheimische Infektionskrankheiten. Jahrbuch. ärztl. Fortbild., 1939, 30: H. 10, 14-24.—Erkennung überraschend auftretender Infektionskrankheiten im Felde. Münch. med. Wschr., 1939, 86: 1467-70.—Hitchens, A. P. The control of infectious diseases in rapidly mobilized troops. Ann. Int. M., 1941-42, 15: 172-7. — & Campbell, E. P. Communicable diseases and military medicine. Med. Clin. N. America, 1941, 25: 1589-613.—Hoffmann. Ueber Krankenhäuser und Kriegsepidemien. Med. Klin., Berl., 1940, 36: 546 (Abstr.) (microfilm)—Immunization against infectious diseases in the Army. J. Am. M. Ass., 1941, 116: 235.—Jirkovich, B. [Frequency of infectious diseases in the Yugoslav Army] Voj. san. glasnik, 1937, 8: 143-306.—Jude, L. V. R., & Lubet, J. V. H. La police sanitaire, maritime et terrestre dans les états du Levant sous mandat français. Arch. méd. pharm. mil., 1932, 96: 353-79.—Karwacki, L. La lotta contro il tifo peteciale e contro la febbre ricorrente sulla fronte polacca orientale. Atti Congr. internaz. med. farm. mil., 1923, 2. Congr. 489-91.—Katcharevitch, D. [Frequency of infectious diseases in the Yugoslav Army] Voj. san. glasnik, 1934, 5: 776-826.—Kaup, J. Kriegsepidemien im Weltkrieg mit besonderer Berücksichtigung der österr.-ung. Armeen. Münch. med. Wschr., 1938, 85: 1177-80.—Kayer, H. Kriegserfahrungen mit Infektionskrankheiten. Zschr. Hyg., 1924, 103: 241-52.—Kermes, B. Seuchen und Infektionskrankheiten im Kriege und im Frieden. Med. Klin., Berl., 1939, 35: 1517-20.—Laubenheimer, K. Ueber die Verhütung und Bekämpfung von Infektionskrankheiten in Krieg und Frieden. Ibid., 1934, 30: 1229-33.—Lazaro, A. F. La sanidad militar y las epidemias de la guerra del Paraguay. Rev. sau. mil., B. Air., 1928, 27: 511-23.—Lentz. Wie schützen wir uns gegen die Ruhr, Typhus und Fleckfieber? Kriegsarzt. Vortr., 1919, Teil 6, 255-76.—Löhr, H. Zur Vorbeugung und Behandlung einiger Kriegsepidemien. Ruhr. Abdominaltyphus, Grippe. Med. Klin., Berl., 1940, 36: 611; 650; 672; 705 (microfilm)—M., B. A profilaxis das doencas transmissíveis no Exército. Rev. med. mil., Rio, 1942, 31: 1.—Marek, V. [Bacteriological examination of infectious diseases during the Balkan War in Bulgaria in 1913] Lék. rozhledy, 1914, 21: 160-72.—Mariani, G. Considerazioni sulle malattie infettive e parassitarie verificatesi in Somalia durante l'ultima guerra coloniale. Minerva med., Tor., 1937, 28: pt 1, 79-83.—Mercer, N. Disease in military campaigns. Virginia M. Month., 1935-36, 62: 426-9.—Mooser. Verhütung der Kriegsepidemien. Schweiz. med. Wschr., 1940, 70: [Discussion] 422.—Muñiz Angulo, L. La sanidad militar y las enfermedades infecto-contagiosas y venereas. Rev. sau. mil., Habana, 1938, 2: 47-52.—Norris, F. K. Germs and generals. Med. J. Australia, 1939, 2: 781-6.—Novakovich, G. [Incidence of infectious diseases in the Army Yugoslav] Voj. san. glasnik, 1933, 4: 358-65.—Ovidio, R. d'. Las principales enfermedades infecciosas en el ejército argentino. Atti Congr. internaz. med. farm. mil., 1923, 2. Congr., 459-63.—Pancrazio, F. Come si può costituire un locale d'isolamento in zona di guerra. Gazz. osp., 1916, 37: 533-7.—Peixoto, A. As doenças evitáveis. Rev. med. hyg. mil., Rio, 1924, 10: 40-50.—Quiroga, M. V. Profilaxia de algunas enfermedades infecciosas en el ejército; apuntes sobre patología militar. An. sau. mil., B. Air., 1903, 5: 400; 552; 597; 710.—Rodino, N. La difesa in guerra dell'esercito contro le malattie infettive. Terapia, Milano, 1939, 29: 225-47.—Ronnefeldt, F. Kriegsepidemien im besetzten China und Seuchenbekämpfung in der japanischen Besetzungarmee. Deut. Militärarzt, 1939, 4: 484-8.—Rosenberg, N. K., & Berman, V.

M. [Our attainments in prevention of infectious diseases during the last 15 years] Voen. med. J., 1933, 4: 20-32.—**Rozental, L. S.** [Activity of the Moskva detachment for the control of infectious diseases during the Russo-Japanese war] Kharkov M. J., 1908, 5: 129-46.—**Salazar, M. M.** La vacunación preventiva en los ejércitos de tierra, de mar y de aire. Congr. internac. med. farm. mil., 1933, 7. Congr., 2: tema 2, 29-37, pl.—**Schöneberg.** Dienstbeschädigung bei Infektionskrankheiten. Veröff. Heer. San., 1937, H. 102, 323-33.—**Schretzenmayr, A.** Erfahrungen über Kriegseuchen im chinesisch-japanischen Konflikt. Münch. med. Wschr., 1939, 86: 1687-9.—**Sellers, A. H.** The new immunization program in the Royal Canadian Air Force. Canad. Pub. Health J., 1941, 32: 509-12.—**Sharpe, W. S.** Diseases likely to occur on the mobilisation of a territorial army. J. R. Army M. Corps, 1908, 10: 571-82.—**Simmons, J. S.** Epidemiology in the Army. Ann. Int. M., 1939-40, 13: 2229-34.—**Immunization against infectious diseases in the United States Army.** Diplomat, 1941, 13: 177-83. Also South. M. J., 1941 34: 62-7.—**Simpson, W. J.** Dysentery and typhoid, among British prisoners at Waterval. Rep. Comm. Dysentery (Gr. Britain, Secr. War) Lond., 1903, 73-6.—**Skinner, G. A.** Influence of epidemic diseases on military operations in the history of the Western hemisphere. Mil. Surgeon, 1931, 69: 579-94.—**Soper, G. A.** Epidemiology and the work of epidemiologists in camps; conditions in the camps in the early winter of 1917 and the remedies proposed. In Med. Dep. U. S. Army in the World War, Wash., 1926, 6: 68-85.—**Stimson, P. M.** The role of the pediatrician in the control of contagious diseases in the Army. J. Pediat., St. Louis, 1941, 18: 701-3.—**Stokes, J.** Communicable diseases in Army camps. N. England J. M., 1942, 227: 237.—**Suhateanu, C. S.** Sur la prophylaxie des maladies contagieuses dans le cadre de la nation armée. Bull. Acad. méd. Roumanie, 1938, 3: 295-301.—**Szulc, G.** [General principles in prevention of infectious diseases in the army during campaign] Lek. wojsk., 1929, 13: 393-407; 449; passim.—**Waldmann.** Indecación de la vacunación preventiva. Congr. internac. med. farm. mil., 1933, 7. Congr., 2: tema 4, 319-22.—**Zinsser, H.** Field army sanitary organization for the control of communicable diseases; A. E. F. In Med. Dep. U. S. Army in the World War, Wash., 1926, 6: 551-64. ——— General problems of the control of communicable diseases; A. E. F. Ibid., 882-94.

— mixed.

See also Infectious disease, secondary.

PIGEON, J. *Contribution à l'étude de l'association de la diphtérie et de la fièvre typhoïde (typho-diphtérie) 41p. 8° Par., 1922.

RABINOVITCH, K. *Contribution à l'étude des associations de la fièvre de Malte et de la fièvre typhoïde. 59p. 24½cm. Toulouse, 1935.

Abderhalden, E. Einige Gedanken über synergetische Wirkungen bei Infektionskrankheiten. Med. Klin., Berl., 1923, 19: 409.—**Antoniazzi, E.** Ricerche sulle modificazioni della reattività cito-umorale e della batteriemia reciprocamente esercitate da due infezioni croniche contemporanee: tubercolosi ed infezione streptococcica focale. Boll. Ist. sieroter. milan., 1935, 14: 967-96.—**Auricchio, L.** Sull'infezione associata tifoidemica. Pediatria, Nap., 1922, 30: 1155-63.—**Barnardo, F. A. F.** The importance of the recognition of mixed, multiple and secondary infections in the treatment of tropical diseases. Tr. Far East. Ass. Trop. M. (1927) 1928, 1: 1-7.—**Bürgers, J.** Experimentelle Untersuchungen über Mischinfektion. Klin. Wschr., 1930, 9: 1666.—**Burke, V. Jessup, M. P., & Phillips, S.** Choice of antiseptic dye in mixed infections. J. Infect. Dis., 1928, 43: 131-6.—**Canning, G. A., & Fisher, J. M.** Increased mortality in rats with concomitant dual infections. J. Parasit., Lancaster, 1942, 28: Suppl., 18 (Abstr.)—**Castorina, G.** Un caso di infezione associata paratifo B-melitense. Pediatria, Nap., 1924, 32: 44-6.—**D'Arbela, F.** Studi sulle associazioni morbose: le infezioni miste e secondarie; generalità. Riv. clin. med., 1931, 32: 688-94.—**Dickinson, W. H.** Observations on the inter-relations of pulmonary tuberculosis, influenza and pneumonia. Tubercle, Lond., 1923-24, 5: 479-89.—**Doane, J. C., & Cates, H. B.** Double bacteremia (Streptococcus viridans and Staphylococcus aureus) diagnosed before death. Am. J. M. Sc., 1933, 185: 772-4.—**Domingo, P.** Las infecciones de tipo mixto producidas por una sola especie bacteriana. Rev. méd. Barcelona, 1934, 22: 119-29.—**Dongen, A. van** [Malaria-typhoid] Ned. tschr. geneesk., 1923, 67: pt 2, 883.—**Dorsics, I., Fenyvessy, B., & Rabati, F.** Chemotherapia hatása vegyes fertőzések esetén. Népegészségügy, 1941, 22: 1262-9.—**Emmanuele, A.** Su due casi d'infezione associata leishmaniosi interna-melitense. Pediatria, Nap., 1923, 31: 603-8.—**Grillo, J.** Experimentelle Untersuchungen über Misch- und Sekundärinfektion; über den Verlauf einer Infektion mit Trypanosomen und Rekurrensprophäten beim Meerschweinchen. Zbl. Bakt., 1. Abt., 1933, 128: 252-65.—**Hasskó, A.** Experimentelle Untersuchungen über Misch- und Sekundärinfektion; Heilversuche bei mischinfizierten Tieren; zugleich ein Beitrag zur Funktion des retikuloendothelialen Systems bei den chemotherapeutischen Heilungsvorgängen. Ibid., 1931-32, 123: 140-50.—**Hurst, E. W., & Fairbrother, R. W.** Simultaneous infection of the monkey with the viruses of poliomyelitis and vaccinia. Brit. J. Exp. Path., 1931, 12: 17-21.—**Kharchenko,**

K. A. [Mixed infection of typhus and relapsing fever] Klin. med., Moskva, 1923, 2: 11.—**Kirchner.** Zum Begriff der Mischinfektion. Beitr. Klin. Tuberk., 1926, 64: 247-9.—**Krumeich, R., & Grillo, J.** Experimentelle Untersuchungen über Misch- und Sekundärinfektion; Misch- und Sekundärinfektionen mit bakteriellen Krankheitserregern. Zbl. Bakt., 1. Abt., 1934, 131: 448-61.—**Lonero, G.** Sulle infezioni associate paratifo B-melitense. Fol. med., Nap., 1927, 13: 885-901.—**Lo Presti-Seminario, F.** Cinque casi d'infezione associata malaria-melitense. Policlinico, 1924, 31: sez. prat., 1036-8. ——— Studio sulle infezioni associate nell'infanzia. Riv. clin. pediat., 1929, 27: 483-500.—**Meyer, F.** Die Diagnostik und Behandlung der Mischinfektion. Jahrbuch. ärztl. Fortbild., 1928, 19: H. 10, 28-38.—**Oettinger, J., & Halbreich, J.** Ueber den kombinierten Verlauf von Typhus exanthematicus und Febris recurrens. Zschr. klin. Med., 1927, 105: 136-53.—**Pearce, L.** Reciprocal effects of concomitant infections; the influence of vaccinia and of vaccinal immunity on the reaction to infection with experimental syphilis (intracutaneous inoculation) J. Exp. M., 1928, 48: 363-77.—**Ramon, G., & Djourichitch, M.** L'infection mixte strepto-diphtérique. Ann. Inst. Pasteur, Par., 1934, 53: 325-40.—**Reiter, H.** Studien über Mischinfektionen. Zbl. Bakt., 1. Abt., 1932, 125: 394.—**Rivalier, E., Pham, H. C., & Decourt, P.** Les infections de sortie; essai d'interprétation pathogénique. Rev. immun., Par., 1937, 3: 219-41.—**Sarnowicz, W.** Evolution expérimentale des infections tuberculeuse et brucellique associées chez le cobaye. C. rend. Soc. biol., 1936, 123: 452-4.—**Schlossberger, H., & Grillo, J.** Experimentelle Untersuchungen über Misch- und Sekundärinfektion; weitere Versuche über den Einfluss einer Mischinfektion mit Rekurrensprophäten auf die trypanozide Wirkung des Germanins. Zbl. Bakt., 1. Abt., 1935-36, 135: 203-15.—**Shope, R. E.** Complex infections. Arch. Path., Chic., 1939, 27: 913-32.—**Shubert, V. F., & Baiden, M. N.** [Course of mixed acute infections in children] Klin. med., Moskva, 1931, 9: 377.—**Souza-Araujo, H. C. de.** Um caso de tripla infecção; lepra, lymphogranuloma venereo e molluscum contagiosum. Acta med., Rio, 1941, 7: 87-100, pl.—**Starcke, H.** Infektionskrankheiten und Tuberkulose. Zschr. Tuberk., 1936, 75: 158-61.—**Stransky, E.** Beiträge zur Kenntnis von gleichzeitiger Erkrankung an mehreren Infektionskrankheiten. Mschr. Kinderh., 1934-35, 61: 175-81.—**Suchy, S.** Einfluss von Infektionskrankheiten auf andere infektiöse Prozesse. Med. Klin., Berl., 1922, 18: 1092.—**Taddia, L.** Sopra un caso di contemporanea infezione ebertiana e spirochetica in Somalia. Arch. ital. sc. med. col., 1938, 19: 490-3.—**Tricoire, R.** Etude de l'association de l'amibiase et du paludisme. Bull. Soc. path. exot., Par., 1923, 16: 304-8.—**Varvaro, G. B.** Infezione mista tifo-malarica. Cult. med. mod., Pal., 1923, 2: 709-24.—**Westphal, A.** Zur Frage der Mischinfektion von Amöbenruhr und Typhus. Trop. Dis. Bull., Lond., 1942, 39: 843 (Abstr.)—**Willoughby, H.** Two cases of multiple infections. J. R. Nav. M. Serv., 1939, 25: 416.

— Mortality.

See also subheadings (Prevalence; Statistics)

MAI, H. Ueber den Rückgang der Sterblichkeit an Infektionskrankheiten im Kindesalter im Laufe der letzten 60 Jahre und seine Ursachen. 96p. 23cm. Berl., 1939.

Also Veröff. Volksgesunddienst, 1939, 52: 217-312.

SCHIPPER, H. *Ueber Kindersterblichkeit an den Infektionskrankheiten Keuchhusten, Masern, Scharlach und Diphtherie in der Provinz Schlesien [Bonn] 20p. 21cm. Bottrop, 1938.

Calmette, A. La mortalité par maladies microbiennes en France, avant et après Pasteur. Bull. Acad. méd., Par., 1923, 3, ser., 89: 572-8. Also Nature, Par., 1923, 51: 406-13.—**Fatality of endemic infections.** Med. Off. Lond., 1941, 66: 73.—**Geographic** (The) distribution of deaths from infectious diseases; Louisiana 1940. N. Orleans M. & S. J., 1942-43, 95: 150.—**Ianovsky, M. F.** [Mortality from infectious diseases and infant mortality in the City of Lwów between 1927-36] Radianska med., 1940, 5: No. 4, 71-80.—**Mortality** from typhoid fever, tuberculosis, and pneumonia in large cities, 1923. Pub. Health Rep., Wash., 1924, 39: 150-2.—**Mortality** from communicable diseases of childhood; Metropolitan Life Insurance Company, Industrial Department, 1911-41. Statist. Bull. Metrop. Life Insur., 1941, 22: No. 4, 10.—**Number** of cases of and deaths from infectious diseases reported in each country from which official reports are received. Rapp. épidém., Genève, 1932, 11: 93-105.—**Petrilla, A.** [Mortality of infectious diseases] Orsz. Közegészs. Int. közl., 1927-28, 1: No. 24, 1-10.—**Prinzing.** Geburtsterblichkeit und Sterblichkeit an Infektionskrankheiten. Deut. med. Wschr., 1922, 48: 1390.—**Rondani, V.** La mortalità in Torino per malattie infettive e per tubercolosi (1913-25) confronti e dati statistici. Minerva med., Tor., 1928, 8: 18-33.—**Schütz, F., & Fischer, A. D.** Die Sterblichkeit an Infektionskrankheiten bei den Säuglingen in Kiel nach Lebensmonaten. Zschr. Hyg., 1924, 102: 313-22.—**Sterbefälle** infolge von Infektionskrankheiten 1932 und 1933. Bull. Eidg. Gesundheitsamt., 1933, 363; 1934, 235.—**Stouman, K.** Mortality conditions in rural Europe. Rapp. épidém., Genève, 1931, 10: 175.—**Tizzano, A.** La mortalità per alcune malattie infettive in Italia dal 1887 al 1935. Studium, Nap., 1937, 27:

149-51.—Yager, I. I. Der Einfluss der Infektionskrankheiten auf die Säuglingssterblichkeit in der Schweiz. Ausz. Inaugur. Diss. Med. Fak. Univ. Bern (1935-37) 1938, No. 36, 1.

— Nervous system.

See also Coma; Delirious states; Headache; Neuralgia; Paralysis, etc.

BAATARD, J. *La barrière hémato-encéphalique dans quelques conditions pathologiques expérimentales [Genève] 97p. 8°. Par., 1924.

BENKOVICH, I. L. The cerebral vascular plexi in infectious diseases. 105p. 23cm. Gorky, 1936.

GAMPER, E., JAHNEL, F. [et al.] Infektionen und Intoxikationen. 1. Teil. 776p. 8°. Berl., 1935.

LEWI, S. *Essai sur le rôle du système neuro-végétatif dans les accidents de la chimiothérapie et les maladies infectieuses. 112p. 24cm. Par., 1939.

VELLY, P. P. *Contribution à l'étude du système nerveux végétatif dans les infections. 48p. 8°. Par., 1937.

Barraquer F., L., Gispert, C., I. de, & Castañer V., E. Enfermedades infecciosas con síntomas nerviosos predominantes. In *Trat. enferm. nerv.*, Barcel., 1940, 2: 1033-47.—Berglinz, G. Encefalitis nelle malattie infettive. *Pediat. med. prat.*, Tor., 1936, 11: 480-7.—Blanchard. Le neurotropismo des maladies infectieuses tropicales. *Progr. méd.*, Par., 1937, 1281-6.—Boenheim, C. Ueber nervöse Komplikationen bei spezifisch kindlichen Infektionskrankheiten. *Erg. inn. Med. Kinderh.*, 1925, 28: 598-637.—Buscaino, V. M. Reazione meningee nelle malattie infettive. *Rass. clin. sc.*, 1933, 11: 128-43.—Cacciapuoti, G. B. Le sindromi neurovegetative nelle malattie infettive ed il loro meccanismo neuro-endocrino infundibolare. *Osp. psichiat.*, Nap., 1934, 2: 635-62.—Cheatle, G. L. A note on the influence of the nervous system upon infective processes. *Brit. M. J.*, 1908, 2: 1490.—Comby, M. T. Syndromes encéphaliques au cours des maladies infectieuses de l'enfance. *J. méd. chir.*, Par., 1936, 107: 4-25.—Dagnelie, J., & Dubois, R. Complications neurologiques des exanthèmes (rougeole, varicelle et scarlatine) protocoles cliniques et anatomo-pathologiques. *J. neur. psychiat.*, Brux., 1932, 32: 630-44.—Doerr, R. Die Impermeabilität der Blut-Hirnschranken in den Infektionspathologie. *Schweiz. med. Wschr.*, 1940, 70: 504-6.—Fenton, H. F. Enhancement of physical and mental capacity following treatment of chronic infective disease. *J. Ment. Sc.*, Lond., 1938, 84: 544-51.—Friedemann, U., & Elkeles, A. The blood-brain barrier in infectious diseases, its permeability to toxins in relation to their electrical charges. *Lancet*, Lond., 1934, 1: 719; 775.—G., A. C. Encefalitis como secuela de las enfermedades infecciosas. *Rev. méd. Yucatán*, 1933-35, 18: 55.—Geimano-vich, A. I. [Certain general laws in the neurology of infections] *Vrach. delo*, 1938, 20: 181; 241.—Goodall, E. W. The blood-brain barrier in infectious diseases. *Lancet*, Lond., 1934, 1: 866.—Haberland, H. F. O. Infektion und Nervensystem. *Arch. klin. Chir.*, 1926, 142: 419-22 [Discussion] 83. Also *Münch. med. Wschr.*, 1926, 73: 1389-93.—Hammond, T. E. The bearing of the central nervous system upon bacterial disease. *Clin. J.*, Lond., 1935, 64: 107-11.—Hanau, G. Malattie infettive e reazioni nervose. *Gazz. osp.*, 1932, 53: 65-7.—Hassin, G. B. Brain changes in typhus fever contrasted with those in epidemic encephalitis and acute poliomyelitis. *Arch. Neur. Psychiat.*, Chic., 1924, 11: 121-36.—Israelson, M. M. [Vegetative nervous system and infection] *J. méd.*, Kiev, 1939-40, 10: 467-77.—Landolfi, V. Il neurotropismo delle malattie infettive. *Athena*, Roma, 1937, 6: 462.—Lastres, J. B. Manifestaciones nerviosas en las epidemias de la colonia. *Reforma méd.*, Lima, 1940, 26: 536-42.—Marquézy, R. A., & Ladet, M. Le syndrome malin au cours des toxi-infections; le rôle du système neuro-végétatif. *Rapp. Congr. pédiat. langue fr.*, 1938, 10. Congr., 123-229. Also *Méd. inf.*, Par., 1938, 45: 486-94.—Meirelles, E. Da hipertensão intracranéana nas infecções infantis. *Tribuna méd.*, Rio, 1925, 31: 86-9.—Meynier, E. Il mutismo nelle malattie infettive. *Pediat. med. prat.*, Tor., 1931, 6: 273-7.—Mogilinitzky, B. Zur Pathologie und pathologischen Anatomie sympathischer Ganglien bei Infektionskrankheiten (Pathologie und pathologische Histologie sympathischer Ganglien bei Pneumonien). *J. psichol. nerv.*, Moskva, 1922, 1: 77-102, 6 pl. — Die Veränderungen der sympathischen Ganglien bei Infektionskrankheiten. *Virchows Arch.*, 1923, 241: 298-318. — & Rjasanowa, W. S. Ueber die glöse Reaktion bei akuten Infektions- und Intoxikationskrankheiten und bei der Bestrahlung mit X-Strahlen. *Frankf. Zschr. Path.*, 1932, 43: 114-25.—Opalski, A. La formation des cellules d'Alzheimer. *Arch. internat. neur.*, Par., 1936, 55: 298.—Rachid, K. Essai de traitement biologique des atteintes de l'encéphale au cours des maladies infectieuses. *Arch. méd. enf.*, 1934, 37: 535-8.—Reimold, W. Ueber encephalitische Syndrome im Verlaufe von Infektionskrankheiten. *Mschr. Kinderh.*, 1927, 37: 336-50.—Reinhard, H. Ueber die postinfektösen Encephalitiden (mit Ausnahme

der Encephalitis nach Vaccination) *Reichsgesundtbl.*, 1934, 9: 481-3.—Rimba, L. Le neurotropismo des maladies infectieuses. *Presse méd.*, 1936, 44: 521-5. — Terracoli [et al.] Syndrome bulbaire par infection neurotrope. *Rev. otoneur.*, Par., 1937, 15: 275-9.—Scheer, W. M. van der [Neurotropic infection in a man and woman] *Ned. tschr. geneesk.*, 1936, 80: 2578-85.—Shamboorov, D. A., & Chibuk-makher, N. B. On the problem of the peripheral nerve barrier; immunity of the nerve to toxins. *Acta med. scand.*, 1939, 102: 372-89.—Speranski, A. D. The role of the nervous system in the pathogenesis of certain infectious diseases. In *his Basis for the Theory of Med.*, N. Y., 1936, 131-60.—Spielmeyer, W. Infektion und Nervensystem. *Zschr. ges. Neur. Psychiat.*, 1929-30, 123: 161-203.—Taccone, G. Encefaliti secondarie, parainfettive nella infanzia. *Med. inf.*, Roma, 1930, 1: 97-100.—Van Bogaert, L. Barrière hémato-encéphalique et incidents des infections. In *Probl. biol. med.* (Leontovich, A. V.) Moskva, 1935, 92-6.—Vítek, J. [Variable reactivity of the organism with reference to neurotropic infections] *Cas. lékař. česk.*, 1929, 68: 227-30.—Zischinsky, H. Einiges über die zerebralen Komplikationen der akuten Infektionskrankheiten des Kindesalters. *Wien. med. Wschr.*, 1939, 89: 354-7.

— new and unidentified.

See also Epidemic, new and obscure.

Bowdoin, C. D. A new disease entity (?) *J. M. Ass. Georgia*, 1942, 31: 437.—Fuchs, D. [New infectious diseases] *Orvosképzés*, 1934, 24: 588-98.—Gundel, M. Neuauftretende Infektionskrankheiten und die Wege ihrer Bekämpfung. *Wien. klin. Wschr.*, 1940, 53: 597-9.—Hecht, P., & Eggert, K. Ueber das Auftreten einer anscheinend neuartigen akuten Infektionskrankheit. *Med. Korbl.* Württemberg, 1926, 96: 353.—Magrini, V. Cuadro infeccioso grave a etiología desconocida. *Rev. As. méd. argent.*, 1939, 53: 1203-5.—Trémolières, F., Moussour, J., & Duret, M. Deux cas d'infection de nature inconnue avec éosinophilie considérable et paralyses périphériques. *Praxis*, Bern, 1942, 31: 414 (Abstr.)

— Notification.

See also Communicable disease, contagious; Notification; Communicable disease, Notification; Disease, notifiable.

Decreto que obliga a los laboratorios bacteriológicos a reportar los casos de enfermedades infecto-contagiosas que diagnostiquen. In *Leyes (Costa Rica)* S. José, 1935, 182.—[Italy] Decree of the 23d April 1940, on the notification of infectious diseases. *Bull. Hyg.*, Lond., 1942, 17: 153 (Abstr.)—Maryland. State board adopts new list of reportable diseases. *Baltimore Health News*, 1937, 14: 133.

— Obstetric aspect.

See also Abortion, septic; Puerperal sepsis, etc.

Baronas, V. [Significance of bacterial virulence in obstetrics and gynecology] *Medicina*, Kaunas, 1939, 20: 544-8.—Emmrich, J. P. Ueber das Eindringen von Keimen in den Uterus unter der Geburt bei stehender Fruchtblase und das Eindringen von Keimen in die Blutbahn bei normaler Entbindung und geburtsärztlichen Eingriffen. *Arch. Gyn.*, Berl., 1941, 171: 291-313 (microfilm)—Mayes, H. W. The prevention of obstetric infection by the use of vaginal antiseptics. *West. J. Surg.*, 1942, 50: 568-74.—Oliveira Motta, A. R. de. Gravidéz, leishmaniasis e impudismo. *Rev. gin. obst.*, Rio, 1925, 19: 14-7.—Place, E. H. Contagious disease in relation to obstetrics. *N. England J. M.*, 1942, 227: 322.—Vignes, H. Les maladies infectieuses en période obstétricale. *Paris méd.*, 1931, 79: 532-7.

— Pathogenesis.

GINS, H. A. Beiträge zur Pathogenese und Epidemiologie der Infektionskrankheiten. 127p. 8°. Lpz., 1935.

SCHLOSSMANN, C. Etudes sur le rôle de la barrière hémato-encéphalique dans la genèse et le traitement des maladies infectieuses. 18p. 8°. Tartu, 1928.

Angevine, D. M., & Rothbard, S. The significance of the synovial villus and the ciliary process as factors in the localization of bacteria in the joints and eyes of rabbits. *J. Exp. M.*, 1940, 71: 129-36, 2 pl.—Apitz, K. Der Verlauf der Allgemeininfektion nach allgemeiner Endotheliumstimmung beim Kaninchen. *Zschr. ges. exp. Med.*, 1934, 94: 222-42.—Bachmann, A. El rol de los antígenos parciales en la patogénesis y virulencia de las enfermedades infecciosas. *Día méd.*, B. Air., 1932-33, 5: 65.—Balogh, E. Ueber die Weiterverbreitung fusobazillär-infektiöser beziehungsweise karzinomatöser Prozesse auf den Lymph- und Blutwegen des v. und x. Gehirnnerven und deren Bedeutung. *Beitr. path. Anat.*, 1933, 92: 25-40.—Behring, O. v. Contributions to the knowledge of Duran-Reynals' spreading factor. *Bull. Hyg.*, Lond., 1942, 17: 140 (Abstr.)—Bergel, S. Der Abbau der Tuberkelbazillen und Syphilisspirochäten und die Abhängigkeit der Krankheitserscheinungen vom veränderten Antigen. *Med. Welt*, 1932, 6: 768-70.—Besredka, A. Du rôle des mordants dans l'infection et dans

- l'immunité. Bull. Inst. Pasteur, Par., 1927, 26: 481.—**Biological** (The conception of infection. Med. Off., Lond., 1932, 47: 111).—**Borghi, B.** Autolisi batterica e malattie infettive. Rass. clin. sc., 1935, 13: 163-7.—**Bud, G. von.** Der Pathomechanismus von Spätsymptomen nach überstandenen akuten und chronischen Infektionskrankheiten mit besonderer Rücksicht auf die Hauterkrankungen. Derm. Wschr., 1933, 106: 11-5.—**Büchner, F.** Las reacciones morfológicas del organismo a la penetración de agentes infecciosos. Rev. méd. germ. Iber. amer., 1936, 9: 278-84.—**Centanni, E.** Ricerche sui fattori della sindrome infettiva. Minerva med., Tor., 1930, 21: pt 2, 629-31.—**Claude, A., & Duran-Reynals, F.** On the existence of a factor increasing tissue permeability in organs other than testicle. J. Exp. Med., 1934, 60: 457-62.—**Dieckhoff, J.** Zur Pathogenese toxischer Krankheitszustände. Klin. Wschr., 1940, 19: 1269 (microfilm).—**Dufourt, A., & Viallier, L.** Le pouvoir tuberculeux de certaines maladies infectieuses. Médecine, Par., 1937, 18: 382-93.—**Duran-Reynals, F.** Studies on a certain spreading factor existing in bacteria and its significance for bacterial invasiveness. J. Exp. Med., 1933, 58: 161-81, 3 pl.—**Lester, Par.** 1936, 57: 597-621.—**Goodpasture, E. W.** The cell-parasite relationship in bacterial and virus infection. Tr. Coll. Physicians Philadelphia, 1941, 9: 11-24.—**Gräff, S.** Der Primärkomplex bei Infektionskrankheiten; seine anatomische und klinische Auswirkung. Acta med. scand., 1938, 96: 571-85.—**Grossmann, H.** Ueber die Beziehungen des Bakterientypus zu Konstitution (Reaktionslage) und Pathogenese. Med. Klin., Berl., 1935, 31: 1696-8.—**Hamburger, F.** Infektion und Krankheit, Allergie und Immunität. Aertzt. Prax., Wien, 1933, 7: 185-90. Also Mitt. Volksgesundhamt., Wien, 1933 [Aertzt. Prax.] 157-61. Also Wien. klin. Wschr., 1933, 46: 193-8.—**Hasimoto, H.** Ueber die Wirkung von Blutkörperchen und Bakterien auf das Gefäßpräparat entsprechend vorhanden bei Tieren. Zschr. Immunforsch., 1928, 56: 265-70.—**Hayasi, J.** Die im Reagensglas nachweisbaren physikalisch-chemischen Beziehungen zwischen Krankheits-erregern und Organzellen. Zschr. Hyg., 1924, 102: 201-5.—**Hegler, C.** Korrelation und Antagonismus zwischen Haut und inneren Organen bei Infektionskrankheiten. Delber. Congr. Derm. internat. (1935) 1935-37, 9. Congr., 2: 17-23.—**Höring, F. O.** Das Gleichgewicht von Wirt und Keimen und seine Störungen im Krankheitsablauf. Erg. inn. Med. Kinderh., 1935, 48: 364-443.—**Höring, F. O.** Die bakterielle Infektion im Lichte biologischer Betrachtung. Münch. med. Wschr., 1935, 82: 213-7.—**Digenopoulos, C., & Schmid, F.** Organotrope Aggressine. Klin. Wschr., 1939, 18: 192-6.—**Jona, A.** Il significato della flora microbica normale nel decorso di malattie subacute. Gior. batt. immun., 1931, 6: 299-308.—**Kéri, D.** Der Pathomechanismus von Spätsymptomen nach überstandenen akuten und chronischen Infektionskrankheiten mit besonderer Rücksicht auf die Hauterkrankungen. Derm. Wschr., 1933, 106: 15-9.—**Krauspe, C.** Ueber experimentelle Beeinflussung von Infektionskrankheiten und Immunitätsvorgängen. Verh. deut. path. Ges., 1927, 22: 136-43 [Discussion] 150-3.—**Kup, J.** Ueber den Zusammenhang von Nebennierentinde, Bluterbereitschaft und Infektionskrankheiten. Frankf. Zschr. Path., 1939, 53: 488-507.—**Land, E.** Die Interferenz der Wellenlängen zwischen den Bakterien- und Blutzellen als Ursache der Entstehung von Infektionskrankheiten und Versuche zu ihrer Bekämpfung. Zbl. Bakt., 1. Abt., 1938-39, 143: 31-44.—**Laporte, R.** Modifications de la réaction locale d'infection par injection simultanée de filtrats toxiques ou de germes virulents. C. rend. Soc. biol., 1936, 121: 1057-9.—**Latteri, S.** La disassociazione batterica in alcune infezioni chirurgiche. Arch. Soc. ital. chir., 1935, 41: 579-602.—**Leadingham, R. S.** Bacterial variations in human infections. J. M. Ass. Georgia, 1938, 27: 50.—**McClean, D.** Action of diffusion factors on tissue permeability. Lancet, Lond., 1941, 1: 797.—**Madsen, T. J. M.** Mechanism of bacterial infection. In his Lect. Epidem., Balt., 1937, 33-83, tab.—**Naryshkina, Z. P.** [Changes in microbes in relation to clinical diagnosis of certain infections] Okhr. zdorov. diet., 1931, 1: 199-205.—**Nedzel, A. J.** Vascular spasm and bacterial localization. J. Am. Dent. Ass., 1940, 27: 1285-8.—**Nicolajew, N. M.** Pathogénie et histogénie des infections aiguës du nourisson. Gyn. obst., Par., 1926, 13: 409-21.—**Pons, R.** Considérations sur la physio-pathogénie des lésions dans les maladies infectieuses et en particulier dans l'infection bacillaire. Presse méd., 1936, 44: 1451-4.—**Raynaud, A., & Scarpellini, L.** Déterminisme des phénomènes hémorragiques au cours de certaines infections aiguës; rôle de l'endothélium capillaire de la moelle osseuse et de la rate. C. rend. Soc. biol., 1933, 112: 1684.—**Rosenthal, G.** Complexité de la notion des contagions d'ou débordement nécessaire. Bull. Soc. méd. Paris, 1933, 426.—**Salvioli, G.** Sui fattori di richiamo locale delle manifestazioni specifiche di agenti infettivi. Minerva med., Tor., 1937, 28: pt 1, 183-90.—**Sedlacek, K.** L'influenza della materia infettiva su l'organismo. Studium, Nap., 1939, 29: 3-9.—**Seiffert.** Experimentelle Untersuchungen über das Wesen der Infektion per os. Klin. Wschr., 1928, 7: 284.—**Sprunt, D. H., & Camalier, W., jr.** Reduction of pulmonary resistance to infection by circulating toxins. Arch. Path., Chic., 1942, 34: 801-6.—**Vaughan, V. C.** Die Phänomene der Infektion. Erg. Hyg. Bakt., 1914, 1: 372-94.—**Viès, F., Ugo, A.** [et al.] Sur les relations entre les décalages des points isoelectriques musculaires et la virulence d'une infection bactérienne de la souris. Bull. Acad. méd., Par., 1937, 3. ser., 117: 723-7.—**Walbum, L. E.** [Decreased nonspecific toxicity of microorganisms in their pathogenic attack] Hospitalstidende, 1934, 77: 793-808.—**Wilensky, A. O.** The mechanism of bacterial infection. Arch. Surg., 1926, 13: 228-61.—**Wohlfel, T.** Bakterielle Fermente und ihre Beziehungen zur Krankheitsentstehung und zum Krankheitsverlauf. Klin. Wschr., 1937, 16: 1369-73.—**Zhukov-Verezhnikov, N.** [Criticism of certain problems of contemporary immunology: material for study of etiology and pathogenesis of infectious diseases] J. mikrob., Moskva, 1939, No. 4, 40-8.
- **Pathology.**
- See also **Communicable diseases, Pathology.**
- DOERR, R.** Die Lehre von den Infektionskrankheiten in allgemeiner Darstellung. p.68-169. 25cm. Berl., 1939.
- Also Lehrb. inn. Med., 3. Aufl., Berl., 1936, 1:
- DOPTER, C.** Précis de pathologie interne, maladies infectieuses. 2. éd. 670p. 8°. Par., 1924.
- SCHULZE, W.** *Vergleichende Untersuchungen über Diphtherie und Scharlach auf Grund von 210 Sektionsprotokollen der Path. Anstalt der Stadt Magdeburg (Auszug) 15p. 8° [Lpz., 1922]
- STAEHELIN, R.** Spezielle Pathologie und Therapie der Infektionskrankheiten. p.183-326. 25cm. Berl., 1939.
- VIDELA, C. A.** Lecciones de patología infecciosa. 2. ser. 119p. 21cm. B. Air., 1940.
- Barach, J. H.** Relationship between the acute infectious and chronic diseases. Ann. Clin. Med., 1926-27, 5: 784-99.—**Bell, E. T.** Acute infectious diseases. In his Textb. Path., 4. ed., Phila., 1941, 570-603.—**Büchner, F.** Die morphologischen Reaktionen des Organismus auf das Eindringen von Infektionserregern. Med. Klin., Berl., 1935, 31: 1625-8.—**Eden, R., & Drevermann, P.** Die allgemeine Lehre von den spezifischen Infektionen. In Chirurgie (Kirschner & Nordmann) Berl., 1926, 1: 877-936.—**Fonso Gandolfo, C.** Conferencia inaugural; cátedra de patología y clínica de las enfermedades infecciosas, Fac. de cienc. méd. de Buenos Aires. Sem. méd., B. Air., 1939, 46: pt 2, 1-9.—**Geiger, R.** Seltene, hochinfektiöse Hauterkrankungen (ausschliesslich akuter Exantheme) Rotz, Milzbrand, Diphtherie und Erysipel. Wien. klin. Wschr., 1928, 41: 915-9. Also Wien. med. Wschr., 1928, 78: 674.—**Gibson, A. G.** On the cause of death as determined by microscopical examination in 3 animals killed in the course of saturation tests. J. Hyg., Camb., 1918-19, 17: 405-8.—**Hammond, T. E.** The nature of bacterial disease. In his Vitality & Energy, Lond., 1936, 182-93.—**Meldolesi, G., & De Orchi, A.** Le alterazioni della muscolatura striata nelle malattie infettive acute. Boll. Accad. med. Roma, 1937, 63: 181-5.—**Milman, M. S.** [Changes of the spleen and lymphatic glands in infectious diseases] Vrach. delo, 1939, 21: 25-32.—**Murillo y Palacios, F.** Aspectos modernos de la patología infecciosa. Siglo méd., 1934, 94: 626; 658.—**[Pathomorphology of infectious diseases]** In Ochet nauch. deiat. (Vsesoiuz. inst. eksp. med.) Moskva, 1940, 100-2.—**Santee, F. L.** Peculiar granules in the cells of the liver and adrenal in infections. Bull. Johns Hopkins Hosp., 1936, 59: 427-34.—**Schade.** Das Gesetz der Umwandlung der Infektionskrankheiten zu Kinderkrankheiten. Berl. klin. Wschr., 1921, 58: 1052.—**Werne, J.** Postmortem evidence of acute infection in unexpected death in infancy. Am. J. Path., 1942, 18: 759-61 (Abstr.).—**Zingale, G.** Considerazioni su alcune forme morbose. Med. nuova, 1924, 15: 99-103.—**Zischinsky, H.** Ueber Vorkommen und Klinik von Thrombosen, insbesondere von Sinusthrombosen, von Blutungen des Gehirns und seiner Häute und Embolien am akut-infektionskranken Kinde. Jahrb. Kinderh., 1929, 3. F., 74: 35-71.
- **Pathology, humoral.**
- HEILHECKER, A.** *Gärungshemmende Stoffe im Blute bei akuten Infektionskrankheiten im Kindesalter. 22p. 8°. Frankf. a. M., 1935.
- Crossley, M. L.** Certain aspects of the chemistry of infectious diseases. Science, 1941, 93: 409-12.—**Gerke, A. A.** [Condition of ferments in infections] Mosk. med. J., 1926, 6: No. 12, 6-15.—**Germer, K.** [Researches on occurrence of diastase in blood and urine in patients with acute infectious diseases] Bibl. læger, 1931, 123: 405; 437.—**Grunke, W.** Akuter Infekt und Fermente; Harndiastase bei akuten Infektionskrankheiten. Zschr. klin. Med., 1930, 113: 782-92.—**Heilmeyer, L., & Stüwe, G.** Der Eisen-Kupferantagonismus im Blutplasma beim Infektionsgeschehen. Klin. Wschr., 1938, 17: 925-7.—**Klopstock, F.** Ueber die Ausscheidung von antigenen Substanzen mit dem Harn bei Infektionskrankheiten, insbesondere bei Tuberkulose und Syphilis. Ibid., 1933, 12: 249-52.—**MacLeod, C. M., & Avery, O. T.** The occurrence during acute infections of a protein not normally present in the blood; isolation and properties of the reactive protein. J. Exp. Med., 1941, 73: 183-90.—**Mariconda, P.** L'azione modificatrice delle infezioni sul terreno umorale dei tumori maligni e di altre malattie (dottrina biochimica) Riv. osp., 1931, 21: 109-13.—**Mendel, L.** Kolloidstabilität des Serums und Infekt. Jahrb.

Kinderh., 1924, 3. F., 56: 15-20.—**Mircoli, D.** Le alterazioni dell'equilibrio biochimico umorale, durante gli stati febbrili infettivi, studiate a mezzo della reazione di ostacolo di Donaggio. Diagn. tecn. lab., Nap., 1935, 6: 549-63.—**Nissen, N. I.** Untersuchungen über den Einfluss der Lumbarpunktion auf den Zellgehalt der Spinalflüssigkeit sowie Bemerkungen über die Grösse der Zellzahl bei akuten Infektionskrankheiten. Acta psychiat. neur., Kbh., 1936, 11: 135-43. Also Ugeskr. læger, 1936, 98: 238-40.—**Péterfy, M.** Untersuchungen des Liquors bei Infektionskrankheiten. Jahrb. Kinderh., 1936, 3. F., 97: 218.—**Ratner, S. I., & Mysslin, S. N.** [Fluctuations of the alkaline reserve of the cerebrospinal fluid and blood plasma in certain infectious diseases] Sovet. klin., 1932, 17: 159-67.—**Remy, E.** Beitrag zur Kenntnis der Veränderlichkeit physikalischer und chemischer Konstanten von Sera infizierter Tiere. Zschr. Immunforsch., 1933-34, 81: 57-64.—**Salkind, B.** Sulla gelatinizzazione del siero di sangue nella luce, nella tubercolosi ed in altre forme morbose. Haematologica, Nap., 1923, 5: 300-17.—**Tesdal, M.** Zur Frage der biochemischen Veränderungen im Organismus bei akuten Infektionskrankheiten. Zschr. klin. Med., 1933-34, 126: 442-54.—**Velasco Montes, F.** Ueber die Hämatologie des Liquor cerebrospinalis mit besonderer Berücksichtigung der allgemeinen Infektions- und Blutkrankheiten. Derm. Wschr., 1939, 108: 656-60.

Pharmacology.

Eckstein, M. *Tierexperimentelle Untersuchungen über die Wirkung von Vitaminen (Vitamin C und Vitamin P) und reduzierenden Substanzen (Glutathion, Detoxin, und Cystein) auf den Infektablauf. 15p. 21cm. Berl., 1938.

Hess, E. *Beeinflussung von Infektions- und Immunitätsvorgängen durch neurovegetative Gifte. 54p. 22 $\frac{1}{2}$ cm. Zür., 1939.

Carlo, M. Studio dei capillari nella scarlattina e nella difterite prima e dopo trattamento con acido ascorbico. Clin. pediat., Mod., 1938, 20: 395-429, pl.—**Deschwanden, J. von.** Experimentelle Untersuchungen über die Wirkung des Redoxkörpers Glutathion und der B-Vitamine bei Infektionen. Schweiz. med. Wschr., 1939, 69: 642-6.—**Faulkner, J. M.** The effect of administration of vitamin C on the reticulocytes in certain infectious diseases. N. England J. M., 1935, 213: 19.—**Fisher, L. C., & Reimann, H. A.** Effect of insulin on blood sugar of rabbits during infection. Proc. Soc. Exp. Biol., N. Y., 1933, 30: 746.—**Frei, W., & Hess, E.** Der Einfluss von neurovegetativen Giften auf die Infektions- und Immunitätsprozesse. Schweiz. med. Wschr., 1938, 68: 1398.—**Gordonoff, T., & Müdel, O.** Wird das Auftreten einer Immunität durch Sulfamidtherapie beeinflusst? Ibid., 1941, 71: 769.—**Li, M.** Studien über den Wirkungsmechanismus des Sulfapyridins einerseits, des Pyrimidons andererseits bei Infektionskrankheiten. Klin. Wschr., 1941, 20: 216-20.—**Priselkov, M. M.** [Effect of combined yeast and hormones of the pituitary gland on the process of growth and resistance to infections] Sovet. pediat., 1935, No. 6, 11-5.—**Rephof, H.** Tierexperimentelle Untersuchungen über die Beeinflussung der Immunitätslage durch Paragen. Klin. Wschr., 1939, 18: 376-8.—**Robert, P., & Rosenthal, A.** Ueber den Einfluss von Säuren, Alkalien und Kochsalzlösungen auf den Verlauf der experimentellen Streptokokkeninfektion und Milzbrandinfektion beim Kaninchen und beim Meerschweinchen. Zbl. Bakt., 1. Abt., 1935-36, 135: 220-7.—**Sprunt, D. H.** The effect of the female sex hormones on infection and inflammations. South. M. J., 1941, 34: 288.—**Wagner, R.** Ueber die Wirkung von Solganal und Neosalvarsan bei unnatürlicher Infektion. Arch. Derm. Syph., Berl., 1932-33, 167: 595-601.—**Wohlfeil, T., & Wollenberg, H.** Ueber Fermenthemmung und -Förderung bakterieller Fermente im infizierten Tierkörper; Wirkung von Cu⁺⁺, Hg⁺⁺, Monojodessigsäure, Fe⁺⁺, Ferroarskorbinäure, Phosphaten und Natriumzitrat auf den Ablauf der Milzbrandinfektion des Meerschweinchens und der Proteusintoxikation und -Infektion des Kaninchens. Zbl. Bakt., 1. Abt., 1938, 141: 159-70.

Physiopathology.

Golledge, H. C. D. *Investigation on the reductant power of tissue of infected animals. 42p. 8° Zür., 1931.

Becker, J. Ueber den Ablauf unspezifischer Entzündungen bei Infektionskrankheiten im Kindesalter. Mschr. Kinderh., 1930, 47: 495-501.—**Feldt, A., & Heise, E.** Histochemischer Nachweis des Funktionszustandes vom Mesenchym bei Infektion und Chemotherapie. Zschr. ges. exp. Med., 1929, 67: 166-74.—**Frei, W., & Froebel, O.** Ueber den Einfluss der Infektion auf die Gewebsatmung. Biochem. Zschr., 1935, 278: 1-10.—**Hirsch, E. F.** Changes in the alkali reserve, sugar concentration, and leukocytes of the blood in experimental infections. Proc. Inst. M. Chicago, 1919-21, 3: 192-4.—**Changes in leukocytes and alkali reserve of blood in experimental infections.** J. Infect. Dis., 1921, 28: 275-8.—**Kettle, E. H.** Some aspects of inflammation and infection. Lancet, Lond., 1927, 1: 1169; 1225.—**Leube, V. von.** Ueber die Beharrungstendenz der Zelltätigkeit und deren Bedeutung in den Infektions- und Konstitutionskrankheiten. N. York med. Mschr., 1908, 20: 212-5. — Ueber die Tenazität der Zelltätigkeit

und ihre Beziehungen zu den Infektionskrankheiten. Verh. Deut. Kongr. inn. Med., 1910, 27: 218-25.—**Plaszek, L.** Facteurs compensant la diminution du pouvoir d'absorption de l'hémoglobine pour l'oxygène dans l'infection expérimentale chez les animaux. C. rend. Soc. biol., 1932, 109: 1299-302.—**Schmidt, H.** Das funktionelle Geschehen bei der Infektion. Med. Welt, 1941, 15: 105; 129.

Prevalence.

See also subheading Statistics; also Epidemic, Geography.

Kummer, A. *Ueber Diphtherie- und Scharlacherkrankungen in einer Grosstadt (Leipzig) [Leipzig] 26p. 23 $\frac{1}{2}$ cm. [Zeulenroda, 1936]

Lhuérre, R. *Le paludisme et la peste à Madagascar, influence des climats, des races, des mœurs [Lyon] 134p. 25 $\frac{1}{2}$ cm. Bourg, 1937.

Soblik, H. *Die Gefährdung des Kindesalters durch Diphtherie, Scharlach, Keuchhusten und Masern in Breslau während der letzten 55 Jahre [Breslau] 32p. 8° Würzb., 1938.

Sundermann, M. *Die Verbreitung von Scharlach und Diphtherie im Regierungsbezirk Münster. 27p. 22cm. Münster, 1934.

UNITED STATES. PUBLIC HEALTH SERVICE. The notifiable diseases, prevalence in States, 1939. 14p. 23cm. Wash., 1941.

Araneo, L. Sulla epidemia di Pescopagano nella Lucania. Filatre sebezio, Nap., 1842, 23: 321-32.—**Blumer, G.** The occurrence of undulant fever and typhus fever in Connecticut. N. England J. M., 1929, 200: 215-7.—**Candido, G.** Le febbre infettive predominanti nel Luccese. Riforma med., 1923, 39: 157.—**Carones, C., & Manzoni, A. R.** Morbilità y mortalidad por infecto-contagiosas en la ciudad de Rosario, 1930 a 1937. Rev. Centro estud. Fac. cienc. méd., Rosario, 1928, 18: No. 57, 53-73.—**Cerebrospinal fever and acute poliomyelitis** [week ended Aug. 24] Brit. M. J., 1940, 2: 371.—**Communicable disease incidence.** Annual Rep. Michigan Dep. Health, 1939-40, 68: 73-5.—**Current prevalence of communicable diseases in the United States, December 31, 1933-January 27, 1934.** Pub. Health Rep., Wash., 1934, 49: 221-3.—**Current world prevalence of disease.** Ibid., 1924, 39: 2146-9; 1925, 40: 761.—**De Renzi, S.** Sulla costituzione epidemica regnata in Napoli al cadere del 1831. Filatre sebezio, Nap., 1831, 3: 114-23.—**Diphtheria and scarlet fever.** In Med. Res. in Colonies (Gr. Brit. Colon. M. Res. Com.) 1929, 100-3.—**Doull, J. A., Ferreira, M. J., & Parreiras, D.** Common infectious diseases in Brazil; their prevalence in comparison with certain North American areas. J. Prev. M., 1926-27, 1: 503-12.—**Elsbach, E. M.** [Malaria and filaria investigation in New Guinea] Genesck. tschr. Ned. Indië, 1937, 77: 1036-54, 2 pl.—**Epidemics in Halifax.** J. Am. M. Ass., 1941, 116: 1979.—**Fadda, S.** Rassegna sintetica di talune forme endemo-epidemiche più frequenti nelle terre dell'Impero. Gior. med. mil., 1939, 87: 135-55.—**Foley, A. R.** Epidemiological investigations in Quebec. Canad. Pub. Health J., 1940, 31: 124-6.—**Gilmour, C. C. B.** Some notes on infectious diseases in Singapore. Malay. M. J., 1935, 10: 9-13.—**Grandes (Les) épidémies mondiales à la Société des Nations.** Clinique, Par., 1939, 34: Suppl., 48.—**Guilherme Lacorte, J.** Segunda nota sobre a ocorrência de determinadas molestias infectuosas em algumas localidades do Brasil. Brasil med., 1937, 51: 561-3.—**Gutschmidt, H.** Der Seuchenstand in Polen und in den Baltischen Staaten. Deut. Militärarzt, 1939, 4: 454-61.—**Hanson, H.** Observations on communicable diseases in South America. Proc. Pacific Se. Congr. (1939) 1942, 6. Congr., 5: 457.—**Infectious diseases in Glasgow.** Med. Off., Lond., 1941, 65: 157.—**Influenza, pneumonia, measles chief threats in England.** Science News Lett., 1940, 38: 327.—**Ionescu-Mihaesti, C., & Ciuca, M.** [Infectious diseases in Roumania] In Probl. san. pop. rurale România, Bucur., 1940, 517-32.—**Jirka, F. J.** New aspects of the public health situation. Illinois M. J., 1934, 66: 139-46.—**Keefer, C. S.** Uncommon infectious disease in New England. N. England J. M., 1941, 224: 242-7.—**Kling, K.** Scharlach und Diphtherie in Niederösterreich. Wien. klin. Wschr., 1938, 51: 780-3.—**Lacorte, J. G.** Nota sobre a ocorrência de determinadas molestias infectuosas em algumas localidades do Brasil. Brasil med., 1934, 48: 795.—**Ledentu, G., & Feltier, M.** Les maladies transmissibles dans les colonies françaises d'Amérique. Bol. Of. san. panamer., 1940, 19: 674-81.—**M., A. L.** The health situation in Halifax. Canad. M. Ass. J., 1941, 45: 161.—**McDonagh, J. E. R.** The winter 1940. Med. Off., Lond., 1940, 63: 215-7.—**Magalhães, A. de.** Pellagra e lepra em Portugal. Porto med., 1906, 3: 1-4.—**Menk, W.** Infektionskrankheiten in Zuckerplantagengebieten der Provinz Oriente de Cuba. Zbl. Bakt., 1. Abt., 1929, 114: 345-54.—**Moragas y Gracia, R.** Die Verteilung und die Häufigkeit einiger Bakterienkrankheiten in Spanien. Med. Klin., Berl., 1926, 22: 1257-9.—**Padua, R. G.** Epidemics of gastro-intestinal and respiratory diseases among young children of the city of Manila in 1936. Rev. filip. med., 1936, 27: 407-28.—**Perry, J. C.** Rocky Mountain spotted fever, tularemia, and rodent

plague; brief discussion of these specific diseases in their bearing on public health in Western states. California West. M., 1928, 29: 217-21.—Picken, R. M. F. Public health in the United States of America; infectious disease. Brit. M. J., 1936, 2: 678.—Pohlen, K. Die örtliche Gliederung der häufigeren ansteigepflichtigen Krankheiten im Deutschen Reich in den Jahren 1931 bis 1934. Reichsgesundhbl., 1936, 11: 305-15.

Die Bewegung der häufigeren Infektionskrankheiten im Deutschen Reich. Ibid., Stat. Sonderb., 197-219.—Poles, N. Brevi notizie sulle malattie solite a grassare in Venosa nell'autunno di ciascun anno, e soprattutto delle periodiche. Filarete sebezio, Nap., 1937, 13: 281-6.—Pollitzer, R. The history of certain infectious diseases in China. Rep. Manchur. Plague Prev. Serv., 1929-30, 7: 127-36.—Reiter, R. Die häufigsten Infektionskrankheiten Palästinas. Fol. med. int., orient., 1936, 2: 57-66.—Rilevi sulle malattie infettive verificatesi a Bologna durante il 1939. Riv. Soc. ital. igiene, 1940, 62: 100-6.—Scholes, F. V. The behaviour of infectious diseases in Greater Melbourne during the past 25 years. Med. J. Australia, 1935, 1: 607-23.—Sellek Azzi, A., & Del Frade, A. Reacciones serológicas de la sífilis y paludismo en la infancia; revisión de la literatura y experiencia personal. Arch. med. inf., Habana, 1938, 7: 383-93.—Snapper, I. Bang's disease, Weil's disease, and malaria. In his Chin. Lessons to West. Med., N. Y., 1941, 132.—Infectious diseases. Ibid., 32-143.—Spadaro, O. Le reazioni di Von Pirquet, Wassermann, citochol e Dick nelle popolazioni della Arabia e della Danecalia settentrionale. Boll. Soc. ital. biol. sper., 1939, 14: 353-8.—Srnetz, K. Diphtherie und Scharlach. Med. Klin., Berl., 1934, 30: 331-4.—Sydenstricker, E. Current world prevalence of disease. Pub. Health Rep., Wash., 1924, 39: 3089-93.—T'ao, L. A short history of the acute infectious diseases in China. Chin. M. J., 1936, 50: 172-83.—Tománek, E. [Infectious diseases in Belgium] Vest. česk. lek., 1936, 48: 887-9.—Trabaud, De la fièvre estivale de 3 jours et de la dengue en Syrie. Rev. méd., Par., 1924, 41: 379-88.—Tuberculosis and syphilis among summer students at the State Teachers College, Montgomery. J. M. Ass. Alabama, 1940-41, 10: 149.—Wilson, C. M. Microbe tourists. In his Ambassadors in White, N. Y., 1942, 208-27.

Problems.

Lotze, H. Neuere Gesichtspunkte zum Infektionsproblem. Zschr. ärztl. Fortbild., 1937, 34: 437-43.—Reiter, H. Studien über das Infektionsproblem. Zschr. Immunforsch., 1926, 46: 173-82.—Grundsätzliches zum Problem der Infektionskrankheiten. Zschr. ärztl. Fortbild., 1936, 33: 481-5.—Reye, Aktuelle Fragen aus dem Gebiet der Infektionskrankheiten. Zbl. inn. Med., 1938, 59: 115.

Prognosis and cure.

Caulfield, P. A. The major importance of minor infections. Med. Ann. District of Columbia, 1935, 4: 263-8.—Parade, G. W., & Liehr, A. Zur Frage der sportlichen Leistungsfähigkeit nach Infektionskrankheiten. Med. Klin., Berl., 1936, 32: 1093.—Pavesi, A. L'enzimizzazione col disintegrati di rene, cuore e fegato nella prognosi delle malattie infettive. Clin. med. ital., 1926, 57: 566-70.—Richet, C. Mécanisme de la guérison spontanée dans les maladies infectieuses. Médecine. Par., 1928, 9: 1161-6.—Zironi, A. Sguardo d'insieme sulle modalità di guarigione delle malattie infettive. Terapia, Milano, 1924, 14: 357; 1925, 15: 12.

protozoic.

See under proper names of protozoic infections as Amebiasis; Babesiasis; Balantidiosis, etc.; also Protozoa.

Psychological aspect.

Goldberger, P. Infektionskrankheiten und Individualpsychologie. Internat. Zschr. Individpsychol., 1928, 6: 26-35.—Timme, A. R. Relation of childhood infections to behavior. California West. M., 1938, 49: 454-7.

Public health aspect.

See also Infection, Prevention; Infectious disease, Control.

Bonjean, E. Répression de la publicité trompeuse et des produits concernant les maladies épidémiques et transmissibles. Gaz. méd. Paris, 1916, 87: Suppl., p. iii.—Chávez, T. El tifo y el cólera epidémico; estudio comparativo de estas enfermedades con relación a la higiene pública. Mem. Congr. méd. panam. (1896) 1898, 2. Congr., 1: 238-40.—Gottstein, A. Auslesewirkungen der menschlichen Infektionskrankheiten. Naturwissenschaften, 1934, 22: 231-5.—Lekarev, L. G. [Significance and placement of sanitary-epidemic regional stations] Radianska med., 1940, 5: No. 10, 73-6.—Lundborg, O. [State Committee for the care of sick and care during epidemics] Sven. läk. tidn., 1934, 31: 1133-6.—McCoy, G. W. Newer concepts of public health. Am. J. Pharm., 1935, 107: 227-36.—Mercer, W. B. The responsibilities and duties of the state and of the community in regard to infectious diseases. N. Zealand M. J., 1928-29, 27: 375-81.—Moroder, J., & López, F. Un estudio del Servicio de epidemiología de Santiago. Rev. chilena hig., 1942-43, 5: 167-83.—Place (The) of zymotic diseases in public

health effort. Med. Off., Lond., 1941, 66: 187.—Richardson, T. L. Communicable disease, the health officer, physician and people. Virginia M. Semimonth., 1909-10, 2: 273-7.—Tonney, F. O. Bacteriology and the public health. Illinois M. J., 1936, 69: 533-7.

pyogenous.

See also Abscess; Antrum, Empyema; Antrum, Inflammation, purulent; Anus, Abscess; Carbuncle; Cellulitis; Necrosis; Pyemia; Suppuration, etc.

DAS NEVES CASTRO E SILVA, H. J. *A infecção purulenta; sua etiologia, genese e terapeutica. 143p. 12° Libs., 1873.

KLAPP, R. E. *Gegensätze in der Behandlung pyogener Infektionen. 31p. 22½cm. Marb., 1937.

LEXER, E. Die pyogenen Infektionen und ihre Behandlung. 118p. 8° Stuttg., 1936.

RODRIGUES D'OLIVEIRA, M. *Breves considerações sobre a infecção purulenta e theorias que a explicam. 80p. 12° Libs., 1864.

SELBACH, K. *Die Wirkung der Bluttransfusion bei eitrigen Infektionskrankheiten. 24p. 8° [Münch., 1933]

SILVA, M. A. DA. *Considerações sobre a infecção purulenta e theorias que a explicam. 51p. 12° Libs., 1865.

Azzi, A., & Muggia, A. Sul trattamento delle infiammazioni da piogeni. Gior. batt. immun., 1929, 4: 154-9.—Buzello, A. Die allgemeine Lehre von den eitrigen Infektionen (einschliesslich septische Allgemeininfektion) In Chirurgie (Kirschner & Nordmann) Berl., 1926, 1: 781-876, 7 pl.—Capaldi, B. Considerazioni pratiche sulla terapia delle infezioni da piogeni. Gior. med. prat., 1935, 17: 162-75.—Causey, F. A. Treatment of pyogenic infections; report of 313 cases in the Chicago State Hospital. J. Am. Ass. Med. Phys. Res., 1938-39, 13: 215-7.—Chianese, R. Osservazioni sul vaccino antipirogено polivalente I. S. M. nelle infezioni piogene. Terapia, Milano, 1933, 23: 324-8.—Christ, A. Erfahrungen mit Bakteriophag in der Behandlung eitriger Infektionen. Schweiz. med. Wschr., 1931, 61: 1238-41.—Donald, C. The conservative attitude in the treatment of acute pyogenic infections. Brit. M. J., 1935, 1: 963-6.—Gerber, I. The X-ray treatment of superficial pyogenic infections. West. M. Rev., 1926, 31: 175-85. Also Radiol. Rev., 1927, 49: 339-41.—Gindin-Finkinstein, E. M. [Bizzozero's corpuscles in suppurative infections] Sovet. khir., 1933, 4: 46-61.—Grieco, F. Infezioni sperimentali piogeniche acute, trattate con ormone corticale. Ann. ital. chir., 1934, 13: 1185-98.—Grumbach, A. Bakteriologie und Biologie der pyogenen Infektionen. Schweiz. med. Wschr., 1931, 61: 1220-7.—Hesse, E. R. [Transfusion of blood after general suppurative infection] Vest. khir., 1930, 51: 247-55.—Holzknecht, G. Roentgen treatment of spontaneous, post-traumatic and post-operative coccus infections and suppurations. Am. J. Roentg., 1926, n. ser., 15: 332-6. Also Wien. med. Wschr., 1927, 77: 9-11.—Imaz, I. Tratamiento de las infecciones agudas piógenas. Actas Congr. nac. med. B. Air., 1931, 4. Congr., 1: 104-24 [Discussion] 186-206.—Knight, H. C. The use of bacteriophage in the treatment of pyogenic infections. Hosp. News, Wash., 1935, 2, 5: 7-26.—Kukoverov, N. A. [Rôle of intermuscular fissures and their lymphatic tissue and embryonic mesenchyma in the localization and distribution of acute suppurative infections in the extremities in military and industrial trauma] Nov. khir. arkh., 1937, 38: 305-20.—Lawson, J. D. The treatment of pyogenic infection by Roentgen irradiation. Radiology, 1926, 6: 153-5.—Legroux, R., & Giroud, P. Les suppurations à bacilles de Pfeiffer. Presse méd., 1928, 36: 273.—Lexer, E. Die Behandlung der pyogenen Infektion und ihrer Folgen. Arch. klin. Chir., 1934, 180: 183-98 [Discussion] 87.—Biologische Behandlung der örtlichen pyogenen Infektionen. Schweiz. med. Wschr., 1935, 65: 73-5.—Löhr, W. Biologische Behandlung der örtlichen pyogenen Infektionen. Ibid., 927-32.—Lyons, C. Modern methods in the treatment of pyogenic infections. South. Surgeon, 1938, 7: 308-12.—Marussa, M. [Changes in the bacillary flora in purulent infections] Polska gaz. lek., 1934, 13: 496.—Méndez, J. Tratamiento de las infecciones agudas piógenas. Actas Congr. nac. med. B. Air., 1931, 4. Congr., 1: 91-103 [Discussion] 186-206. Also Sem. méd. B. Air., 1931, 38: pt 2, 1109-16. Also Siglo méd., 1931, 88: 603-8.—Menkin, V. Further studies on mechanism of invasiveness by pyogenic bacteria. Proc. Soc. Exp. Biol., N. Y., 1934, 32: 162-4.—Mikhlin, M. S., Rakhmalevich, E. M., & Ozerkovich, M. M. [Changes in carbohydrate and biliary metabolism in general and local suppurative infection] Klin. med., Moskva, 1936, 14: 873-9.—Miley, G. Ultra-violet blood irradiation therapy in acute pyogenic infection at Hahnemann Hospital, Philadelphia, from November 1, 1938 to September 1, 1940. Hahnemann. Month., 1940, 75: 977-96.—Ultra-violet blood irradiation therapy, Knott technic, in acute pyogenic infections. Am. J. Surg., 1942, 57: 493-507. Also Hahnemann. Month., 1942,

77: 161-7.—Mirizzi, P. L. Tratamiento de las infecciones agudas piógenas en su aspecto quirúrgico. *Actas Congr. nac. med.*, B. Air., 1931, 4. Congr., 1: 125-58 [Discussion] 186-206. Also *Sem. méd.*, B. Air., 1933, 40: pt 2, 1052-68.—Muniagurria, C. Tratamiento de las infecciones piógenas agudas de la infancia. *Actas Congr. nac. med.*, B. Air., 1931, 4. Congr., 1: 159-206.—Pacetto, G. La batteriofago-terapia nelle infezioni piogeniche localizzate. *Policlinico*, 1931, 38: sez. chir., 76-95.—Parnenov, V. I. [Treatment of suppurative infection by balsam dressing, according to Vishnevsky]. *Nov. khir. arkh.*, 1940, 46: 143-50.—Pettersson, A. Ueber die Immunität gegen die pyogenen Infektionserreger. *Zschr. Immunforsch.*, 1930, 68: 304-17.—Pometta, D. Prévention et traitement des infections pyogènes provoquées par des traumatismes. *Schweiz. med. Wschr.*, 1931, 61: 1227-35.—Reök, I. [Surgery in suppurative infections]. *Budapesti orv. ujs.*, 1926, 24: 1173-9.—Rosenstein, P. Die Tiefenantisepsis in der Hand des praktischen Arztes bei chirurgischen Infektionen. *Ther. Gegenwart*, 1933, 74: 145-8.—Rufanov, I. G., & Stepanian, E. P. [Vitamin C metabolism and treatment of cases of local suppurative surgical infections with rose hip preparations]. *Klin. med.*, Moskva, 1940, 18: No. 2, 34-43.—Schürer von Waldheim, F. Protein-körpertherapie bei eitriger Infektion. *Wien. med. Wschr.*, 1936, 86: 543-6.—Unblutige Massnahmen bei örtlicher, eitriger Infektion. *Wien. klin. Wschr.*, 1936, 49: 726.—Seemen, H. von. Elektrochirurgie der pyogenen Infektion. *Arch. klin. Chir.*, 1934, 180: 199-205 [Discussion] 87.—Soto, J. A., Brunschwig, A., & Schlutz, F. W. An experimental study of the effects of X-radiation upon acute pyogenic infection of the skin and subcutaneous tissues. *Surgery*, 1938, 3: 593-600.—Stettner, E. Studie über das Verhalten des kindlichen Blutes im Falle der Infektion mit Eitererregern. *Arch. Kinderh.*, 1926, 78: 128-76.—Szelezczyk, G. [Chemotherapy of pyogenic infections]. *Budapesti orv. ujs.*, 1938, 36: 125-7.—Terada, S. Experimentelle Untersuchungen über den Einfluss der Organextrakte auf die örtlichen pyogenen Infektionen. *Zschr. ges. exp. Med.*, 1934-35, 95: 112-20.—Van Zwalenburg, C. Deoxygenation and pus infection. *Am. J. Surg.*, 1934, 23: 339-45.—Veiga Soares, J. O caryophenylenosulfonato de sodio nas infecções piogenicas. *Fol. med.*, Rio, 1936, 17: 100.—Volkman, K. Eitrige Infektionen und ihre Behandlung mit einer hellen Ichthyolsalbe. *Dermatol. Deut. med. Wschr.*, 1934, 60: 1507.—Wangensteen, O. H. Anti- or prophlogistic treatment of acute infections? the rôle of immobilization and elevation in pyogenic infections of the extremities. *Surgery*, 1938, 4: 140-4.—Watson, C. H., & Sarjeant, T. R. The significance of a low leucocyte count in acute pyogenic infections. *Canad. M. Ass. J.*, 1938, 39: 460-4.—Wood, E. H. Alcohol and glycerine in the treatment of pyogenic infections. *Canad. M. Ass. J.*, 1936, 35: 168-72.—Zherdev, P. I. [Metastatic ulcers in general suppurative infection with metastases]. *Klin. med.*, Moskva, 1936, 14: 1673-9.

Quarantine and isolation of cases.

See also Quarantine.

Can the state examine people entering the state who may be suspected of having an infectious disease? *California West. M.*, 1937, 46: 177-9.—Ciaccia, M. La chiusura delle scuole come misura di difesa contro le malattie infettive. *Atti Congr. internaz. tecn. san.*, 1931, 2. Congr., 3: 57-61.—Curtis, F. G. Problems of quarantine in contagious disease work. *Rep. Am. Pub. Health Ass.* (1908) 1909, 34: pt 1, 437-43. Also *Am. J. Pub. Hyg.*, 1909, 19: 355-61.—Fischer, M. Isolierung und Infektionskrankheiten der Kinder. *Aerzt. Rdsch.*, 1926, 36: 225-7.—Forbes, D. School exclusion in infectious disease. *J. R. San. Inst.*, 1938-39, 59: 559-65.—Ivanov, Y. E. [Official isolation periods in infectious diseases in students in schools from a prophylactic viewpoint]. *Tr. Vsesoiuz. sezd. detsk. vrach.*, 1913, 1: 618-25.—Kassowitz, K. Isolierung von Infektionskrankheiten. *Erg. inn. Med. Kinderh.*, 1923, 24: 170-8.—Kleinschmidt, H. Das Isolierungsproblem in der Prophylaxe der akuten Infektionskrankheiten. *Deut. med. Wschr.*, 1926, 52: 1890-2.—Morgan, M. T. Quarantine by sea, land and air; an account of the work of the International Health Office, Paris. *Med. Off.*, Lond., 1941, 65: 177; 185.—Nash, J. T. C. Bed isolation of infectious diseases in fever hospitals. *Ibid.*, 1924, 32: 285-7.—[Periods of isolation of patients with infectious diseases and persons coming into contact with them; approved by the People's Commissariat of Public Health of USSR, Aug. 1, 1940]. *J. mikrob.*, Moskva, 1941, No. 4, 160-71.—Perkins, J. E. Isolating communicable disease. *Mod. Hosp.*, 1940, 55: No. 4, 85.—School exclusion and closure for infectious disease. *Lancet*, Lond., 1927, 2: 326-9.—School exclusions for infectious diseases. *Med. Off.*, Lond., 1942, 67: 204.—Stimson, P. M. Individual isolation. *J. Pediatr.*, S. Louis, 1938, 12: 313-22.—Vallat, P. Projet de création d'internats pour les enfants exclus de l'école par mesure prophylactique. *Méd. scol.*, Par., 1911, 4: 100-5.

Reinfection and relapse.

See also Infection, latent; Infectious disease, Immunity.

SZCZYGIEL, C. *Zur Frage des Rezidivs und der zweimaligen Erkrankung bei Scharlach, Masern, Diphtherie und Keuchhusten. 30p. 21cm. Bresl., 1935.

Brusin, A. M., & Rubinstein, P. L. [New data on the immunity in relation to super-infection]. *Arb. Microb. Inst. Volksunterrichtskom.*, Moskva, 1925, 1: 70-86.—Carle, R. Reinfection et superinfection. *Progr. méd.*, Par., 1926, 41: 1372.—Celeda, R. Ueber das zweite Kranksein bei einigen Infektionskrankheiten. *Wien. med. Wschr.*, 1938, 88: 920-2.—Comby, J. Récidives et rechutes dans les maladies infectieuses. *Arch. méd. enf.*, 1932, 35: 185-211.—Dumitrescu, T., & Stefanu, A. [Recurrence of erysipelas and scarlet fever]. *Spitalul*, 1930, 50: 167.—Finger, E. Ueber Immunität und Reinfektion. *Derm. Stud.*, Hamb., 1910, 20: 31-40.—Fritz, S. [Recurrence in infectious diseases]. *Gyógyászat*, 1934, 74: 513.—Hamburger, F. Ueber Erstinfektion und Reinfektion. *Wien. klin. Wschr.*, 1931, 45: 533-6.—Jacoby, M. Ueber das Zustandekommen der Rezidive infektiöser Erkrankungen. *Ther. Gegenwart*, 1925, 66: 383.—Ochsensius, K. Zur Frage der Wiederholung von Infektionskrankheiten. *Kinderärztl. Prax.*, 1934, 5: 5.—Recurrence in acute infectious diseases of childhood. *J. Am. M. Ass.*, 1936, 106: 386.—Ribadeau-Dumas, L., & Rault, J. Infection et réinfection chez le nourrisson. *Nourrisson*, 1933, 21: 79-93.—Ryhiner, P. Wiederholte Erkrankung an den akuten Infektionskrankheiten des Kindesalters. *Schweiz. med. Wschr.*, 1935, 65: 813.—Valenza, J. Maladies expérimentales de réinfection. *Arch. Inst. Pasteur Tunis*, 1935, 24: 92-8.—Zischinsky, H. Zweitmalige Erkrankungen und Rezidive bei den akuten Infektionskrankheiten des Kindesalters. *Jahrb. Kinderh.*, 1934, 3. F., 92: 43-58.

Research institutes and control centers.

See also Bacteriology, History; Bacteriology, Institutes; Epidemiology.

ALGERIA, AFRICA. INSTITUT PASTEUR D'ALGÉRIE. Notice sur l'Institut Pasteur d'Algérie, T. 1: Recherches scientifiques, enseignement et missions, applications pratiques, 1900-1934. 375p. 18cm. Alger, 1934.

The same. Annexes: 1) Répertoire des publications; 2) tableau d'espèces nouvelles en histoire naturelle, 1900-34. 127p. 18cm. Alger, 1934.

EGYPT. MINISTRY OF PUBLIC HEALTH. RESEARCH INSTITUTE AND ENDEMIC DISEASES HOSPITAL. Annual report. Cairo, 1, 1931-

RANGOON, BURMA. PASTEUR INSTITUTE AND BACTERIOLOGICAL LABORATORY. Report. Rangoon (1933) 1935-

TOKYO. GOVERNMENT INSTITUTE FOR INFECTIOUS DISEASES. Scientific Reports. Tokyo, 1, 1922-

WEAVER, G. H. Medical report of the Durand Hospital of the John McCormick Institute for Infectious Diseases for the first 10 years. 27p. 8°. Chic., 1923.

Activité du Centre de séroprophylaxie; service du Prof. R. Debré, de l'Hôpital Hérold; rapport annuel pour 1938. *Méd. inf.*, Par., 1939, 46: 135-45.—Barg, G. S. [Methodological value of the use of tissue cultures in the study of infection and immunity]. *J. epidem. mikrob.*, Moskva, 1933, 2: No. 10, 1-10; No. 11, 1-13.—Belikov, P. [Survey of activities of the I. I. Mechnikov Institute of Infectious Diseases (Oct. 1925 to Jan. 1927)]. *Mosk. med. J.*, 1927, 7: No. 9, 84-91.—Gerlach, F. Mitteilungen über die Tätigkeit der Station für Tierseuchendiagnostik an der staatlichen Tierimpfstoff-Gewinnungsanstalt in Mödling bei Wien im Jahre 1923. *Seuchenbekämpfung*, 1924, 1: 94-105.—Gildemeister, E. Bericht über die Tätigkeit des Instituts für Infektionskrankheiten Robert Koch in Berlin in der Zeit vom 1. April 1936 bis 31. März 1938. *Veröff. Volksgesundhdsdienst.*, 1937-38, 50: 529-77; 1938-39, 52: 163-215.—Investigation of infectious disease; opening of M. A. B. Laboratory by the Minister of Health. *Lancet*, Lond., 1927, 1: 1049.—Medzhikov, [Activity of the Azerbaijan Institute of Epidemiology and Microbiology during the present war]. *J. mikrob.*, Moskva, 1942, No. 7, 3-6.—Redlich, F. [Study of infectious diseases]. *Polska gaz. lek.*, 1929, 8: 515-7.—Report of work accomplished in institutes of epidemiology and microbiology. *J. mikrob.*, Moskva, 1942, No. 8, 107-9.—Rockefeller (The) Foundation: Annual report for the year 1931. *Ind. M. Gaz.*, 1933, 68: 236-41.—Sergent, E. Rapport sur le fonctionnement de l'Institut Pasteur d'Algérie en 1932. *Arch. Inst. Pasteur Algérie*, 1933, 11: 219-49.—Williams, H. U. Correlation of the departments of medicine, pathology and bacteriology in the teaching of the infections. *Bull. Internat. Ass. M. Mus.*, 1925, 11: 13-5.—Zinsser, H. General plan, organization, and development, subdivision of infectious diseases, division of laboratories and infectious diseases; A. E. F. In *Med. Dep. U. S. Army in the World War*, Wash., 1926, 6: 543-50.

Reticuloendothelial system [incl. spleen]

See also subheading Defense mechanism.

Baskin, M. M. Die Bedeutung des reticuloendothelialen Apparates bei Infektionskrankheiten. Zschr. Immunforsch., 1929, 61: 499-504.—**Belikov, P. F., & Benderskaia, E. A.** [Rôle and significance of the reticuloendothelial system in infectious diseases] Sovet. klin., 1934, 20: 612-5.—**Dawidson, A.** [Significance of the reticuloendothelial system in combating infectious diseases] Warsz. czas. lek., 1937, 14: 605; 629.—**Demidova, L. V.** [Significance of the reticuloendothelial system in infectious diseases] J. mikrob., Moskva, 1937 18: 756-63.—**Dvolaitzkaia-Barysheva, K. M., & Kagan, N. V.** [Rôle of the reticuloendothelial apparatus in infectious diseases] Ibid., 1932, 9: 300-10.—**Haranghy, L.** [Immun-morphologic aspects of the acute infectious changes in the spleen] Gyógyászat, 1933, 73: 807; 831.—**Jacobs, H.** Ueber das normale Gewicht der Milz im Kindesalter und über seine Beeinflussung durch Infektionskrankheiten. Virchows Arch., 1934-35, 294: 453-64.—**Krichevski, I. L., & Golubeva, E. E.** Ueber die Bedeutung des reticuloendothelialen Apparats bei Infektionskrankheiten; das Reticuloendothelialsystem als Schutzapparat bei der Infektion mit *B. pneumoniae* Friedländer. Zschr. Hyg., 1934, 116: 417-20.—**Krichevski, I. L., & Meerson, J. S.** Ueber die Bedeutung des reticuloendothelialen Apparates bei Infektionskrankheiten. Zschr. Immunforsch., 1932, 76: 499-505.—**Krichevski, I. L., & Schwarzmann, L.** Die Bedeutung des reticuloendothelialen Apparates bei Infektionskrankheiten. Ibid., 1928, 56: 322-9.—**Lotze, H.** Reticuloendotheliales System, Allergie und Infektionskrankheiten. Zschr. ärztl. Fortbild., 1938, 35: 397; 429.—**Makeeva, O. O.** [Significance of the reticuloendothelial system in infectious diseases; reticuloendothelial system as defense apparatus of guinea pigs in pneumococcal infection and hemorrhagic septicemia, accomplished through the natural orifices of the body] J. mikrob., Moskva, 1937, 18: 192-8.—**Oelrichs, L.** Ueber die Bedeutung des Reticulo-Endothels für den Infektionsablauf. Zschr. Hyg., 1932, 114: 371.—**Tashian, S. H.** Mobilization of reticuloendothelial cells as an aid in combating infections. West. J. Surg., 1934, 42: 634-45.

secondary.

See also Infectious disease, mixed.

Aberdam-Selligowa, G. [Experimental and clinical research on secondary infections] Warsz. czas. lek., 1933, 10: 406; 431.—**Grillo, J., & Krumeich, R.** Experimentelle Untersuchungen über Misch- und Sekundärinfektion; über die Beeinflussung der experimentellen Naganinfektion des Meer-schweinchens durch eine Mischinfektion mit der Spir. uzbekistanica oder dem Spillum der Rattenbisskrankheit (Sodoku) sowie durch chemische Substanzen, die eine Temperatursteigerung oder sonstige Stoffwechseländerungen bedingen. Zbl. Bakt., 1. Abt., 1934, 132: 385-403.—**Renaud, M.** Les infections secondaires et les lésions locales dans les maladies infectieuses. J. méd. chir., 1922, 93: 745-50.—**Vilk, N. L.** [Secondary infections of pluriglandular form (case of heteroplasty)] Mosk. med. J., 1928, 8: 1-8.

Sense organs.

Asherson, N. Acute infections of the ear in the acute specific fevers. Clin. J., Lond., 1933, 62: 601-9.—**Davy, A. O.** Some aspects of sinusitis and otitis media in the infectious fevers. Med. J. Australia, 1932, 2: 72.—**Glowski, B. F.** Ear complications in some of the more common acute infectious diseases. J. Michigan M. Soc., 1926, 25: 211-3.—**Kalashnikov, B. P.** [Stability of accommodation in infectious diseases (angina, grippe, typhoid pneumonia and malaria)] Vest. oft., 1939, 14: No. 6, 35-45.—**Shanedling, P. D.** Ocular involvement in the acute infectious diseases. Dis. Eye & Throat, 1942, 2: 24-8.

Sex factors.

HANDJEFF, W. *Ueber die Bedeutung der Geschlechts-Disposition bei Infektionskrankheiten nach Beobachtungen der Leipziger medizinischen Klinik (Auszug) 6p. 8° Lpz., 1925.

Bonell, W. Beiträge zur Frage des Geschlechtsverhältnisses bei Kinderkrankheiten. Zschr. Kinderh., 1934-35, 57: 568-90.—**Cogliuina, B.** Alcune considerazioni sulla disposizione della donna per malattie infettive. Gior. clin. med., 1927, 8: 353-7.—**Günther, H.** Ueber die Bedeutung der Sexualdisposition bei den Infektionskrankheiten. Arch. Hyg., Berl., 1925, 96: 125-66. — Die Bedeutung des nosologischen Sexualdualismus bei Infektionskrankheiten. Seuchensbekämpfung, 1926, 3: 1-18.—**Hubert.** Menstruationszyklus und Infektionsbereitschaft. Arch. Gyn., Berl., 1933-34, 156: 39 [Discussion] 46-66.—**Meyer, S.** Ueber geschlechtsbedingte Unterschiede im Ablauf von Infektionskrankheiten. Klin. Wschr., 1926, 5: 1791-4.—**Peller, S.** Ueber Geschlechtsdisposition zu Infektionskrankheiten. Zschr. ges. Anat., 2. Abt., 1925, 11: 460-504.—**Pohlen, K.** Das Geschlechtsverhältnis bei den Erkrankungen an Kinderinfektionskrankheiten nach Altersklassen. Reichsgesundhbl., 1936, 11: 148-50.—**Schiff, F.** Ueber die ungleiche numerische Beteiligung der Geschlechter

an akuten Infektionskrankheiten; ein Erklärungsversuch, gleichzeitig ein Beitrag zur Konstitutionslehre. Med. Klin., Berl., 1924, 20: 1385-90.

specific.

See also proper names of infectious diseases.

RAVAUT, P. Syphilis, paludisme, amibiase; traitement initial et cure de blanchiment. 88p. 12° Par., 1918.

Allison, V. D., Fry, R. M. [et al.] Streptococcal and pneumococcal infections. Lancet, Lond., 1939, 1: 451-3.—**Bell, E. T.** Leprosy and glanders. In his Textb. Path., Phila., 4. ed., 1941, 221-4.—**Berta, A.** Relativa a las siguientes investigaciones bacteriológicas: a) sobre la epidemia de gripe; b) sobre la espiroquetosis ictero-hemorrágica; c) sobre la presencia del bacilo disenterico y del vibrion de Koch. Bol. Cons. nac. hig., Montev., 1919, 13: 93-100.—**Bronovitsky, A. I.** [The problem of specificity in pathology] Arkh. biol. nauk, 1940, 58: 130-55.—**Creighton, C.** The autonomous life of specific infections. Brit. M. J., 1883, 2: 218-24.—**Gardère, H.** Dysenterie bacillaire et paludisme sporadiques. Lyon méd., 1924, 134: 19-21.—**Harries, E. H. R.** Measles and whooping-cough; prevention and treatment. Practitioner, Lond., 1942, 148: 32-7.—**Kleeberg, J.** Ueber die Klinik der Pappataci- und Dengue-Erkrankungen. Fol. med. int. orient., 1936, 2: 177-87.—**Lengfeller, K.** Die Behandlung der Tetanus- und Lyssa-infektion mit Diathermie und Röntgenstrahlen. Fortsch. Med., 1923, 41: 121.—**Levis, D.** Streptococcal and staphylococcal fevers. J. R. Army M. Corps, 1941, 76: 153-62.—**Mócsy, J.** [Anthrax and malleus] Gyógyászat, 1938, 78: 293-5.—**Natin, I., Rin, C. da & Dussaut, S.** Carbunclo y difteria. Sem. méd., B. Air., 1942, 49: pt 2, 1297-302.—**Nauck, E. G.** Malaria and typhus fever; a comparative study of their morbid anatomy. Trop. Dis. Bull., Lond., 1942, 39: 367 (Abstr.)—**Nozioni** recenti sul colera, dermatite e febbre ricorrente. Riforma med., 1923, 39: 319-21.—**Ruhräh, J.** Infectious diseases, including acute rheumatism, croupous pneumonia and influenza. Progr. Med., Phila., 1923, 1: 123-210.—**Schröder, C. H.** Spezifische Infektionen. Chirurg, 1935, 7: 455-63.—**Siegl, J.** Ueber spezifische Therapie und Prophylaxe bei Diphtherie und Scharlach. Wien. med. Wschr., 1933, 83: 1175-81.—**Stall-brass, C. O.** Scarlet fever and diphtheria; variations in incidence and fatality. Pub. Health, Lond., 1923-24, 37: 5-11.—**Teale, F. H.** The problems of specificity. Brit. Homoeop. J., 1926, 16: 46-65.—**Timpano, P.** Sopra alcuni casi di amebiasi, anchilostomiasi, febbre maculosa e adenite inguinale epidemica. Gior. clin. med., 1924, 5: 133-6.—**Wesselhoef, C.** The treatment of diphtheria and scarlet fever. Med. Clin. N. America, 1941, 25: 1273-85.—**Whooping cough and measles remedies.** Bull. Dep. Health Kentucky, 1938-39, 11: 44-6.

Statistics.

See also subheading Prevalence; also Communicable disease, Statistics.

MELAMED, J. *Vergleichende Statistik der Infektionskrankheiten in Südafrika für die Jahre 1920-25. 18p. 8° Lpz., 1928.

POMMER, M. *Statistik europäischer und außereuropäischer Infektionskrankheiten für die Jahre 1926-32. 44p. 8° Lpz., 1934.

SIERRA LEONE. MEDICAL AND SANITARY SERVICE. Bulletin of infectious diseases. Free-town, 1934—

Annual medical report for the year ending 1932 [Hong Kong] J. Trop. M. & Hyg., Lond., 1935, 38: Suppl., 46-8.—Annual report of the public health commissioner with the government of India for 1932. Ind. M. Gaz., 1934, 69: 527-9.—Annual report of the public health laboratories for the year 1931 [Egypt] J. Trop. M. & Hyg., Lond., 1934, 37: Suppl., 15.—**Bügers, T. J.** Ueber den Wert der von den bakteriologischen Untersuchungsämtern gegebenen Statistiken. Off. Gesundheitspfl., 1920, 5: 131.—**Bulletin épidémiologique: année 1937** [and subsequent years] Bull. Off. internat. hyg. pub., Par., 1938, 30: 444-73; and passim in subsequent vols.—**Dale, J.** Infectious diseases. Rep. Health Com. Melbourne (1940) 1941, 7.—**Greenwood, M.** On the statistical measure of infectiousness. J. Hyg., Lond., 1931, 31: 336-51.—**Hill, H. W.** A score system for determining the real relative importance of the different infectious diseases. J. Am. Pub. Health Ass., 1911, 1: 7-9.—**Incidence of infectious diseases, July, August and September, 1931.** West Afr. M. J., 1931, 5: 15.—**Infectious diseases in Australia, 1932, 1933.** Health Bull., Melb., 1933, 11: 9-12; 45; 1934, 12: 9-11.—**Infectious diseases in Australia, 1938, 1939.** Health, Canberra, 1939, 17: 99; 1940, 18: 14.—**Number of cases of and deaths from infectious diseases reported in each country from which official reports are received.** Rapp. épidém., Genève, 1930, 9: 458-63; 1931, 10: 17; passim; 1932, 11: 22-33.—**Prinzinger.** Aus den epidemiologischen Monatsberichten der Hygienesektion des Völkerbundes. Deut. med. Wschr., 1927, 53: 1993.—**Quarantinable and infectious diseases.** Health Bull., Melb., 1932, 10: 53.—**Telegraphic information received by the Bureau of the League of Nations**

at Singapore concerning pestilential diseases in Eastern ports and countries. *Week. Epidem. Rec. (League of Nat.)* 1942, 17: 4; 17; 27; 34; 39.

— Statistics: America.

UNITED STATES. PUBLIC HEALTH SERVICE. The notifiable diseases; prevalence during 1930 in cities of over 100,000. 37p. 8° Wash., 1931.

Batelli, C. F. The incidence of communicable diseases. *Health, N. Haven*, 1934, 61: 2-5.—Cholera, yellow fever, plague and smallpox; reports received from Dec. 30th, 1911, to June 28, 1912. *Pub. Health Rep., Wash.*, 1912, 27: 1056-63.—Communicable diseases. *J. Indiana M. Ass.*, 1939, 32: 190-2.—Communicable disease. *Mil. Surgeon*, 1942, 90: 591.—Communicable disease [Oregon] meningitis at highest level in recent years; measles up again after temporary decline with 43 cases in Jackson County. *Oregon Health Bull.*, 1943, 21: No. 8, 2.—Del Campo, H., Canabal, J. J., & Travieso, J. E. Informaciones referentes a los cuestionarios remitidos por la Oficina Internacional de Higiene Pública de París, sobre variaciones de la frecuencia del tabes y parálisis general y sobre la fauna de los roedores y parásitos cutáneos que intervienen en la propagación de la peste. *Bol. Cons. nac. hig., Montev.*, 1924, 19: 522-32.—Enfermedades de declaración obligatoria en las Jefaturas Locales de Salubridad, durante el mes de Octubre de 1941. *Salub. & asist. social, Habana*, 1941, 44: 466-8.—Enfermedades pestilenciales. *Bol. Of. san. panamer.*, 1940, 19: 949-53; 1161; 1286; 1942, 21: 205.—Fontenelle, J. P. As doenças transmissíveis no Rio de Janeiro em 1937 e 1938. *Fol. med.*, Rio, 1939, 20: 232-9; 272; 279; *passim*.—Fortún y Foyo, J. A. M. Constituciones epidémicas reinantes en Remedios, Santa Clara, desde 1900 hasta 1937. *Rev. med. cir. Habana*, 1938, 43: 372-83.—Gill, D. G. Bureau of preventable diseases. *J. M. Ass. Alabama*, 1934, 3: 289; 1936-37, 6: 215. —Bureau of preventable diseases; diseases reported during 1940. *Ibid.*, 1941, 10: 282. —Communicable diseases in 1942 [Alabama] *Ibid.*, 1942-43, 12: 244.—Guilford, H. M. Communicable diseases in 1938. *Bull. Bd Health Wisconsin*, 1939, 6: No. 13, 10.—Infectious diseases in Louisiana. *N. Orleans M. & S. J.*, 1941-42, 94: 356; 1942, 95: 205.—Leprosy and tuberculosis. *Statist. Bull. Metrop. Life Insur.*, 1939, 20: No. 4, 12-4.—Measles and mumps continue high as medians for period rise; pneumonia and whooping cough decline. *Oregon Health Bull.*, 1943, 21: No. 10, 2.—Notifiable diseases in large cities, 1926. *Pub. Health Rep., Wash.*, 1927, 42: 1859-61.—Notifiable (The) diseases; prevalence during 1927 in cities of 10,000 to 100,000 population. *Ibid.*, 1929, Suppl., No. 72, 1-94.—Notifiable (The) diseases; prevalence during 1928 in cities of over 100,000. *Ibid.*, Suppl., No. 76, 1-37.—Notifiable diseases in the United States; morbidity and mortality summaries for certain important communicable diseases, 1938 [and subsequent years] *Ibid.*, 1940, 55: 423-9; and *passim* in subsequent vols.—Oliveira, W. de. Serviço de saúde; secção de epidemiologia e profilaxia gerais; resumo do relatório de 1938. *Arq. hig.*, S. Paulo, 1939, 4: No. 6, 169-73.—Prevalence of communicable diseases in Alabama, 1940. *J. M. Ass. Alabama*, 1940-41, 10: 252; 465.—Prevalence of communicable diseases in the United States, 1938 [and subsequent years] *Pub. Health Rep., Wash.*, 1938, 53: 747; and *passim* in subsequent vols.—Review of communicable diseases in Iowa, 1939. *J. Iowa M. Soc.*, 1940, 30: 73-6.—Riggin, I. C. Public health statistics. *Virginia M. Month.*, 1934-35, 61: 718-20. —Public Health statistics of Virginia. *Ibid.*, 1935-36, 62: 604-6; 1939, 66: 535; 1941, 68: 225.—Statistical reports; notifiable diseases reported in January and March. *Illinois Health News*, 1923, 9: 103-6; 168.—Summary of notifiable diseases in States during 1929. *Pub. Health Rep., Wash.*, 1931, 46: 149-54.—Thibau Junior. As doenças transmissíveis no 8° distrito sanitário (1935-39) *Rev. med. mun.*, Rio, 1941, 2: 321-41.—Wilson, E. B., Bennett, C. [et al.] Measles and scarlet fever in Providence, R. I., 1929-34 with respect to age and size of family. *Proc. Am. Philos. Soc.*, 1939, 80: 357-476.

— Statistics: Europe.

BELOCERKOVSKY, I. *Statistik der Infektionskrankheiten in Europa für die Jahre 1919-25 [Leipzig] 32p. 8° Riga, 1927.

DOMKE, H. *Ueber die Infektionskrankheiten Typhus, Paratyphus, Diphtherie und Ruhr in Süd-Hannover in den Jahren 1928 bis 1933 [Göttingen] 32p. 8° Recklinghausen, 1935.

GREAT BRITAIN. MINISTRY OF HEALTH. Reports on public health and medical subjects. No. 2: Incidence of notifiable infectious diseases in each sanitary district in England and Wales during the year 1919. 57p. 8° Lond., 1920.

— The same. No. 6: Incidence of notifiable infectious diseases in each sanitary district in England and Wales during the year 1920. 57p. 8° Lond., 1921.

GRONWALD, K. H. *Die Verbreitung der Infektionskrankheiten im Regierungsbezirk Königsberg in den Jahren 1924 bis 1933. 65p. 8° Königsb., 1936.

ITALY. DIREZIONE GENERALE DELLA SANITÀ PUBBLICA. Bolletino delle malattie infettive nel Regno. Roma, 1920; 1927.

PETERS, C. H. *Die Erkrankungen an Diphtherie, Scharlach, Typhus und Paratyphus, spinaler Kinderlähmung und übertragbarer Genickstarre im Stadt- und Landkreis Münster in den Jahren 1931-34. 31p. 22cm. Münster, 1935.

RADDATZ, H. *Die Erkrankungen an Diphtherie, Scharlach, Typhus, Paratyphus, Ruhr und spinaler Kinderlähmung in den einzelnen Berliner Stadtteilen von 1929-35 [Berlin] 49p. 23½cm. Charlottenb., 1937.

ROCHE, C. DE. *Morbidity of the acute infectious diseases in the Schulen Berns [Bern] 44p. 24cm. Bür., 1941.

RUSSIA. BUREAU D'INFORMATION SANITAIRE POUR L'ÉTRANGER. Rapport mensuel sur le mouvement des malades infectieux. Moskva, 1929-36.

Bauer, R. Die Häufigkeit der in Oesterreich im Jahr fünf 1927 bis 1931 gemeldeten Fälle von Scharlach, Diphtherie, Abdominaltyphus, Paratyphus; Poliomyelitis anterior acuta. *Mitt. Volksgesundh., 1933*, 56.—[Bergen] communal hospitals; epidemic department sick list of 1938] *Arsher. Bergens Kom. sykehus (1937/38)* 1939, 83-9.—Epidémies (Les) en Belgique en 1909 d'après les rapports des commissions médicales provinciales. *Mouvement hyg., Brux.*, 1910, 26: 413-22.—Dobritzer, I. A. [Infectious diseases in Soviet Russia] *Vrach. gaz.*, 1929, 33: 2507-15.—Epidemiological notes; infectious diseases. *Brit. M. J.*, 1940, 2: 105; 1941, 1: 302.—Gale, A. H. Variations in the mortality and incidence of the common infectious diseases of childhood over a century. *Proc. R. Soc. Med., Lond.*, 1942-43, 36: 97-104.—Horning. Seuchenbewegung im Protektorat Böhmen und Mähren. *Med. Welt*, 1940, 14: 722-4.—Incidence of, and mortality from, communicable diseases. *J. Trop. M. Hyg., Lond.*, 1938, 41: Suppl., 33.—Infectious diseases during 1938 [Germany] *J. Am. M. Ass.*, 1939, 112: 1740.—Infectious diseases and vital statistics [Gt Britain] *Brit. M. J.*, 1939, 2: 319; *passim*; 1940, 2: 71; *passim*; 1941, 2: 362; *passim*.—Infectious disease in England and Wales. *Lancet, Lond.*, 1940, 2: 241; *passim*; 1941, 1: 93; *passim*; 1942, 2: 56; *passim*; 1942, 1: 367; *passim*.—Infectious diseases in Switzerland. *J. Am. M. Ass.*, 1942, 118: 662.—Laruelle, L. Les épidémies en Belgique en 1910; 1911. *Mouvement hyg., Brux.*, 1912, 28: 5-12; 1913, 29: 5-14.—Lojander, W. Ueber das periodische Auftreten der Infektionskrankheiten in Helsinki 1910-34. *Acta Soc. med. Duodecim*, 1935, 18: ser. A, fasc. 1, No. 7, 1-23.—Malattie (Le) infettive nel 1928. *Italia san.*, 1929, 21: 12.—Malattie (Le) infettive in Italia. *Med. sociale, Nap.*, 1931, 21: No. 3, 6-8.—Murray, S. Seasonal prevalence of and mortality from infectious diseases in the County of London. *Med. Off., Lond.*, 1912, 7: 215.—Néris, P., & Geens, J. Maladies infectieuses (1931-32) *Rev. belge sc. méd.*, 1933, 5: 293-325; 6: 850-69.—Nyrop, E. [Infection, mortality and nutrition; a medical statistical study] *Ugekr. læger*, 1932, 94: 983-91.—Pirc, B. [Zarazne bolesti u Jugoslaviji od 1918-28 god] *Glasnik, Beogr.*, 1929, 8: 245-348.—Pohlen, K. Die Verbreitung der anzeigepflichtigen Krankheiten im Deutschen Reich im Jahre 1933. *Reichsgesundhbl.*, 1934, 9: 678-83.—Rapport du Service fédéral de l'hygiène publique sur sa gestion en 1933. *Bull. Eidg. Gesundheitsamt.*, 1934, Beil. No. 38, 1-24.—Schlossberger, H. Die akuten Infektionskrankheiten in Dänemark und Holland. *Arch. sozial. Hyg.*, 1931, 6: 201-11.—Silberschmidt, W. The acute infectious diseases in Switzerland. *J. State M., Lond.*, 1930, 38: 109-13.—Solbrig, O. Ueber den Stand der Infektionskrankheiten in Preussen in den letzten 30 Jahren. *Deut. med. Wschr.*, 1934, 60: 106-9. —Statistische Darstellung des Verlaufs der Infektionskrankheiten in Preussen. *Veröff. Medverwalt.*, 1934, 43: 333-462.—Sourander, B. Ueber Scharlach und Diphtherie in Finnland und Schweden während der letzten Dezennien. *Acta paediat.*, Upps., 1941, 29: 96-106. Also *Nord. med.*, 1941, 12: 2929-32 (microfilm).—Suede. Statistiques sanitaires; ensemble du pays. *Bull. Off. internat. hyg. pub., Par.*, 1935, 27: 566-8.—Tanon, L. Les maladies infectieuses en France en 1938. *Médecine, Par.*, 1938, 19: 929-54.—Zusammenstellung der im Jahre 1941 amtlich angezeigten Fälle von ansteckenden Krankheiten. *Bull. Eidg. Gesundheitsamt.*, 1942, Gegen Tuberk., 42.

— Surgical aspect.

See also Accidents; Antisepsis; Asepsis; Disinfection; Hand, Disinfection; Wound infection,

etc.; also under names of surgical infectious diseases.

KAHN, A. *Contribution à l'étude de la prophylaxie des accidents infectieux post-opératoires [Strasbourg] 52p. 25cm. Colmar, 1937.

MENESES SUÁREZ, M. *Las infecciones quirúrgicas generales y locales graves tratadas por la transfusión de sangre [Chile] 30p. 8°. Santiago, 1934.

Akhutin, M. N., & Andresen, I. I. [Changes of the level of calcium, potassium and sugar in experimental surgical infections] Vest. khir., 1931, 24: 90-4.—Barnes, W. H. Virulent surgical infections. California West. M., 1926, 24: 349-54.—Bazy, L. Serotherapy and vaccinotherapy in surgical infections. Surg. Gyn. Obst., 1923, 37: 320-41.—Black, C. E. Relation of surgery to primary and secondary infections. Illinois M. J., 1931, 60: 418-23.—Brocq, P., & Duchon, L. Des applications des lysats vaccins dans la thérapeutique des infections chirurgicales. Prat. méd. fr., 1931, 12: 188-206.—Cabot, H. A neglected factor in surgical infections; the doctrine of the prepared soil. Trained Nurse, 1926, 76: 378-82.—Carscadden, W. G. Principles of treatment of acute infections of soft tissues, boils, carbuncles, cellulitis, and lymphangitis. Bull. Acad. M. Toronto, 1936, 9: No. 5, 111-8.—Čárský, K. [Local treatment of surgical infections] Bratisl. lek. listy., 1931, 11: 517-43.—Delbet. A luta contra as infecções em cirurgia. Gaz. clin., S. Paulo, 1926, 24: 116.—Diamant-Berger. A propos des traitements actuels des infections dites chirurgicales. Bull. Soc. chir. Paris, 1936, 28: 521.—Ellingson, B. Infection control in the surgery. Mod. Hosp., 1941, 57: No. 4, 83.—Gannon, J. A. Treatment of some surgical infections. Virginia M. Month., 1930, 57: 455-8.—Gius, J. A. Zinc peroxide in treatment of surgical infections. Northwest M., 1940, 39: 354-8.—Gohrbandt, E. Chemotherapie in der Chirurgie. Verh. Berl. med. Ges. (1940) 1941, 71: No. 7, 1-3.—Goldenberg, H. A. The treatment of surgical infections with solutions of a new chlorine compound of low potential. West. J. Surg., 1936, 44: 105-16.—Guzman, F. C., & Garcia, E. Sulfathiazole in the treatment of surgical infections and complications. J. Philippine M. Ass., 1941, 21: 563-77.—Inyecciones intravenosas de hexaformina en las infecciones quirúrgicas. Crón. méd. mex., 1927, 26: 231.—Jett, F. H. Operative infection. J. Indiana M. Ass., 1936, 29: 517-20.—Kirschner. Die Chemotherapie chirurgischen Infektionskrankheiten. Praxis, Bern, 1942, 31: 282 (Abstr.).—Koch, S. L. Felons, acute lymphangitis and tendon sheath infections; differential diagnosis and treatment. J. Am. M. Ass., 1929, 92: 1171-3.

The prevention and control of surgical infections in a general hospital. J. Kansas M. Soc., 1942, 43: 1-6.—Kosdoba, A. S., & Kupeřmann, T. M. Anwendung von Brillant- und Malachitgrün bei der Bekämpfung chirurgischer Infektion. Beitr. klin. Chir., 1931, 152: 250-9.—Kostlivý, S. Die Behandlung der chirurgischen Lokal- und Allgemeininfektion. Wien. med. Wschr., 1931, 81: 1263-70.—Lamonica, C. Su un importante caso d'infezione post-operatoria guarita con il siero antistreptococcico. Riv. ostet. gin., 1926, 8: 337.—Lång, A. Die Pathologie und Therapie der schweren akuten chirurgischen Infektionskrankheiten. Erg. Chir. Orthop., 1922, 15: 718-806.—Larget, M., Lamare, J. P., & Moreau, E. Considérations sur l'emploi de quelques procédés biologiques dans les infections chirurgicales. Bull. méd., Par., 1929, 43: 1079-81.—Lecène, P., & Moulouquet, P. Infection en général. In Précis path. chir., 6. éd., 1937, 1: 1-46.

Les principaux types de lésions infectieuses chirurgicales. Ibid., 47-94. — Infections en particulier. Ibid., 95-156.—Lewis, D. Infections from a surgical viewpoint. Tr. Med. Chir. Fac. Maryland, 1924, 126: 11-27.—Lockwood, J. S. Sulfanilamide in surgical infections; its possibilities and limitations. J. Am. M. Ass., 1940, 115: 1190-5.—Lortat-Jacob, J. L. A propósito de la hipersensibilidad a la infección en cirugía. Rev. med. cir. Habana, 1941, 46: 169-86.—Lyons, C. Immunological aspects of surgical infections. Surg. Clin. N. America, 1942, 22: 501-13.—Magazani, G. L., & Sinitsky, A. A. [Effect of factors of physical therapy on surgical infection; prophylactic effect of ultra-violet irradiation in infected cutaneous wounds in rabbits] Vest. khir., 1938, 55: 537-41.—Mason, J. B. The prophylaxis and treatment of surgical infections. Surg. Clin. N. America, 1939, 19: 1375-400.—Mason, M. L. Aseptic and antiseptic measures as they affect the incidence of infections in surgery. Surg. Gyn. Obst., 1939, 69: Suppl., 112-4. — Control of postoperative infections. Hospitals, 1940, 14: No. 3, 51-4.—Mauclair. Infections chirurgicales et sulfamidothérapie. Bull. méd., Par., 1940, 54: 155-8.—Meleney, F. L. The historical aspects of surgical infections. Tr. West. Surg. Ass. (1940) 1941, 50: 165-99. — Zinc peroxide in surgical infections. Am. J. Nurs., 1941, 41: 645-9. — & Johnson, B. The prophylactic and active treatment of surgical infections with zinc peroxide. Surg. Gyn. Obst., 1937, 64: 387-92.—Meleney, F. L., & Lockwood, J. S. The chemotherapy of surgical infections. Surg. Clin. N. America, 1942, 22: 479-99.—Mornard, P. Les vaccinations préventives des complications septiques des opérations chirurgicales. Progr. méd., Par., 1926, 41: 94, 99.—Paoli, E. de. Des résultats du traitement préventif des infections chirurgicales par des injections sous-cutanées de nucléinate de soude. P. verb. Ass. fr. chir., 1910, 23: 745-53.—Raiga, A.

Les traitements actuels des infections dites chirurgicales: étude du processus de la guérison. Bull. Soc. chir. Paris, 1936, 28: 497-514.—Reid, M. R. Infections in surgery. Surg. Gyn. Obst., 1939, 69: Suppl., 107-9.—Rubashev, S. M. [Surgery of infectious diseases] Khirurgia, Moskva, 1937, No. 11, 63-70.—Schiassi, B. The vitalistic method in the treatment of certain surgical infections. Ann. Surg., 1926, 84: 305-16.—Singer, E., & Edel, H. Ueber postoperative Infektionen. Deut. Zschr. Chir., 1928, 211: 301-17.—Supt.'s (The) role in the control of postoperative infections. Hosp. Topics, 1941, 19: No. 3, 16.—Trueta, J. Concept of surgical infection in the light of modern experience; its practical application. S. Mary Hosp. Gaz., Lond., 1942, 48: 21.—Valerio, A. Graves infecciones cirurgicas e vacinoterapia intravenosa. Fol. med., Rio, 1934, 15: 176.—Vogeler, K. Brennbehandlung chirurgischer Infektionen. Med. Klin., Berl., 1940, 36: 1252 (Abstr.) (microfilm).—Wangensteen, O. H. The surgeon's role in the treatment of infection. Wisconsin M. J., 1938, 37: 629-36.—Wiensky, A. O. The local prophylactic use of chemotherapy, sulfanilamide, after intraabdominal operations against the development of postoperative infection. Med. Rec., N. Y., 1942, 155: 61-4.

Therapeutic use.

See under such headings as Fever therapy; General paralysis, Treatment; Malariotherapy, etc.

Treatment.

See also Communicable disease, contagious; Treatment; Communicable disease, Treatment.

BIELING, R. Entstehung und biologische Bekämpfung typischer Infektionskrankheiten; Vorlesungen auf Grund der Ergebnisse experimenteller Untersuchungen. 1. Folge. 119p. 8° Lpz., 1937.

BUSSON, B. Prophylaxe und Therapie der Infektionskrankheiten und Idiosynkrasien mit spezifischen und unspezifischen Mitteln. 237p. 8°. Wien, 1932.

DUFORT, A. Traitement des maladies infectieuses, intoxications; vaccins et sérums. 404p. 18°. Par., 1926.

RIEUX, J., & ZOELLER, C. Traitement des maladies infectieuses en clientèle. 248p. sm. 4°. Par., 1926.

VENZMER, G. Kampf den Bazillen; gegen Bakterien, Seuchen und ansteckende Krankheiten. 224p. 8°. Münch., 1936.

Banks, H. S. The treatment of infective fevers. Practitioner, Lond., 1942, 149: 292-300.—Benson, W. T. Infectious diseases. In Textb. M. Treat. (Dunlop, D. M.) 2. ed., Edinb., 1942, 1-77.—Berquist, A. O. [Twenty-five year experience with epidemic diseases, treated in the hospital for infectious diseases in Söderköping] Nord. med., 1939, 2: 1097-105.—Bie, V. [Specific and nonspecific treatment of infectious diseases] Ugeskr. læger, 1927, 89: 930-5.—Carey, B. W. Treatment of specific infections. In Advance. Pediatr., N. Y., 1942, 1: 111-4.—Catel, W. Die Infektionskrankheiten. In his Pflege gesund. & krank. Kind, Lpz., 1939, 415-48.—Control of the common fevers. Lancet, Lond., 1938, 1: 787.—Esmel, E. La terapéutica contra las microbiosis agudas febriles. Rev. méd. lat. amer., B. Air., 1936-37, 22: 731-43. Also Rev. méd. veracruz., 1937, 17: 2364; 2381; 2389.—Fonso Gandolfo, C. Tratamiento general de las enfermedades infecciosas. Dia méd., B. Air., 1941, 13: 218-20.—Fontenelle, O. Therapeutica clinica das doenças infecciosas. Fol. med., Rio, 1935, 16: 371-4; 461.—Gundel, M. Fortschritte auf dem Gebiete der spezifischen Prophylaxe und Therapie bakterieller Infektionen. Wien. klin. Wschr., 1940, 53: 1002-5.—Gunn, W. Recent advances in the treatment of acute infectious diseases. Practitioner, Lond., 1934, 133: 380-400. — Acute infectious diseases. Ibid., 1936, 137: 513-30; 1938, 141: 395.—Hegler, C. Praktikum der wichtigsten Infektionskrankheiten. Deut. med. Wschr., 1934, 60: 58; passim.—Horder, T. The present position of treatment in infective diseases. West London M. J., 1932, 37: 145.—Ide, M. Thérapeutique anti-infectieuse. Rev. méd. Louvain, 1933, 269-71.—Imaz, I. Terapêutica anti-infecciosa. Dia méd., B. Air., 1932-33, 5: 757.—Jürgens. Behandlung und Bekämpfung der Infektionskrankheiten. Ther. Gegenwart, 1923, 64: 41; 87.—Llorca Pérez, D. Sobre el tratamiento y curación de las enfermedades infecciosas. Siglo méd., 1931, 87: 277.—Meyer, F. Moderne Infektionsbehandlung; kritischer Ueberblick. Jahrbuch ärztl. Fortbild., 1926, 17: H. 10, 28-47. — & Nassau, E. Die Behandlung der Infektionskrankheiten. Ther. Gegenwart, 1926, 67: 505; 1927, 68: 30; 75.—Mukherji, S. K. Treatment of infectious fevers. Ind. M. Rec., 1934, 54: 25-32.—Nardi Batassi, D. Terapèutica delle malattie infettive nelle sue linee generali odierne. Cult. med. mod., Pal., 1925, 4: 103-5.—Nicolle, M., & Cesari, E. La thérapeutique des maladies infectieuses (vue générale) Ann. Inst. Pasteur,

Par., 1924, 38: 759-74.—**Paulin, J. E., Minnich, W. R.** [et al.] The infectious diseases. In *Modern Med. Ther.* (Barr, D. P.) Balt., 1940, 2: 1203-983.—**Reimann, H. A.** Infectious diseases; progress in internal medicine. *Arch. Int. M.*, 1939, 64: 362-405.

Treatment of infectious diseases. In his *Treat. Gen. Med.*, Phila., 1941, Progr. Vol., 1-47. — Treatment of the bacillary diseases. In *Treat. Gen. Med.*, 2. ed., Phila., 1941, 1: 100-30.—**Saltzstein, H. C.** Treatment of minor infections: in the dispensary and office. *Am. J. Surg.*, 1933, 21: 358-67.—**Sarmiento, A.** Therapeutica geral da infecção. Porto med., 1904, 1: 210.—**Savy, P.** Traitement des maladies infectieuses et des intoxications. In his *Thér. clin.*, Par., 1936, 3: 2402-674.—**Shiller, I. G.** [Compulsory antagonism in application of treatment of infectious diseases] *Vrach. delo*, 1940, 22: 349-52.—**Siegel, J.** Spezifische Prophylaxe und Therapie der akuten Infektionskrankheiten im Kindesalter. *Wien. med. Wschr.*, 1935, 85: 1922; passim.—**Simey, A. I.** The management of infectious diseases in boarding-schools. *Lancet*, Lond., 1926, 2: 1057-9.—**Slobozianu, H.** [The treatment of infectious diseases] *România med.*, 1928, 6: 88-90.—**Stachelin, R.** Allgemeine Therapie der Infektionskrankheiten. In *Lehrb. inn. Med.*, 3. Aufl., Berl., 1936, 1: 166-78; 4. Aufl., 1939, 1: 170-82.—**Susman, W. A.** Contribution to the therapy of acute infections. *Brit. J. Exp. Path.*, 1926-27, 8: 457-65.—**Swanwick, E. M.** Treatment of infectious disease. *Med. Times*, Lond., 1926, 54: 182-4.—**Toomey, J. A.** Management of some acute contagious diseases and their complications. *J. Med.*, Cincin., 1939-40, 20: 193-5.—**Vaiciulis, P.** [Treatment of infectious diseases in rural districts] *Medicina*, Kaunas, 1939, 20: 379.—**Wicht, J. F.** Infectious disease in general practice. *S. Afr. M. J.*, 1933, 7: 103-8.—**Woolpert, O. C.** Current treatment of communicable diseases. *Proc. Post-colleg. Clin. Assemb.* Coll. M. Ohio Univ., 1937, 4: 5-8.—**Worms, R.** La thérapeutique des maladies infectieuses en 1934. *Bull. gén. théor.*, 1934, 185: 381-6.—**Wright, A. E.** Traitement des infections bactériennes. *J. sc. méd. Lille*, 1925, 43: pt 2, 45-7.

— Treatment: Biological products.

See also **Antivirus; Bacteriophage; Bacteriophagy**, etc.

FAGARD, H. E. E. *Contribution à l'étude de la thérapeutique des maladies infectieuses par les injections intraveineuses de granules solubles [Paris] 56p. 8°. Villejuif, 1936.

SCHIEVER, L. *Les extraits leucocytaires dans le traitement des maladies infectieuses aiguës. 74p. 8°. Par., 1928.

SPICER & COMPANY. The endotoxic infections and their control with Edwenil. 109p. 8°. Glendale, Calif., 1934. Also 7. ed. 141p. 1935.

Agrelo, R. Resumen del uso de los extractos placentarios en las enfermedades infecto-contagiosas y su bibliografía. *Rev. méd. lat. amer.*, B. Air., 1936-37, 22: 1204-12.—**Baccarani, U.** Intorno alla cura delle malattie infettive con l'opoterapia surrenale. *Rass. clin. ter.*, 1924, 23: 191-5.—**Bayle, J. C.** Le traitement des maladies infectieuses par l'opothérapie des organes de défense. *Rev. gén. clin. théor.*, 1933, 47: 406.—**Le traitement des maladies infectieuses aiguës par l'opothérapie des organes de défense.** *Bull. Soc. méd. Paris*, 1934, 642-5.—**Boyce, F. F., Lampert, R., & McPetridge, E. M.** Bacteriophagy in the treatment of infections of the superficial and deep tissues, with a report of 200 cases. *N. Orleans M. & S. J.*, 1933, 86: 158-65.—**Cruchet, R.** Traitement du tétanos, de la diphtérie et des maladies neurotropes par la méthode phylactique. *Bull. Acad. méd.*, Par., 1931, 3. ser., 105: 208-16.—**De Candia, S., & Froila, E.** Ricerche sperimentali sull'azione dell'ormone corticale nelle infezioni acute. *Policlinico*, 1934, 41: sez. prat., 83-5.—**Felsenfeld, O.** L'application des globulines de placenta à quelques maladies infectieuses des enfants. *Arch. méd. enf.*, 1938, 41: 30-3.—**Gagyi, J.** Die Hormon-Vitaminbehandlung bei schweren Formen von Infektionskrankheiten. *Acta paediat.*, Upps., 1938, 22: 454-6.—**Gret, L. G.** El concepto y el tratamiento del bloque biológico en las infecciones agudas. *An. Fac. cienc. méd. La Plata*, 1937, 2: 117-25.—**Hartzell, T. B., & Larson, W. P.** Further observations on the detoxification of bacterial toxins. *J. Am. Dent. Ass.*, 1926, 13: 1147-50.—**Herbrand, W.** Die biologische Therapie des Infekts. *Fortsch. Ther.*, 1937, 13: 655-8. — Weiterer Beitrag zur experimentellen Begründung der Infekt-Therapie mit Nebennierenrindenhormon und Ascorbinsäure. *Internat. med. W. Schweiz* (1937) 1938, 3. Congr., 155-9.—**Kazeff, W. N.** Le bactériophage: applications, thérapeutiques et prophylactiques dans les maladies infectieuses. *Nature*, Par., 1937, 65: pt 1, 454-7.—**Lauber, H. J.** Hormonwirkung bei akuten Infektionen. *Beitr. klin. Chir.*, 1931-32, 154: 613-34.—**Lépinay, L.** Considérations sur l'emploi de lymphes dans le traitement des maladies infectieuses. *Rev. path. comp.*, Par., 1925, 25: 614.—**Lesné, E.** Existe-t-il une vitaminothérapie des maladies infectieuses? *Médecine*, Par., 1939, 20: 614-26.—**Peragallo, I., & Scuti, R.** Sull'azione combinata dell'ormone sessuale maschile e della vitamina E come stimolante i processi di difesa dell'organismo, negli stati infettivi. *Policlinico*, 1937, 44: sez. med., 639-4.—**Piermattei, G.** Nuovo contributo clinico alla cura delle malattie

infettive acute col timo-nucleinato di sodio. *Rass. clin. ter.*, 1933, 32: 434-43.—**Reitler, R.** Zum Ausbau der unspezifischen Therapie akuter Infektionskrankheiten mit Schilddrüsen-substanz. *Wien. med. Wschr.*, 1936, 86: 1054-6.—**Rice, T. B.** Infections treated with bacteriophage and antiviral filtrates. *J. Indiana M. Ass.*, 1928, 21: 93-7.—**Scholer, H. C.** The use of insulin in infections. *Clin. M. & S.*, 1938, 45: 476-9.—**Trombetta, C.** Osservazioni cliniche sulla cura delle malattie infettive acute con la leucoplasia Sersono. *Rass. clin. ter.*, 1933, 32: 105-14.

— Treatment: Chemotherapy.

See also **Chemotherapy; Disinfectant**; also names of chemical substances as **Acridine dyes; Arsenicals; Azo-compounds; Sulfanilamide**, etc.

BAUMEISTER, G. *Zur Chemotherapie der Pneumokokken- und Streptokokkeninfektion [Frankfurt] 23p. 20 $\frac{1}{2}$ cm. Gelnhausen, 1938.

BREUILLE, G. *La thérapeutique antiseptique dans les maladies infectieuses. 59p. 8°. Par., 1926.

BRINKMEIER [K. H.] M. *Die Verwendung des Trypaflavin in der Behandlung infektiöser Prozesse. 83p. 8°. Bonn, 1931.

KOPEL, I. M. *Traitement des infections superficielles des membres par les bains de chlorhydrate de diamino-méthylacridine. 40p. 8°. Par., 1937.

Barker, L. F. The chemotherapy of infectious diseases. *J. Oklahoma M. Ass.*, 1940, 33: No. 2, 6-11.—**Barnett, H. L.** Choice and dosage of chemotherapeutic agents for bacterial infections. *Illinois M. J.*, 1941, 79: 70-3.—**Barsky, A. S.** [Chemotherapy of bacterial infections] *Vrach. delo*, 1941, 23: 215-22.—**Bell, L. G.** Chemotherapy in bacterial infections. *Manitoba M. Ass. Rev.*, 1938, 18: 23-6.—**Beumer, H.** Zur Chemotherapie der Pneumonien und Meningokokkenmeningitis. *Zschr. ärztl. Fortbild.*, 1939, 36: 646-8.—**Bigger, J. W., & Browning, C. H.** Antiseptics in control of bacterial infections. *Brit. M. J.*, 1934, 2: 318.—**Borghi, B.** A quimioterapia das infecções bacterianas. *Resenha clin. cient.*, S. Paulo, 1941, 10: 95; passim.—**Bovet, D.** Recherches expérimentales dans le domaine de la chimiothérapie des infections bactériennes. *Schweiz. med. Wschr.*, 1937, 67: 288.—**Browning, C. H.** The value of antiseptics in the control of bacterial infections. *Brit. M. J.*, 1934, 2: 579-83.—**C., J.** La chimiothérapie des infections microbiennes. *Arch. méd. enf.*, 1939, 42: 383-9.—**Carlson, H. E.** Chemotherapy of bacterial infections. *Kansas City M. J.*, 1939, 15: 12-6.—**Catalanotti, V.** La chemioterapia antibatterica. *Rass. internaz. clin. ter.*, 1938, 19: 204-11.—**Chemotherapy in bacterial infections.** *Ind. M. Gaz.*, 1937, 72: 487.—**Chemotherapy (The)** of infectious diseases; some new synthetic remedies. *Pharm. J.*, Lond., 1935, 4. ser., 81: 385.—**Chemotherapy in infectious diseases and other infections;** S. G. O. Circular Letter No. 81, December 5, 1940. *Army M. Bull.*, 1941, 56: 34-48.—**Chemotherapy for infectious diseases and other infections;** circular letter No. 81. *War Med.*, Chic., 1941, 1: 55-65.—**Chemotherapy in infectious diseases and other infections** [circular letter, S. G. O.] *Ibid.*, 1942, 2: 466-81.—**Chemotherapy in infectious diseases and other infections** [circular letter, correction to paragraph 15a (2) (g) S. G. O.] *Ibid.*, 647.—**Chemotherapy in streptococcal and other infections.** *Annual Rep. Chief M. Off. Min. Health*, Lond. (1936) 1937, 178-82.—**Churchman, J. W.** Aniline dyes in the treatment of infections. *Clin. Med.*, 1926, 33: 153-8.—**Collier, W. A.** Neuere Ergebnisse der Chemotherapie bei Spirochätosen, Trypanosomen und Malaria. *Zbl. Hyg.*, 1931-32, 26: 705-28.—**Ueber Indexwerte bei der Chemotherapie bakterieller Infektionen.** *Zschr. Immunforsch.*, 1936, 87: 86-94.—**Debayle, L. H.** La saturation antiseptique, spécialement par la via epidémico-endémica, y sus aplicaciones en terapéutica á las enfermedades infecciosas. *Mem. Congr. méd. panamer.* (1896) 1898, 2. Congr., 1: 267-346.—**Diveley, R. L., & Harrington, P. R.** Chemotherapy in infections of the bones and soft tissues. *J. Am. M. Ass.*, 1941, 117: 1868-70.—**Domagk, G.** Ein Beitrag zur Chemotherapie der bakteriellen Infektionen. *Deut. med. Wschr.*, 1935, 61: 250-3. — Der derzeitige Stand der Chemotherapie der bakteriellen Infektionen. *Zschr. klin. Med.*, 1939, 136: 167-99. — Quimioterapia de las infecciones bacterianas. *Actual. méd.*, Granada, 1940, 16: 607-15.—**Domarus, A. von.** Chemotherapie der bakteriellen Infektionen. *Klin. Wschr.*, 1940, 19: 190-2 (microfilm). — Die Chemotherapie infektiöser Krankheiten. *Deut. med. Wschr.*, 1940, 66: 197-202.—**Dudgeon, L. S.** The treatment of acute bacterial infections with intravenous injections of perchloride of mercury and mercurochrome. *Lancet*, Lond., 1926, 1: 169-72.—**Espósito, A.** Contributo alla chemioterapia delle malattie infettive. *Minerva med.*, Tor., 1934, 25: pt 1, 625-7.—**F., V.** Progresos de la quimioterapia antibacterica. *Rev. sudamer. endocr.*, B. Air., 1939, 22: 546-51.—**Fleischmann, R.** [Specific and non-specific treatment of infections with Detoxin and Auro-Detoxin] *Bratisl. lek. listy*, 1937, 17: Suppl., 97-103.—**Flippin, H. F.** Chemotherapy of acute infections. *Med. Clin. N. America*, 1941, 25: 1799-812.—**Folkmar, E. C.** Use of anilin dyes in infections. *Clin. Med.*, 1925, 32: 285-90.—

- Fourneau, E.** L'évolution de la chimiothérapie antibactérienne. *Ann. Inst. Pasteur, Par.*, 1938, 61: 799-811.—**Frank** [Chemotherapy of bacterial infections] *Bull. Soc. turque méd.*, 1941, 7: 32-56.—**Fredet.** Les injections intra-artérielles de mercurochrome dans le traitement des infections des membres. *P. verb. Congr. fr. chir.*, 1935, 44: 1174-8.—**Fusco, G.** Tentativi di chemioterapia per via cutanea nella tripanosomiasis sperimentale, nella febbre recorrente e nella sifilide. *Riforma med.*, 1924, 40: 29.—**Gabel, U. O., & Grinberg, F. L.** [New methods of chemotherapy in bacterial diseases] *Vrach. delo*, 1939, 21: 6-10.—**Garrod, L. P.** The chemotherapy of bacterial infections. *Lancet, Lond.*, 1938, 1: 1125; 1178. Also *Nurs. Times, Lond.*, 1942, 38: 779.—**Gaucher, L.** La chimiothérapie anti-infectieuse par imprégnation, un antiseptique à deux éléments en synergie. *Bruxelles méd.*, 1937-38, 18: 746.—**Gsell, O.** Quimioterapia das doenças infecciosas com o Cibazol. *Actas Ciba, Rio*, 1941, 8: 216.—**Halberszadt, J.** [Modern chemotherapy of bacterial diseases] *Warsz. czas. lek.*, 1938, 15: 483; 508; 534; 558; 579.—**Harkness, A. H.** Drug-fast bacteria. *Lancet, Lond.*, 1941, 2: 296.—**Hartmann, A. F.** Chemotherapy of acute infections. *J. Pediatr., S. Louis*, 1941, 19: 686.—**Heubner, W.** Chemotherapie von Infektionskrankheiten. *Klin. Wschr.*, 1940, 19: 265; 289 (microfilm).—**Domarus.** Die chemische Behandlung infektiöser Erkrankungen. *Med. Klin., Berl.*, 1940, 36: 117 [Discussion] 150-2 (microfilm).—**Heubner, W., Domarus, von [et al.]** Ueber die chemische Behandlung von Infektionskrankheiten. *Med. Welt*, 1940, 14: 541-3.—**Hilgermann, R.** Die Chemotherapie der bakteriellen Infektionen. *Med. Klin., Berl.*, 1941, 37: 167-9.—**Hlasko, F.** [Chemotherapy of infections occurring in surgery, gynecology and obstetrics] *Med. prakt., Poznań*, 1938, 12: 253-64.—**Hoerlein, H.** The development of chemotherapy for bacterial diseases. *Practitioner, Lond.*, 1937, 139: 635-49.—**Jacobs, W. A.** Certain aspects of the chemotherapy of protozoan and bacterial infections. *Medicine, Balt.*, 1924, 2: 165-93.—**Jong, K. de** [Chemotherapy in bacterial infections] *Geneesk. gids*, 1927, 16: 1442-5.—**Keefer, C. S.** The present status of chemotherapy in the treatment of infections. *Abstr. Proc. Ass. Life Insur. M. Dir. America*, 1940, 27: 85-124. Also *Proc. Internat. Postgrad. M. Ass. N. America* (1940) 1941, 52-5.—**Chemotherapy in infectious diseases.** *J. Michigan M. Soc.*, 1942, 41: 305-11.—**Kilduffe, R. A.** Concerning the dye therapy of acute infections. *J. M. Soc. N. Jersey*, 1928, 25: 13-6.—**Kleinschmidt, H.** A chimiotherapia nas infecções bactericas da infância. *Med. germ., Rio*, 1940, 9: 365-70.—**Leake, C.** Chemotherapy of bacterial diseases. *Pacific Coast M.*, 1940, 7: No. 2, 14-7.—**Lemierre, A.** Notes sur l'emploi de la trypaflavine dans le traitement des infections graves. *Paris méd.*, 1925, 57: 471-6.—**Levaditi, C.** La chimiothérapie des infections microbiennes; son mécanisme d'action. *Schweiz. Zschr. allg. Path. Bakt.*, 1938, 1: 365-406.—**Reflexions sur le passé, le présent et l'avenir de la chimiothérapie des maladies microbiennes.** *Presse méd.*, 1938, 46: 572-5.—**Vaisman, A.** La chimiothérapie antiendotoxique et son mécanisme. *C. rend. Soc. biol.*, 1938, 128: 463-5.—**Lipkin, I. J.** The chemotherapy of acute bacterial infections. *Dent. Rec.*, Lond., 1941, 61: 197-202.—**Long, P. H.** Chemotherapy of certain bacterial diseases. *Am. J. Nurs.*, 1937, 37: 945-50.—**Clinical bacterial chemotherapy; results obtained and dangers encountered.** *Diplomate*, 1940, 12: 283-5.—**Lukantzev, L. S.** [Chemotherapy of infectious diseases and accompanying manifestations] *Radianska med.*, 1940, 5: No. 10, 83-6.—**Marshall, E. K., Jr.** The present status and problems of bacterial chemotherapy. *J. Bact., Balt.*, 1940, 39: 25. Also *Science*, 1940, 91: 345-50.—**Experimental basis of chemotherapy in the treatment of bacterial infections.** *Bull. N. York Acad. M.*, 1940, 16: 723-31.—**Bacterial chemotherapy.** *Annual Rev. Physiol.*, 1941, 3: 643-70.—**Martin, A. R.** The chemotherapy of bacterial infections. *Vet. Rec., Lond.*, 1941, 53: 729.—**Melnotte, P., & Thomas, M.** La chimiothérapie antibactérienne. *Rev. méd. Nancy*, 1939, 67: 507-30.—**Mietzsch, F.** Zur Chemotherapie der bakteriellen Infektionskrankheiten. *Ber. Deut. chem. Ges.*, 1938, 71: Abt. A, 15-28.—**Miller, J. K.** Laboratory service in the control of the chemotherapy of infection. *Annual Rep. N. York State Dep. Health*, 1941, 47.—**Mingojia, Q.** Quimioterapia antibacteriana; relatório semestral [1939-41] *Arq. biol., S. Paulo*, 1940, 24: 49-64; 1941, 25: 77-91; 275-89.—**Moshkovsky, S. D., & Stoianova, A. V.** [Relation of the chemotherapeutic effect to the course of infection; relation of the efficacy of chemotherapeutic intervention to the duration of the preceding period of correlation of macro- and microorganisms] *Bull. eksp. biol. med.*, 1940, 9: 280-3. Also *Bull. biol. méd. exp. URSS*, 1940, 9: 349-52.—**Nitti, F., Bovet, D., & Tréfouël, J.** Etude expérimentale de quelques dérivés nouveaux sur les streptocoques et les pneumocoques. *Ann. Inst. Pasteur, Par.*, 1938, 61: 811.—**Oesterlin, M.** Zur Chemotherapie der Infektionskrankheiten. *Klin. Wschr.*, 1935, 14: 1682-4. Also *Zschr. Hyg.*, 1936, 118: 263-306.—**Olbycht, J.** [On certain infectious diseases and chemotherapy] *Polska gaz. lek.*, 1939, 18: 332.—**Opitz, H.** Die chemische Behandlung infektiöser Erkrankungen in der Kinderheilkunde. *Deut. med. Wschr.*, 1940, 66: 205-8.—**Orestano, G.** Mezzi chemioterapici antibatterici. *Med. ital.*, 1939, 20: 165-85.—**Osgood, E. E., Brownlee, I. E. [et al.]** The comparative effectiveness of arsenical compounds and sulfonamide drugs against bacterial infections. *J. Clin. Invest.*, 1942, 21: 640.—**Peters, B. A., Woodman, D., & Lewis, F. J. W.** Chemotherapy in fever hospital practice. *Med. Off.*, Lond., 1939, 62: 55-7.—**Quimioterapia (La)** en el tratamiento de las enfermedades infecciosas e infecciones en general. *Rev. méd. Chile*, 1941, 69: 395-400.—**R.** Quimioterapia de las infecciones agudas. *Dia. méd., B. Air.*, 1942, 14: 392-4.—**Raydin, I. S.** The role of chemotherapy in the prevention and control of spreading infections. *West Virginia M. J.*, 1941, 37: 549-56.—**Rogers, J. A.** Chemotherapy in infectious diseases and other infections. *Army M. Bull.*, 1942, No. 61, 36-9.—**Schlossberger, H.** Chemotherapie der Infektionskrankheiten. In *Spec. Path. Ther. inn. Krankh.* (Kraus, F., & Brugsch, T.) *Berl.*, 1927, 11: 743-866.—**[General principles of chemotherapy in infectious diseases]** *Orv. hetil.*, 1938, 82: 281-5.—**Noções gerais sobre a quimioterapêutica das enfermidades infecciosas.** *Hora med.*, Rio, 1939, No. 19, 45; 1940, No. 23, 49.—**Entwicklung, Wesen und Möglichkeiten der Chemotherapie bakterieller Infektionen.** *Zbl. Bakt.*, 1. Abt., 1939, 144: Beih., 196-206 [Discussion] 233-5.—**Schnücke, R.** Advances in chemotherapy and particularly the chemotherapy of bacterial infections. *Vet. Bull., Lond.*, 1941, 11: 798.—**Schulemann, W.** Zur Bedeutung der Farbstoffe für die experimentelle Therapie von Infektionskrankheiten. *Kolloid Zschr.*, 1938, 85: 219-22.—**Sindbjerg-Hansen, V.** Anwendung von Mucin-Infektionen bei chemotherapeutischen Untersuchungen; Versuche mit Meningokokken, *B. coli*, *B. typhi* und *B. paratyphenteriae*. *Acta path. microb. scand.*, 1942, 19: 165-72 (microfilm).—**Siqueira, A. L. de.** Quimioterapia a infecção. *Brasil med.*, 1940, 54: 409.—**Smith, F.** Bacteriologic aspects of chemotherapy. *Arch. Otolaryng.*, Chic., 1942, 35: 991.—**Steege, A., Santibañez, C. [et al.]** Experiencia clínica sobre ciertos agentes quimioterápicos en algunas enfermedades infecciosas de la infancia. *Rev. chilena pediat.*, 1942, 13: 139-66.—**Stuken, B. D.** [New achievements in chemotherapy of infections] *Vrach. delo*, 1937, 19: 588-92.—**Tecoz, R. M.** De quelques agents anti-infectieux nouveaux. *Praxis, Bern*, 1937, 26: 285-9.—**La chimiothérapie des infections bactériennes.** *Ibid.*, 1939, 28: 59-62.—**Thompson, A. R.** Chemotherapy and acute specific fevers. *Practitioner, Lond.*, 1940, 144: 52-9.—**Greenfield, C. R. M.** Chemotherapy in measles and whooping-cough; prophylaxis and treatment of complications. *Lancet, Lond.*, 1938, 2: 991-4.—**Urbino, G.** Le traitement chimiothérapique de la tuberculose et de la lèpre. *Presse méd.*, 1925, 23: 1332-4.—**Walker, E. L., Sweeney, M. A., & Freeland, B. L.** Chemotherapy of bacterial infections; the specific relation between chemical constitution and kind of bacterial infection. *J. Pharm. Exp. Ther.*, 1931, 42: 17-25.—**Weber, G., & Kemkes, B.** Zur Chemotherapie nach Hilgermann. *Zschr. ges. exp. Med.*, 1939, 105: 23-8.—**Wegner, E. S.** Chemotherapy in the acute communicable diseases. *Nebraska M. J.*, 1942, 27: 47-50.—**Whitby, L.** Chemotherapy of bacterial infections. *Lancet, Lond.*, 1938, 2: 1095-103.—**Young, H. H.** Intravenous chemical sterilization of local and general infections. *Tr. South. Surg. Ass.* (1925) 1926, 38: 373-413.—**The sterilization of local and general infections; experimental and clinical evidence of results obtained by intravenous injection of mercuriochrome-220 soluble.** *J. Am. M. Ass.*, 1926, 87: 1366-73.
- **Treatment: Diet and vitamins.**
- See also **Infection, Susceptibility.**
- GERLACH, E.** *Experimentelle Studien über die Einwirkung von Diät auf den Heilungsverlauf von künstlich gesetzten Infektionen. 31p. 8°. Rostock, 1931.
- GUÉDÉ, M.** *L'alimentation des nourrissons au cours des infections. 96p. 8°. Par., 1932.
- HAUCH, F.** *Beitrag zur Kenntnis der diätetischen Behandlung von Infektionskrankheiten und anderes im 17. und 18. Jahrhundert. 33p. 8°. Erlangen, 1930.
- STERN, J.** *Die hippocratische Diätetik bei akuten Infektionskrankheiten [Erlangen] 18p. 8°. Düsseldorf, 1934.
- Beretevide, E. A.** La dietética en los procesos agudos infecciosos de la primera infancia. *Actas Congr. nac. med.*, B. Air. (1931) 1932, 4. Congr., 4: 254-62. Also *Presna méd. argent.*, 1931-32, 18: 846-51.—**Cowell, S. J., Chick, H. [et al.]** Discussion on nutrition and its effects on infectious disease. *Proc. R. Soc. M.*, Lond., 1936-37, 30: 1039-52.—**Dennig, H., & Breitzke, L.** Ueber instinktgemäße Ernährung bei akut fieberhaften Erkrankungen. *Hippokrates, Stuttg.*, 1939, 10: 31-3.—**Doxiades, L.** Diätetische Therapie akuter und chronischer Infektionskrankheiten im Kindesalter. *Zschr. ärztl. Fortbild.*, 1938, 35: 193-6.—**F., C.** L'alimentation dans les maladies infectieuses aiguës. *J. prat., Par.*, 1938, 52: Suppl., 2014-7.—**Finkelstein, H.** Ueber diätetische Nährbodenänderung in der Therapie infektiöser Erkrankungen. *Münch. med. Wschr.*, 1926, 73: 439.—**Flamini, M.** Le vitamine liposolubili (A+D) nella cura delle malattie infettive dell'infanzia. *Pediatrica (Riv.)* 1931, 39: 1282-97.—**Friedrich, K.** Versuche einer diätetischen Umstimmung bei Infektionskranken. *Münch. med. Wschr.*, 1932, 79: 866-8.—**Gröer, F. von.** Ernährungsversuche bei infektionskranken Kindern; über die Durchführung quantitativer Ernährungstherapie der akuten Infektionskrankheiten. *Zschr. Kinderh.*, 1919, 23: 125-220.—**Kapferer, R.** Nahrungsentziehung als Therapie bei akuten fieberhaften Infektionskrankheiten im Kindesalter. *Hippokrates, Stuttg.*, 1938, 9: 45-8.—**Kutschera-Aichbergen, H.**

Diätetik bei Infektionskrankheiten. Wien. klin. Wschr., 1939, 52: 1033-6.—**Laubner, H. J.** Die Beeinflussung akuter Infektionen durch Vitamine. Beitr. klin. Chir., 1933, 158: 633-7.—**Lesné, E.** Existe-t-il une vitaminothérapie des maladies infectieuses? Bull. gén. théor., 1935, 186: 303-12.—**Liebau, G., & Schneller.** Fastenstöße bei Scharlach- und Diphtheriekomplikationen. Münch. med. Wschr., 1939, 86: 1227-9.—**Mas, P., & Bert, J. M.** L'alimentation dans les maladies infectieuses aiguës. Montpellier méd., 1938, 3, sér., 14: 177-91.—**Medvedev, A. M.** [Calcium in the food rations of patients in the Moskva Clinical Scientific Experimental Institute for Infectious Diseases] Sovet. vrach. J., 1938, 42: 369-76.—**Menshikov, V. K.** [Alimentation of children in cases of acute infections] Tr. Vsesoyuz. sessia detisk. vrach. (1927) 1929, 4: 133-41.—**Meyer, L.** Ueber die Fieberdiät bei Kindern (Infektnahrung) Münch. med. Wschr., 1936, 83: 1057.—**Pemberton, H. S.** Adequate feeding in acute infections and similar conditions. Practitioner, Lond., 1935, 135: 348-51.—**Razetti.** La leche en la dietética de las enfermedades infecciosas. Gac. méd. Caracas, 1924, 31: 257.—**Schall, H.** Die Diätetik bei Infektionskrankheiten. Deut. med. Wschr., 1926, 52: 1512-4.—**Schwarz, L.** Der Einfluss der Ernährung auf die Zellreaktionen bei Infektionen der weissen Maus (experimenteller Beitrag zur Pyuriefrage) Virchows Arch., 1927, 266: 151-84.—**Schwarzenberg, L. J.** De las infecciones agudas en el lactante y en el pre-escolar; la deshidratación celular interna y la dieta hipercarburada. Arch. lat. amer. pediat., B. Air., 1927, 3, sér., 21: 554; 631.—**Schwenkenbecher, A.** Diätbehandlung bei chronischen Infektionskrankheiten. Balneologe, 1935, 2: 111-7.—**Sporl, H. J., & Pongratz, R.** Ueber den Einfluss des Vitamins C auf infektiöse Leukozytosen. Klin. Wschr., 1936, 15: 1639-41.—**Szirmai, F.** [Vitamin C treatment in acute, infectious diseases] Orv. hetil., 1939, 83: 961.—**Terapia (La)** vitaminica nel trattamento delle malattie infettive. Terapia, Milano, 1937, 27: 110-2.—**Topley, W. W. C., Greenwood, M., & Wilson, J.** The effect of diet in epidemic infections in mice. J. Path. Bact., Edinb., 1931, 34: 163-76.—**Zambrano, E.** Regimi alimentari nelle malattie infettive del bambino. Pediatria (Riv.) 1937, 45: 940-50.

Treatment: Drugs.

Armitage, G., Gordon, J. [et al.] The use of a new quinoline derivative in the treatment of infection. Lancet, Lond., 1929, 2: 968-71.—**Bogart, L. M.** Urea: its use in infections. J. Michigan M. Soc., 1937, 36: 285-7.—**Bornhaupt, N. von.** Erfahrungen mit Phlogetan bei der Behandlung akuter Infektionen. Wien. klin. Wschr., 1923, 36: 851.—**Brinkmann, J.** Die Hexal-(Neohexal)-Wirkung bei Infektionskrankheiten. Münch. med. Wschr., 1924, 71: 298-300.—**Capiel, C. R.** Tratamiento de las infecciones agudas por el carbón endovenoso. Dia méd., B. Air., 1935, 7: 1093.—**Castagna, P.** La terapia a base di nucleine e radicali fenilici nelle malattie infettive. Riv. med., Milano, 1925, 33: 21-3.—**Chakravarti, A., & Basu, U. P.** On the choice of drugs in the treatment of bacterial infections. Ind. M. Gaz., 1941, 76: 101-5.—**Cunningham, J. C.** The use of tincture of iodine in the treatment of malaria and syphilis. J. Arkansas M. Soc., 1923-24, 20: 193.—**Démarez.** Emploi du carbone intra-veineux dans le traitement des infections. Echo méd. nord, 1934, 3, sér., 2: 411-3.—**Heister, A.** Erfolgreiche Behandlung schleicher Infektionen mit Kaffeebohle. Hippokrates, Stuttg., 1938, 9: 1114-6.—**Hennekinne, A., & Seldeslachts, A.** Sur l'action préventive ou curative de l'hexaméthylène-tétramine et du sérum de lait dans les infections par B. pyocyaneum ou B. typhi murium chez la souris. Rev. belge sc. méd., 1931, 3: 1045-52.—**Howell, W. I.** Hydrochloric acid injections in acute infections. Med. World, 1935, 53: 42.—**Redkok, M. N., & Putning, M. R.** [Pilocarpine in infectious diseases] Sovet. vrach. gaz., 1932, 36: 805.—**St. Jacques, E.** Intravenous injections of animal charcoal in the treatment of varied infections: a clinical and experimental study. Canad. M. Ass. J., 1934, 31: 168-71. Also Med. Rec., N. Y., 1935, 141: 14-7. — Une thérapeutique nouvelle des infections aiguës par le carbone intraveineux. Bull. Acad. méd., Par., 1935, 3, sér., 114: 227-39. Also Athena, Roma, 1937, 6: 154-6. — Anthracotherapy; a new therapy in the treatment of acute infections. Internat. Clin., 1938, n. sér., 2: 203-16.—**Schotter, H.** Zur Causyth-Therapie akuter Infektionskrankheiten. Wien. med. Wschr., 1938, 88: 695-7.—**Schulemann, W.** Die Behandlung von Infektionskrankheiten durch Arzneistoffe im Laboratorium und in der Praxis. Schweiz. med. Wschr., 1941, 71: 1375.—**Sternberg, M.** Zur Therapie akuter Infektionskrankheiten. Wien. med. Wschr., 1928, 78: 375-9.—**Tamburri-Santoro, T.** Il trifenil nelle malattie infettive. Med. nuova, 1927, 18: 231-4.—**Thérapeutique (La)** iodée dans les maladies infectieuses. Monde méd., 1923, 33: 666-71.—**Thoma, E.** Experimentelle und klinische Beobachtungen zur Kieseläsuretherapie bei akuten und chronischen Infektionskrankheiten. Verb. Deut. Ges. inn. Med., 1922, 34. Kongr., 544. Also Münch. med. Wschr., 1922, 69: 1603. Also Deut. Arch. klin. Med., 1922-23, 141: 175-95.—**Tonello, C.** La terapia arsenicale nelle malattie infettive. Minerva med., Tor., 1924, 4: 894-7.—**Touraine, A., & Ménétrel, B.** Une nouvelle thérapeutique anti-infectieuse: le carbone intraveineux. Presse méd., 1934, 42: 1997.—**Videla, C. A., Fariña, J., & Potrida, O.** La acidoterapia en los estados infecciosos. Prensa méd. argent., 1939, 26: pt 2: 174-9.—**Videla, C. A., Saenz, A. E., & de Madariaga, M.** El veritol en los procesos infecciosos. Ibid., 1938, 25: 452-6.—**Wallbach, G.** Ueber Einwirkungen von Benzol und von Thorium X auf einige

Infektionsprozesse. Fol. haemat., Lpz., 1933, 49: 241-67.—**Waller, W. E.** Treatment of superficial infections by nascent iodine. Lancet, Lond., 1931, 1: 185.

Treatment: Hemotherapy.

See also Blood transfusion, Indications; Hemotherapy.

FEIGE [M. E.] I. *Bluttransfusionen bei Infektionskrankheiten. 37p. 21cm. Bresl., 1937.

LUNDBERG, H. *Experimentelle Untersuchungen über Phylactotransfusionen. 190p. 8° Upps., 1938.

Also Upsala läk. fören. förh., 1938, 44:

A., M. La transfusión sanguínea en las infecciones de la infancia. Dia méd., B. Air., 1940, 12: 545.—**Bogomolets, A. A.** [Mechanism of therapeutic action of blood transfusion in infectious diseases] J. méd., Kiev, 1937, 7: 685-95. Also Ter. arkh., 1937, 15: 754-7. Also Acta med. URSS, 1938, 1: 463-6. Also Sang. Par., 1938, 12: 450-5.—**Bourgault, E.** Une conception nouvelle du mode d'action de la transfusion sanguine dans les maladies infectieuses. J. Hôtel-Dieu Montréal, 1936, 5: 200-5.—**Bürkle-de la Camp, H.** Ueber die Behandlung der Allgemeininfektionen mit Bluttransfusion. Deut. Zschr. Chir., 1931, 231: 237-42.—**Diliberto, U.** La trasfusione di sangue nelle malattie infettive. Morgagni, 1935, 77: 1095-7.—**Donhaier, A.** [Indications and results of blood transfusion in infectious diseases] Polska gaz. lek., 1939, 18: 571-3.—**Fedorovsky, O. O.** [Blood transfusion in infectious diseases] Radianska med., 1940, 5: No. 6, 29-32.—**Ferloni, A. V. J.** La hemoterapia preventiva en las enfermedades infecciosas; significado y resultados obtenidos en el sarampión y en la fiebre urliana. Rev. san. mil., B. Air., 1940, 39: 1005-24.—**Fleming, R. A., Graham, J. M., & Logan, W. R.** Three cases of severe infection treated by immunotransfusion. Tr. Med. Chir. Soc. Edinburgh, 1925-26, 105. Sess., 105-16.—**Garry, G.** Die Benutzung von nichtpassendem Blut als therapeutisches Mittel bei Infektionen. Arch. klin. Chir., 1931, 166: 780-93.—**Jeanneney, G., & Castanet, L.** Traitement des grandes infections par la cataphylactotransfusion. Monde méd., 1939, 49: 845-53.—**Kirschenblatt, D., & Nasarjan, B.** Die Eigen blutbehandlung bei Infektionskrankheiten, insbesondere Flecktyphus. Arch. Schiffs Tropenhyg., 1924, 28: 403-6.—**Krueger, A. P., & Fuendeling, M. J.** The use of whole blood from immunized donors in the treatment of acute infections. Urol. Cut. Rev., 1940, 44: 367-70.—**Lipinski, W.** [Value of blood transfusion in acute, infectious diseases] Polska gaz. lek., 1938, 17: 269.—**Apperman, K.** [Blood transfusion in acute, infectious diseases] Polsk. arch. med. wewn., 1938, 16: 480-2.—**Melfi, J.** Immunohemoterapia y hemovacunoterapia en las enfermedades infecciosas. Sem. méd., B. Air., 1926, 33: pt 2, 853-7.—**Oefelein, F.** Novagin-Chinin, ein neues Kombinationspräparat zur Behandlung akuter Infektionskrankheiten. Deut. med. Wschr., 1935, 61: 597.—**Orozco, D. V.** La hemoterapia en los estados toxoinfecciosos de la infancia. Sem. méd., B. Air., 1942, 49: pt 2, 144-7.—**Ringenbach, G.** Diphthérie, scarlatine et rhumatisme articulaire aigu; transfusion banale; guérison. J. méd. Bordeaux, 1937, 114: 740-5.—**Tzack, A.** La transfusion sanguine dans les maladies infectieuses. Presse méd., 1935, 43: 1776. Also Rinasc. med., 1935, 12: 497.—**Videla, C. A.** La immunotransfusión en los procesos infecciosos; su valor terapéutico. Prensa méd. argent., 1939, 26: 295-300.—**Wasserman, M. F.** [Clinical observations in blood transfusion in acute infections] Sovet. med., 1941, 5: No. 12, 38.—**Zalewski, F.** [Blood transfusion in general infections] Polska gaz. lek., 1937, 16: 276-8.

Treatment: Metals.

Angarano, D. Esperienze col rodio colloidale nella terapia specifica delle malattie infettive. Rinasc. med., 1936, 13: 696-8, pl.—**Frommelt, E., & Scholz, G.** Klinische Goldbehandlung schwerer Infekte. Deut. med. Wschr., 1939, 65: 748-50.—**Idé, M.** Spécifics antimicrobiens: métalothérapie. Rev. méd., Louvain, 1930, 241-9.—**Jentsch, W.** Heilung infektiöser, insbesondere septischer Erkrankungen durch Wismut. Fortsch. Ther., 1927, 3: 695.—**Landé, K.** Die günstige Beeinflussung schleicher Dauerinfekte durch Solganal. Münch. med. Wschr., 1920, 74: 1132-4.—**Liati, L.** Concetti di terapia delle malattie infettive acute e croniche con i metalli colloidali. Athena, Roma, 1934, 3: 359-61.—**Lunde, M.** [Metal salt treatment by Walbum's method at the Lyster sanatorium; 220 cases] Ugeskr. læger, 1929, 91: 385.—**Lyding, H.** Ueber den therapeutischen Einfluss von Metallsalzen auf Infektionskrankheiten. Klin. Wschr., 1929, 8: 553. — Ueber therapeutische Versuche mit Metallsalzen bei experimentellen Infektionen. Zschr. ges. exp. Med., 1930, 71: 554-65.—**Neergaard, K. von.** Ueber die Brauchbarkeit der Metalltherapie bei Infektionskrankheiten. Deut. med. Wschr., 1926, 52: 1509-12.—**Rho, F.** Cupric and cyanocupric preparations in the therapy of tuberculosis and leprosy. J. Trop. M. Hyg., Lond., 1924, 27: 315-21.—**Serono, C.** La terapia cuprica della tubercolosi e della lebbra. Rass. clin. ter., 1922, 21: 177-84.—**Uhlenhuth & Seiffert.** Entwicklung und praktische Ergebnisse der modernen Antimontherapie bei Infektionskrankheiten. Zbl. Bakt., 1. Abt., 1931, 122: 51-4.—**Vaccarezza, R. A.** El

colargol en las enfermedades infecciosas. Rev. As. méd. argent., 1923, 36: Sect. Soc. med. intern., 39-54.—Walburn, L. E. [Metal salt therapy] Ugeskr. læger, 1927, 89: 612. —Metallsaltherapie mit kleinen optimal wirkenden Dosen. Zschr. ges. Neur. Psychiat., 1927, 110: 493-503.

Treatment: Methods.

Batchelor, R. C. L. Modern therapy in specific infections. Edinburgh M. J., 1940, 47: 601-15. Also Edinburgh Postgrad. Lect. (1940-41) 1942, 2: 495-509.—Bezdek, C. Ethicothérapie et maladies infectieuses. Bull. méd., Par., 1938, 52: 906-11.—Bier, A. Erzeugung von Immunität und Heilung schwerer Infektionen durch das Glühisen und durch Arzneimittel. Verh. Berl. med. Ges. (1928) 1929, 59: 2. Teil, 1-28. Also Med. Klin., Berl., 1928, 24: 201; 246; 281.—Bösser, F. Natur- und Kunstheilung der Grippe, sowie akuter Infektionskrankheiten im allgemeinen. Fortsch. Med., 1923, 41: 96-110.—Braude, I. R. [Sugar therapy in infections (dextrose and invert sugar)] Vrach. delo, 1931, 14: 1150.—Breuer, L., & Orou, F. Intravenöse Alkoholinjektionen bei Infektionskrankheiten. Wien. med. Wschr., 1935, 85: 868; 898.—Brewer, J. S. The role of insulin, glucose and blood therapy in the infections. South. M. & S., 1926, 88: 72-4.—Bruch, O. M. Richtlinien zur Behandlung von Infektionskrankheiten. Mschr. Elektr. Kompl. Homöop., 1933, 125-8.—Bucica, I. [Impregnation, infiltration or deep antiseptic of the tissues] Rev. san. mil., Bucur., 1929, 23: 426.—Castro Muniz de Aragão, R. de. Panorama da quimioterapia antimicrobiana; sulfanilamidoterapia, soroterapia e vacinoterapia. Resenha med., Rio, 1941, 8: 275-83.—Clunie, T. The conservative treatment of acute infections. Native M. Pract., Suva, 1940, 3: 498-502.—Cochran, J. R., jr. An improved method of applying moist heat to infected extremities. J. Am. M. Ass., 1939, 112: 2039.—Dab, N. [New methods in treatment of infections] Polska gaz. lek., 1938, 17: 573.—Denslow, J. S. A discussion of osteopathic principles and technic used in the management of acute infections. J. Osteopathy, 1941, 48: No. 11, 20-3.—Dos Santos, R. Les injections artérielles avec stase dans la thérapeutique des infections. Mém. Acad. chir., Par., 1937, 63: 1398-406. Also Med. contemp., Lish., 1938, 56: 1-4.—Dufour, H. Notions générales sur la thérapeutique des maladies infectieuses par le choc, l'abcès de fixation, la vaccinothérapie. Médecine, Par., 1922-23, 4: 181-6.—Edelmann, A., & Müller-Deham, A. von. Neue therapeutische Versuche bei allgemeinen und lokalen Infektionen. Deut. med. Wschr., 1913, 34: 2292.—Emery, R. L. Some infection remedies. J. Am. Inst. Homeop., 1940, 33: 285-7.—Enders, A. Vitamin C als Heilmittel gegen Infektionen [Discussion] Münch. med. Wschr., 1939, 86: 822.—English, R. F. Points in the treatment of acute infectious diseases. J. Am. Osteop. Ass., 1923-24, 23: 76.—Ewig, W. Naturheilerische Behandlung der akuten Infektionskrankheiten im Rahmen der Gesamtmedizin. In Natürl. Heilweise (C. Adam) Jena, 1938, 273-86.—Ferrata, A., & Bouri, G. Terapia vaccinale e terapia specifica nelle malattie infettive. Gior. clin. med., 1934, 15: 1501-11.—Forster, E. Die Behandlung infektiöser Prozesse mit dem Verfahren nach Bier. Praxis, Bern, 1930, 19: H. 6, 1-3.—Freund, R. A clinical-pharmacological contribution for the treatment of infectious diseases. Harefuah, Tel Aviv, 1937, 13: No. 4, 1.—Goubarev, A. P. [Continuous irrigation of infected centers] Klin. med., Moskva, 1926, 313-8.—Gruskin, B. Therapeutic agent for use in the treatment of infection. U. S. Patent Off., 1938, No. 2,120,667.—Gundel. Ueber Fortschritte auf dem Gebiet der spezifischen Prophylaxe und Therapie bakterieller Infektionen. Wien. med. Wschr., 1941, 91: 89.—Hoff, A. Beitrag zur Behandlung der Infektionskrankheiten im Sinne der Naturheilkunde. Hippokrates, Stuttg., 1936, 7: 810-6.—Ireland, R. D. Hypertonic salt solution in the treatment of superficial infections. J. Kansas M. Soc., 1927, 27: 153.—Keefe, F. M. Treatment of infections of the face and neck. J. Iowa M. Soc., 1938, 28: 603-6.—Kottmann, W. Ueber Behandlung schwerer Infektionen durch das Glühisenverfahren nach Bier, sowie über Fälle von galliger Peritonitis ohne Perforation und von Stauungsgallenblase. Schweiz. med. Wschr., 1930, 60: 1082-4.—Läwen, A., & Müller, W. Untersuchungen über die Möglichkeiten, bei intravenösen Infektionen Einfluss auf die Metastasenbildung zu gewinnen. Deut. Zschr. Chir., 1930, 227: 27-47.—Larieux. Essai d'emploi des injections d'oxygène gazeux au cours des infections. Rev. path. comp., Par., 1915, 15: 328.—Le Guyon, R. F. Ahcés de fixation dans diverses maladies infectieuses expérimentales. C. rend. Soc. biol., 1931, 108: 43.—Leriche, R. A propos de la thérapeutique par voie artérielle dans les infections et en dehors de l'infection. Mém. Acad. chir., Par., 1938, 64: 220-4.—A propos de la thérapeutique des infections par voie intra-artérielle. Ibid., 1940, 66: 47-53.—Lesbre, P. Neutralisation des toxines par l'ozone; ozonothérapie et toxinfusions. Rev. path. comp., Par., 1940, 40: 55-60.—Levy, S. Ein neuer Weg zur Behandlung von Infektionskrankheiten. Münch. med. Wschr., 1928, 75: 516.—Lowell, H. M. A new method of treating infections. Tr. Ass. Physicians Mayo Clin. (1925) 1926, 6: 219-25.—Macgregor, A. S. M. Homeopathic treatment in fever hospitals. Med. Off., Lond., 1935, 53: 75-7.—Magidson, O. U. [New means in treatment of bacterial diseases] Farmatsia, Moskva, 1939, No. 4, 7-16.—Martini, F. Contributo alle medicazioni antimicrobiche. Cult. med. mod., Pal., 1925, 4: 246-50.—Memmo, G. Nuovo indirizzo nella terapia di alcune malattie infettive. Gior. med. mil., 1924, 72: 91-101.—Mistretta, B. Di un nuovo metodo di cura delle

malattie infettive acute. Policlinico, 1937, 44: sez. prat., 2287.—Pierret, R. A propos de quelques acquisitions thérapeutiques récentes dans les infections microbiennes. Bull. gén. théor., 1924, 175: 22; 71; 114.—Prince, H. E. The management of infections in allergic patients. Med. Rec., Houston, 1938, 32: 831-4.—Puleo, G. Splenoprognosi e splenoterapia nelle malattie infettive acute. Policlinico, 1936, 43: sez. prat., 97-107.—Renner, J. Bakterienadsorption und Adsorptivdesinfektion unter spezieller Berücksichtigung der Chlorsilber-Kieselsäure. Zschr. Hyg., 1928, 109: 1-25.—Richey, H. E. Modern therapy of common blood stream infections. Kentucky M. J., 1940, 38: 102-10.—Saxl, P. Ueber medikamentöse Ansäuerung bei Infektionskrankheiten. Mschr. Kinderh., 1929, 44: 363-70.—Schiassi, B. La iperemizzazione edemizante intervallare quale trattamento di talune infezioni. Policlinico, 1934, 41: sez. chir., 470-502.—Schlevogt, E. Erfahrungen mit naturgemässer Behandlung bei 523 fieberhaft Kranken. Med. Welt, 1938, 12: 1776; 1812.—Stanley-Jones, H. Intramuscular injections of nadola in local infections. Med. Press & Circ., Lond., 1940, 204: 464.—Stoeltzner, W. Behandlung der Infektionskrankheiten durch Ausschaltung unspezifischer Reize. Kinderärztl. Prax., 1939, 10: 4-6.—Tabanelli, M., & Mingazzini, I. Il trattamento insulino locale nelle lesioni settiche superficiali. Osp. maggiore, Milano, 1939, 27: 16-23.—Thalheimer, W. Treatment of infections by methods other than chemotherapy. Bull. N. York Acad. M., 1941, 17: 434-52.—Valenti, C. La cura combinata di sieri specifici con proteine aspecifiche o con metalli colloidali, nelle malattie acute da infezione. Terapia, Milano, 1929, 19: 176-84.—Waugh, D. D. Alliacious agents in the rational therapy of infection. Med. Times, N. Y., 1938, 66: 115-20.—Wilkie, D. The conservative treatment of acute infections. Clin. J. Lond., 1937, 66: 186-91. Also Edinburgh M. J., 1937, 44: 1-9.—Young, H. H. Intravenous therapy in acute infections and infectious diseases. J. Michigan M. Soc., 1926, 25: 113-20.—Ziukov, A. M. [Shock in treatment of infectious diseases] Vrach. delo, 1938, 20: 345-54.

Treatment, nonspecific.

Aldinger, G. F. *Lässt sich seit 1900 eine Veränderung der Letalität bei den nicht spezifisch behandelbaren Infektionskrankheiten nachweisen? 27p. 8° Würzb., 1937.

Abrami, P. Traitement des maladies infectieuses par le choc. Hôpital, 1923, 11: 304.—Boeri, G. Terapia aspecifica delle malattie infettive. Policlinico, 1934, 41: sez. prat., 1745-7.—Delcourt-Bernard, E. Influence des faibles doses de peptone sur l'élimination des microbes injectés dans le sang circulant. C. rend. Soc. biol., 1921, 85: 738-40.—De Nicolo, F. Proteine e lipidi nella terapia aspecifica delle malattie infettive dell'infanzia. Clin. pediat., Mod., 1934, 16: 171-85.—Drouet, G. La thérapeutique des maladies infectieuses par le choc. J. méd. Paris, 1922, 41: 567-74.—Eaton, M. D. The principles underlying nonspecific therapy of infectious diseases and the technic of its use. In Ther. Int. Dis. (Blumer, G., et al.) N. Y., 1940, 1: 691-705.—Escudéru Nuñez, P. El tratamiento de la fiebre tifoidea y de los estados infecciosos más comunes por la yodo-proteino-vacuna-antitífica (Proteo-Eberth) An. Fac. med., Montev., 1923-24, 9: 65-72.—García, R. A. Tratamiento de las enfermedades infecciosas por las proteínas no específicas. Repert. med. cir., Bogotá, 1923-24, 15: 251-4.—Hamilton, R. L. The effect of protein shock on acute infections. Bull. Guthrie Clin., 1933-34, 3: 153.—Keining, E. Mesenchymale Reiztherapie bei Infektionskrankheiten. Aerzt. Rdsch., 1924, 34: 54; 67; 85; 105.—Knauer, H. Ist es möglich, auf dem Wege der Umstimmung durch die Haut den Ablauf von Infektionskrankheiten abzuändern? Arch. Kinderh., 1938, 115: 1-13.—Kühn, R. Unspezifische Behandlung von Infektionskrankheiten (ein Beitrag zur Schwefeltherapie) Ther. Gegenwart, 1939, 80: 427-9.—Marini, M. A. Proteino-terapia en las enfermedades infecciosas. Sem. méd., B. Air., 1922, 29: pt. 2, 956-71.—Perrault & Maison, E. Les chocs non spécifiques en thérapeutiques anti-infectieuses. Gaz. méd. France, 1933, 66-9.—Piccinnini, F., & Scaglione, G. Ricerche di patologia sperimentale sull'efficacia della proteinoterapia aspecifica nelle infezioni da carbonchio, peste e tifo. Riforma med., 1924, 40: 459-61.—Poliquin, P. A. Les sangs incompatibles comme thérapeutique de choc dans les infections graves. Union méd. Canada, 1937, 66: 381-91.—Renner, Künstliche Hyperleukocytose als Mittel zur Erhöhung der Widerstandskraft des Körpers gegen operative Infektionen; zugleich ein Beitrag zum Studium der Wirkung subkutaner Hefenukleinsäureinjektionen auf den menschlichen Organismus. Mitt. Grenzgeb. Med. & Chir., 1905-6, 15: 89-150, diagr.—Rupilius, K. Die unspezifische Behandlung infektiöser und septischtoxischer Erkrankungen der Kinder mit Detoxin. Med. Klin., Berl., 1936, 32: 978.—Salvat, A. El método de Nolf para el tratamiento de algunas enfermedades infecciosas. Tr. Soc. biol., Barcel., 1919, 7: 114-7.—Silvestri, T. Ancora della cura abortiva delle malattie infettive nostrane colle iniezioni di latte. Policlinico, 1927, 34: sez. prat., 205.—Specific (The) effect of non-specific therapy in the treatment of infections. Ind. M. Gaz., 1934, 69: p. lix.—Steinert, E. Zur unspezifischen Behandlung von Infektionskrankheiten. Praxis, Bern, 1923, 12: H. 9, 1.—Stejskal, K. Zur unspezifischen Therapie von Infektionskrankheiten. Wien. med. Wschr., 1931, 81: 254.—Stoeltzner, W. Unspezifisch-anti-

toxische Behandlung der Infektionskrankheiten. Münch. med. Wschr., 1937, 84: 1521; 1573.—**Teramoto, T.** Ueber unspezifische Therapie; Anregung von Bakterienwachstum durch aktivierende Spaltprodukte. Ibid., 1927, 74: 61.—**Villacorta, O. L.** Nuevos conceptos sobre el tratamiento parenteral no-especifico de las enfermedades infecciosas. Rev. filip. med., 1924, 15: 220-31.—**Wajs, E.** [Non-specific vaccines in treatment of infectious diseases] Nowiny lek., 1938, 50: 575-84.

— Treatment: Nursing.

HASENJAEGER, E. Asepsis in communicable disease nursing. 151p. 17½cm. Phila. [1940]

PILLSBURY, M. E. Nursing care of communicable diseases. 5. ed. 603p. 21cm. Phila., 1939. Also 6. ed. 604p. [1942]

Barrier nursing. Nurs. Times, Lond., 1942, 38: 87.—**Barry, S. C.** Aseptic technic in Providence; the story of the development of the care of infectious diseases in Providence, Rhode Island. Am. J. Nurs., 1926, 26: 171-7.—**Ebel, A. I.** Nursing care in communicable diseases in children. Trailed Nurse, 1938, 100: 48-50.—**Gorter, E.** [Nursing in infectious diseases in box system] Ned. tschr. hyg. microb., 1927-28, 2: 153-61.—**Haupt, A. C.** Nursing in communicable diseases. Illinois Health Mess., 1938, 10: 28-30.—**MacChesney, E. H.** What is communicable disease nursing? Am. J. Nurs., 1940, 40: 266-72.—**Rossinsky, D. M., & Serkin, L. G.** [How soon may a patient be allowed physical exercise after an acute, infectious disease?] Sovet. vrach. J., 1938, 42: 339-42.—**Schlossmann, A.** Ueber die Versorgung infektionskranker Kinder. Mschr. Kinderh., 1928, 41: 261-330. Also Zschr. ges. Krankenhauwesen., 1928, 24: 713-25.

— Treatment: Physiotherapy.

PESKIND, S. Photochemical immunization; autogenous vaccination through irradiation; a new therapeutic resource. 73p. 8° [Clevel., 1933]

Hamburger, F. Freiluft für Säuglinge im Fensterinnenstübchen. Wien. med. Wschr., 1937, 87: 373.—**Howell, W. E.** Actinic rays in the treatment of infection. Clinique, Chic., 1925, 46: 449-56.—**Janson, P.** Heisse Seifenbäder. Med. Welt, 1932, 6: 1505.—**Kugelman, L.** Du traitement des affections exanthématisques aiguës par la ventilation continue. Presse méd. belge, 1908-69, 21: 305.—**Kutyryne, M. M.** [Hydrotherapy in infections] Klin. med., Moskva, 1928, 6: No. 14, 978-83.—**Marquézy, R. A., & Ladet, M.** L'hydrothérapie externe au cours des maladies infectieuses. Nutrition, Par., 1938, 8: 161-73.—**Ménétrel, J.** Traitement par l'aérothermie des infections externes, des infections internes et des maladies infectieuses. C. rend. Congr. internat. physiothér. (1910) 1913, Congr., 437-42.—**Michéleau, P. E.** Sur le mode d'action des bains froids dans le traitement des maladies infectieuses. Bull. Soc. méd. chir. Bordeaux (1922) 1923, 366-72.—**Mulder, D.** Das Licht als Waffe gegen schwere Infektionskrankheiten. Kongress. Internat. Kongr. Lichtforsch., 1936, 3. Congr., 574-84.—**Otis, L. M.** Quartz ray in the various infections. Chicago M. Rec., 1926, 48: 42-4.—**Pierret, R.** Considérations générales sur le traitement de la spirchotose pulmonaire et du paludisme par la cure thermique. Presse therm. clim., 1924, 65: 69; 265.—**Ruata, G. Q.** L'influenza del caldo umido sulle infezioni. Bull. sc. med. Bologna, 1909, 8. ser., 9: 59-110.—**Saloz, C., & Demole, M.** L'altitude dans la convalescence des maladies infectieuses. Presse therm. clim., 1938, 79: 40-3.—**Zischinsky, H.** Die Freiliegkur bei den akuten Infektionskrankheiten des Kindesalters. Kinderärztl. Prax., 1935, 6: 507-14.

— Treatment: Principles.

Banks, H. S., Laurent, L. J. M. [et al.] Planning in the fever service. Brit. M. J., 1941, 2: 922-4.—**Bogomolets, A. A.** [Main principles in therapy of infectious diseases] Tr. Ukrain. sezd. terapevtov (1936) 1939, 4. Congr., 146-63. Also J. méd., Kiev, 1937, 7: 31-50.—**Feldt, A., & Schäfer, K.** Ueber Blutbefunde bei experimentellen Infektionen und Chemotherapie. Zschr. Immunforsch., 1938, 93: 170-83.—**Ferrari, A.** O tratamento racional das infecções agudas exantemáticas. Brasil med., 1941, 55: 466.—**Goodridge, M.** The general principles involved in the treatment of infections. In Ther. Int. Dis. (Blumer, G., et al.) N. Y., 1940, 2: 485-502.—**Hill, L. F.** Certain phases in the management of infectious diseases. Month. Bull. Kansas City Clin. Soc., 1935, 11: 3-7.—**Korányi, S.** Die Prinzipien der Therapie der Infektionskrankheiten. Zbl. ges. Tuberkulforsch., 1924-25, 23: 1-7.—**Nardi Batassi, D.** Terapeutica delle malattie infettive nelle linee generali della concezione più odierna. Med. nuova, Roma, 1925, 16: 199; 219.—**Palencia, J. P.** Indicaciones terapéuticas, fisiológicas y generales, en las enfermedades infecciosas agudas y los estados tífoides. Medicina, Méx., 1929, 10: 144; 184.—**Preis, H.** Virulencia és therapia. Budap. orvosegy. évk. (1907) 1908, pt. 3, 1-27.—**Thaddea, S.** Probleme der Infektktherapie. Med. Welt, 1937, 11: 235-40.—**Wilensky, A. O.** Treatment of infection; general principles underlying treatment from the surgical standpoint and therapeutic indications to be drawn therefrom. Arch. Surg., 1927, 15: 737-48.—**Wiltse, J. W.**

Modus operandi of therapeutic agents in the treatment of infections. Med. J. & Rec., 1926, 124: 20-2.

— Treatment: Radiotherapy.

KELLY, J. F., & DOWELL, D. A. Roentgen treatment of infections. 432p. 23½cm. Chic. [1942]

Alberti, O. La radioterapia dei processi infiammatori e delle malattie infettive. In Trat. roentg. curieter. (Perussia, F.) Milano, 1934, 1: pt. 2, 347-458.—**Allen, L. G.** Tratamiento de infecciones con rayos X. Rev. radiol. fisioter., Chic., 1940, 7: 68-74.—**Hiebert, P. E.** Radiation therapy in the treatment of infections; a collective study. J. Kansas M. Soc., 1939, 40: 95-101.—**Attili, S.** Die Röntgenbehandlung akut-infektiöser Prozesse. Internat. Radiother., Darmstadt, 1927-28, 3: 1225-31.—**La radioterapia nelle malattie infettive acute.** Atti Congr. ital. radiol. med., 1928, 8: 25-85.—**Bisgard, J. D., & Hunt, H. B.** The mechanism of the action of x-ray therapy upon infection. Proc. Centr. Soc. Clin. Res., 1942, 15: 8. Also Ann. Surg., 1942, 115: 996-1006.—**Experimental studies of the mechanism of action of X-ray therapy upon infection.** Radiology, 1942, 39: 691-6.—**Bogart, F. B.** Radiation therapy in the treatment of infection. J. Tennessee M. Ass., 1941, 34: 48-60.—**Cardinale, G. B.** La radioterapia nelle malattie infettive acute (dal punto di vista biologico) Atti Congr. ital. radiol. med., 1928, 8: 3-23.—**Ceresole, G.** La roentgentherapie dans les maladies infectieuses. Paris méd., 1924, 51: 103-8.—**Daniel, G.** Micro et infra-micro-roentgentherapie antinfektiöse. Bull. Soc. électroradiol. méd. France, 1939, 27: Suppl., 1-32.—**Dysart, B. R.** X-ray treatment of infections; a review of the literature and report of cases of mastoiditis and sinusitis. Ann. Otol. Rhinol., 1939, 48: 433-42.—**Earl, D. M.** Roentgen therapy in certain infections. J. Iowa M. Soc., 1938, 28: 142.—**Frangella, A.** Radioterapia y microbios. Dia méd. urug., 1938-39, 6: 614-22.—**Goldman, L. B.** Irradiation in infections. N. York State J. M., 1942, 42: 1341-5.—**González Martínez, I.** La radioterapia anti-inflamatoria y anti-infecciosa; sus indicaciones y técnica apropiada. Bol. As. méd. Puerto Rico, 1940, 32: 122-6.—**Guarini, C.** La roentgenterapia delle malattie infettive. Riforma med., 1923, 39: 944.—**Hamilton, C. M.** X-ray therapy in superficial infections. South. M. J., 1942, 35: 808.—**Henry, C. M.** A review of roentgen therapy in acute infections. Bull. Vancouver M. Ass., 1942, 19: 43-8.—**Hodges, F. M.** The rationale of Roentgen therapy in infections. South. M. J., 1930, 23: 259-63.—**Roentgen therapy of certain infections.** Am. J. Roentg., 1936, 35: 145-55. Also Proc. Interst. Postgrad. M. Ass. N. America, 1937, 44-8.—**Berger, R. A.** Roentgen therapy of some infections. J. Am. M. Ass., 1936, 107: 1551-5.—**Kelly, J. F., & Dowell, D. A.** Roentgen treatment of acute infections with modified mobile X-ray apparatus; including case reports. U. S. Nav. M. Bull., 1939, 37: 600-10.—**LeWald, L. T.** The role of the X-ray in focal infection. Phys. Ther., 1928, 46: 389-97.—**Liberson, M.** Roentgentherapie des affections inflammatoires aiguës. Presse méd., 1937, 45: 337-9.—**Liljedahl, E. N.** X-radiation in the treatment of infections. Urol. Cut. Rev., 1938, 42: 287.—**Manges, W. F.** The value of X-ray therapy in acute and subacute infections. Proc. Interst. Postgrad. M. Ass. N. America, 1934, 54-8.—**The roentgen treatment of infections.** South. M. J., 1937, 30: 243-9.—**Meldolesi, G.** Contributo allo studio della roentgenterapia nelle infezioni acute. Atti Congr. ital. radiol. med., 1928, 8: pt. 2, 232-5.—**Mogilnitsky, B. N., & Podlaskchuk, L. D.** [Treatment of infectious diseases with Roentgen rays] Klin. med., Moskva, 1932, 10: 723-7.—**Myers, R. E.** The use of the roentgen ray in infections. South. M. J., 1935, 28: 814-8.—**Pendergrass, E. P., & Hodes, P. J.** Roentgen therapy of infections. Texas J. M., 1939-40, 35: 693-9.—**Plaats, B. J. van der** [Roentgen treatment in infections] Ned. tschr. geneesk., 1933, 77: 2008-15.—**Reineke, H. G.** Radiation therapy of infections. J. Med., Cincin., 1938-39, 19: 463-5.—**Rhinehart, D. A.** X-ray therapy in infections. J. Arkansas M. Soc., 1936-37, 33: 117.—**Soiland, A.** The X-ray in the treatment of infection. Am. J. Surg., 1938, 42: 798-803.—**Weed, L. A., Echternacht, A. P.** [et al.] The effect of therapeutic doses of x-ray on infections and inflammations; experimental studies. Surg. Gyn. Obst., 1942, 75: 157-60.—**Weismann-Netter, R.** A propos de la roentgentherapie des infections et suppurations locales. Bull. Soc. méd. hóp. Paris, 1934, 3. ser., 50: 1299-301.—**Wurster, L. E.** Roentgen therapy; an adjunct in the armamentarium of the otolaryngologist and ophthalmologist in the treatment of infections. Pennsylvania M. J., 1938-39, 42: 506-8.—**X-ray (The) treatment of infections.** Med. J. Australia, 1942, 2: 147.—**Zabludovsky, A. M., Neesnevich, L. M., & Frenkel, S. R.** [Reaction of inflammatory processes to X-rays] Nov. khir., Moskva, 1925, 1: 343-53.

— Treatment: Serum and vaccine.

BRUSCHETTINI, A. La vaccinotherapie dans les infections à pyogènes. 11p. 8° [Par., 1924]

POZZILLI, P. La vaccinotherapie dans les infections à pyogènes. 16p. 8° Genova [n. d.]

RENÉ-BOISNEUF, J. *Traitement des infections par l'action ou focal ou régional d'un vaccin à corps microbiens. 33p. 24½cm. Par., 1939.

- Balzano, I. La sieroterapia in alcune malattie infettive. *Med. prat., Nap.*, 1923, 8: 143-7.—Berman, V. M., Benevolensky, P. I. [et al.] [Effect of parenteral injections of heterologic serum on the course of infectious processes] *Sovet. vrach. gaz.*, 1934, 38: 204-13.—Boehncke & Ignée. Zur Behandlung von Infektionskrankheiten mit Omnadin. *Fortsch. Med.*, 1923, 41: 62.—Busson, B. Diagnostik, Vakzinen und Serumtherapie bei verschiedenen Infektionskrankheiten. *Wien. klin. Wschr.*, 1923, 36: 513-6.—Combes, F. C. Bacterial filtrates in the treatment of cutaneous infections. *N. York State J. M.*, 1942, 42: 1143-5.—Conner, J. A. Convalescent serum in contagious diseases. *Wisconsin M. J.*, 1939, 38: 638-41.—Courtois-Suffit & Bourgeois, F. Un aspect nouveau de la responsabilité médicale; sérothérapie et vaccinothérapie dans les maladies infectieuses. *Ann. méd. lég.*, 1936, 16: 88-103.—Covaleda Ortega, J. Fundamentos de la profilaxis y curación de las enfermedades infecciosas por la inmunotransfusión. *Actual. méd.*, Granada, 1940, 16: 429; 469.—Cramer, F. Ueber die Behandlung fieberhafter Erkrankungen mit Omnadin unter besonderer Berücksichtigung des septischen Abortes. *Med. Klin., Berl.*, 1924, 20: 1247-9.—Duran de Cotes, J. Vacuoterapia de los procesos infecciosos, generales y locales. *Progr. clín.*, Madrid, 1910, 9: 370-88. — Vacuoterapia de los procesos infecciosos generales y locales; contestación a los comentarios hechos a esta ponencia por el Dr. Mayoral. *Ibid.*, 10: 104-12.—Gandullo, L. La sieroterapia de la gangrena gaseosa y de los procesos toxo-infecciosos provocados por anaerobios. *Rev. san. mil., Madrid*, 1934, 24: 265; *passim*.—Garber, C. A. Autogenous vaccine in puerperal and pelvic infections. *J. Am. Inst. Homeop.*, 1942, 35: 119.—Gins, H. A. Immunobiologische Heilvorgänge und Behandlung der Infektionskrankheiten. *Zschr. ärztl. Fortbild.*, 1936, 33: 61-5.—Govaerts, P. Action du sérum antiplaqueur sur l'élimination des microbes introduits dans la circulation. *C. rend. Soc. biol.*, 1921, 85: 667.—Grasset, E. Les endo-anatoxines microbiennes et leurs applications dans la prophylaxie et le traitement des maladies infectieuses. *Rev. méd. Suisse rom.*, 1939, 59: 257-66.—Hammerschmidt, J. Die Wirkungsweise antiseptischer Sera. *Zbl. Bak.*, 1. Abt., 1938, 142: 168-75, 2 pl.—Hardgrove, M. The use of human convalescent serum in infectious diseases. *Wisconsin M. J.*, 1935, 34: 812-6.—Hegner, K. Klinische Erfahrungen mit serologischen Methoden bei Infektionskrankheiten. *Deut. med. Wschr.*, 1935, 61: 447-50.—Hyland, C. M. The value of convalescent serum in the acute contagious diseases. *Nebraska M. J.*, 1930, 22: 342-7. Also Rocky Mountain M. J., 1938, 35: 132-7.—Kramar, E. Il valore pratico dell'uso del siero di adulti e di convalescenti nelle malattie infettive. *Pediatrics (Riv.)*, 1935, 43: 237.—Langguth, F. Pionierimpfung mit Impfstoff B als therapeutisches, diagnostisches und prophylaktisches Mittel. *Fortsch. Med.*, 1928, 46: 614-6.—Levinson, S. O., Penrudocke, E., & Wolf, A. M. Human convalescent serum and its application to acute infectious diseases. *Illinois M. J.*, 1930, 72: 514-7.—Löhr, W. Die Serothérapie in der Chirurgie. *Med. Welt*, 1940, 14: 27: 53.—Lucas, R. T. Convalescent serum in the prevention and treatment of common contagious diseases in childhood. *N. Orleans M. & S. J.*, 1939-40, 92: 289-95.—Martin, E. Our experience with vaccine therapy in acute infections. *State Hosp. Bull.*, Utica, 1911-12, n. ser., 4: 127-41.—Ontarowski, N. [Brief report on the effect of the vaccine sistofebrin in infectious diseases] *Nowiny lek.*, 1930, 49: 728-31.—Paullin, E. A further report concerning the use of vaccines in acute and chronic infections. *Tr. M. Ass. Georgia*, 1910, 177-83.—Podolsky, E. The antigen therapy of infections. *J. Med., Cincin.*, 1939-40, 20: 27-9.—Redfield, H. H. A polyvalent antigen in the treatment of bacillary infections; clinical reports on the effect of edwelin therapy. *Med. Rec., N. Y.*, 1935, 142: 541-5.—Regan, J. C. Serums and vaccines in prevention and treatment of certain communicable diseases of children. *Med. Times, N. Y.*, 1941, 69: 345-8.—Salazar, M. El uso del suero humano de individuos convalescentes, en la prevención y tratamiento de las enfermedades infecciosas. *Rev. san. mil., Madrid*, 1930, 20: 1-5.—Schmidt, H. Die Grundlagen der spezifischen Serumtherapie bei Infektionskrankheiten. *Deut. med. Wschr.*, 1930, 63: 333-6.—Smirnow, G. A. Ueber die Methodik der Zubereitung von künstlichen Antikörpern (Antitoxinen) zur Behandlung der Diphtherie und Tuberkulose. *Beitr. Klin. Tuberk.*, 1924, 59: 278-99.—Taccone, G. L'organo-vaccinoterapia nelle infezioni acute (note preliminare) *Riv. clin. pediat.*, 1927, 25: 348-52.—Thalheimer, W. The prophylactic and therapeutic value of convalescent serums in some of the acute infectious diseases. *Ann. Int. M.*, 1936-37, 10: 373-8. — Convalescent measles and scarlet fever serums, their use in prophylaxis and therapy. *Canad. Pub. Health J.*, 1940, 31: 51-5.—Toomey, J. A. Passive immunity against encephalitis, mumps, and erysipelas. *J. Pediat.*, S. Louis, 1937, 10: 107.—Tron, G. Le indicazioni della sieroterapia e quelle della vaccinoterapia nelle malattie da infezione. *Terapia*, Milano, 1924, 14: 107-17.—Tryde, E. [Experiences with omnadin in infectious diseases] *Ugeskr. laeger*, 1935, 97: 1278-83.—Uhlenhuth, P. Die Bedeutung der Heil- und Schutzserumbehandlung für die Bekämpfung der Infektionskrankheiten. *Med. Welt*, 1934, 8: 1681; 1719.—Wadsworth, A. Recent advances in the serum therapy of pneumonia, meningitis, scarlet fever and other streptococcus infections. *Tr. Ass. Am. Physicians*, 1932, 47: 161-78. — Some of the practical problems in the serum therapy of bacterial infections. *Ann. Int. M.*, 1937-38, 11: 791-800. — Antitoxic and antibacterial sera in the treatment of infection. *Stud. Div. Lab. N. York State Dep. Health*, 1937-39, 9: No. 2, 1.—Whitby, L. E. H. The modern treatment of staphylococcal and pneumococcal infections. *Lancet, Lond.*, 1934, 2: 779.—Wright, A. E. Traitement des infections bactériennes; thérapeutique vaccinale et immunisation in vitro. *Ann. Inst. Pasteur, Par.*, 1931, 46: 639-81, pl.
- Treatment, symptomatic.
- Breuer, L. Zur Frage der Herztherapie bei Infektionskrankheiten unter besonderer Berücksichtigung von Digifolin. *Wien. med. Wschr.*, 1931, 81: 516-8.—Fajarnés, E. La hipotermia en las infecciones. *Rev. cienc. méd.*, Barcelona, 1902, 28: 267-71.—Forcaj, M. [Use of antipyretics in treatment of typhoid fever, tuberculosis and other diseases] *Warsz. czas. lek.*, 1938, 15: 95-7.—Garofeanu, M. [Clinical value of cordizan-ephedrin in treatment of infectious diseases] *România med.*, 1938, 16: 129.—Koch, E. Die Geschichte der sogenannten symptomatischen Behandlung Infektionskranker. *Med. Welt*, 1934, 8: 532-6.—Metalnikov, S. Rôle des stimulants dans la lutte contre les maladies infectieuses. *Bull. méd., Par.*, 1926, 40: 39-41.—Metz, A. [Coramine in infectious diseases] *Cluj med.*, 1934, 15: 77.—Morawetz, G. Camphorquin bei Infektionskrankheiten. *Wien. klin. Wschr.*, 1928, 41: 65.—Plattner, H. Vorsicht mit Abführmitteln bei fieberhaften Infektionskrankheiten: Lebensbedrohende Rolle der Splanchnicushyperämie. *Aerzt. Prax.*, Wien, 1936, 10: 181.—Waardenburg, D. A. van [Whether to combat or not to combat fever in infectious diseases] *Geneesk. tcschr. Ned. Indi.*, 1937, 77: 145-52.—Wesel, R. van [Stimulation of the heart in infectious diseases] *Ibid.*, 1940, 80: 1785-94.
- tropical and exotic.
- Freitas, O. de. Doenças africanas no Brasil. 226p. 18cm. S. Paulo, 1935.
- May, H. *Ergebnisse der Prophylaxe und Therapie mit Bakteriophagen bei exotischen Infektionskrankheiten [Leipzig] 34p. 8°. Zeulenroda, 1932.
- Shattuck, G. C. History and probable origin of the infectious diseases of Guatemala. p.39-49. 29cm. Wash., 1938.
- Vogel, E., & Roux, M. Les maladies épidémiques, endémiques et sociales dans les colonies françaises pendant l'année 1937. p.257-551. 8°. Par., 1939.
- Blue, R. The prevention of oriental diseases. *J. Sociol. M.*, 1916, 17: 12-5.—Camacho. Algunas endemias colombianas. *Rev. méd. Chile*, 1939, 67: 29-35.—Coicou. La physiologie de nos petites épidémies. *Ann. méd. haiti.*, 1937, 14: 57-64. — La physiologie de nos petites épidémies; diphtérie et fièvres éruptives. *Ibid.*, 1939, 16: 42-50.—De Brauwere, P. Vues d'ensemble sur la situation de la maladie du sommeil et de la lèpre dans les territoires sous l'action du Foreami durant l'année 1936. *Ann. Soc. belge méd. trop.*, 1938, 18: 381-418.—Dos graves flagelos de la raza, parásitos intestinales, paludismo; instrucciones acerca de ellos y de la manera como el pueblo puede contribuir a su extinción. *Salud & san.*, Bogotá, 1936, 5: No. 50, 4-14.—Gastou & Pontoizeau. A propos des porteurs de germes exotiques: pian et leishmaniose cutanée. *Bull. Soc. méd. mil. fr.*, 1921, 15: 104-7.—Gminder, E. Epidemiologie der wichtigsten tropischen Erkrankungen Westafrikas (ohne Kamerun) und ihre Bekämpfung durch die Mandatsmächte. *Deut. tropenmed. Zschr.*, 1941, 45: 183-90.—Joyeux, C. La tuberculose et la maladie du sommeil en Afrique équatoriale. *Presse méd.*, 1924, 32: annexe, 1615-9.—Menk, W. Infektionskrankheiten im Küstentiefland des Departamento Magdalena von Colombia S. A. In *Arb. Tropenkrankh. (Festschr. B. Nocht) Hamb.*, 1927, 333-44.—Reiter, H. Experimentelle Studien über die stumme Infektion und ihre Folgen bei Weilscher Krankheit und bei Nagana. *Deut. med. Wschr.*, 1926, 52: 445-7.—Vogel & Le Rouzic. Les maladies transmissibles observées dans les colonies françaises et territoires sous mandat pendant l'année 1936. *Ann. méd. pharm. col.*, Par., 1938, 36: 352-520; 633.—Wilson, J. P. A. Isolation, and preventive measures, in infectious diseases, in semi-civilized countries. *Tr. Far East. Ass. Trop. M.*, 1912, 2. Congr., 363-74.
- Urogenital system.
- Béjaeva, H., & Alexandrova, S. L'influence des maladies infectieuses aiguës sur les organes génitaux des petites filles. *Gyn. obst.*, Par., 1934, 29: 222-40.—Brugi, A. La costante di Ambard nelle malattie infettive generale. *Policlinico*, 1924, 31: sez. med., 366-72.—Cowherd, J. B. The sequelae of acute infectious diseases in children with special reference to their effect upon the kidneys. *Month. Bull. Kansas City Clin. Soc.*, 1935, 11: No. 2, 6-11.—Gavrilja, J., & Ernst, E. Les acides organiques urinaires dans la scarlatine, l'érysipèle et la diphtérie. *C. rend. Soc. biol.*, 1933, 113: 324. Also *Cluj med.*, 1933, 14: 71.—Weissenberg, S. Ueber den Einfluss des Fleck- und Rückfallfiebers auf die Menstruation, Schwangerschaft, Geburt und Laktation. *Zbl. Gyn.*, 1923, 47: 904-20.
- virus.
- See Virus disease.

— in animals.

See also **Animals, Diseases, contagious; Animals, Diseases: Relation to public health; Anthrax—in animals; Epizootic, etc.**

PANISSET, L. Les maladies infectieuses des animaux transmissibles à l'homme. 2. éd. 114p. 25cm. Par., 1938.

— Traité des maladies infectieuses des animaux domestiques. 562p. 25cm. Par. [1938]

VUILLEMIN, P. Les animaux infectieux. 143p. 8° Par., 1929.

Ascoli, A. Le malattie infettive trasmissibili dagli animali all'uomo nei nuovi riflessi della patologia comparata. In Annuario vet. ital., Roma, 1934-35, 571-84.—**Bekämpfung der Aufzuchtkrankheiten.** Münch. tierärztl. Wschr., 1923, 74: 399.—**Chicon, F.** L'action civile dans le cas de vente d'animaux atteints de maladies réputées contagieuses. Rec. méd. vét., 1938, 114: 106-8.—**Collins, G.** A few remarks on infectious diseases. Vet. Med., Chic., 1927, 22: 230-2.—**Cornell, K. L.** Pyogenic infection of goats and sheep in Tanganyika territory. Vet. Rec., Lond., 1938, 50: 1653-7.—**Du Toit, P. J.** General conditions governing the origin and development of infectious diseases. Ibid., 1468-76. Also Vet. Med., Chic., 1939, 34: 14-24.—**Gärtner, W., & Scanzoni, C. von.** Ueber die Wirkung von Chlorthymol und Jod-Chlorthymol (Präparat G 124 und G 125) bei Erdinfektion von Meerschweinchen. Deut. Zschr. Chir., 1929, 216: 210-21.—**Mackie, T. J., Van Rooyen, C. E., & Gilroy, E.** An epizootic disease occurring in a breeding stock of mice: bacteriological and experimental observations. Brit. J. Exp. Path., 1933, 14: 132-6.—**Manninger, R., & Salyi, J.** Die Beteiligung der Haut am Krankheitsbilde bei den Infektionskrankheiten der Haustiere. Deliber. Congr. dermat. internat. (1935) 1935-37, 9. Congr., 2: 421-6.—**Miller, A. W.** Report of the Committee on miscellaneous transmissible diseases. J. Am. Vet. M. Ass., 1938, 92: 433-41.—**Motylev, B. G.** [Mechanized disinfection of infected animals] Sovet. vet., 1939, 16: No. 10-11, 66-71.—**Panisset, L.** Les conditions de l'apparition, du développement et de l'extension des maladies infectieuses des animaux. Rec. méd. vét., 1937, 113: 193; 513.—**Randall, R.** Diseases common to man and animals. Mil. Surgeon, 1929, 64: 882-93.—**Robin, V.** A propos des ventes d'animaux atteints de maladies contagieuses. Rec. méd. vét., 1938, 114: 158.—**Schultz, M. P., & Rose, E. J.** The evolution of disseminated bacterial infection in guinea pigs; influence of treatment with insulin and phloridzin. Pub. Health Rep., Wash., 1939, 54: 657-62.—**Steck, W.** Zum Problem der Chemotherapie bakterieller Tierkrankheiten. Schweiz. Arch. Tierh., 1938, 80: 329-41.—**Topley, W. W. C.** Some aspects of herd immunity. J. R. San. Inst., 1935-36, 56: 123-36.—**Viljoen, P. R.** State control of stock diseases. J. S. Afr. Vet. M. Ass., 1928, 1: 19-27.—**Werner, F.** Zur Bakteriologie der seuchenhaften Fohlen- und Kälberkrankheiten in Oesterreich und deren Bekämpfung mit spezifischen Impfstoffen. Berl. tierärztl. Wschr., 1924, 40: 669.—**Wirth, D.** Menschenkrankheiten und Tierkrankheiten. Wien. klin. Wschr., 1927, 40: 1518; 1549.—**Zernoff, V.** Sur l'infection et l'immunité chez Carausius (Dixippus) morosus. C. rend. Soc. biol., 1932, 111: 385.

— in children.

ALLAN, J. W. Memoranda of infectious diseases; for the use of school teachers. 2. ed. 24p. 24° Lond., 1906.

ARMSTRONG, H. G., & FORTESCUE-BRICKDALE, J. M. A manual of infectious diseases occurring in schools. 150p. 8° Brist., 1912.

HELMREICH, E. Die akuten Infektionskrankheiten des Kindesalters. 140p. 8° Wien, 1934.

LONDON COUNTY COUNCIL. EDUCATION DEPARTMENT. Handbook containing rules and regulations to be observed in connection with the occurrence of infectious diseases among children. 52p. 12° Lond., 1930.

NOBÉCOURT, P. Clinique médicale des enfants; maladies infectieuses, rhumatisme articulaire aigu, fièvre typhoïde, scarlatine. 420p. 8° Par., 1932.

Acute infectious diseases. In Ther. Infancy (Litchfield, H. R., et al.) Phila., 1942, 1: 530-745, 15 pl., map.—**Amarante, J.** As doenças infecciosas na criança. Fol. med., Rio, 1927, 8: 179-82. — Doenças infecciosas na infância. Ibid., 196-9.—**Bader, G. B.** Acute infections in childhood. Med. Clin. N. America, 1931, 14: 1475-81.—**Blaurock, G.** Infektionskrankheiten. Mschr. Kinderh., 1936, 67: 301-37.—**Cacace, E.** I batterii del Giardino d'infanzia in rapporto all'igiene infantile. Atti Congr. pediat. ital. (1901) 1902, 4: 427.—**Cameron, H. C.** Fifty years of progress in paediatrics; some epidemic infectious diseases. Clin. J., Lond., 1941, 70: 225-32.—**Cathala, J., & Chabrun, J.** L'infection chez les enfants

du premier âge. In Traité méd. (Nobécourt & Babonneix) Par., 1934, 2: 1-27.—**Chevalley.** L'infection chez le jeune enfant d'après un travail récent. Nourrisson, 1928, 96: 148-52.—**Degkwitz, R.** Immunbiologie und immunbiologische Methoden in der Diagnostik, Prophylaxe und Therapie kindlicher Infektionskrankheiten. Erg. ges. Med., 1924, 5: 201-21.

— Akute Infektionskrankheiten im Kindesalter. Klin. Wschr., 1925, 4: 1197-201.—**Dobrokhotova, A. I., & Shapiro, S. L.** [Research and achievements of Soviet science in the study of infections in children for the past 20 years] Pediatra, Moskva, 1937, Nos. 11-12, 88-106.—**Eckstein, A.** Die Bedeutung der akuten Infektionskrankheiten für das Kleinkindesalter. Gesundheitsf. Kindesalt., 1928, 3: 502-26.—**Epidemics in schools.** Med. Off., Lond., 1938, 59: 224.—**Eyre, J. W. H.** Adolescence and microbial infections. J. State M. Lond., 1936, 44: 35-9.—**Finkelšteinas, L.** [Epidemiology, diagnosis, treatment and prevention of infectious diseases in children] Medicina, Kaunas, 1933, 14: 706-19.—**Friedemann, U.** Die Epidemiologie der infektiösen Kinderkrankheiten. Zschr. ärztl. Fortbild., 1928, 25: 545; 583.—**Graves, G. W.** What will Junior catch next? Pennsylvania Health, 1942, 3: 29-33.—**Iasný, S. I.** [Infectious diseases of children] In Profil. ter. det. bole. (Arkavin, J. S.) Kharkov, 1930, 98-129.—**Karnitzky, A. O.** Infektion und Regeneration beim wachsenden Kinde. Jahrb. Kinderh., 1931, 3. F., 82: 345-53.—**Klinschmidt, H.** Akute Infektionskrankheiten im Kindesalter. Diagn. ther. Irrtüm., 1924, H. 5, Kinderheilk., 1-149.—**Kroö, H.** Ueber Infektionsverlauf und Immunität bei neugeborenen und erwachsenen Tieren. Klin. Wschr., 1933, 12: 1573.—**Langer, H.** Infektionskrankheiten bei Säugling und Kleinkind; neuere Gesichtspunkte für Vorbeugung und Behandlung. Zschr. ärztl. Fortbild., 1923, 20: 487-92.—**Levy, S.** Der Einfluss von Infekten auf das Gedeihen von Säuglingen in geschlossenen Anstalten. Arch. Kinderh., 1928, 84: 27-35.—**Macciotta, G.** Malattie acute da infezione. In Man. pediatr. (Frontali, G.) Tor., 1936, 2: 299-548.—**Mariotti, McK.** Infections in infants. Proc. Interst. Postgrad. M. Ass. North America (1927) 1928, 3: 19-25.—**Meyer, S.** Beobachtungen an infektionskranken Kindern. Arch. Kinderh., 1924, 75: 122-8. — Moderne Gesichtspunkte bei der Behandlung der akuten Infektionskrankheiten im Kindesalter. Zschr. ärztl. Fortbild., 1925, 22: 65-74.—**Nasso, I.** La reazione del lattante alle infezioni. Pediatra (Riv.) 1933, 41: 929-32.—**Nobécourt, P.** [Infectious diseases] Uebch. det. bole. 1928, 3: 699-720.—**Nobel, E.** Fortschritte auf dem Gebiete der Infektionskrankheiten bei Kindern. Wien. med. Wschr., 1923, 73: 1707-12. — Prophylaxe und Therapie der wichtigsten Infektionskrankheiten der Kinder. Wien. klin. Wschr., 1928, 41: 1433-8. — Einiges über Prophylaxe und Therapie der wichtigsten akuten Infektionskrankheiten der Kinder. Fortsch. Ther., 1931, 7: 587-93.—**Orel, H.** Die Prophylaxe und Therapie der wichtigsten akuten Infektionskrankheiten des Kindesalters. Aerztl. Prax., Wien, 1936, 10: 221-6. Also Wien. klin. Wschr., 1936, 49: 584-9.—**Oxenius, K.** Eine ungewöhnliche Koniliarikrankheit. Münch. med. Wschr., 1935, 82: 1240-2.—**Paraf, J.** Maladies infectieuses infantiles. Rev. hyg., Par., 1927, 49: 36-57.—**Platou, E. S., & Dwan, P. F.** Advances in the prevention and treatment of contagious diseases of childhood. Minnesota M., 1939, 22: 71-7.—**Price, J. P.** Treatment of infectious diseases in children. J. S. Carolina M. Ass., 1933, 29: 148-50.—**Pybus, F. C.** Some infections of childhood. Clin. J., Lond., 1922, 51: 457-62.—**Ribadeau-Dumas, L.** L'infection chez le nourrisson. Strasbourg méd., 1926, 84: pt 2, 251-6. — Le nourrisson; infection et immunité. Progr. méd., Par., 1930, 2257-68. — Du terrain dans les infections aiguës du nourrisson et de ses modifications sous l'influence thérapeutique. Sem. hôp. Paris, 1931, 7: 97-106. — & **Chabrun, J.** L'infection chez l'enfant en bas âge; étude étiologique et clinique. Bull. méd., Par., 1928, 42: 738-45.—**Rietschel, H.** Ueber Infektionskrankheiten im Säuglingsalter. Med. Klin., Berl., 1937, 33: 1021-4.—**Schlesinger, B.** Infectious diseases. In Dis. Child. (Thursfield & Paterson) Lond., 1934, 922-97.—**Schwarzenberg, L. J.** De las infecciones agudas en el lactante y en el pre-escolar; la deshidratación celular interna y la dieta hiperazucarada. Arch. lat. amer. pediat., B. Air., 1927, 3. ser., 21: 554.—**Tatarov, A.** [Infectious diseases of children in Smolensk province in 1893-1925] Belorus. med. dumka, 1925-26, 2: 31-41.—**Ten Bokkel Huinink** [Intoxication in infants] Geneesk. tschr. Ned. Indië, 1939, 79: 104.—**Toomey, J. A.** Prevention and control of communicable diseases in children. Pittsburgh Health, 1938, 6: No. 2, 2; No. 3, 9.—**Torday, F.** Die Bekämpfung der akuten Infektionskrankheiten des Kindesalters. Jahrb. Kinderh., 1923, 3. F., 52: 213-26.—**Townsend, M. L.** The importance of infections in childhood. Internat. Clin., 1925, 35. ser., 3: 139-43.—**Trend** (The) of infectious diseases of childhood. J. Am. M. Ass., 1934, 103: 682.—**Tucker, H.** Communicable diseases in the preschool child. Texas J. M., 1938-39, 34: 35-9.—**Ullrich, O.** Ueber die Altersdisposition zu den akuten kindlicher Infektionskrankheiten. Med. Klin., Berl., 1929, 25: 663-5.—**Vischer, D. II.** Typhus abdominalis und Lues congenita im frühen Säuglingsalter. Schweiz. med. Wschr., 1924, 54: 706-9.—**Zehner, N.** Revue générale sur les maladies infectieuses. Méd. inf., Par., 1924, 30: 363; 1925, 31: 9. — Les maladies infectieuses chez les enfants en 1922. J. méd. Paris, 1923, 42: 675; 693.—**Zischinsky, H.** Die akuten Infektionskrankheiten im frühen Säuglingsalter. Jahrb. Kinderh., 1936, 3. F., 98: 1; 113.

— in plants.

See also **Plant, Disease.**

Blunck, H. Die Erforschung epidemischer Pflanzenkrankheiten auf Grund der Arbeiten über die Rübenfliege. Zschr. Pflanzenkr., 1929, 39: 1-28.—Carbone, D. Sur la nature de la barrière dans le haricot vacciné et infecté de Toile. Boll. Sez. ital. Soc. internaz. microb., 1934, 6: 301-3.—Frémont, T. Extension de techniques employées en pathologie animale à l'étude des réactions de la cellule végétale à certaines infections. Ann. Inst. Pasteur, Par., 1937, 58: 531-91.

— in wartime.

See also subheading **Military aspect.**

Abdulkadir Noyan [War epidemics: exanthematous typhoid and relapsing fever] Askeri shihye mecmuasi, 1940, 69: p. i-xvi.—Aujaleu, E. I. Y. La prophylaxie des maladies épidémiques aux frontières en temps de paix et en temps de guerre. Rev. Serv. san. mil., Par., 1939, 111: 871-98.—Barney, C. O. Effect of disease on Ethiopian war. Bull. Onondaga Co. M. Soc., 1938-39, 3: No. 9, 13.—Behaviour of some common fevers in war-time. Lancet, Lond., 1941, 1: 641.—Bell, J. A. Epidemiology in war time. J. M. Soc. N. Jersey, 1942, 39: 419-23.—Blanchard. Prophylaxie des endémies épidémiques coloniales dans ses rapports avec la guerre. Gaz. hôp., 1940, 113: 398 (microfilm)—Boudreau, F. G. Epidemic hazards in war. N. York State J. M., 1940, 40: 1089-93.—Campbell, J. M. Contagious diseases of wartime and ways of controlling them. Pennsylvania Health, 1942, 3: No. 8, 4.—Cawadias, A. P. Epidemic problems in wartime. Brit. M. J., 1942, 2: 321.—Communicable diseases in wartime. Ther. Notes, Dett., 1942, 49: 143-8.—Counsell, C. E. War and infectious disease. Pub. Health Rep., Wash., 1941, 56: 547-73.—Curschmann, H. Ueber Seuchenvorbeugung im Kriege. Med. Klin., Berl., 1939, 35: 1361.—Devitt, N. in wartime. Science, 1942, 95: 530.—Donelan, C. J., LeVitt, N., & Reece, E. Epidemics in war-time. Lancet, Lond., 1940, 1: 1009.—Dr Parran says American medical opinion is amazed at the way in which Britain has prevented epidemics. Ibid., 1941, 1: 221.—Epidemics after wars. J. Am. M. Ass., 1939, 113: 1230.—Epidemics in reception areas. Lancet, Lond., 1939, 2: 618.—Epidemic (The) situation. Med. Off., Lond., 1940, 64: 163.—Epidemics and shifts in wartime population. J. Am. M. Ass., 1942, 120: 767.—Epidemiological notes. Brit. M. J., 1940, 2: 343.—Eternberger, E. M. A guerra e as epidemias. Impr. med., Rio, 1942, 18: No. 337, 124-6.—Galambos, A. Epidemiology in wartime. N. York Physician, 1942, 19: No. 5, 30-7.—Gervais, J. H. Considérations générales sur les épidémies en temps de guerre. Union méd. Canada, 1942, 71: 502-5.—Hort, E. C. Fever and war. Brit. M. J., 1914, 2: 815.—Infective diseases of war. Med. Press & Circ., Lond., 1941, 206: 61.—Janeway, C. A. Wartime preventive medicine. N. England J. M., 1940, 223: 854-61.—Krehi, L. von. Ueber Infektionskrankheiten im Kriege. Münch. med. Wschr., 1934 81: 1195.—Lawrence, R. B. War and disease. J. Am. Inst. Homeop., 1942, 35: 412-5.—Major, R. H. War and disease. J. Lab. Clin. M., 1942-43, 28: 661-7.—Maxcy, K. F. Epidemiological implications of wartime population shifts. Am. J. Pub. Health, 1942, 32: 1089-96.—Minchin, R. L. H. Dysentery and enteric fever as medical emergencies of war. Practitioner, Lond., 1940, 145: 54-60.—Note ed appunti di igiene e di epidemiologia di guerra. Minerva med., Tor., 1939, 30: pt 2, 513-6.—Phair, J. T. Communicable disease control in wartime. Canad. Pub. Health J., 1941, 32: 565-8.—Plagues and battles. Clin. Excerpts, 1942, 16: 3-13.—Plagues to come in the wake of war. Gradwohl Lab. Digest, 1939-40, 3: No. 6, 3.—Pöschmüller, M. Die Infektionskrankheiten in Belgrad im Kriegsjahre 1916. Wien. med. Wschr., 1918, 68: 697; 734.—Prevention of war epidemics. J. Am. M. Ass., 1940, 115: 145.—Pringle, A. M. N. Epidemiological aspects of the evacuation of school children from crowded into less dangerous areas. J. R. San. Inst., 1939-40, 60: 71-82.—Proposed study of wartime diseases. J. Am. M. Ass., 1940, 115: 939.—Red Cross and Harvard study war epidemics. Am. J. Clin. Path., 1941, 11: 620.—Regamey, R. La Suisse et les épidémies en temps de guerre. Rev. méd. Suisse rom., 1940, 60: 671-90.—Rodino, N. Il passato e l'avvenire della profilassi contro le malattie infettive in guerra. Studium, Nap., 1930, 20: 187-97.—Saladrigas Zayas, E. El control de las epidemias que nos amenazan con motivo de la guerra. Vida nueva, Habana, 1942, 49: 96-103.—Simpson, W. J. Dysentery and enteric fever among the civil population of Cape Colony and Natal. Rep. Comm. Dysentery (Gr. Britain Secr. War) Lond., 1903, 51-6.—Symons, A. D. Infectious diseases in Shrewsbury. Med. Off., Lond., 1942, 67: 103.—War (The) and epidemic disease. Health, Canberra, 1940, 18: 57-62.—War and epidemiology. Med. Off., Lond., 1941, 65: 46.—War and infectious disease. Lancet, Lond., 1941, 1: 757.—War and the spread of epidemic diseases. J. Am. M. Ass., 1941, 117: 368.—Werner, H. Vorbeugende Massnahmen gegen Malaria- und Fleckfieberinfektion im Kriegsgebiet Polens. Deut. med. Wschr., 1939, 65: 1488-90.—White, J. S. The prophylaxis of infectious diseases in war-time. Pub. Health, Lond., 1940-41, 54: 73-7.—Zuckermann, C., & Bustamante, M. E. Epidemias de guerra. J. Internat. Coll. Surgeons, 1942, 5: 132-4. Also Rev. mex. cir., 1942, 10: 195-8.

INFECTIOUS jaundice.

See **Icterus, infectious; Leptospirosis.**

INFECUNDITY.

See **Fecundity, deficient; Sterility.**

INFERIORITY.

See also under names of defective or inferior organs and functions; also **Defective; Degeneracy; Inferiority feeling.**

FLECKENSTEIN, H. Persönlichkeit und Organminderwertigkeiten. 320p. 23cm. Freib. i. B., 1938.

Ballin, L. Die Lehre von der Minderwertigkeit der Organe in biologischer Beleuchtung. Arch. Frauenk., 1930, 16: 117-38.—Berman, L. Handicaps and inferiorities of human beings. In his New Creations, N. Y., 1938, 1-15.—Burrier, W. P. Constitutional psychopaths. U. S. Veterans Bur. M. Bull., 1926, 2: 684-90.—Foster, H. E. Constitutional inferiority. Ibid., 1930, 6: 395-401.—Haviland, H. C. Organ inferiority and its psychical compensation (Summary of Adler's monographic study) State Hosp. Q., Utica, 1920-21, 6: 55-66.—Herfort, K. [Correlation of psychical and physical inferiority] Cas. lek. česk., 1927, 66: 507-10.—Huddleson, J. H. The part of conduct disorders in the concept of constitutional psychopathic inferiority. J. Nerv. Ment. Dis., 1926, 64: 151-6.—Kopetzky, S. J. The survival of the unfit. In Med. Leaves (J. C. Beck) Chic., 1937, 93-6.—Kraines, S. H. Psychopathic personality; constitutional psychopathic inferior. In his Ther. Neuroses, Phila., 1941, 393-7.—Lindner, R. M. Experimental studies in constitutional psychopathic inferiority; systemic patterns. J. Crim. Psychopath., 1942-43, 4: 252; passim.—Mills, H. Psychological problems of war-time; inferiority and the super ego. Nurs. Times, Lond., 1940, 36: 148.—Orbison, T. J. Constitutional psychopathic inferior personality; with and without psychosis; a fertile soil for delinquency. J. Delinq., 1926, 10: 428-33.—Parsons, E. H., Ewalt, J. R., & Peak, I. F. A formulation of constitutional psychopathic inferiority for military medicine. Army M. Bull., 1930, No. 42, 42-8.—Robbins, F. C. Constitutional inferiority. N. England M. Gaz., 1907, 42: 402-6.—Wright, H. W. A consideration of constitutional inferiority. N. York M. J., 1908, 88: 1217-22.

INFERIORITY complex.

See also **Castration complex; Narcissism.**

DEE, G. How to cure the inferiority complex; the Dee method. 128p. 8°. Lond. [1938]

Crianças (As) e o complexo de inferioridade. Impr. med., Rio, 1942, 18: No. 343, 158.—Duckwall, B. F. The inferiority complex in the military service. Mil. Surgeon, 1932, 71: 387-98.—Goitein, P. L. The role of organ inferiority in constellating a castration complex. Brit. J. M. Psychol., 1928, 8: 194-7.—Gregory, M. S. Emotions in medicine: the inferiority complex. J. Oklahoma M. Ass., 1932, 25: 468-71.—Heidbreder, E. P. The normal inferiority complex. J. Abnorm. Psychol., 1926-27, 22: 243-58.—What is the inferiority complex? Discovery, Lond., 1929, 10: 232-4.—Wright, H. W. The inferiority complex and its psychiatric significance. California West. M., 1925, 23: 867-9.

INFERIORITY feeling.

See also **Emotion—in disease; Feeling; Genital crisis; Group, Relation of individual; Individual psychology; Psychoneurosis; Sentiment, etc.**; also such headings as **Crippled; Defect; Defective, etc.**

ADLER, A. Study of organ inferiority and its psychical compensation; a contribution to clinical medicine; authorized transl. by S. E. Jelliffe. 86p. 8°. N. Y., 1917.

Ackerson, L. Inferiority attitudes and their correlations among children examined in a behavior clinic. J. Genet. Psychol., 1943, 62: 85-96.—Adler, A. The feeling of inferiority and the striving for recognition. Proc. R. Soc. M., Lond., 1926-27, 20: Sect. Psychiat., 25-30.—The feeling of inferiority and its compensation. Bull. N. York Acad. M., 1927, n. ser., 3: 254-6.—Yvain, der Löwenritter. Internat. Zschr. Individpsychol., Wien, 1935, 13: 185-9.—Alexander, F. Remarks about the relation of inferiority feelings to guilt feelings. Internat. J. Psychoanal., Lond., 1938, 19: 41-9.—Allendy, R. Sentiment d'infériorité, homosexualité et complexe de castration; observation d'un cas clinique. Rev. fr. psychanal., 1927, 1: 505-48.—Bauermeister, H. Zum Problem der hässlichen Frau. Internat. Zschr. Individpsychol., 1929, 7: 436-43.—Blanton, S., & Peale, N. V. Self-criticism, failure and success. In their Faith is the Answer, N. Y., 1940, 110-32.—Boisen, A. T. Personality changes and upheavals

arising out of the sense of personal failure. *Am. J. Psychiat.*, 1923-26, 5: 530-51.—**Faterson, H. F.** A study of the Minnesota rating scale for measuring inferiority attitudes. *J. Social Psychol.*, 1930, 1: 463-93. —Organic inferiority and the inferiority attitude. *Ibid.*, 1931, 2: 87-101.—**Fenlason, A. F.**, & **Hertz, H. R.** The college student and feelings of inferiority. *Ment. Hyg., Alb.*, 1938, 22: 389-99.—**Friedmann, A.** Kind der Krise. *Internat. Zschr. Individpsychol.*, Wien, 1934, 12: 47-9.—**Gardner, G. E.**, & **Pierece, H. D.** The inferiority feelings of college students. *J. Abnorm. Psychol.*, 1929-30, 24: 8-13.—**Gordon, R. G.** Envy, hatred and malice. *Med. Press & Circ.*, Lond., 1933, 135: 239-41.—**Hanks, L. M., jr.** Cultural definition of objectification and subjectification of failure and its relation to certain neurotic reactions. *Psychol. Bull.*, 1941, 38: 582.—**Heuyer, G.**, & **Dublineau, J.** Le vol généreux. *Sem. hôp. Paris*, 1932, 8: 419.—**Holub, A.** Aus der neuesten Literatur über Organminderwertigkeit. *Internat. Zschr. Individpsychol.*, Wien, 1929, 7: 325-9. —Körperdefekt und Organminderwertigkeit als Faktoren der Selbsterziehung. *Ibid.*, 1930, 8: 115-9.—**Holub, M.** Das kindliche Minderwertigkeitsgefühl und seine Kompensation. *Ibid.*, 1934, 12: 112-23. —& **Zanker, A.** Das gehasste Kind. *Ibid.*, 1929, 7: 230-5.—**Howe, E. G.** Motives and mechanisms of the mind; guilt and inferiority; inferiority. *Lancet*, Lond., 1931, 1: 601-4.—**Jastrow, J.** The inferiority feeling. In his *Getting More Out of Life*, N. Y., 1940, 168-75.—**Kogerer, H.** Ueber das physiologische Minderwertigkeitsgefühl des Mannes. *Zbl. Psychother.*, 1938, 10: 29-32.—**Krankheit als geistiger Antrieb.** *Internat. Zschr. Individpsychol.*, Wien, 1935, 13: 215-7.—**Moraitis, D.** Der lebende Tote. *Ibid.*, 1937, 15: 80-2.—**Müller, A.**, & **Vértes, T.** Ein Fall von Organminderwertigkeit. *Ibid.*, 1929, 7: 238.—**Opedal, L. E.** Jim's Frankenstein. *Ibid.*, 1936, 14: 227-38.—**Plewa, F.** Seelische Schwierigkeiten. *Ibid.*, 1935, 13: 146-58.—**Roback, A. A.** Pioneers of the inferiority theory. *Character & Personality*, 1934, 2: 288-92.—**Saussure, R. de.** Les sentiments d'infirmité. *Ann. méd. psychol.*, Par., 1935, 93: pt 2, 556-64. —Ueber Minderwertigkeitsgefühle. *Psychother. Prax.*, Wien, 1936, 3: 4-9.—**Schroeder, T.** Guilt and inferiority-feeling as creator of religious experience. *Psychoanal. Rev.*, 1929, 16: 46-54.—**Seidler, R.** Rivalität der Geschwister. *Internat. Zschr. Individpsychol.*, Wien, 1929, 7: 225.—**Smith, M. E.** A study of the causes of feelings of inferiority. *J. Psychol.*, Provincet., 1938, 5: 315-32.—**Smith, R. B.** The measurement of inferiority feelings at the high school level. *Psychol. Bull.*, 1932, 29: 633.—**Stekel, W.** Zur Psychologie der Minderwertigkeitsgefühle. *Psychother. Prax.*, Wien, 1936, 3: 1-3.—**Sumpf, E.** Selbstwertgefühl und seelisches Gleichgewicht. *Internat. Zschr. Individpsychol.*, Wien, 1928, 6: 36-8.—**Würtl, H.** Die Bedeutung der Verkrüppelung für die Charakterbildung. *Fortsch. Med.*, 1931, 49: 141; 183.—**Young, K.** Reactions to inferiority feelings. In his *Person. & Probl. Adjust.*, N. Y., 1941, 389. —Withdrawal by fantasy. *Ibid.*, 394-9.

INFERIOR vena cava.

See *Caval veins*.

INFERTILITY.

See under *Fertility*.

INFIBULATION.

See also *Chastity*, *Girdle*; *Circumcision*; *Genitals*, *Deformation and mutilation*; *Puberty*; *Virginity*.

DINGWALL, E. J. Male infibulation. 145p. 8°. Lond., 1925.

A. Die zugenähten Frauen (ein Brauch im Somaliland) *Zschr. ärztl. Fortbild.*, 1935, 32: 729.—**Arthur, J. W.** Female circumcision among the Kikuyu. *Brit. M. J.*, 1942, 2: 498.—**Heller, J.** Ein Beitrag zur Geschichte der Infibulation. *Arch. Frauenk.*, 1927, 13: 277-80.—**Levy-Lenz.** Ein Fall von Infibulation bei einem Infantilem. *Med. Klin.*, Berl., 1929, 25: 1619.—**Melly, J. M.** Infibulation. *Lancet*, Lond., 1935, 2: 1272.—**Ploss, H.**, **Bartels, M.**, & **Bartels, P.** Die Infibulation oder die Vernähung der Mädchen. In their *Das Weib*, 11. Aufl., Berl., 1927, 1: 386-92. —Das Wiederaufschneiden der infibulierten Weiber. *Ibid.*, 392-6.—**Worsley, A.** Infibulation and female circumcision; a study of a little-known custom. *J. Obst. Gyn. Brit. Empire*, 1938, 45: 686-91.

INFINITY.

See also *Cosmogony*.

Hall, G. S. Infinity neurosis. In his *Adolescence*, N. Y., 1904, 2: 159.—**Tarozzi, G.** L'infinito e la scienza. *Riv. psicol.*, 1923, 19: 53.

INFIRMARY.

See *Hospital*, small.

INFIRMIERE (L') française. Par., v.1-11, No. 1, 1923-33.

INFLAMMATION.

See also *Gangrene*; *Infection*; *Pus*; *Suppuration*; *Ulceration*; also names of organs and of inflammatory diseases as *Appendicitis*; *Cornea*, *Inflammation*; *Pneumonia*, etc.

BENEKE, R. Julius Cohnheim: Ueber Entzündung und Eiterung. 85p. 12°. Lpz., 1914.

Bier, A. Die Entzündung. *Arch. klin. Chir.*, 1933, 176: 407-549. Also *Wien. med. Wschr.*, 1933, 83: 618-22.—**Borst, M.** Entzündung. *Münch. med. Wschr.*, 1932, 79: 253; 298. Also *Dia méd.*, B. Air., 1932-33, 5: 838-49.—**Cheate, G. L.** Inflammation. *Lancet*, Lond., 1933, 1: 893-6. —Inflammation: Hunter's views and modern conceptions. *Brit. M. J.*, 1936, 1: 1148-50.—**Freschi, F.** Proposizioni relative alla flogosi. *Gior. progr. pat.*, Vencz., 1841, 15: 521-30.—**Gruber, G. B.** Ueber Entzündung. *Tungchi med. Mschr.*, 1927-28, 3: 381-94. Also *Rev. méd. Hambourg*, 1927, 8: 189-94.—**Hercelles, O.** Inflammation. *Crón. méd.*, Lima, 1931, 48: 124; 260; 312; 372.—**Karsner, H. T.** Inflammation. *Pract. Libr. M. & S. (Appleton)* N. Y., 1932, 50: 1131-45.—**Nicod, J. L.** L'inflammation. *Rev. méd. Suisse rom.*, 1942, 62: 560-9.—**Penna de Azevedo, A.** Inflamação. *Acta med.*, Rio, 1940, 5: 377-96, pl.—**Rao, D. V.** Are shotha and shopha same? *J. Ayurveda*, 1938, 14: 465.—**Roussy, G.**, **Leroux, R.**, & **Oberling, C.** Le domaine de l'inflammation. *Presse méd.*, 1929, 37: 1621-4.

— *allergic*.

See also *Allergy*, *Pathology*; also names of hyperergic inflammations as *Glomerulonephritis*, *Etiology*, etc.

SPILLER, P. *Zusammenfassende Darstellung der experimentellen Erforschung der allergisch-hyperergischen Entzündung [Münster] 44p. 8°. Würzb., 1937.

Ado, A. D. [Correlations between common inflammation and Arthus' and Schwartzman's phenomena] *Tr. Vseros. konf. patologov* (1934) 1935, Moskva, 180-9.—**Alpern, D.**, **Bezuglov, V.** [et al.] [On hyperergic inflammations (parts 1 and 5)] *Ukrain. med. arch.*, 1932, 8: 10-34.—**Badylkes, S. O.**, & **Fedorov, N. A.** [Role of the nervous system in sensibilization and in hyperergic inflammation] *Ter. arkh.*, 1935, 13: 27-31.—**Biseoglie, V.** Studi sull'infiammazione allergica; stato attuale del problema: aspetti quesiti. *Riv. pat. sper.*, 1934-35, 12: 76-104.—**Büngeler, W.** Beiträge zur pathologischen Physiologie der Entzündung; die Beeinflussung des Organstoffwechsels durch die hyperergische Entzündung. *Frankf. Zschr. Path.*, 1931, 42: 126-32.—**Debonera, G.**, **Tzortzakis, N.**, & **Falchetti, E.** Inflammation et phénomène de Schwartzman. *C. rend. Soc. biol.*, 1932, 109: 24-6.—**Falchetti, E.**, & **Carlinfanti, E.** L'état anaphylactique provoqué chez le cobaye par l'inoculation de sérum dans un foyer d'inflammation. *Ibid.*, 1933, 12: 10-13.—**Heerup, L.** [Allergic inflammation and certain experimental allergic changes in tissues and organs] *Hospitalstidende*, 1938, 81: 577-606.—**Kaiserling, H.** Untersuchungen zur Frage der Beziehungen des Nervensystems zur allergisch-hyperergischen Entzündung. *Virchows Arch.*, 1937, 299: 253-69; 1938, 301: 111-39.—**Kauffmann, F.** Entzündung und Körperverfassung (zur Diagnostik unspezifisch-allergischer [immunbiologischer] Zustandsänderungen) *Klin. Wschr.*, 1928, 7: 1309-15.—**Toxischer Eiweisszerfall.** *Entzündung und Allergie.* *Zschr. ärztl. Fortbild.*, 1935, 32: 33; 68. —Beobachtungen über lokale entzündliche Allergie. *Zschr. klin. Med.*, 1938-39, 135: 572-87.—**Kline, B. S.**, & **Young, A. M.** Cases of reversible and irreversible allergic inflammation. *J. Allergy*, 1934-35, 6: 258-72.—**Klinge, F.** Die Merkmale der hyperergischen Entzündung. *Klin. Wschr.*, 1927, 6: 2265-7. —Allergie und Entzündung. In *Norm. Krankh. Steuerung* [etc.] (Adam, C.) Jena, 1937, 204-14.—**Knepper, R.** Die Ionenkonzentration der allergisch-hyperergischen Entzündung. *Klin. Wschr.*, 1937, 16: 188-90.—**Lasowsky, J. M.**, **Vyrovaev, D. N.**, & **Jurmann, M. N.** Der Verlauf der hyperergischen Entzündung in der Gewebe bei kurzfristiger Reizung des Nerven. *Virchows Arch.*, 1935, 295: 334-42.—**Lewin, I. E.** Zur Zytologie der hyperergischen Entzündung. *Beitr. path. Anat.*, 1937, 99: 261-74.—**Massimello, F.** Localizzazione clettiva di una infiammazione iperergica attiva locale e infezione. *Gior. batt. immun.*, 1934, 13: 653-60.—**Miguanov, B. I.** [Local hyperergic inflammation] *J. mikrob.*, Moskva, 1932, 9: 415-32.—**Moritz, A. R.** The relation of altered local tissue reactivity (Schwartzman phenomenon) to infection and inflammation. *J. Exp. M.*, 1937, 66: 603-16.—**Nicoletti, V.** Contributo allo studio dell'inflammation iperergica. *Pathologica*, Genova, 1928, 20: 74-86.—**Pelezar, K.**, **Samborski, J.**, & **Brèza, M. de.** Ueber den Einfluss von Kephalin auf den Verlauf der allergischen Entzündung. *Zschr. ges. exp. Med.*, 1937-38, 102: 185-91.—**Rathery, F.**, **Doubrow, S.** [et al.] De la dégradation fibrineuse du collagène dans l'inflammation allergique. *C. rend. Soc. biol.*, 1939, 131: 1261-3.—**Rössle, R.** Zur Kritik der allergischen Entzündung; Bemerkungen zur vorstehenden Arbeit von U. Graff. *Virchows Arch.*, 1937, 299: 359-62.—**Samtsov, V. A.** [Inflammation and anaphylaxis] *Arkh. pat. anat.*, Moskva, 1939, 5: No. 5, 37-40.—**Stenn, F.** Hyperergic inflammation.

Arch. Path., Chic., 1938, 26: 244-55.—Vyropaev, D. N. Der Verlauf der hyperergischen Entzündung im denervierten Gewebe. Virchows Arch., 1935, 295: 65-85.

Blood and cardiovascular system.

See also Chemotaxis; Hyperemia; Leukocytosis; Lymphocytosis; Phagocytosis, etc.

PAASCHE, G. *Das lokale Blutbild bei Entzündungen [Greifswald] 33p. 21cm. Lenge-
rich, 1937.

Abramson, H. A. The mechanism of the inflammatory process. J. Exp. Med., 1927, 46: 987-1029, 5 pl. — The mechanism of the inflammatory process; electrophoretic migration of inert particles and blood cells in gelatin sols and gels with reference to leucocyte emigration through the capillary wall. J. Gen. Physiol., 1927-28, 11: 743-56.—Abrikossow, A. I. Ueber allergische Veränderungen der Blutgefäße im Bereich lokaler entzündlicher Prozesse. Virchows Arch., 1935, 295: 669-78.—Ado, A. D. Ueber die Ladung der Leukozyten im entzündeten Gewebe. Zschr. ges. exp. Med., 1931, 79: 752-62. — Ueber den Verlauf der oxydativen und glykolytischen Prozesse in der Leukozyten des entzündeten Gewebes während der Phagocytose. Ibid., 1933, 87: 473-80.—Bier, O., & Rocha e Silva, M. Mechanismo do aumento de permeabilidade capillar na inflamação, com especial referencia ao papel da histamina. Arch. urug. med., 1938, 12: 397-411. Also Virchows Arch., 1938-39, 303: 325-36.—Bricker, F. & Baturenko, T. [Function of vessels in inflammation] Vrach. delo, 1931, 14: 249-55.—Büngeler, W. Beiträge zur Herkunft der polymorphkernigen Leukozyten; Entzündungsversuche unter dem Einflusse der Verteilungsleukozytose. Virchows Arch., 1928, 270: 117-49.—Christeller, E., & Eisner, G. Ueber die Verteilungsart der Blutbahn transplantierte Leukozyten im Organismus und ihre Bedeutung für die Entzündung. Klin. Wschr., 1928, 7: 2442.—Fischer-Wasels, B. Die Entstehung der Entzündungsleukozyten und die Grenzen der anatomischen Methode. Ibid., 1937, 2085; 1929, 7: 310.—Gerlach, W., & Jores, A. Die Herkunft der Exsudatleukozyten bei der akuten Entzündung. Virchows Arch., 1928, 267: 551-70.—Glusman, F. A. [On the cancerolytic properties of the blood in acute inflammation] J. méd., Kiev, 1941, 11: 175-81.—Goldner, J. Sur la néoformation des capillaires dans les tissus inflammatoires. C. rend. Soc. biol., 1932, 109: 1389-91. Also Ann. anat. path., Par., 1934, 11: 461-81.—Hoff, F. Untersuchungen über das lokale Blutbild und über Entzündungsleukozytose. Zschr. klin. Med., 1935-36, 129: 154-71.—Hopf, G. Kapillarfunktion und Entzündung. Münch. med. Wschr., 1936, 83: 691-3.—Hughes, W. H. The alteration in the bactericidal power of the blood in the presence of inflammation. Brit. J. Exp. Path., 1936, 17: 369-73.—Jochims, J. Physikalische-chemische Untersuchungen über Leukozytenwanderung. Arch. ges. Physiol., 1927, 216: 611-23.—Kolouch, F., jr. The lymphocyte in acute inflammation. Am. J. Path., 1939, 15: 413-28, 3 pl.—La Grutta, L. Ricerche fisico-chimiche sul sangue proveniente dai tessuti infiammati. Riv. pat. sper., 1929, 4: 268-82.—Lewis, W. H. Migration of painful leukocytes. Arch. exp. Zellforsch., 1927, 4: 442, pl.—Menkin, V. Studies on inflammation; mechanism of increased capillary permeability: a critique of the histamine hypothesis. J. Exp. Med., 1936, 64: 485-502, pl. — Mechanism of increased capillary permeability in inflammation. Proc. Soc. Exp. Biol., N. Y., 1936, 34: 570-2. — Isolation and properties of the factor responsible for increased capillary permeability in inflammation. Ibid., 1937-38, 36: 164-7. — Studies on inflammation; isolation of the factor concerned with increased capillary permeability in injury. J. Exp. Med., 1938, 67: 129-44, pl. — Inflammation; direct effect of changes in the hydrogen ion concentration on leukocytes. Arch. Path., Chic., 1939, 27: 115-21. — Mechanism of leukocytosis with inflammation. Ibid., 28: 760; 1940, 16: 13-32, pl.; 685. — Presence of a leukocytosis-promoting factor in inflammatory exudates. Science, 1939, 90: 237. — Note concerning the mechanism of increased capillary permeability in inflammation. Proc. Soc. Exp. Biol., N. Y., 1941, 47: 456-60.—Freund, J. Leukoocyte content of regional lymphatics in inflammation. Arch. Path., Chic., 1929, 8: 263-6.—Menkin, V., & Menkin, M. F. Studies on inflammation; a measure of the permeability of capillaries in an inflamed area. J. Exp. Med., 1930, 51: 285-93.—Möllendorff, W. von. Die Entstehung der Entzündungsleukozyten und die Grenzen der anatomischen Methode. Klin. Wschr., 1928, 7: 2481-3.—Nettleship, A. Leucocytosis associated with acute inflammation. Am. J. Clin. Path., 1938, 8: 398-404.—Nordmann, M. Kreislauf-peripherie und Entzündung. In Kreislaufferk. & ihre Behandl., Lpz., 1932, 148-58.—Pfuhl, W. Degeneration und Regeneration der glatten Muskelfasern der Arterien im Trypanblau-entzündungsherd. Frankf. Zschr. Path., 1935, 48: 433-42. — Ueber die Veränderungen an den Gefäßen im Trypanblau-Entzündungsherd. Verh. Anat. Ges., 1936, 43: 160-4.—Regenhagen, J. H. Ueber die Stasis des Blutstromes im entzündeten Blutgefäß, ihre Entstehungsursache und die Mittel zu ihrer Beseitigung. Frankf. Zschr. Path., 1927, 35: 111-23. — Ueber die alkalotische Beseitigung der Stase im entzündeten Blutgefäß. Ibid., 1928, 36: 280-315.—Rigdon, R. H. Capillary permeability in areas of inflammation produced by xylene. Arch. Surg., 1940, 41: 101-9. — Relation of capillary permeability to inflammation. South. M.

J., 1941, 34: 292-7.—Riva, R. Variazioni quantitative, qualitative ed emogramma di Schilling nel focolaio locale di infiammazione in rapporto al sangue periferico. Gazz. internaz. med. chir., 1937, 47: 749.—Schade, H., & Mayr, K. Ueber das Verhalten gesunder menschlicher Bluteleukozyten bei Milieu-änderungen innerhalb der Grenzen, wie sie den Entzündungsvorgängen entsprechen. Krankheitsforsch., 1930, 8: 261; 354; 378.—Schück, F. Kationenwirkung und Gefäßfunktion bei der Entzündung. Arch. klin. Chir., 1927, 145: 116-21.—Sechi, E. Sulla endiapedesi nel processo infiammatorio (ricerche sperimentali) Arch. sc. med., Tor., 1928, 52: 169-76, pl.—Sorkina, A. I., & Buzanova, N. F. [Titre of blood serum in inflammatory processes] Nov. khir. arch., 1939, 45: 109-11.—Takahasi, M. On the mechanism of blood-leucocytosis in experimental inflammation. Tr. Soc. path. jap., 1937, 27: 278-82.—Török, L., & Kenedy, D. Nachweis der gesteigerten Permeabilität der Blutgefäße bei der Entzündung vermittelst Durchströmungsversuche mit kolloidalen Farbstoffen. Zschr. ges. exp. Med., 1931, 77: 120-3.—Tutkewitsch, L. M., & Strum, I. J. Die Abhängigkeit der Gefäßreaktion des entzündeten Ohrs vom elektrolytischen Zustande. Ibid., 1926, 61: 142-6.—Weden, H. Die Änderung der elektrostatischen Ladung der Gewebe bei Entzündungen als Ursache der sogenannten Gefäß-permeabilität. Arch. exp. Path., Lpz., 1933, 172: 161-9.—Zander, E. Changes in blood vessels (capillary fragility) with inflammation. J. Exp. Med., 1937, 66: 637-51.

Chemistry.

MEYBOOM, C. *Ueber Reststickstoff- und Ammoniakgehalt des entzündeten Gewebes [Münster] 8p. 21cm. Bottrop, 1936.

Bricker, F. Zur Lehre von der Entzündung; Azetonkörper im Blute des entzündeten Gewebes. Arch. exp. Path., Lpz., 1928, 129: 285-7. — & Suponitzkaja, F. Zur Frage über die Veränderungen des Säure-Basengleichgewichts in dem Entzündungsgewebe. Ibid., 133: 103-6.—Duthie, E. S., & Chain, E. A polypeptide responsible for some of the phenomena of acute inflammation. Brit. J. Exp. Path., 1939, 20: 417-29, pl.—Häbler, C. Ueber eine einfache Methode zur Bestimmung der aktuellen Reaktion von Eiter und Sekreten, zugleich ein Beitrag zur physikalischen Chemie der Entzündung. Klin. Wschr., 1927, 6: 730-2. — Die Physico-Chemie der Entzündung und der Wundheilung. Erg. Chir. Orthop., 1928, 21: 421-56. — Die physikalische Chemie der Entzündung. In Phys. chem. Med. (Häbler, C.) Dresd., 1939, 78-111.—Husfeldt, E. [Proteolytic enzymes in leukocytes and their influence on local inflammatory processes in acute inflammation] Hospitalstidende, 1930, 73: 502-13.—Kerner, Y. M. [Reactive inflammation as a problem of colloidal albuminoids] Dnipropetr. med. J., 1928, 7: 118-42.—La Cava, G. Infiammazione e pH organico. Rinasce, med., 1938, 15: 39-43.—Loos, H. O. Histamin und Entzündung. Wien. klin. Wschr., 1935, 48: 196.—Marinesco, G. Du rôle des ferments oxydants dans la production de la fièvre et des inflammations. C. rend. Acad. sc., 1922, 175: 1114-6.—Mednikian, G. A., & Shcherbakov, S. A. [Fluctuations of the residual nitrogen of the blood in painful inflammation] J. Physiol. USSR, 1936, 20: 357-63.—Menkin, V. Studies on inflammation; on the formation of a chemotactic substance by enzymatic action. J. Exp. Med., 1938, 67: 153-8.—Pallotti, A. Azione degli estratti di tessuti infiammati sull'accrescimento degli espianti di milza embrionale di pollo. Bull. sc. med., Bologna, 1935, 107: 535-8.—Parodi, L., & La Ragione, A. Il comportamento dei polipeptidi del siero di sangue negli stati infiammatori infettivi. Arch. ital. chir., 1937, 47: 645-78.—Pinchassik, M. Ueber einige physikalisch-chemische Veränderungen des Venenblutserums bei lokalen reaktiven Prozessen. Zschr. ges. exp. Med., 1930, 72: 684-9.—Rohde, C. Die Verschiebungen der Wasserstoffkonzentration bei der Entzündung. Mitt. Grenzgeb. Med. Chir., 1926, 40: 85-98. — Entzündung und Wasserstoffkonzentration. Deut. med. Wschr., 1927, 53: 352.—Rugiero, H. R., & Tanturi, C. A. Estudios sobre inflamación; relación entre el cuadro celular local y el pH. Bol. Inst. clín. quir., B. Air., 1941, 17: 1103-13.—Stetsiura, A. T. [On the oxidation-reduction process in acute inflammation] J. méd., Kiev, 1941, 11: 203-14.—Török, L., Rajka, O., & Kenedy, D. [Effect of tissue substances developed in inflammation upon the biochemical phenomena observed in vitro] Orvosképzés, 1934, 24: dec. kölföl. (Apponyi Festschr.) 13-6.—Trincas, M., & Pescatori, F. Controlli sperimentali delle variazioni del pH nei processi infiammatori. Pathologica, Genova, 1938, 30: 344-7.—Tutkewich, L. Die Elektrolyten des Blutes aus entzündlichem Gewebe (Beitrag zur Molekular-pathologie des entzündlichen Prozesses) Zschr. ges. exp. Med., 1927, 54: 342-50.—Weiss, C., Kaplan, A., & Larson, C. E. Studies on inflammation; proteinase and peptidase activity of polymorphonuclear leukocytes, monocytes, and epithelioid cells of pleural inflammatory exudates. J. Biol. Chem., 1938, 125: 247-57.

chronic.

Favre & Dechaume, J. Adénome ou inflammation: les reconstructions épithéliales dans l'inflammation chronique. J. méd. Lyon, 1928, 9: 717-32. — L'hypergénèse nerveuse dans l'inflammation chronique. Ibid., 1930, 11: 721-34. Also Bull. histol. appl., Par., 1932, 9: 33-56. — & Girard, P. Lésions des pédicules nerveux viscéraux dans l'inflammation

chronique. *Ann. anat. path.*, Par., 1933, 10: 1127-30.—Hesse, F. Der Einfluss der Kost auf chronisch-entzündliche Erkrankungen. *Beitr. klin. Chir.*, 1930-31, 151: 589-602.—Hite, K. E. In vitro and in vivo action of chronic inflammatory tissue on certain antigens and antibodies. *Arch. Path.*, Chic., 1939, 27: 802.—Pagano, G. Un pensiero sull'infiammazione cronica. *Filiatre sebezio*, Nap., 1840, 19: 241-4.—Scott, J. Surgical observations on the treatment of chronic inflammation, in various structures, particularly as exemplified in disease of the joints. *Month. J. Foreign Med.*, 1828, 2: 167-70.

Clinical aspect.

Bárány, R. Neurologisch interessante Resultate und Fragestellungen, hervorgegangen aus Untersuchungen über aseptische Entzündung beim Menschen. *Acta psychiat. neur.*, Kbh., 1933, 8: 205-7.—Boyd, W. Inflammation. In *Textb. Surg.* (Christopher, F.) 3. ed., Phila., 1942, 1-6.—Burgsdorf, M. V., & Kalinina, N. V. [Local inflammatory focus as an index of the immunobiological state of the constitution] *Klin. med.*, Moskva, 1940, 18: No. 2: 138-47.—Burrows, H. The induction of inflammation in the treatment of malignant and other local diseases. *Lancet*, Lond., 1929, 2: 603-5.—Busse, P. Das Entzündungsproblem in Theorie und Praxis. *Med. Welt.*, 1927, 1: 865-7.—Cheate, G. L. Inflammation. *Surg. Gyn. Obst.*, 1933, 56: 310-6.—Flesch, A. [Acute and chronic inflammation in childhood] *Orv. hetil.*, f935, 79: 227-32.—Jura, V. Malattie infiammatorie acute e croniche. In *Manuale chir.* (Alessandri, R.) Roma, 1934, 1: 351-92.—McFarland, J. Inflammation. In *Cyclop. Med.* (Piersol-Bortz) Phila., 1939, 7: 798-815.—Mendini, L. L'angioidesi attiva sanguigna non differisce essenzialmente, ma soltanto di grado dalla flogosi; è perciò più esatto chiamarla sub-flogosi. *Mem. med. contemp.*, Venez., 1841, 6: 349-59.—Menkin, V. Some problems of inflammation related to surgery. *Lancet*, Lond., 1935, 1: 981-4.—Pólya, J. [Inflammation] *Gyógyászat*, 1935, 75: 511; 531; 560.—Reports (The) of the two referees (Sir) James Paget and John Goodsir in the possession of the Royal Society. *Brit. J. Surg.*, 1933, 20: 462-6.—Rubashev, S. M. [Mortality in inflammatory diseases] *Vest. klir.*, 1931, 24: 30-44.—Strauch, C. B. The significance of the inflammatory reaction for surgery. *Am. J. Surg.*, 1929, n. ser., 6: 471-4.

Cytology.

See also other subheadings.

Hug, O. *Die Beziehungen zwischen Zellpolymorphismus und Entzündung untersucht an einem Fall von figuriertem Rundzellensarkom der Haut. 45p. 8° Zür., 1904.

Bauer, K. Beitrag zur Frage der Makrophagengese im entzündeten Gewebe bei vitalgespeicherten Tieren. *Zschr. Zellforsch.*, 1929, 9: 155-82.—Büngeler, W., & Wald, A. Beiträge zur Herkunft der polymorphkernigen Leukozyten; die Bedeutung der Kupfferschen Sternzellen bei der Entzündung. *Virchows Arch.*, 1928, 270: 150-78.—Forbus, W. D. Variation in morphologic reaction to injury; a discussion of certain aspects of the process of inflammation, with special reference to the large mononuclear wandering cells and factors governing their response to injury. *South. M. J.*, 1939, 32: 1208-16.—Grossmann, W., & Wollheim, E. Experimentelle Untersuchungen über die Bedeutung von Kationen für die zellulären Reaktionen bei der Entzündung. *Deut. med. Wschr.*, 1926, 52: 1724.—Henschen, F. [Reaction of fixed mesenchyma cells in inflammatory cells]. In *Atlas Anat. Path.* (Bernier, J. L., et al.) 2. ed., Chic., 1942, 2, pl.—Karmally, A. Untersuchung über die Frage nach der Herkunft der Entzündungszellen, insbesondere über die Umwandlung emigrierter Lymphocyten in Polyblasten. *Beitr. path. Anat.*, 1929, 82: 92-101.—Lang, F. J. Rôle of endothelium in the production of polyblasts (mononuclear wandering cells) in inflammation. *Arch. Path.*, Chic., 1926, 1: 41-63.—Maximow, A. Ueber die Entwicklungsfähigkeiten der ungranulierten Bluteleukozyten. *Wien. klin. Wschr.*, 1928, 41: 1609-13.—Meier, R. Ueber den Einfluss entzündungserregender Einwirkungen auf Bewegung, Wachstum und Stoffwechsel isolierter Zellen und Gewebe; Beitrag zur Analyse der zellulären Reaktionen beim Entzündungsvorgang. *Zschr. ges. exp. Med.*, 1933, 87: 283-339.—Menkin, V. Studies on inflammation; concerning the mechanism of cell migration. *J. Exp. M.*, 1938, 67: 145-52, 2 pl.—Müllendorff, W. von. Die örtliche Zellbildung in Gefässwänden und im Bindegewebe. *Münch. med. Wschr.*, 1927, 74: 135-9.—Seemann, G. Ueber die Beziehungen zwischen den kernigen Blut- und Bindegewebelementen und über ihre Rolle bei Entzündung. *Arch. exp. Zellforsch.*, 1931, 11: 162-4 [Discussion] 167-9.—Silberberg, M. Blut und Entzündungszellen. In *Handb. allg. Hamat.* (Hirschfeld) Berl., 1932-33, 1: 2. Hälfte, 1319-72, 9 pl.—Orzechowski, G. Versuche über die örtliche Entstehung von Blut- und Entzündungszellen. *Virchows Arch.*, 1928, 269: 29-324.—Sofotero, A. K. [Changes of the cell nuclei of stratified epithelium from the effect of acute inflammation] *Arch. biol. nauk*, 1939, 55: No. 2: 69-81.—Tannenber, J., & Möller, W. Beiträge zur pathologischen Physiologie der Entzündung; die Herkunft der Entzündungszellen bei der traumatischen Entzündung an der Froschzunge (Cohnheimscher Versuch) *Frankf. Zschr. Path.*, 1932, 44: 72-84.—Wallgren, A. [Inflam-

matory cells] *Fin. läk. säll. hand.*, 1929, 71: 393-411. Also *Arb. Path. Inst. Helsingfors*, 1930, n. F., 6: 65-80.—Weatherford, H. L. Chondriosomal changes in connective-tissue cells in the initial stages of acute inflammation. *Zschr. Zellforsch.*, 1933, 17: 518-41.

Defensive role.

See also subheading Inflammation, Nature; also Immunity, tissue.

Bianchi, A. E. Defensa e inflamación; restricción del concepto de la segunda, a los procesos reaccionales por infección. *An. Fac. cienc. méd. La Plata*, 1937, 2: 29-36.—Boquet, A., & Stamatin, N. Action empêchante des foyers inflammatoires sur l'évolution du charbon bactérien. *Ann. inst. Pasteur*, Par., 1939, 63: 9-40.—Finucci, V. Réactions défensives de l'organisme vis-à-vis de la flore microbienne des foyers inflammatoires purulents. *Boll. Sez. ital. Soc. internaz. microb.*, 1930, 2: 457-9.—Menkin, V. Inflammation; a protective mechanism. *Arch. Int. M.*, 1931, 48: 249-61.—Studies on inflammation; fixation of bacteria and of particulate matter at the site of inflammation. *J. Exp. M.*, 1931, 53: 647-60.—The rôle of inflammation in immunity. *Physiol. Rev.*, 1938, 18: 366-418.—Etudes sur l'inflammation. *Rev. immun.*, Par., 1939, 5: 113-37.—Inflammation: a mechanism in bodily defense. In *Med. Surg. Tributes to H. Brunn*, Berkeley, 1942, 275-84.—Opie, E. L. Inflammation and immunity. *J. Immun.*, Balt., 1929, 17: 329-42.—Ramon, G., Lemetayer, E. [et al.] La réaction inflammatoire au point d'injection dans l'immunisation concentrée et la résistance à l'intoxication spécifique ou non spécifique. *Rev. immun.*, Par., 1937, 3: 525-9.—Rich, A. R. Inflammation in resistance to infection. *Arch. Path.*, Chic., 1936, 22: 228-54.—Theilhaber, A. Die Bedeutung der Entzündung für die Verhütung, Entstehung und Behandlung von Krankheiten. *Wien. klin. Wschr.*, 1926, 39: 125-7.

Diagnosis, and symptomatology.

See also Hyperemia; Pain; Tumor, etc.

Schrakamp, G. Eine physiologische Erklärung der Entzündungserscheinungen. 76p. 8° Schönberg, 1919.

Aguiar, A. d'. Considerações sobre o diagnostico dos derrames pathologicos; especialmente sobre a sua origem neoplásica. *Porto med.*, 1906, 3: 333-8.—Belenkaia, G. M., & Fatianova, L. N. [Staining reaction of pus corpuscles according to Zeiderhelm as criterium for evaluation of inflammatory processes] *Khirurgia*, Moskva, 1939, No. 11: 75-8f.—Di Natale, L. Temperatura e focolaio infiammatorio. *Arch. sc. Nat.*, Tor., 1930, 54: 685-97.—Engel, K. [Differentiation of collections of inflammatory and non-inflammatory fluid] *Gyógyászat*, 1937, 77: 605.—Gamma, C. Sintesi di diagnostica medica. *Minerva med.*, Tor., 1938, 29: pt 1, 501-6.—Heuer, G. J., & Conway, H. Regional and general temperature response following experimentally induced acute inflammation and infection. *Arch. Surg.*, 1940, 40: 917-28.—Lamma, A. Sulla genes del calore nella infiammazione acuta. *Arch. sc. med.*, Tor., 1931, 55: 121-37.—Schade, H., Haagen, W. W., & Schmidt, K. H. Thermoelektrische Messung der Wärmeverhältnisse am Ort der Entzündung. *Zschr. ges. exp. Med.*, 1932, 83: 95.—Scheurer, O., & Müller, G. Das Verhalten der Hauttemperatur bei verschiedenen Erkrankungen, insbesondere bei Entzündungen. *Deut. Arch. klin. Med.*, 1937-38, 181: 566-78.—Tschoueyres, E. Les phénomènes fluxionnaires. *Paris méd.*, 1937, 105: 87-91.

Etiology.

See also names of bacterial, chemical, mechanical and toxic irritants.

Eppinger, H. Ueber Ermüdung, Entzündung und Tod. *Zschr. klin. Med.*, 1937-38, 133: 1-35.—Käser, R. Ueber den Einfluss quantitativ und qualitativ verschiedener Eiweisskost auf die Entzündungsbereitschaft der Körpergewebe. *Ausz. fnaugur. Diss. Med. Fak. Univ. Bern* (1935-37) 1938, No. 174, 1-3.—Müller, O. Ueber Entzündung und Konstitution. *Zschr. Kreislaufforsch.*, 1940, 32: 649-66.—Wirz, F. Druck und Entzündung. *Arch. Derm. Syph.*, Berl., 1926, 151: 208-11.

experimental.

Alpern, D. E., & Tutkewitsch, L. M. Zum Entzündungsgriff; experimentelle Untersuchung. *Zschr. ges. exp. Med.*, 1927, 56: 31-8.—Bárány, R. Untersuchungen über die durch subkutane und intramuskuläre Einspritzungen hervorgerufene aseptische Entzündung. Veränderungen der entzündlichen Reaktion durch wiederholte Einwirkung auf dieselbe Stelle und die Bedeutung dieser Untersuchungen für Physiologie und Pathologie. *Deut. med. Wschr.*, 1932, 58: 1560.—Busse-Grawitz, P. Neue Versuche zum Entzündungsproblem. *Ibid.*, 1939, 65: 1160.—Kanevskaia, E. I. [Inflammatory reaction of isolated organs] *Tr. Gosud. inst. med. znaniy*, 1927, No. 1, 30-7.—Klinck, G. H. Effect of injection of trypan blue on rate of sedimentation of erythrocytes in inflammation. *Arch. Path.*, Chic., 1931, 12: 429-34.—Menkin, V. Studies on inflammation; fixation of a metal in inflamed areas. *J. Exp.*

M., 1930, 51: 879-87.—**Oppen, L. von.** Die entzündlichen Veränderungen am Kaninchenohr bei der Eiweißinjektion nach spezifischer und unspezifischer Vorbehandlung. *Frankf. Zschr. Path.*, 1938, 52: 29-40.—**Silberberg, M.** Entzündungsversuche an embryonalem Gewebe. *Virchows Arch.*, 1928-29, 270: 667-71.—**Wohlwill, F., & Bock, H. E.** Tierversuche zur Frage der fetalen Entzündung. *Ibid.*, 1933, 291: 864-85.

Exudative and infiltrative processes.

See also Catarrh; Cellulitis; Empyema; Exudate; Suppuration, etc.

EPPINGER, H., KAUNITZ, H., & POPPER, H. Die seröse Entzündung; eine Permeabilitäts-Pathologie; Anhang: Ueber den molekularen Aufbau der Eiweißstoffe, von H. Marks und A. von Wacke. 298p. 8°. Wien, 1935.

SCHMID, W. *Ueber Messung der Exsudatbildung bei chemischen Entzündungen. 26p. 8°. Tüb., 1933.

Aschoff, L. Ueber die Bedeutung der serösen Entzündung parenchymatöser Organe. *Wien. med. Wschr.*, 1938, 88: 1-4.—**Bier, O., & Rocha e Silva, M.** Beiträge zur Kenntnis der chemotaktischen Wirkung von Entzündungsexsudaten. *Virchows Arch.*, 1938-39, 303: 343-5.—**Eppinger, H.** Zum Problem der serösen Entzündung. *Wien. klin. Wschr.*, 1935, 48: 665-7.—**Faltischek, J.** [et al.] Ueber seröse Entzündung. *Klin. Wschr.*, 1934, 13: 1105; 1137.—**Fahr, T.** Ueber die serösen Entzündungen. *Deut. med. Wschr.*, 1936, 62: 1945-8.—**Falzy, M.** L'inflammation séreuse. *Gior. clin. med.*, 1938, 19: 145-68.—**Heinemann, K.** Experimentelle Untersuchungen zur Frage der serösen Entzündung bei Ratten, Kaninchen und Katzen. *Beitr. path. Anat.*, 1936-37, 98: 545-64.—**Inutaka, N.** Studies on the inflammatory exudation. *Tr. Jap. Path. Soc.*, 1928, 18: 341-53.—**Kaunitz, H.** Mineralstoffwechsel bei seröser Entzündung. *Mitt. Ges. inn. Med. Wien*, 1935, 34: 185-8. Also *Zschr. klin. Med.*, 1936-37, 131: 192-218.—**Ueber die Bedeutung von seröser Entzündung für die Veränderungen des Mineralgehaltes von Leber, Herz und Gehirn bei Sauerstoffmangel durch Luftverdünnung. *Zschr. ges. exp. Med.*, 1936, 100: 121-44.—**Ueber die Mineralstoffausscheidung nach Belastung mit verschiedenen Salzen und ihre Beziehungen zur Hemmung der serösen Entzündung durch vegetarische Kost. *Biochem. Zschr.*, 1937, 293: 142-56.—**Ergebnisse der Untersuchungen über seröse Entzündung. *Zbl. inn. Med.*, 1937, 58: 657; 673; 690.******

Schober, B. Ueber die Veränderungen der elektrostatischen Kräfte im Gewebe bei seröser Entzündung. *Zschr. klin. Med.*, 1936-37, 131: 219-40.—**Selzer, L.** Respirationsversuche über den Sauerstoffbedarf bei verschiedenen mit seröser Entzündung einhergehenden Gewebsschädigungen. *Zschr. ges. exp. Med.*, 1938, 103: 643-53.—**Kaunitz, H., Neugebauer, R., & Schweiger, E.** Ueber den Histamingehalt der Organe bei seröser Entzündung. *Ibid.*, 627-37.—**Koldasch, B., & Altschuler, M.** Zur Frage über die aktive Reaktion der Exsudate bei chronischen und akuten Entzündungen. *Zschr. Immunforsch.*, 1930, 69: 18-24.—**Kredel, F. E., & Van Sant, H. M.** Viability of cells in inflammatory exudates. *Arch. Path.*, 1936, 22: 464-9.—**Manzini, C.** Ricerche di istofisica nella infiammazione serosa e nelle necrosi da istamina e da tirossina. *Boll. Soc. ital. biol. sper.*, 1939, 14: 66-8.

Mayer, J. Die seröse Entzündung und der Mineralstoffwechsel. *Hippokrates, Stuttg.*, 1938, 9: 1177-9.—**Menkin, V.** Studies on inflammation; the cytological picture of an inflammatory exudate in relation to its hydrogen-ionconcentration. *Am. J. Path.*, 1934, 10: 193-210.—**Morpurgo, B.** L'inflammation séreuse. *Minerva med.*, Tor., 1936, 27: pt 2, 321-5.—**Rössle, R.** Ueber Grenzformen der Entzündung und über die serösen Organentzündungen im besonderen. *Klin. Wschr.*, 1935, 14: 769-73.—**Rugiero, H. R., & Tanturi, C. A.** Estudios sobre inflamación: la coagulación de los exudados inflamatorios. *Bol. Inst. clín. quir.*, B. Air., 1942, 18: 214-23. Also *Sem. méd.*, B. Air., 1942, 49: pt 2, 358-64.—**Schade, H., Claussen, F.** [et al.] Weitere Untersuchungen zur Molekularpathologie der Entzündung: Die Exsudate. *Zschr. ges. exp. Med.*, 1926, 49: 334-410.—**Török, L., Rajka, E., & Wessely, E.** Stauung, Kapillardruck und Exsudation. *Derm. Zschr.*, 1928, 53: 628-35.—**Volhard, F.** Professor H. Eppinger: Die seröse Entzündung. *Zbl. inn. Med.*, 1936, 577: 377-84.—**Werthmann, A.** Ueber seröse Entzündung. *Jahrbuch. ärztl. Fortbild.*, 1936, 27: 9-15.

Metabolism.

GöBEL, A. *Beiträge zur pathologischen Physiologie der Entzündung: Der Sauerstoffverbrauch des Gesamtorganismus bei der aseptischen Entzündung [Frankfurt] p. 133-60. 8°. Münch., 1931.

Also *Frankf. Zschr. Path.*, 1931, 42:

HESS, W. *Der Organstoffwechsel bei der aseptischen Entzündung [Frankfurt] p. 89-125. 8°. Münch., 1931.

Also *Frankf. Zschr. Path.*, 1931, 42:

Alpern, D. E., & Tutkevich, L. M. Das viscereale Nervensystem als Regulator des Gewebstoffwechsels; weitere Untersuchungen zum Entzündungsbegriff. *Zschr. ges. exp. Med.*, 1929, 67: 430-40.—**Besklekoev, T. I.** [Effect of the sympathetic nervous system on the carbohydrate metabolism in inflamed organs] *Vrach. delo*, 1939, 21: 517-20.—**Borger, G., & Groll, H.** Die Sauerstoffatmung des Gewebes bei Entzündung und Reizung. *Krankheitsforschung*, 1925-26, 2: 220-62.—**Brieker, F.** Zur Lehre von der Entzündung; der Stickstoffwechsel im Anfangsstadium der Entzündung. *Arch. exp. Path.*, Lpz., 1928, 129: 122-32.—**Reiz-beziehungsweise Erregungszustand und Entzündung. *Ibid.*, 137: 329-42.—**Suponizka, F.** Zur Lehre von der Entzündung; der Kohlenhydratstoffwechsel des entzündeten Gewebes im Initialstadium der Entzündung. *Ibid.*, 129: 100-7.—**Brieker, F., & Tscharny, A.** Zur Lehre von der Entzündung; der Gasstoffwechsel im Anfangsstadium der Entzündung. *Krankheitsforschung*, 1927, 4: 397-409.—**Büngeler, W.** Beiträge zur pathologischen Physiologie der Entzündung. *Frankf. Zschr. Path.*, 1932, 44: 1-9; 52-6.—**Candela, J. L. R.** El metabolismo en el foco inflamatorio. *Medicina, Madr.*, 1942, 10: 69-81.—**Gianotti, M.** Sul ricambio gassoso dei tessuti infiammati (nota preventiva) ricerche sperimentali. *Bol. Soc. ital. biol. sper.*, 1927, 2: 737-42.—**Sul ricambio gassoso dei tessuti nell'infiammazione. *Arch. sc. biol.*, Nap., 1929, 13: 73-96.—**Hermann, S.** Neue Untersuchungen über den Kalkhaushalt; ein Beitrag zum Entzündungsproblem. *Klin. Wschr.*, 1931, 10: 1399-401.—**Zentner, M.** Die Beeinflussbarkeit der Anfangsform des Calciums im Organismus und ihre Beziehung zum Entzündungsproblem. *Arch. exp. Path.*, Berl., 1931, 163: 219-42.—**Kaunitz, H., & Selzer, L.** Sauerstoffverbrauch von überlebendem Gewebe bei seröser Entzündung. *Zschr. ges. exp. Med.*, 1936-37, 100: 764-74.—**Also Klin. Wschr., 1937, 16: 502.—**Kempner, W., & Peschel, E.** Stoffwechsel der Entzündung. *Zschr. klin. Med.*, 1930, 114: 439-55.—**Kroetz, C.** Mineralstoffwechsel bei Entzündung und Eiweißzerfall. *Med. Welt*, 1930, 4: 1422-4.—**Menkin, V.** Gluconeogenesis and cellular injury; a further inquiry into the mechanism involved in diabetes enhanced by inflammation. *Am. J. Physiol.*, 1942-43, 138: 396-407.—**Warner, C. R.** Significance of carbohydrate metabolism and local acidosis in inflammation. *Proc. Soc. Exp. Biol.*, N. Y., 1936, 34: 594-6.—**Naso, A.** Sui processi di ossidazione dei tessuti nella infiammazione. *Riv. pat. sper.*, 1929, 4: 81-8.—**Rugiero, H. R., & Tanturi, C. A.** Estudios sobre inflamación; acidosis local y su relación con el metabolismo hidrocarbonado. *Bol. Inst. clín. quir.*, B. Air., 1941, 17: 1114-24. Also *Sem. méd.*, B. Air., 1942, 49: 577-82.******

Nature.

See also subheading Inflammation, Defensive role; also Immunity.

COSTA SOUZA FEYO, J. J. DA. *Algumas considerações sobre a natureza da inflamação. 51p. 12°. Lisb., 1865.

LOHMANN, R. *Biologie der Entzündung [Berlin] p. 316-46. 23cm. Würzb., 1938.

Also *Zschr. klin. Med.*, 1938-39, 135:

Ascoli, A. Attributi biologici dei processi infiammatori. *Arch. ital. anat. pat.*, 1931, 2: 1395-412.—**Bier, O., & Rocha e Silva, M.** Untersuchungen über Entzündung. *Virchows Arch.*, 1938-39, 303: 325-45.—**Busse Grawitz, P.** Nuevo concepto de la inflamación. *Prensa méd. argent.*, 1939, 26: pt 2, 2274-80.—**Hamburger, C.** Vom Wesen der Entzündung, nach Beobachtungen am tierischen und am Glaukomaauge. *Med. Klin.*, Berl., 1927, 23: 339.—**Henke, F., & Silberberg, M.** Wandlungen und Fortschritte in der Lehre von der Entzündung. *Klin. Wschr.*, 1932, 11: 49-53.—**Huebsehmann, P.** Grundsätzliches zur Entzündungslehre (theoretische Grundlagen und Ausblicke) *Ibid.*, 1926, 5: 1751-5.—**Consideraciones acerca de la inflamación.** *Día méd.*, B. Air., 1938, 10: 1201-4. Also *Klin. Wschr.*, 1939, 18: 297-9.—**Maresch, R.** Ueber Wandlungen in der Entzündungslehre. *Wien. klin. Wschr.*, 1934, 47: 6-10.—**Póvoa, H.** Conceito actual da inflamação. *Arch. brasil. med.*, 1931, 21: 333-42.—**Pribram, E.** Die Biologie der Entzündung. *Wien. med. Wschr.*, 1931, 81: 1171.—**Ranke, K. E.** Leben, Reiz, Krankheit und Entzündung. *Münch. med. Wschr.*, 1923, 70: 289; 330; 363.—**Roulet, F.** Die modernen Theorien der Entzündung mit besonderer Berücksichtigung der Infektionskrankheiten. *Schweiz. med. Wschr.*, 1938, 68: 1369-74.—**Sigerist, H. E.** Die historische Entwicklung des Entzündungsbegriffes. *Med. Klin.*, Berl., 1926, 22: 1242. Also *Deut. med. Wschr.*, 1927, 53: 349-52.—**Sticker, G.** Fieber und Entzündung bei den Hippokratikern. *Arch. Gesch. Med.*, 1928, 20: 150-74.—**Téchoueyres, E.** Essai d'interprétation biologique de quelques processus et structures pathologiques (inflammations, régressions, tumeurs) *Ann. anat. path.*, Par., 1935, 12: 881-96.—**Weiss, J.** Die Historie des Entzündungsbegriffes. *Wien. med. Wschr.*, 1928, 78: 571; 604; 638.—**Westenhöfer, M.** La inflamación considerada como reacción de adaptación y aumento de la especificidad genérica en animales y plantas. *Rev. méd. germ. iber. amer.*, 1938, 11: 1-6.—**Zanetti, G.** Sul concetto generale di flogosi desunto da criterii anatomo-istologici. *Atti Soc. med. chir. Padova*, 1932, ser. 2, 10: 399-404; 1933, 11: 143-70.

Pathogenesis.

ERNST, T. *Ueber die ersten Stunden der Entzündung [Genf] p.229-58. 8°. Jena, 1926.

Also Beitr. path. Anat., 1926, 75:

Abauza, A. La inflamación y el sistema nervioso. Progr. clín., Madr., 1932, 40: 279-99.—Abramson, H. A. The mechanism of the acute inflammatory process. In Colloid Chem. (Alexander, J.) N. Y., 1928, 2: 701-22.—Alpern, D. E., & Anosov, N. N. [Vegetative-nervous regulation of inflammatory process] Vrach. delo, 1936, 19: 469-72.—Aschoff, L. Ueber den Reizzustand. Beitr. path. Anat., 1937, 100: 1-12.—Bellis, C. J. A study of the physical factors concerned in inflammation; the role of hydrostatic and physicochemical forces in the establishment of certain equilibria. Surgery, 1942, 12: 251-83.—Bendandi, G. La reazione mesenchimale allo stato fisiocimico dei tessuti. Arch. sc. med., Tor., 1938, 65: 677-95.—Chiari, H. Ueber die verschiedene Reaktionsweise des Organismus auf entzündliche Reize. Wien. klin. Wschr., 1931, 44: 1329-31.—Kaiser, P. Ueber die Beteiligung des Histamins an entzündlichen Prozessen. Schweiz. Zschr. allg. Path. Bakt., 1939, 2: 267-88.—Kiesler, M. Entzündungsstudien; Untersuchungen über die durch wiederholte Applikation der Quaddelreize an dieselbe Hautstelle erzeugte funktionelle unspezifische Adiaphorie und ihr Einfluss auf die Entzündungsreaktionen. Zschr. ges. exp. Med., 1936-37, 100: 582-94.—Lauer, N. V. [Effect of the central nervous system on the development of inflammatory processes; effect of decerebration on the development of common inflammation of vertebrata] J. méd., Kiev, 1938, 8: 157-67, 4 pl. — [On the significance of the central nervous system in inflammatory processes; effect of resection of the spinal cord on the development of common inflammation (comparative-pathological view-point)] Ibid., 1939, 9: 29-38.—Maximow, A. A. Ueber die Histogenese der entzündlichen Reaktion; Nachprüfung der von Möllendorff'schen Trypanblauversuche. Beitr. path. Anat., 1929, 82: 1-26, 13 pl.—Mechanism (The) of inflammation. Brit. M. J., 1941, 1: 321.—Meltzer, Gewebveränderungen während des Entzündungsablaufs. Zbl. Chir., 1936, 63: 110.—Menkin, V. Studies on inflammation; the mechanism of fixation by the inflammatory reaction. J. Exp. M., 1931, 53: 171-7, pl. — Studies on inflammation; inhibition of fixation by urea; a further study on the mechanism of fixation by the inflammatory reaction. Ibid., 1932, 56: 157-72, 2 pl. — Studies on inflammation; a factor in the mechanism of invasiveness by pyogenic bacteria. J. Exp. M., 1933, 57: 977-91, 2 pl. — A note on the mechanism of fixation in an area of sterile inflammation. Proc. Soc. Exp. Biol., N. Y., 1933, 30: 1069-76. — Inflammation and bacterial invasiveness. Proc. Internat. Physiol. Congr. (1935) 1938, 15. Congr. 377. Also Am. J. M. Sc., 1935, 190: 583-96, 2 pl. Also Arch. Path., Chic., 1935, 20: 499. — Studies on inflammation; invasiveness and virulence in relation to resistance. J. Infect. Dis., 1936, 58: 81-91. — Mechanism of inflammation. Arch. Path., Chic., 1937, 24: 65-82. — Studies on the isolation of the factor responsible for tissue injury in inflammation. Science, 1943, 97: 165-7. — & Warner, C. R. Studies on inflammation; carbohydrate metabolism, local acidosis, and the cytological picture in inflammation. Am. J. Path., 1937, 13: 25-43, pl.—Moon, V. H. Ueber den Mechanismus der akuten Entzündung. Virchows Arch., 1934-35, 294: 465-76. Also Arch. Path., Chic., 1935, 20: 561-70. Also Phi Chi Q., Menasha 1935, 32: 468-71.—Ricker, G. Antikritisches zu Joseph Tannenbergs drei Aufsätzen über: das Stufengesetz, die Stase; die Leuko- und Erythrodiapedese. Frankf. Zschr. Path., 1925, 33: 45-71.—Rocha e Silva, M., & Bier, O. Sur la nature du facteur responsable du chimiotactisme positif des leucocytes dans l'inflammation. C. rend. Soc. biol., 1938, 129: 1138-40. — Zusätzliche Versuche über die Beziehungen von Menkin'schen Leukotaxin zum Histamin. Virchows Arch., 1938-39, 303: 337-42. — Estudos sobre inflamação; experiências com exsudatos inflamatorios pobres em histamina. Arq. Inst. biol., S. Paulo, 1939, 10: 219-34.—Speransky, A. D. Sur le rôle du système nerveux dans le processus inflammatoire. Ann. Inst. Pasteur, Par., 1930, 44: 571-83.—Starkenstein, E. Probleme der Entzündung. Deut. med. Wschr., 1931, 57: 263-6.—Trinca, F. Mechanism of inflammation. Brit. M. J., 1941, 2: 285.—Williams, J. W. Factors concerned in growth and inflammation of metals, gels, plants, and animals. Growth, Ithaca, 1941, 5: 201-16.

Pathology.

See also Degeneration; Edema; Necrosis, etc.
BECKDORF SAUNIER, E. *Estudio de la patología molecular de la inflamación en la clínica [Chile] 25p. 27cm. Santiago, 1940.
SCHADE, H. Die Molekularpathologie der Entzündung; ihre Bedeutung für das Krankheitsverstehen und Krankheitsheilen. 100p. 8°. Dresd., 1935.

Aronson, J. D. Inflammation in syphilitic and nonsyphilitic rabbits. Arch. Path., Chic., 1935, 20: 956.—Bell, E. T. Inflammation. In his Textb. Path., 4. ed., Phila., 1941, 135-71.—Bergmann, G. von. Erstiehung und Entzündung als Vorgänge einer allgemeinen klinischen Pathologie. Norsk. mag. lægevid.,

1937, 98: 1243-61.—Bohl, K. Die Klassifikation der entzündlichen Prozesse. Virchows Arch., 1929-30, 274: 612-4.—Carscadden, W. G. Early inflammatory reactions in tissues following simple injury. Arch. Path., Chic., 1927, 4: 329-5.—Coronini, C. Die Pathologie der Entzündung vom Standpunkte der embryonalen Aktivierung der Mesenchymzelle. Virchows Arch., 1936, 297: 523-34.—Dahlenburg, Sykosis-lanugo-behaarte Haut um einen chronischen Entzündungsherd. Med. Klin., Berl., 1940, 36: 1138 (Abstr.) (microfilm)—Deza Cenget, D. Histopatogenia de las inflamaciones. Prensa méd. argent., 1937, 24: 630-8.—Ernst, T. Ueber die ersten Stunden der Entzündung. Beitr. path. Anat., 1926, 75: 229-58.—Garshin, V. G. [The epithelium in irritative processes; proliferation of the epithelium during an inflammation] Tr. Vseross. konf. patologov (1934) 1935, Moskva, 95-104.—Gessler, H. Untersuchungen über Entzündung. Arch. Path., Berl., 1931, 163: 456-86.—Hanor, W. A. Recent developments in the pathology of local inflammation. J. Am. Electron. Res. Ass., 1935, 12: 51-4.—Helly, K. Ruhende Entzündung. Virchows Arch., 1930, 275: 272-7. — Der Entzündungsbegriff im Rahmen des Krankheitsbegriffes. Schweiz. med. Wschr., 1938, 68: 833.—Hofbauer, L. Zur klinischen und experimentellen Pathologie der Entzündung. Klin. Wschr., 1937, 16: 529-31.—Inflammation. In Atlas Dent. Path. (Bernier, J. L., et al.) 2. ed., Chic., 1942, 1, pl.—Khopin, N. G. [Dynamics of epithelial tissue and its significance in the conception of the role of epithelium in the inflammatory process] Tr. Vseross. konf. patologov (1934) 1935, Moskva, 105-11.—Kraft, I. A. [Investigations of the morphology of aseptic inflammation by means of staining with mixtures of vital stains] Arkh. pat. anat., Moskva, 1940, 6: No. 3, 108-14.—Labužek, K. [Investigations on reticular fibers in pathological processes; reticular fibers in inflammatory processes] Nowiny lek., 1938, 50: 269-76.—Lubarsch, O. Investigaciones sobre la inflamación. Rev. méd. germ. amer., 1931, 4: 161-9; 234.—Maresch, R. Estudios recientes sobre la patología de la inflamación. Siglo méd., 1935, 96: 606. — Zur Pathologie der Entzündung. Wien. klin. Wschr., 1935, 48: 1202-4.—Medici, M. Argomenti della quale sono, una corrosione di cuore, la riproduzione degli stami nervi, dei vasi e delle ossa, la riproduzione organica in generale, la formazione di vasi nuovi nell'inflamazione, il rimarginamento delle piaghe e delle ferite, e la suppurazione. Gior. progr. pat., Venez., 1838, 9: 68; 193.—Meltzer, H. Die mikroskopische Darstellung und Differenzierung des anorganischen Gewebegerüsts in der Chirurgie; experimentelle Untersuchungen über den Ablauf einer Entzündung. Arch. klin. Chir., 1935-36, 184: 191-209.—Oliviero, Contribution à l'étude de l'inflammation spontanée. Rev. path. comp., Par., 1917, 17: 352-7.—Programma di concorso; premio scientifico biennale dell'I. R. Istituto Veneto di scienze ed arti. Gior. progr. pat., Venez., 1846, ser. 2, 9: 159.—Rössle, R. Ueber wenig beachtete Formen der Entzündung von Parenchymen und ihre Beziehung zu Organsklerosen. Verh. Deut. path. Ges. 1934, 27: 152-64 [Discussion] 181-4.—Silberberg, M. Das Verhalten des aleukozytären und vital gespeicherten Körpers gegenüber der septischen Allgemeininfektion als Beitrag zur Entzündungs- und Monocytenlehre. Virchows Arch., 1928, 267: 483-550.—Tendeloo, N. P. [Infiltrations] Ned. t. sch. geneesk., 1934, 78: 250-8, pl.—Wald, A. Beiträge zur pathologischen Physiologie der Entzündung; über morphologische Veränderungen des entzündungsfernen und des sensibilisierten Bindegewebes. Frankf. Zschr. Path., 1931, 42: 76-88.—Wielen, K. van der. Beiträge zur pathologischen Physiologie der Entzündung; die Histologie der Entzündung bei der Agranulocytose. Ibid., 1932, 44: 34-51.—Wu, T. T. Ueber Fibrinoidbildung der Haut nach unspezifischer Gewebsschädigung bei der Ratte. Virchows Arch., 1930, 300: 373-7.

Pathology, comparative.

Cameron, G. R. Inflammation in earthworms. J. Path., Cambr., 1932, 35: 933-72, 3 pl.—Glass, E., & Krüger, E. Experimentelle Untersuchungen zur chemischbedingten Entzündung an weissen Mäusen. Deut. Zschr. Chir., 1927, 202: 241-7.—Löblein, W. Bemerkung zur Arbeit von Dr Th. G. Sklawunow: Experimentel-histologische Studien über Entzündung bei möglichst leukozytenfrei gemachten Kaninchen. Krankheitsforschung, 1925-26, 2: 334.—Malovichko, E. E. [Comparative pathology of inflammations] Odess. med. J., 1927, 2: 120-3.—Silberberg, M. Herkunft der farblosen Blutzellen und die Entzündung beim aleukozytären Tier. Med. Klin., Berl., 1927, 23: 798.

Pharmacology.

See also Analgesia; Anesthetics; Antipyretics, etc.

GUGGENHEIM, K. *Pharmakologische Beeinflussung von Entzündungsvorgängen durch Einwirkung auf die Respiration [Frankfurt a. M.] 23p. 8°. Lpz., 1930.

Also Arch. exp. Path., Lpz., 1930, 151: 279-301

Adlersberg, D., & Pertz, A. Zur pharmakologischen Beeinflussung der Entzündung. Klin. Wschr., 1933, 12: 463-5.—Amsler, C. Zur Pharmakologie und Pathogenese der Entzündung; über die durch Vergiftung mit Morphin erhöhte Entzündungsbereitschaft. Arch. exp. Path., Berl., 1932, 166: 295-300. — Zur Pharmakologie und Pathogenese der

Entzündung; vom Mechanismus der Herabsetzung beziehungs- weise Erhöhung der Entzündungsbereitschaft durch Morphin; zugleich ein weiterer Beitrag zur Frage der Gewöhnung daran. *Ibid.*, 1932, 33, 169: 246-53.—**Bernheim, A. I., Hirschhorn, L., & Mulinos, M. G.** The pharmacology of inflammation; the inhibiting effect of some benzoates. *J. Pharm. Exp. Ther.*, 1932, 44: 81-94.—**Ebel, A., & Mautner, H.** Ueber den Einfluss von Schlafmitteln auf Entzündungsvorgänge. *Wien. klin. Wschr.*, 1932, 45: 1169.—**Gsell, O.** Ueber die Abhängigkeit der Entzündungsstärke von der Gewebsreaktion (Einfluss von Aminosäuren, Wasserstoffionenkonzentration und Salzlösungen auf die Anfangsstadien der Entzündung) Krankheitsforschung, 1929, 7: 70-8.—**Hinteregger, F.** Zur Frage der kolloid-chemischen Grundlagen der Entzündungshemmung durch Adrenalin. *Zschr. ges. exp. Med.*, 1931, 78: 374-81.—**Hirschhorn, L., & Mulinos, M. G.** The pharmacology of inflammation; technic. *Proc. Soc. Exp. Biol.*, N. Y., 1930-31, 28: 168-70.—**Lipschitz, W., Peng, D.** [et al.] Studien zur Pharmakologie der Entzündung. *Arch. exp. Path., Lpz.*, 1930, 151: 267; passim.—**Lipschitz, W., & Reuter, E.** Die Wirkung wasser- und salzmobilisierender Mittel auf die Entzündungsreaktion. *Ibid.*, 1933, 171: 650-67.—**Lipschitz, W., & Schmitt, F.** Studien zur Pharmakologie der Entzündung; die Wirkung von Kochsalz und Erdalkalisalzen auf Senfötentzündung und Pockenimpfreaktion. *Ibid.*, 1932, 164: 641-66.—**Mogilevsky, E. R., & Kogurova, M. I.** [Mechanism of anti-inflammatory action of dechlorizing therapeutic methods] *Kazan. med. J.*, 1940, 36: No. 3, 53-60.—**Patton, E. W.** Effect of vitamins on infection and inflammation. *South. M. J.*, 1941, 34: 289-92.—**Pihar, O.** [Significance of L-ascorbic acid in inflammatory processes] *Cas. lék. čes.*, 1941, 80: 69.—**Progulski, S., & Heschele, J.** Entzündungsstudien; über die Beeinflussung entzündlicher Dermoreaktionen durch simultanen und lokal applizierte pharmakodynamische Wirkungen. *Zschr. ges. exp. Med.*, 1929, 64: 336-51.—**Rigdon, R. H., & Warren, J. W.** Amniotic fluid, amfetin, in its relation to inflammation; observations in the rabbit and in man. *Am. J. Surg.*, 1941, 53: 481-5.—**Saker, G.** Sulfamidwirkung auf die bakteriotoxische Entzündung. *Bull. War M. Lond.*, 1942-43, 3: 226 (Abstr.)—**Schmid, W.** Versuche zur Entzündungshemmung und Gerbsäurewirkung. *Arch. exp. Path., Berl.*, 1936-37, 184: 93.—**Starkenstein, E.** Pharmakologie der Entzündung. In *Handb. norm. path. Physiol.* (Bethé et al.) *Berl.* 1929, 13: 340-401. — Probleme der Entzündung vom pharmakologischen Standpunkt aus. *Arch. exp. Path., Lpz.*, 1930, 157: 22-41.—**Wedem, H.** Die Beeinflussung der elektrostatischen Ladung der Gewebe durch Arzneistoffe (ein Beitrag zum Problem: Permeabilität und Entzündung) *Biochem. Zschr.*, 1931, 234: 205-20.—**Suzuki, H.** Anti-phlogistische Wirkung durch Pharmaka bei der durch Hitze und Kälte erzeugten Entzündung. *Fol. pharm. jap.*, 1930, 10: [Brev.] 15.—**Wallbach, G.** Recherches sur le mode d'action des substances anti-inflammatoires. *Arch. internat. méd. exp., Liège*, 1934-35, 9: 317-23. — Examens histophysiologiques sur l'effet anti-inflammatoire des astringents. *Arch. mal. app. digest., Par.*, 1939, 29: 636-48.—**Weger, P., & Amsler, C.** Zur Pharmakologie und Pathogenese der Entzündung; Wirkung des Atrophans auf sensible Nervenendigungen. *Arch. exp. Path., Berl.*, 1930, 185: 250-62.

— Physiopathology.

MENKIN, V. Dynamics of inflammation. 244p. 22cm. N. Y., 1940.

SERRANO, J. A. *Nutrição, inflamação, neoformação. 115p. 8° Lisb., 1880.

Amsler, C. Zur Pharmakologie und Pathogenese der Entzündung; über die entzündungshemmende Wirkung des Schlafes und über diesen selbst. *Arch. exp. Path., Berl.*, 1933, 171: 170-3.—**Askanazy, M.** Die Entzündung. In *Handb. norm. path. Physiol.* (Bethé, et al.) *Berl.*, 1929, 13: 281-339.—**Becker, J.** Die örtlich-entzündliche Reaktionsfähigkeit bei akuten Krankheitszuständen im Kindesalter. *Zschr. ges. exp. Med.*, 1930, 71: 621; 646; 655.—**Bergamasco, A.** Sull'assorbimento di sostanze coloranti in corrispondenza di lesioni cutanee infiammatorie. *Atti Soc. ital. derm. sif.*, 1938, 1: 622.—**Caudwell, G. G.** The dynamics of inflammation. *Univ. Toronto M. J.*, 1941-42, 19: 62-4.—**Chmutova, A. P., & Zolotova-Kostomarov, M. I.** [Mitogenetic radiation of the blood during inflammation] *Klin. med.*, Moskva, 1936, 14: 579-82.—**Eichbaum, F., & Scheuffer, C.** Beiträge zur pathologischen Physiologie der Entzündung; die Fernwirkung lokaler Entzündungsherde auf das reticulo-endotheliale System, mit Untersuchungen über die Ausscheidungsbedingungen von intravenös injizierten kolloidalen Farbstoffen. *Frankf. Zschr. Path.*, 1932, 44: 10-33.—**Fauré-Fremiet, H.** Los cambios de los estados tixotrópicos y su rol en el curso de las inflamaciones. *Dia méd. Uruguay*, 1933, 1: 97.—**Field, M. E., Drinker, C. K., & White, J. C.** Lymph pressures in sterile inflammation. *J. Exp. M.*, 1932, 56: 363.—**Fischer-Wasels, B.** Ueber Fernwirkungen der Entzündung. *Verh. Deut. path. Ges.*, 1930, 25: 115-9. — Beiträge zur pathologischen Physiologie der Entzündung; Aufgaben und Wege zur Lösung. *Frankf. Zschr. Path.*, 1931, 42: 1-75.—**Fox, J. P.** The localization and concentration of blood-borne antibodies and colloidal dye in areas of inflammation of various ages. *J. Immun.*, Balt., 1936, 31: 293-308. Also *Arch. Path., Chic.*, 1937, 23: 145.—**Galea, M., & Falchetti, E.** Etude sur l'action des foyers inflammatoires locaux. *Ann. Inst. Pasteur, Par.*, 1933, 51: 673-96.—**Garat,**

J. A. Inflamación; fisiopatología. *Dia méd.*, B. Air., 1942, 14: 613-6.—**Gasparini, A.** Sul processo di assorbimento di veleni batterici in seno a focolai infiammatori settici ed asettici. *Atti Soc. med. chir. Padova*, 1933, ser. 2, 11: 52-64.—**Gianotti, M., & Goldberger, S.** Ricerche bioelettriche sui focolai d'inflamazione. *Boll. Soc. ital. biol. sper.*, 1930, 5: 309-15.—**Jaeger, H.** Die Wechselbeziehungen zwischen Infektion, Intoxikation, Entzündung und Stoffwechselstörung. *Wien. med. Wschr.*, 1940, 90: 857-9.—**Konstantinov, V. M.** [Influence of local inflammatory processes on the vital absorption of trypan blue by the reticulo-endothelial system] *Arkh. biol. nauk*, 1930, 30: 651-60.—**Kusnetzowsky, N.** Ueber Tusche-speicherung im Bindegewebe bei aktiver Hyperämie und Entzündung. *Beitr. path. Anat.*, 1929-30, 83: 649-80.—**Lazarenko, F. M.** [Growth and fate of grafts of epithelium of various organs in the focus of aseptic inflammation] *Tr. Vseross. konf. patologov* (1934) 1935, Moskva, 104.—**Menkin, V.** Studies on inflammation; fixation of vital dyes in inflamed areas. *J. Exp. M.*, 1929, 50: 171-80. — Studies on inflammation; fixation of foreign protein at site of inflammation. *Ibid.*, 1930, 52: 201-13. — Studies on inflammation; fixation of trypan blue in inflamed areas of frogs. *Ibid.*, 1931, 53: 179-83.—**Miller, R. G.** The influence of inflammation on the absorption of substances of varied diffusibility. *Ibid.*, 1938, 67: 619-41.—**Okuneff, N.** Zur Frage der Resorption am Entzündungsort. *Zbl. allg. Path.*, 1930, 49: 323-6.—**Rajka, E.** Ueber die Wirkungsart der entzündlichen Gewebssubstanzen. *Derm. Wschr.*, 1939, 109: 1121.—**Rigdon, R. H., Miles, R. M., & Bland, R. P.** The effect of low blood pressure upon capillary permeability and inflammation in the skin of rabbits. *Surgery*, 1942, 12: 302-9.—**Rondoni, P.** Inflamazione e modificazioni organismiche. *Biol. med.*, Milano, 1932, 8: 387-401.—**Tilk, E.** Ueber Beziehungen zwischen Gewebssatung und Stärke der Entzündung. *Krankheitsforschung*, 1929, 7: 94-103.—**Ueno, S.** Ueber den Übergang der verschiedenen Stoffe in den Entzündungsherd. *Se. Rep. Gov. Inst. Infect. Dis.*, Tokyo, 1926, 5: 547-65.—**Uhlirz, R.** Vital-energetische Technik der Entzündung. *Med. Welt*, 1939, 13: 959-61.

— reparative.

See also Cicatrix; Granulation tissue; Granuloma; Wound healing.

Chaney, R. H. Inflammation and repair. In *Cyclop. Med.* (Piersol-Bortz) Phila., 1939, 7: 815-58.—**Groll, H.** Ueber die Beziehung der Gewebssatung zur Entzündung und Wundheilung. *Verh. Deut. path. Ges.*, 1927, 22: 149-53.

— specific.

See under names of specific infectious granulations as Actinomycosis; Granuloma malignum; Rhinoscleroma; Tubercle, etc.

— Surgery.

Béco, L. Les méfaits de la chirurgie dans les foyers inflammatoires. *Monde méd.*, 1938, 48: 798-808.—**Domanig, E.** Das elektrische Messer zur Behandlung von Weichteilentzündungen. *Chirurg*, 1936, 8: 484-6.—**Echalaz, E.** Incisión temprana de las lesiones inflamatorias. *Rev. mex. cir. gin. cáncer*, 1935, 3: 404.—**Krösbacher, E.** Beitrag zur Frage der lokalen Behandlung schmerzhafter und entzündlicher Prozesse in der Chirurgie. *Wien. med. Wschr.*, 1934, 84: 1367.—**Métiwet, G.** Ce que la chirurgie peut faire et ce qu'elle ne doit pas faire dans le traitement des foyers inflammatoires. *Bull. gén. théor.*, 1934, 185: 400-4.—**Reimers, C.** Ueber die Wirkung der Incision auf das physikalisch-chemische Bild der Entzündung. *Deut. Zschr. Chir.*, 1932, 236: 60-80.—**Veyrasat, J.** L'incision précoce des foyers inflammatoires; ses indications et ses contre-indications. *Rev. méd. Suisse rom.*, 1935, 55: 158-72.

— Treatment.

BOAVENTURA MARTINS PEREIRA, R. DA. *A inflamação sob o ponto de vista terapeutico. 130p. 8° Lisb., 1875.

HAMMOND, T. E. Principles in the treatment of inflammation. 209p. 8° Lond., 1934.

Mettler, C. C. Dugas on the curability of inflammation. *Arch. Surg.*, 1938, 36: 845-8.—**Nyvall, H. O.** A basic formula for the management of any inflammatory disease. *Clin. M. & S.*, 1934, 41: 556-60.—**Rabl, C. R. H.** Sollen wir die Entzündung fördern oder hemmen? *Klin. Wschr.*, 1934, 13: 1322-4.—**Reimer, O.** Le traitement des inflammations, suppurations, plaies, abcès et ulcères. *Praxis, Bern*, 1924, 13: H. 19, 1; 3; H. 20, 1; 3.—**Rest** for inflamed tissues. *Lancet*, Lond., 1941, 2: 641.

— Treatment: Anesthetization.

See also Anesthesia (Effects; local) Anesthetization, local: Indications.

MOSER, E. *Ist die Injektion in entzündetes Gewebe kontraindiziert und kann sie als Kunst-

fehler bewertet werden? 31p. 8°. Freib. i. B., 1935.

Belkovsky, A. V. [The question concerning the safety of infiltration anesthesia of inflamed tissue] *Sovet. vrach. gaz.*, 1934, 38: 1655.—Giangrasso, G. Novocaina e processi infiammatori acuti circoscritti. *Boll. Accad. med. Roma*, 1939, 65: 21-42. [Discussion] 18.—Gigon, A. Die Behandlung entzündlicher Krankheitsprozesse durch die Schmerzbehebung. *Schweiz. med. Wschr.*, 1931, 61: 206.—Montanari Reggiani, M. Sulle infiltrazioni di novocaina nel trattamento dei processi infiammatori acuti circoscritti. *Arch. ital. chir.*, 1940, 58: 1-55 (microfilm).—Naegeli, T. Der Einfluss der Anästhesie auf den Verlauf von Entzündungen. *Zbl. Chir.*, 1919, 46: 408-10.—Novák, E. [Local anaesthetization of inflamed regions [in surgery]] *Orv. hetil.*, 1932, 76: 98-100.—Reznitsky, A., & Kofman, V. [Experimental data on the effect of novocain block on the course of inflammatory processes] *Nov. khir. arkh.*, 1937, 38: 405.—Rosenthal, H. Experimentelle und klinische Untersuchungen über die Anwendung der örtlichen Betäubung in entzündeten Gewebe. *Deut. Zschr. Chir.*, 1938, 250: 325-47.—Usadel. Die örtliche Betäubung im entzündlichen Gewebe. *Arch. klin. Chir.*, 1931, 167: 225-8.—Visnnevsky, A. V. [Local anesthesia as a method in investigation and treatment of inflammatory processes] *Ark. biol. nauk*, 1934, 34: 385-91. Also in *Nerv. trof.* (Speransky, A. D.) Moskva, 1936, 2: 23-8. ——— [Nervous factor of inflammation as basis of pathogenetic therapy] *Klin. med.*, Moskva, 1937, 15: 511-20.

Treatment: Biological products.

Barfurth, W. Die Behandlung entzündlicher Prozesse und Infektionen mit Entzündungsprodukten. *Deut. med. Wschr.*, 1926, 52: 996.—Filderman, L., & Filderman, M. L'hémocriothérapie dans les foyers d'inflammation microbienne. *Rev. fr. endocr.*, 1936, 14: 235-45.—Galli, R. Il batteriofago nella cura ambulatoria delle lesioni flogistiche localizzate. *Ann. ital. chir.*, 1933, 12: 783-810.—Gorelik, S. L. [Application of granulin (Prof. Ravich-Sheherbo's preparation) in treatment of suppurative inflammatory processes] *Khirurgia, Moskva*, 1939, No. 7, 42-4.—Gross, A. [Experiments in therapeutic methods of inflammatory diseases with autoserum therapy] *Bratisl. lek. listy*, 1927-28, 7: 492-6.—Jelenkiewicz, L. [Producing arterial hyperemia in the inflammatory focus by administering thyroline, as a new method in treatment of certain inflammatory diseases] *Warsz. czas. lek.*, 1937, 14: 24-7. ——— & Srebrny, J. [Study of the treatment of inflammatory affections by thyroline] *Ibid.*, 389.—Nikolaeva, E. Essai d'application des vaccins d'après Besredka dans des cas d'inflammations locales, aiguës et chroniques. *Ann. Inst. Pasteur, Par.*, 1926, 40: 869-75. Also *Vrach. delo*, 1926, 9: 1527.—Sieg, J. Beitrag zur Behandlung akutentzündlicher Erkrankungen mit Erwachsenenblut. *Kinderärztl. Prax.*, 1938, 9: 146-50.

Treatment: Diet.

Büchs, L. *Die Behandlung von haemorrhagischen Entzündungen der Harn- und Verdauungswege der Hunde mit Vitamin C [München] 31p. 21cm. Quakenbrück, 1938.

Hümmer, A. *Diätbehandlung bei Entzündungen [Erlangen] 27p. 8°. Forchheim, 1935.

Schornack, L. *Einfluss eiweißreicher und kohlehydratreicher Kost auf die Entzündung [Berlin] 15p. 8°. Charlottenb., 1937.

Bürger, M. Antiphlogistische Ernährung. *Deut. med. Wschr.*, 1937, 63: 475-7.—Kauffmann, F., & Schornack, L. Ueber den Einfluss von Eiweiß- und Kohlehydratfettkost auf die Entzündung. *Klin. Wschr.*, 1936, 15: 1633-5.—Markees, S. Einfluss kochsalzreicher Ernährung auf die Entzündung. *Ibid.*, 1935, 14: 260-4.—Noorden, C. von. Betrachtungen über entzündungswidrige Kost. *Ibid.*, 1934, 13: 507-11.—Sauerbruch, F. Allgemeine klinische Grundlagen für Ernährungsbehandlung entzündlicher Erkrankungen. *Münch. med. Wschr.*, 1926, 73: 47.

Treatment: Drugs.

See also subheading Pharmacology; also Analgesia; Anesthetics; Antipyretics, etc.

Schikorr, R. [E. C.] *Ueber Entzündungshemmung durch Atophan und Calciumverbindungen. p.190-205. 8°. Königsberg, 1932.

Also *Arch. exp. Path.*, Berl., 1932, 168:

Gaza, W. von, & Brandt, B. Grundlagen und Erfolge der Alkalisierung und Säuerung bei chirurgisch-entzündlichen Erkrankungen. *Arch. klin. Chir.*, 1927, 148: 636-42. [Discussion] 193-216.—Haas, A. Entzündungshemmung und Umstimmung durch Chinoraim Experiment. *Münch. med. Wschr.*, 1932, 79: 142.—Kjellhede, K. T. [Treatment of superficial inflammations with sulfamethylthiazol (staphylamid)] *Ugeskr. laeger*, 1941, 103: 712.—Lipschitz, W. Entzündungshemmung durch Hypnotika. *Arch. exp. Path.*, Lpz., 1928, 138: 163.—

Lukomsky, J. Zur Frage über die Behandlung von entzündlichen Prozessen durch Alkalisierung. *Zbl. Chir.*, 1928, 55: 1613.—Podolsky, E. The clinical applications of a new analgesic, pauthesine, to the treatment of localized inflammatory conditions. *Med. Rev. of Rev.*, 1932, 38: 543.—Winternitz-Korányi, M. Entzündungshemmung durch Pyramidon. *Deut. med. Wschr.*, 1930, 56: 1779-81.

Treatment: Methods.

Coelho, S. M. T. *A sangria e a inflamação. 135p. 8°. Lisb., 1878.

Application de l'osmose au traitement de l'inflammation et de l'infection. *J. sc. méd. Lille*, 1923, 41: pt 2, 279.—Arnold, W. Die Entzündungshemmung durch Kamilleentee im Experiment. *Münch. med. Wschr.*, 1926, 73: 767-9.—Bergmann, G. von. The clinical problem of inflammation and unspecific therapy. *J. Egypt. M. Ass.*, 1938, 21: 535-45.—Breslau, F. Die intravenöse Methode der lokalen Behandlung entzündlicher Prozesse. *Zbl. Chir.*, 1918, 45: 277-80.—Butomo, W. Ueber die Wirkung der intramuskulären Milchinjektionen auf akute Entzündungsprozesse und auf die sich dabei abspielenden allgemeinen und lokalen Zellreaktionen. *Arch. Gyn., Berl.*, 1926, 129: 171-85.—Dungan, J. A. Irradiated solutions in inflammations (a preliminary report) *Clin. M. & S.*, 1933, 40: 297-8.—Epstein, J. A. [Treatment of inflammatory and acute suppurative processes with water activated by chloride-silver sand] *Sovet. vrach. gaz.*, 1933, 37: 1006-10.—Finocchiaro, F. O metodo quimio-fisioterapico em processos inflamatórios agudos. *Ann. paul. med. cir.*, 1938, 35: 251-60.—Geller, F. C. Ueber Entzündungsbehandlung unter besonderer Berücksichtigung der Eileiterentzündung. *Fortsch. Ther.*, 1937, 13: 607-15.—Keppler, W. Die intravenöse Methode der lokalen Behandlung entzündlicher Prozesse. *Zbl. Chir.*, 1928, 45: 399-401.—Lipschitz, W. Transmineralisation des Organismus und ihre Bedeutung für Entzündungsvorgänge. *Schweiz. med. Wschr.*, 1935, 65: 425-7.—Manninger, W. Zur intravenösen Methode der lokalen Behandlung entzündlicher Prozesse. *Zbl. Chir.*, 1918, 45: 402-4.—Meyer-Burgdorff, Die steuerbare Entzündung. *Ibid.*, 1938, 65: 2738.—Müller, I. [Causal therapy of inflammatory processes] *Gyógyászat*, 1932, 72: 491.—Schneider, E. Die Aussichten der intravenösen Puffertherapie. *Mitt. Grenzgeb. Med. Chir.*, 1926-27, 40: 564-82.—Schück. Neue Methode der Behandlung entzündlicher Prozesse. *Med. Klin., Berl.*, 1926, 22: 1356.—Silberberg, M. Recent investigations on the effect of so-called anti-inflammatory substances. *Canad. M. Ass. J.*, 1935, 33: 418-21.—Vishnevsky, A. V. [The author's new conceptions in the treatment and prevention of inflammatory processes] *Nov. khir. arkh.*, 1936, 36: 386-8.

Treatment; Ointment, salves, etc.

Blume, K. Zur Salbenbehandlung schmerzhafter und entzündlicher Prozesse. *Zbl. Chir.*, 1935, 62: 2208-11.—Breuer, A. Diphlogon als feuchtwärmer Dauerumschlag bei Entzündungen. *Wien. klin. Wschr.*, 1941, 54: 498.—Fischer, G. A. Perkutane Schwefeltherapie bei Entzündungserkrankungen in der inneren Medizin mit dem Ichthyol-Schwefelpräparat Rheumichthol. *Med. Klin., Berl.*, 1936, 32: 1473.—Hinton, J. W. Ethylene glycol and magnesium sulfate paste in treatment of inflammatory processes. *Arch. Surg.*, 1936, 33: 210-2.—Müller, P. Zur Behandlung mit Dauerumschlägen. *Allg. med. Zentr. Ztg.*, 1920, 89: 266.—Scharfbillig, C. Salbe anstatt Messer bei der Behandlung von Entzündungen und Eiterherden. *Hippokrat. Stuttg.*, 1935, 6: 12-7.—Schöne, C. Behandlung chirurgischer Entzündungen mit grauer Salbe. *Münch. med. Wschr.*, 1927, 74: 284.—Sorgo, J. Zur Behandlung entzündlicher Erkrankungen, namentlich pleuropulmonaler Veränderungen und chirurgischer Tuberkulosen mit dem Cantharidenpflaster. *Wien. med. Wschr.*, 1935, 85: 20-2.

Treatment: Physiotherapy.

See also Cold, Therapeutic use; Diathermy; Short wave, etc.

Rüer, E. *Die biologischen Wirkungen des Lichtes mit besonderer Berücksichtigung der Wirkung auf entzündliche Frauenkrankheiten [München] 29p. 21cm. Bottrop, 1938.

Cirera y Salse, L. Les courants de Morton dans le traitement de quelques affections inflammatoires aiguës. *Ann. électrob.*, Lille, 1908, 11: 17-20.—Cottle, M. H. Short wave therapy in acute inflammations about the head and neck. *Illinois M. J.*, 1935, 68: 354-7.—Denslow, J. S. A discussion of an effective manipulative approach to an inflammatory condition. *J. Osteopathy*, 1940, 47: No. 11, 21-4.—Green, M. H. The physiological effects of heat and cold on inflammation. *Q. Bull. Indiana Univ. M. Center*, 1941, 3: 156-9.—Katura, S., Sibuya, S., & Kaneta, S. Chirurgische Anwendung ultrakurzer elektrischer Wellen; Kurzwellenbehandlung bei akuten Entzündungen. *Verh. Jap. chir. Ges.*, 1935, 36: 10.—Liudvinskaja, P. F. [Treatment of local inflammatory processes by a weak generator of ultra-short waves in ambulatory surgery] *Khirurgia, Moskva*, 1939, No. 11, 63-7.—Motojima, R. Experimentelle Untersuchungen über den Einfluss der Röntgen-

strahlen auf den Ablauf von Entzündungen im Vergleich mit anderen physikalischen Methoden. Strahlentherapie, 1928, 29: 30-70.—Pflomm, E. Experimentelle und klinische Untersuchungen über die Wirkung ultrakurzer elektrischer Wellen auf die Entzündung. Arch. klin. Chir., 1931, 166: 251-305.—Salerno, E. V. Las ondas cortas en la inflamación. Prensa méd. argent., 1936, 23: 2563-8.—Schliephake, E. Ultra-Kurzwellen bei der Behandlung von eitrigen Entzündungen. Jahrbuch, ärztl. Fortbild., 1933, 24: H. 8, 40-8.—Snow, W. B. The static current in the treatment of inflammation. Med. J. & Rec., 1926, 124: 769-73.—Spangenberg, H. D., jr. The effects of external application of thermal agents on experimentally induced inflammatory reactions in the rabbit. J. Am. Dent. Ass., 1939, 26: 1078-88.—Ssoponitzkaya, F. M. Zur Frage über die Wechselbeziehungen zwischen Reiz- und Entzündungsreaktion; Einfluss einiger physiotherapeutischer Reize auf den Charakter der Entzündungsreaktion. Zschr. ges. phys. Ther., 1931, 41: 105-10.—Sussmann, M. Krankheit und Eisbeutel. Ther. Gegenwart, 1927, 68: 240.

Treatment: Radiotherapy.

See also Roentgen ray; Ultraviolet ray, etc.

SCHWANDTKE, W. *Die Röntgen-Therapie der akuten Entzündungen [Greifswald] 28p. 21cm. Lengerich, 1937.

Araujo, G. J. Los rayos X en el tratamiento de los estados inflamatorios. Rev. mex. cir., 1939, 7: 345-52.—Bayer, L. Ueber die Röntgenbehandlung der Entzündungen. Deut. med. Wschr., 1935, 61: 706-10. Also Rev. méd. germ. über. amer., 1936, 9: 129-39.—Bethke, W. R. Radiation therapy as a treatment for acute inflammatory conditions. Memphis M. J., 1936, 11: No. 7, 13.—Birnbau, E. L., & Kolaeva, E. T. [Ultra-violet erythematous therapy in sub-acute and chronic inflammatory processes] Akush. gin., 1938, No. 3, 30.—Bouslog, J. S. Roentgen therapy in inflammatory diseases. Rocky Mountain M. J., 1940, 37: 422-6.—Boyd, R. W. The X-ray therapy of acute inflammatory diseases. Canad. M. Ass. J., 1938, 38: 565-9.—Brown, E. E. Irradiation for inflammatory conditions. J. M. Ass. Alabama, 1934, 4: 174-7.—Bucky, G. Die Röntgenbehandlung von Entzündungen. Fortsch. Ther., 1932, 8: 481.—Cabrera, A. Radioterapia en los procesos inflamatorios. Vida nueva, Habana, 1941, 47: 313-6.—Campos, J. Tratamento das inflamações agudas pelos raios X. Arch. brasil. med., 1926, 16: 7-10.—Carty, J. R. X-ray treatment of inflammatory conditions. N. York State J. M., 1940, 40: 106-9.—Caubarrère, N. L., & Cassinoni, M. Radioterapia de los procesos inflamatorios. An. Fac. med., Montev., 1941, 26: 133-67.—Christensen, H. [Roentgen treatment in acute inflammations] Hospitalstidende, 1934, 77: (Dansk. radiol. selsk. forh.) 17-25.—Clement, G. The roentgen treatment of inflammatory diseases. Minnesota M., 1938, 21: 847-9.—Coe, F. O. Radiation therapy in the treatment of inflammatory lesions. N. England J. M., 1939, 220: 471-4.—Collins, J. N. Roentgen therapy in inflammatory disease. J. Indiana M. Ass., 1939, 32: 322-4.—Cottenot, P., & Liquier, A. Roentgen-therapie anti-inflammatoire. In Année méd. prat., Par., 1939, 18: 448-50.—Culty, R. La roentgentherapie dans les affections inflammatoires aiguës. Bull. Soc. méd. mil. fr., 1936, 30: 226-31.—Dabasi, E. [X-ray therapy of inflammation] Orv. hetil., 1932, 76: 682.—Daniel, G. La roentgentherapie anti-inflammatoire. J. radiol. électr., 1938, 22: 353-67; 1939, 23: 289-95.—Desjardins, A. U. Radiotherapy for inflammatory conditions. J. Am. M. Ass., 1931, 96: 401-8. Also Med. Rec., Houston, 1931, 28: 516-9. Also Collect. Papers Mayo Clin., 1935, 27: 1116-8. Also Proc. Mayo Clin., 1939, 14: 177-80. Also N. England J. M., 1939, 221: 801-9. Also J. Am. M. Ass., 1941, 116: 225-31.—Radiotherapy for acute and chronic inflammatory conditions. Texas J. M., 1935-36, 31: 616-23.—The action of Roentgen rays on inflammatory conditions. Radiology, 1942, 38: 274-80.—Edelmann, H. Ueber Entzündungsbestrahlungen. Zbl. Chir., 1928, 55: 1923-5.—Forbes, R. X rays in treatment of inflammation. Brit. M. J., 1941, 2: 891.—Fried, C. Die Röntgenbehandlung der akuten Entzündungen. Strahlentherapie, 1927, 26: 484-506.—Gabriel, G. Die Röntgentherapie entzündlicher Erkrankungen. Med. Welt, 1927, 1: 273-6.—Gage, H. C. X rays in treatment of inflammations. Brit. M. J., 1941, 2: 825.—García Somonte, M. La radioterapia en los procesos inflamatorios. Monterrey méd., 1941, No. 61, 1443-54.—Gilmer, W. P. Roentgen therapy in inflammatory conditions. Virginia M. Month., 1937-38, 64: 15.—Heidenhain, L. Röntgenbestrahlung und Entzündung. Zbl. Chir., 1927, 54: 1154.—Huguet, J., & Daniel, G. La radiotherapie anti-inflammatoire. J. radiol. électr., 1939, 23: 401.—Jenkinson, D. L. X-ray therapy of acute infections and inflammations. Bull. Ravenswood Hosp. M. Libr., 1935-36, No. 6, 1.—Keijser, S. [Roentgen therapy in acute inflammations] Ned. tscr. geneesk., 1933, 77: 1268-72.—Kingreen, O. Die Röntgenbestrahlung der akuten Entzündungen. Deut. Zschr. Chir., 1926, 197: 10-7.—Lammers, H. [Radiotherapy in inflammatory diseases] Ned. tscr. geneesk., 1933, 77: 1273-81.—Ledd, E. T. Roentgen therapy for inflammatory lesions. Arch. Phys. Ther., 1939, 20: 85-8.—LeMone, D. V. The use of x-ray in the treatment of inflammations. Week. Bull. S. Louis M. Soc., 1941-42, 36: 165.—Leoní Iparaguirre, C. A. Radioterapia de los procesos inflamatorios. Día méd., B. Air., 1942, 14: 117.—Liberson, M. Roentgentherapie des inflammations aiguës. Rev. actin., Par., 1934, 10: 185-222.—

May, E. A. Roentgen therapy in acute inflammatory conditions. Radiology, 1930, 14: 411-5.—Mayer, B. Les rayons X dans les affections inflammatoires. J. radiol. électr., 1939, 23: 403.—Melo, V. E. La roentgenterapia en las enfermedades inflamatorias. Bol. Sanat. Rafael Lavista, Veracruz, 1940-41, 1: No. 8, 8. Also Rev. radiol. fisioter., Chic., 1941, 8: 171.—Milani, E. La radiotherapie des affections inflammatoires. Rapp. Congr. internat. radiol., 1931, 3. Congr., 941-1029.—Nemours-Auguste. Traitement des affections inflammatoires aiguës par la radiotherapie. Bull. Soc. méd. Paris, 1936, 180-6.—Pendergrass, E. P., & Hodes, P. J. Roentgen irradiation in the treatment of inflammations. Am. J. Roentg., 1941, 45: 74-106. Also Dia méd., B. Air., 1941, 13: 785; 806. Also Pennsylvania M. J., 1941-42, 45: 447-54.—Peterson, V. L. Roentgen ray treatment of inflammatory lesions. West Virginia M. J., 1938, 34: 213.—Radiation therapy in acute or chronic inflammation. Surg. Equip., 1940, 7: 8.—Ramos Casellas, P., & Landron, J. La roentgenoterapia en las inflamaciones. Bol. As. méd. Puerto Rico, 1939, 31: 359-63.—Recal, E., & Heidenhain, C. [Inflammation and Roentgen rays] Askeri sihiye mecmuasi, 1935, 64: 97-109.—Rossitto, A. F. Roentgen therapy of inflammatory lesions. Radiol. Rev., 1937, 59: 93-5.—Roth, M., & Steiner, E. [Radiotherapy in acute inflammatory processes] Cluj. med., 1929, 10: 597-9.—Shanks, S. C., Levitt, W. M., & Jude, M. H. X rays in treatment of inflammation. Brit. M. J., 1941, 2: 859.—Snyder, R. E. Roentgen ray treatment of inflammatory conditions. Med. Woman J., 1939, 46: 365-7.—Solomon, I., & Blondeau, A. La roentgentherapie dans les affections inflammatoires. J. radiol. électr., 1920, 11: 465-9.—Solomon, L., & Gibert, P. La roentgentherapie des affections inflammatoires. Presse méd., 1935, 43: 1251-3.—Jaudel. Rayons X et inflammation. Bull. Soc. radiol. méd. France, 1933, 21: 116-9.—Terrizzano, M. F. El tratamiento radioterápico de los procesos inflamatorios. Rev. san. mil., B. Air., 1941, 40: 337-40.—Thom, M. Roentgen therapy in the treatment of acute inflammations. J. Am. Vet. M. Ass., 1939, 95: 299-302.—Tillier, H., & Tillier-Vivien, G. La radiotherapie des affections inflammatoires. Bull. Soc. électoradiol. méd. France, 1938, 26: 668-72.—Tyler, A. F. X-ray treatment of inflammations. Arch. Phys. Ther., 1937, 18: 766-71.—Ullmann, H. J. Radiation therapy in acute and chronic inflammatory conditions. California West. M., 1939, 50: 11-4.—Von Briesen, D. Treatment of inflammatory lesions by radiation. Southwest. M., 1940, 24: 160.—Wangermez & Curet. La radiotherapie des affections inflammatoires. Arch. électr. méd., 1938, 46: 179-92.—Watkins, W. W. Treatment of inflammations by x-ray. Southwest. M., 1934, 18: 336-46.—Webster, J. H. D. Treatment of inflammatory conditions by radiations. Brit. M. J., 1932, 2: 665.—Whitmore, W. H. Roentgen therapy of inflammatory conditions. Virginia M. Month., 1941, 68: 29-36.—Wilcox, C. A. Radiation therapy in inflammatory processes. Texas J. M., 1933, 29: 310-3.—Williams, L. J. The treatment of inflammatory conditions by the X-ray. N. Orleans M. & S. J., 1941-42, 94: 117-9.—Wintz, H. Die Röntgenbehandlung der Entzündungen. Med. Welt, 1937, 11: 1604-7.—La roentgenterapia de las inflamaciones. Día méd., B. Air., 1938, 10: 165-8.—Roentgen therapy in inflammatory diseases. Radiology, 1938, 31: 156-61.

Treatment: Radiotherapy: Indications and technic.

Abbati, P. Ueber die Röntgentherapie der akuten und subakuten Entzündungsprozesse. Internat. Radiother., Darmst., 1927-28, 3: 903-16. Also Radiol. med., Milano, 1928, 15: 1011-22.—Charmandarian, G. Zur Röntgenbehandlung entzündlicher Erkrankungen. Strahlentherapie, 1936, 57: 187-94.—Cushway, B. C., & Majer, R. J. Roentgen therapy in inflammatory and infectious lesions. Illinois M. J., 1937, 72: 517-20.—Daniel, G. Indications et techniques de la roentgentherapie dans les affections inflammatoires aiguës et suraiguës. Bull. Soc. radiol. méd. France, 1937, 25: 363-72.—Doses efficaces optima en roentgentherapie des affections inflammatoires. Bull. Soc. électoradiol. méd. France, 1938, 26: 55-67.—Desjardins, A. U. Dosage and method of roentgen therapy for inflammatory conditions. Radiology, 1939, 32: 699-707.—Roentgen therapy for inflammatory conditions: further considerations. Am. J. Roentg., 1940, 44: 594-600.—Eley, C. W. Roentgen therapy of certain infections and inflammations. Virginia M. Month., 1940, 67: 80-7.—Fraenkel, S. R., & Nissnevich, L. M. Ueber die Röntgenbehandlung der chirurgischen entzündlichen Vorgänge. Strahlentherapie, 1926, 24: 87-100.—Freund, L. Zur Röntgentherapie entzündlicher Krankheiten. Ibid., 1937, 60: 19-21.—Fried, C. Primeiros casos de inflamações tratados segundo método Heidenhain-Fried. Rev. clin. S. Paulo, 1940, 8: 89-94.—Ghimus, D. [Radiotherapy in acute and sub-acute inflammatory diseases] România méd., 1933, 11: 306.—Gleize-Rambal, L., & Ducelier, P. La radiotherapie dans les processus inflammatoires cutanés et sous-jacents. Marseille méd., 1939, 76: pt 2, 211-23.—Granger, A. Small doses of the roentgen rays in the treatment of inflammatory conditions. N. Orleans M. & S. J., 1932, 85: 103-7.—Holzknecht, G. Röntgenbehandlung der spontanen, posttraumatischen und postoperativen Kokkenentzündungs- und Eiterungsprozesse. Acta radiol., Stockh., 1926, 6: 607-14.—Hosoi, H. Die Röntgenbehandlung der akuten Entzündung und Pneumonie im Kindesalter. Acta paediat. jap., 1938,

44: 37 (Abstr.).—**Kaaden, J. E. van der** [Roentgen rays in the treatment of acute and subacute inflammatory processes] *Geneesk. tscr. Ned. Indië*, 1936, 76: 1996-2009.—**Kraus, E. R.** Roentgen therapy as an adjunct in the treatment of inflammatory conditions. *J. Am. Osteopath. Ass.*, 1941-42, 41: 99-104.—**Krishtal, A. D., & Gershkovich, I. O.** [Roentgentherapy of acute inflammatory diseases and its application in surgery] *Khirurgia, Moskva*, 1939, No. 11, 58-62.—**Leddy, E. T.** Roentgen therapy for inflammatory and malignant conditions. *Med. Clin. N. America*, 1935, 19: 597-603.—**Levin, S. J.** X-ray treatment of some inflammatory conditions in childhood. *J. Pediat.*, S. Louis, 1933, 2: 312-7.—**Liebersohn, J.** Zur Behandlung entzündlicher Erkrankungen mit Röntgenstrahlen in kleinen Dosen. *Strahlentherapie*, 1929, 32: 356-60.—**Lockwood, I. H.** Radiation in nonmalignant, inflammatory and infectious lesions. *Kansas City M. J.*, 1938, 14: No. 12, 13-7.—**Lukowsky, A.** Zur Röntgenbehandlung von Entzündungen. *Beitr. klin. Chir.*, 1926, 136: 554-64.—**Milani, L.** La radiothérapie des affections inflammatoires. *Rev. actin. Par.*, 1931, 7: 443-6.—**Otto, E.** Die Röntgenbehandlung oberflächlicher Entzündungen. *Deut. med. Wschr.*, 1929, 55: 1968.—**Palugay, J.** Zur Indikation und Technik der Röntgenbestrahlung bei akuten und chronischen unspezifischen Entzündungen. *Wien. med. Wschr.*, 1929, 79: 963-5.—**Reeves, R. J.** Roentgen therapy in the treatment of certain inflammatory conditions. *North Carolina M. J.*, 1943, 4: 44-6.—**Tanguy, R.** Quelques indications des rayons X dans le traitement des affections inflammatoires. *Clinique, Par.*, 1936, 31: 251-4.—**Truffi, A.** Protine e raggi röntgen nelle infezioni acute. *Actinoterapia, Nap.*, 1928, 7: 53-62.—**Van Ness, E. B.** The roentgen ray treatment of inflammatory and non-malignant conditions. *N. Orleans M. & S. J.*, 1932, 84: 757-60.—**Viethen, A.** Die Behandlung akuter Entzündungen mit niedrig dosierten Röntgenstrahlen. *Jahrb. Kinderh.*, 1928-29, 3. F., 72: 284-301.—**Wagner, G. A.** Die Röntgentherapie der entzündlichen Erkrankungen in der Gynäkologie. *Fortsch. Röntgenstrahl.*, 1926, 35. Kongressheft [Beihft] 21 [Discussion] 24-30.

— Treatment: Radiotherapy: Mode of action.

See also Roentgen ray, Effect.

CURET, C. J. J. *Contribution à l'étude de la radiothérapie dans les affections inflammatoires aiguës. 40p. 25cm. Bord., 1938.

LIBERSON, M. *Contribution à l'étude de la roentgentherapie des affections inflammatoires aiguës. 103p. 8° Par., 1934.

NÜZEL, W. *Der Wirkungsmechanismus der Röntgenstrahlen bei Behandlung akuter Entzündungen mit Berücksichtigung der Frauenheilkunde [München] 27p. 21cm. Kallmünz, 1938.

Buhtz, H. Beiträge zur pathologischen Physiologie der Entzündung; über die Beeinflussung der traumatischen Entzündung durch Röntgenstrahlen. *Frankf. Zschr. Path.*, 1932, 44: 57-71.—**Businco, O.** Ricerche sperimentali sulla radiothérapie dei processi infiammatori. *Radiol. med., Milano*, 1929, 16: 602-6.—**Daniel, G.** Processus biologique de la roentgentherapie des affections inflammatoires. *Rev. physiothér. Par.*, 1937, 13: 181-91.—**Desjardins, A. U.** The action of roentgen rays or radium on inflammatory processes. *Radiology*, 1937, 29: 436-45. Also *Rev. radiol. fisioter., Chic.*, 1939, 6: 89-97.—**Dyes, O.** Grundlagen der Behandlung entzündlicher Krankheiten durch Röntgenbestrahlung. *Strahlentherapie*, 1933, 47: 160-78.—**Fischer, E., & Lade, F.** Ueber die Bedeutung der radiologischen Röntgenanwendung bei chronisch-entzündlichen Krankheitszuständen. *Münch. med. Wschr.*, 1935, 82: 1531-4.—**Freund, F.** Zum Wirkungsmechanismus der Röntgenstrahlen bei entzündlichen Erkrankungen. *Klin. Wschr.*, 1927, 6: 1462-5. Also *Wien. med. Wschr.*, 1927, 77: 913-6.—**Ueber den Wirkungsmechanismus der Röntgenstrahlen auf Entzündungsprozesse.** *Strahlentherapie*, 1938, 62: 156-8.—**Fukase, S.** Ueber die Beeinflussung der traumatischen Entzündung durch Röntgenstrahlen. *Virchows Arch.*, 1929, 273: 794-805.—**Garschin, W. G., Bolschakova, M. M., & Ossinskaja, V. V.** Ueber die durch Röntgenstrahlen im Entzündungsherde hervorgerufenen Veränderungen. *Frankf. Zschr. Path.*, 1935, 48: 131-48.—**Glauner, R., & Holland, G.** Experimenteller Beitrag zur Entzündungsbestrahlung. *Strahlentherapie*, 1940, 67: 502-6 (microfilm).—**Guilbert, C.** Action des rayons X sur les tissus pathologiques sur les séquelles post-inflammatoires et sur les réactions inflammatoires aiguës. *Paris méd.*, 1931, 79: 91.—**Heidenhain.** Röntgentherapie der Entzündungen. *Fortsch. Röntgenstrahl.*, 1926, 35. Kongressheft [Beihft] 20 [Discussion] 24-30. Also *Strahlentherapie*, 1926, 24: 37-51.—**Meltzer, H., & Kühz, E. H.** Ueber den Ablauf einer experimentellen Entzündung unter der Wirkung der Röntgenbestrahlung; Spodogrammuntersuchungen. *Ibid.*, 1938, 62: 425-35.—**Mironov, S., Svitalskaya, N., & Ignatova, Z.** [Defense factors of the blood and their rôle in roentgenotherapy of inflammatory processes] *Vest. rentg.*, 1936, 16: 189-202.—**Mischtschenko, J. P., Fomenko, M. M.** [et al.] Experimentelle Begründung der Röntgentherapie akuter entzündlicher Prozesse. *Strahlentherapie*, 1935, 52: 464-96.—**Mittermaier, R.** Experimentelle Untersuchungen zur Entzündungsbestrahlung. *Deut. Zschr. Chir.*, 1927, 203: 204: 557-74. Ueber Fern-

wirkung bei der Entzündungsbestrahlung. *Ibid.*, 205: 197-208. — Die Beeinflussung akuter Entzündungen durch Röntgenstrahlen, mit besonderer Berücksichtigung der Entzündungen an Schleimhäuten. *Zschr. Hals & C. Heilk.*, 1927-28, 18: 260-7 [Discussion] 293-7.—**Nathanson, A. O.** Zur Analyse der sogenannten bakteriziden Wirkung der Röntgenstrahlen bei lokaler Infektion und bei Entzündungsprozessen. *Strahlentherapie*, 1936, 55: 524-36.—**Ossinskaja, V. V.** [Effect of fractional irradiation with Roentgen rays on acute aseptic inflammation] *Vest. rentg.*, 1938, 20: 296-312.—**Pfalz, G.** Wirkt die Röntgenentzündungsbestrahlung steigend auf die Blutbaktericide und der Proteinkörpertherapie gleichsinnig? *Jahrb. Schles. Ges. vaterl. Kult.* (1929) 1930, 102: Med. Sekt., Teil 2, 11-7. Also *Med. Klin., Berl.*, 1929, 25: 637-40.—**Pomeranz, R.** Histology of radiation effects in inflammatory conditions. *J. M. Soc. N. Jersey*, 1939, 36: 536.—**Pordes, F.** Ueber Röntgenbehandlung entzündlicher Erkrankungen. *Strahlentherapie*, 1926, 24: 73-86. Also *Fortsch. Röntgenstrahl.*, 1926, 35. Kongressheft [Beihft] 23 [Discussion] 23.—**Schaefer, W.** Die Wirkung der Röntgenstrahlen bei bakteriellen Entzündungen; eine experimentell-pathologisch-histologische und klinische Studie. *Arch. klin. Chir.*, 1927, 146: 394-402. — Experimentelle Untersuchungen über die Wirkung der Röntgenstrahlen auf bakterielle Entzündungen. *Strahlentherapie*, 1927, 25: 370-2.—**Schaffer, B.** The effect of Roentgen rays on skin reactivity to histamine and bacterial vaccine; with review of the literature and a discussion of the mode of action of the Roentgen rays in inflammatory processes. *J. Invest. Derm.*, 1940, 3: 159-91.—**Schüler, R.** Ueber Röntgenbestrahlung akuter Entzündungen. *Münch. med. Wschr.*, 1926, 73: 1580.—**Surmont, J., & Le Goff, P.** Les bases de la roentgentherapie des affections inflammatoires. *Presse méd.*, 1939, 47: 1417-20.—**Tannenbergh & Bayer.** Die Beeinflussung entzündlicher Vorgänge durch Röntgenbestrahlung. *Verh. Deut. Röntg. Ges.*, 1933, 26: 107.—**Valletta, J.** Mécanismes d'action des rayonnements dans le traitement des maladies inflammatoires. *Progr. méd., Par.*, 1939, pt 2, 978-84.—**Wieser, W. von.** Grundlagen der Entzündungstherapie. *Fortsch. Röntgenstrahl.*, 1937, 56: Tagungsh., Beih. 2, 54. — Grundlagen der röntgenologischen Entzündungstherapie. *Strahlentherapie*, 1938, 62: 143-50. Also *J. radiol. électr.*, 1938, 22: 209-14.—**Wintz, H., & Reding, R.** La radiothérapie des affections inflammatoires et son mode d'action. *Ibid.*, 1939, 23: 241-7.

— Treatment: Radiotherapy: Results.

NIGAUD, P. *Le rôle de la roentgentherapie dans le traitement des affections inflammatoires. 80p. 8° Par., 1935.

Burrows, H., Mayneord, W. V., & Roberts, J. E. Neoplasia following the applications of X-rays to inflammatory lesions. *Proc. R. Soc., Lond.*, 1937, ser. B, 123: 213-7, 2 pl.—**Daniel, G.** Les résultats de la roentgentherapie dans les affections chirurgicales inflammatoires. *Bull. Soc. radiol. méd. France*, 1934, 22: 585-90.—**Dubinskaja, B. N., Adijankina, L. A., & Konstantinovskaja, M. S.** [Leucocyte formula of the blood in inflammatory diseases, treated by roentgen rays] *Vrach. delo*, 1937, 19: 683-6.—**Du Mesnil de Rochemont, R.** Ueber auf radiobiologischer Grundlage aufgebaute Röntgenbehandlung chronisch-entzündlicher Krankheitszustände und ihre Bedeutung für die Praxis. *Klin. Wschr.*, 1935, 14: 1580.—**Fischer, E.** Ueber auf radiobiologischer Grundlage aufgebaute Röntgenbehandlung chronisch-entzündlicher Krankheitszustände und ihre Bedeutung für die Praxis. *Ibid.*, 1113-6; 1688.—**Friedman, A. B.** Superficial inflammatory diseases; treatment by radiation therapy; a review of 1018 consecutive cases. *Am. J. Surg.*, 1934, n. ser., 25: 107-12.—**Huguet, J.** Posologie de la roentgentherapie anti-inflammatoire; statistique de 82 cas. *J. radiol. électr.*, 1939, 23: 49-57. — A propos de la radiothérapie anti-inflammatoire; une cause d'échec. *Ibid.*, 356.—**Huguet, M.** Les causes d'échec en radiothérapie anti-inflammatoire. *Bull. Soc. électroradiol. méd. France*, 1939, 27: 677-80.—**Liebenam, L., & Schönfeld, H.** Bericht über die Erfahrungen der Leipziger Kinderklinik mit der Röntgenbehandlung unspezifischer Entzündungsprozesse. *Mscr. Kinderh.*, 1933, 58: 104-20.—**Mathey-Cornat, M. R.** Sur la roentgentherapie anti-inflammatoire et principalement ses résultats cliniques. *Presse méd.*, 1939, 47: 544-7.—**Ponzo, M.** Ueber den Wert und die Grenzen der Radium-Röntgenbestrahlung bei akuten Entzündungsprozessen. *Röntgenpraxis*, 1939, 11: 521. Also *Strahlentherapie*, 1939, 65: 195-203.—**Pordes, F.** Die Verlaufsbildung akuter Entzündungen nach Röntgenbestrahlung. *Ibid.*, 1929, 33: 147-51.—**Seemann, O.** Erfahrungen mit Röntgenbestrahlungen bei akuten Entzündungen. *Beitr. klin. Chir.*, 1927, 141: 454-66.—**Tannenbergh, J., & Bayer, L.** Der Heilungsvorgang von entzündlichen Veränderungen unter dem Einfluss von Röntgenstrahlen. *Strahlentherapie*, 1933, 47: 408-25.—**Uhlmann, E.** Probleme der modernen Strahlentherapie; die wichtigsten Ergebnisse der Entzündungsbestrahlung. *Fortsch. Ther.*, 1935, 11: 667-72.

INFLATION.

See also National economics.

WINKLER [A. J. E.] H. *Die Reichsbank und die Reichsdarlehnskassen in der Inflationszeit 1914-23 [Philos.] 11p. 22cm. Giessen, 1925.

Karvaš, I. Ein Beitrag zur Soziologie der französischen Inflation. *Zschr. Völkerpsychol.*, 1928, 4: 150-60.—**Katona, G.** Psychological studies of inflation and inflationary expectations. *Psychol. Bull.*, 1942, 39: 468 (Abstr.).—**Kromer, P. F.** Inflation and the German working class, November, 1918, to December, 1923. *Abstr. Theses Univ. Pittsburgh*, 1938, 14: 403.—**Marschak, J.** Wicksell's 2 interest rates. *Social Res.*, 1941, 8: 469-78.—**Unterberg, E. W. P.** Rechtliche Folgen der Geldentwertung. *Ausz. Diss. Jurist. Fak. Giessen*, 1924, 4: 29-31.

INFLUENZA.

See also **Common cold; Hiccup, epidemic; Influenza virus.**

BURNET, F. M., & CLARK, E. Influenza. 118p. 24 $\frac{1}{2}$ cm. *Melb.* [1942]

DUARTE FERREIRA, A. M. *Duas palavras sobre a gripe. 67p. 8 $\frac{1}{2}$ Lisb., 1882.

LEVINTHAL, W., KUCZYNSKI, M. H., & WOLFF, E. Epidemiologie, Aetiologie, Pathomorphologie und Pathogenese der Grippe. 319p. 8 $\frac{1}{2}$ Münch., 1921.

LEVISOHN, M. *Ueber Grippe. 32p. 8 $\frac{1}{2}$ Bonn, 1927.

NEWSHOLME, A. Influenza; a discussion. 102p. 8 $\frac{1}{2}$ Lond. [1918]

PIGA, A., & LAMAS, L. Infecciones de tipo gripal. 309p. 8 $\frac{1}{2}$ Madr., 1919.

Also *Progr. clin. Madr.*, 1918, 12: 327.

Barber, D. N. Influenza. *West Virginia M. J.*, 1934, 30: 18.—**Burnet, J.** What is influenza? *Med. Times, Lond.*, 1937, 65: 20.—**Cassidy, M.** Influenza. *S. Thomas Hosp. Gaz.*, Lond., 1935, 35: 14-6.—**Cumming, H. L.** Influenza with special reference to symptoms, diagnosis, and treatment. *Nat. M. J. China*, 1925-26, 12: 31-45, 10 ch.—**Dean, W.** Influenza. *Kentucky M. J.*, 1938, 36: 178-81.—**Douthwaite, A. H.** Influenza. In *Brit. Encycl. M. Pract.* (Rolleston, H.) Lond., 1938, 7: 173-90.—**Dufour, H.** La grippe-influenza. *Bull. méd., Par.*, 1929, 43: 463.—**Flack, R. A.** Influenza. *J. Indiana M. Ass.*, 1941, 34: 544-6.—**Frazer, W. P.** Influenza. *Virginia M. Month.*, 1937-38, 64: 457-9.—**Grippe (Die)** Praxis, Bern, 1934, 23: 181.—**Influenza.** *Bol. Of. san. panamer.*, 1941, 20: 264. Also *Brit. M. J.*, 1941, 1: 283. Also *N. England J. M.*, 1941, 224: 294. Also *Roche Rev.*, Nutley, 1941-42, 6: 191-8.—**Ionin, I. D.** [The grippe] *Radianska med.*, 1939, 4: No. 10, 14-26.—**Jagić, N. von.** Ueber Grippe (Influenza) *Wien. klin. Wschr.*, 1935, 48: 113.—**Johnsson, J. W. S.** Influenza. *Ugeskr. læger*, 1929, 91: 431.—**Joltrain, E.** Conférence sur la grippe. *J. méd. Paris*, 1935, 55: 931.—**Kahler, J. E.** Influenza. *J. Iowa M. Soc.*, 1939, 29: 621.—**Kelly, W. P.** The shaky flu. *Med. J. Australia*, 1936, 2: 19.—**Ledoux, P.** Au sujet de la grippe. *J. méd. Paris*, 1939, 59: 267-73.—**Leger, A., & Prévost J.** La grippe. *Union méd. Canada*, 1941, 70: 369-79.—**Martin Salazar, M.** La gripe. *Siglo méd.*, 1933, 91: 265.—**Pinheiro, A.** A gripe. *Gaz. clin.*, S. Paulo, 1933, 31: 86.—**Reilly, T. F.** The herald of the men of death. *N. York State J. M.*, 1926, 26: 99-102.—**Reinwein, H.** Grippe. *Deut. med. Wschr.*, 1930, 63: 175-8.—**Rucker, S. T.** I had the flu. *Mississippi Doctor*, 1934-35, 12: No. 7, 20-2.—**Thompson, B. A.** Influenza. *Med. J. & Rec.*, 1929, 129: 454.—**Thomson, D., & Thomson, R.** Influenza, with special reference to the complications and sequelae, bacteriology of influenzal pneumonia, pathology, epidemiological data, prevention and treatment. *Ann. Pickett Thomson Lab.*, 1934, 10: pt 2, 641-1557.—**Ziukov, A. M.** [Influenza] *Radianska med.*, 1939, 4: No. 5-6, 3-10.

Antibody.

See under **Influenza virus.**

Associated disease.

Banaudi, E. L'influenza nei tubercolotici. *Pensiero med.*, 1926, 15: 402-4.—**Barabás, Z.** [Does influenza have any effect upon other contagious diseases or their spread] *Budapesti orv. ujs.*, 1927, 25: 1: 123-8. Also *Arch. Kinderh.*, 1928, 83: 256-64.—**Cruikshank, R., & Muir, C.** Air-borne streptococcal infection following influenza. *Lancet, Lond.*, 1940, 1: 1155-7.—**D'Ambrosio, R.** Infezione influenzale nei tubercolotici polmonari. *Lotta tuberc.*, 1939, 10: 199-212.—**Delattre, A.** Grippe et scarlatine. *J. sc. méd. Lille*, 1920, 38: pt 1, 217-9.—**Ferrabouc, L., Guichené, P., & Thévenot, J.** Grippe et paludisme. *Bull. Soc. méd. mil. fr.*, 1935, 29: 115-8.—**Kun, L.** The effect of infection with B. influenza on tuberculous animals. *Magy. orv. arch.*, 1935, 36: 383-9.—**Levin, M.** Post-influenzal recovery from depression. *Am. J. Psychiat.*, 1933, 13: 345.—**Menninger, K. A.** The amelioration of mental disease by influenza. *J. Am. M. Ass.*, 1930, 94: 630-4.—**Panayotatou, A.** Sur un cas de grippe compliqué d'amibiase. *Arch. ital. sc. med. col.*, 1932, 13: 390-2.—**Piet, P.** Grippe saisonnière et paludisme. *J. sc. méd. Lille*, 1921, 39: 53-7.—**Puder, S.** [Effect of influenza on tuberculosis] *Gyógyászat*, 1930, 69: 182-6.—**Renaud, M., & Juge, C.** Sur l'évolution de

la grippe survenant au cours des affections viscérales chroniques. *Bull. Soc. méd. hôp. Paris*, 1927, 3. ser., 51: 261-5.—**Rice, G. D.** Some direct and indirect sequelae of influenza in psychotic patients. *Med. Bull. Veterans Admin.*, 1931, 7: 744-7.—**Smith, R. E.** Streptococcal septicaemia complicating epidemic influenza. *Lancet, Lond.*, 1932, 1: 1303-5.—**Weinberger, R.** Zusammentreffen grippöser Erkrankungen mit Menstruationsstörungen. *Med. Klin., Berl.*, 1928, 24: 1794.

Bacteriology.

See also **Hemophilus, influenzae; Influenza virus.**

Babes, V. Recherches sur quelques bactéries trouvées dans les cas d'influenza. *Ann. Inst. path. bact. Bucarest* (1891) 1894, 4: 36-72.—**Béclère, A.** Influenza; le rôle respectif du bacille de Pfeiffer et du virus spécifique dans l'influenza humaine. *Presse méd.*, 1937, 45: 1203-5.—**Branham, S. E.** Anaerobic microorganisms in naso-pharyngeal washings. *J. Infect. Dis.*, 1927, 41: 203-7. — An apparently undescribed hemolytic anaerobic diplococcus; influenza studies. *Ibid.*, 1928, 42: 230-7.—**Bürgers, Schmidt & Hirsch.** Influenzastudien. *Zbl. Bakt.*, 1. Abt., 1930, 117: 262-7.—**Dochez, A. R., Mills, K. C., & Kneeland, Y., jr.** Variation of H. influenzae during acute respiratory infection in the chimpanzee. *Proc. Soc. Exp. Biol., N. Y.*, 1932, 30: 314-6.—**Fauvet, E.** Diplostreptokokken und Grippe. *Deut. med. Wschr.*, 1929, 55: 1599-61.—**Haagen, E.** Der Influenza-Erreger. *Umschau*, 1940, 44: 785-7.—**Hall, R. W.** The relation of *Bacterium pneumosintes* to influenza; a study with a strain of the organism derived from the nasopharyngeal washings of a case of influenza. *J. Exp. M.*, 1926, 44: 539-51.—**Kljueva, N. G., & Kashava, A. A.** Zur Aetiologie der epidemischen Grippe. *Zbl. Bakt.*, 1. Abt., 1928, 109: 232-46.—**Kobryner, A.** Sur des microorganismes énigmatiques observés chez des malades atteints de la grippe. *C. rend. Soc. biol.*, 1930, 105: 604-6. — Sur la présence de microorganismes énigmatiques dans le sang de sujets atteints de différentes affections et surtout après la grippe. *Ibid.*, 606-8.—**Krah, E.** Zur Serologie und Typeneinteilung der Influenzabazillen. *Zbl. Bakt.*, 1. Abt., 1930, 116: 101-13.—**Lovell, R., Straker, E. A., & Wilson, J.** Bacteriology of an outbreak of influenza in a school. *Lancet, Lond.*, 1934, 1: 205-7.—**Manghirmalani, E. P.** *Treponema vincenti* and *Bacillus fusiformis* as possible causative agents in a group of cases resembling mild influenza. *Ind. M. Gaz.*, 1931, 66: 85.—**Meyer, K.** Influenzabazillenbefunde vor, während und nach der Grippeepidemie; ein Beitrag zur Frage der Aetiologie der Grippe. *Zbl. Bakt.*, 1. Abt., 1933, 130: 54-8.—**Noble, W. C., jr., & Brainard, D. H.** A note on the suggested etiological relationship of certain strains of green streptococci to epidemic influenza. *Am. J. Hyg.*, 1934, 20: 191-4.—**Olitsky, P. K.** Studies on the bacteriology of epidemic influenza. *Medicine, Balt.*, 1937, 9: 387-411.—**Schmidt, P.** Zum Problem der Grippe-Aetiologie. *Zbl. Bakt.*, 1. Abt., 1928, 106: 325-8.—**Shchegolev, M. G.** [Rôle of pneumococcus in the development of influenza] *Vrach. gaz.*, 1929, 33: 526-30.—**Teveli, Z.** [Bacteriology of gripe] *Orvosképzés*, 1932, 22: Oct. Külöf. Dolgoz. gyermekklin., 56-61.—**Thomson, D., & Thomson, R.** Influenza; with special reference to the part played by Pfeiffer's bacillus, streptococci, pneumococci, etc., and the virus theory. *Ann. Pickett Thomson Lab.*, 1933, 9: p. v-xvi, 1-640, 28 pl.—**Wilson, G. S.** An attempt to isolate *Bacterium pneumosintes* from patients suffering from influenza. *Lancet, Lond.*, 1927, 1: 1123.

Bones, joints and muscles.

ZAUSCH, F. *Ueber wachsiges Muskel-De-generation bei Grippe. 24p. 8 $\frac{1}{2}$ Halle a. S., 1919.

Caforio, L. Trocanterite subacuta postgrippale. *Rinasc. med.*, 1925, 2: 522-4. Also in *Lez. med. biol.* (Martelli) Nap., 1930, 111-8.—**Doxiadis, P.** Die Litin-Salbe bei rheumatischen Muskelschmerzen post Grippe. *Wien. med. Wschr.*, 1927, 77: 1441.—**Genet & Aloin, H.** Ostéo-myélite du frontal, avec manifestation palpébrale consécutive à un état grippal; intervention; guérison. *Lyon méd.*, 1932, 150: 447-51. Also *Ann. otolar.*, Par., 1933, 236-9.—**Klar, M., & Rocher, H. L.** Formation de blocage vertébral à la suite d'une chondrite intervertébrale infectieuse. *Bordeaux chir.*, 1933, 4: 399.—**Korth, J.** Beitrag zur Grippe-Myositis. *Münch. med. Wschr.*, 1941, 88: 339-42 (microfilm).—**Marotte.** Grippe et rhumatisme articulaire. *Bull. Soc. méd. mil. fr.*, 1929, 23: 40-2.—**Munro, J.** Akute Arthritiden bei oder nach Grippe. *Münch. med. Wschr.*, 1930, 77: 1750.—**Rothstadt, L. E.** Influenza complicated by acute arthritis of the ankle joint and osteomyelitis of the fibula. *Clin. Rep. Melbourne Hosp.*, 1935, 6: 126, pl.—**Weil, A. J.** Gelenkerkrankungen bei Grippe. *Med. Klin., Berl.*, 1929, 25: 1173.

Carrier state.

Klieneberger, E. Influenzabazillen bei Gesunden nach einer Epidemie. *Zbl. Bakt.*, 1. Abt., 1931, 121: 72-5.—**Lieber, K.** Ueber Influenzauntersuchungen an Sektionsmaterial (Respirationsorgane) in epidemiefreier Zeit und während der Influenza-epidemie im Frühjahr 1929. *Ibid.*, 122: 476-83.—**Ritter.** Die Tuberkulose- und Influenza-Bacillen-Träger in offenen Kurorten und in Heilstätten. *Veröff. Baln. Ges. Berlin*, 1914, 35: 156-63.

— Clinical aspect.

Braun, I. I. Influenza. J. M. Ass. S. Africa, 1929, 3: 567-71.—Brunoyghe, R. La grippe. Rev. méd., Louvain, 1919, 225-30.—Carr, J. G. Influenza. Med. Clin. N. America, 1933, 17: 415-29.—Catlin, T. J. Influenza. Tr. Minnesota M. Ass., 1903, 35: 185-8.—Cove-Smith, R. Influenza. Med. Press & Circ., Lond., 1933, 135: 94-7.—Cox, H. T. A review of influenza. Eclect. M. J., 1931, 91: 304-7.—De Bonis, G. La prognosi dell'influenza. Athena, Roma, 1937, 6: 127.—Dey, M. N. A study of influenza (clinical and pathological). Calcutta M. J., 1927-28, 23: 375-95.—Eandi, D. N. Consideraciones clinicas y terapéuticas sugeridas por una epidemia de gripe. Sem. méd., B. Air., 1938, 45: pt 2, 196-200.—Fabrizio, A. Lo stato grippale. Rinasc. med., 1936, 13: 757.—Fletcher, H. M. Influenza. Practitioner, Lond., 1933, 130: 1-14.—Gasbarrini, A., & Bottacin, C. L'influenza. Clinica, Bologna, 1936, 2: 419-31.—González, H. D. Gripe. Rev. As. méd. argent., 1934, 48: 953-8.—Grant, S. B. Symposium on influenza; clinical aspects of influenza. Week. Bull. S. Louis M. Soc., 1940-41, 35: 282.—Graves, J. H. Fifteen years with so-called influenza; its etiology and treatment. Med. Rec., Houston, 1933, 27: 291.—Gubergitz, M. M. [Clinical course of influenza] Klin. med. Moskva, 1928, 6: 1383-9.—Guthrie, C. G. Epidemic influenza: medical aspects. J. Med., Cincinnati, 1930-31, 11: 134-9.—Hansen, R. Gripe y catarros estacionales. In Clin. enferm. infecc. (Fonso Gandolfo, C.) 2. ed., B. Air., 1939, 2: 410-57.—Horsfall, F. L., jr. Influenza. Ann. Int. M., 1941-42, 15: 811-6.—Jagić, N. v. Ueber Grippe (Influenza) Aertzl. Prax., Wien, 1935, 9: 227-9.—Johnson, W. M. Influenza; some observations and impressions. South. M. & S., 1936, 98: 513-7.—Laureati, M. L'influenza. Gazz. osp., 1929, 50: 1229-35.—Layton, T. B. Influenza. Clin. J., Lond., 1933, 62: 133-40. Also Guy's Hosp. Gaz., Lond., 1933, 47: 19-28.—Lotze, H. Die Grippe. Hippokrates, Stuttgart, 1937, 8: 729-35.—Massini, R. Influenza, Grippe. In Handb. inn. Med. (Bergmann, G., et al.) Berl., 1934, 1: 216-61.—Mladek, F. [Data on 27 cases of gripe from the clinic of Prof. Prustk] Cas. léc. česk., 1939, 78: 881-3.—Moore, W. P. Influenza Med. Times, N. Y., 1926, 54: 27; 46.—Müller, O. Die Grippe Münch. med. Wschr., 1933, 80: 1842-4.—Nüzhet Atay. Grippe intani. Anadolu klin., Istanbul, 1941, 9: 53-5.—Oenašek [Discussion on the gripe] Cas. léc. česk., 1927, 66: 233.—Oxenius, K. Grippebetragtungen. Deut. med. Wschr., 1937, 63: 600-2.—Peters, J. T. [Influenza] Geneesk. gids, 1930, 8: 1074; 1117; 1141; 1177.—Phillips, A. W. Influenza. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 7: 858-79.—Piccoli, E. L'influenza. Gior. med. mil., 1931, 79: 241-3.—Pinchin, A. J. S., & Morlock, H. V. Influenza. Practitioner, Lond., 1936, 136: 11-23.—Rosenberg, N. K. [Clinical course of influenza] Vrach. gaz., 1931, 35: 575: 663.—Sadhumal, M. Influenza. Med. Surg. Suggestions, Madras, 1939, 8: 426-9.—Scadding, J. G. Clinical aspects of influenza. Practitioner, Lond., 1938, 141: 712-24.—Skliutauskas, I. [Influenza] Medicina, Kaunas, 1937, 18: 270-8.—Smith, R. E. Influenza. Guy's Hosp. Rep., Lond., 1936, 86: 269-92.—Stuart-Harris, C. H. Epidemic influenza, a clinical point of view. Brit. M. J., 1937, 2: 516.—Thompson, B. A. Influenza. Med. Arts, 1933, 36: 414-7.—Waldman, V. A. [Clinical features of epidemic influenza] Ter. arkh., 1937, 15: 19-25.

— Complication.

See also Bronchitis; Common cold; Epilepsy, Cause; Erythrocytosis, Cause; Infection, etc.

HERLUISSON, H. *Traitement préventif et curatif des complications grippales par la sulfamido-chrysoidine. 96p. 8° Par., 1937.

Celli, G. Su alcune complicitanze dell'influenza. Morgagni, 1928, 70: 41-62.—Christensen, B. C., & Gram, C. N. J. [Treatment of influenza complications] Militaerlaegen, 1939, 45: 27-46.—Coicou, F. Complication pulmonaire, suite d'une suppuracion pelvi-rectale. Ann. méd. haïti, 1936, 13: 143-54.—Crämer, F. Merkwürdige Komplikationen der Grippe. Münch. med. Wschr., 1930, 77: 1057.—Curschmann, H. Ueber Grippekomplikationen. Ibid., 1937, 84: 1844-8.—Dargein & Germain. Cas de gripe avec complications rares. Bull. Soc. méd. hôp. Paris, 1929, 3. ser., 53: 622-4.—Franke, F. Merkwürdige Komplikationen der Grippe. Münch. med. Wschr., 1930, 78: 1367.—Germain, A., & Morvan, A. Un cas de gripe avec complications rares, articulaire et nerveuse. Bull. Soc. méd. mil. fr., 1938, 32: 269-72.—Gohier-Desplas. A propos d'une complication de gripe. J. méd. Paris, 1935, 55: 297.—Gorman, J. J. Certain complications of influenza. Southwest. M., 1937, 21: 83.—Hegler, C. Postgrippöse Schäden. Deut. med. Wschr., 1934, 60: 1578-80.—Indemans, J. W. M. [Influenza: its rôle in some infectious diseases] Geneesk. gids, 1927, 5: 1081-6.—Meerlo, A. M. [Complications in an influenza epidemic] Ned. tschr. geneesk., 1931, 75: pt 2, 2946-59.—Sherman, B. H. The treatment of post-febrile conditions with special reference to the influenzal type. Arch. Phys. Ther., 1928, 9: 114-8.—Thouverez & Royer. Essai de prévention des complications infectieuses de la grippe. Bull. Soc. méd. mil. fr., 1938, 32: 173-6.—Thrower, W. R. A note on the complications and sequelae of influenza. West London M. J., 1932, 37: 257-62.—Weinberger, M. Ueber Behandlung der Grippe. Wien. klin. Wschr., 1927, 40: 195-7.—Wells, G. H. Influenza and its complications. Hahneman. Month., 1936, 71: 559-67.

— Control.

See also subheading Prevention.

BOUCABEILLE, O. *Conduite à tenir dans une école en temps d'épidémie de grippe. 75p. 8° Par., 1938.

GARDNER, M. Fighting the flu. p.160-5. 24½cni.

Clipping from: Atlantic Monthly, February 1941.

Administrative measures for influenza control in Great Britain; revised memorandum issued by the British Minister of Health. Pub. Health Rep., Wash., 1927, 42: 550-3.—Alarco, G. Programa general para la lucha contra la gripe. Rev. san. mil., Lima, 1928, 1: 42-5.—Andrews, C. H. Epidemic influenza. In Control Common Fevers (Lancet) Lond., 1942, 191-200.—Batinkov, E. L. [Results of gripe control at the health service stations] Vrach. delo, 1940, 22: 789-92.—Bledsoe, R. W. How can you as family physician lessen the frequency and complications of the gripe, influenza or flu? Kentucky M. J., 1933, 31: 20-2.—Closing of schools and theater during influenza epidemic; Arizona Supreme Court decides that local boards of health can order such closing. Pub. Health Rep., Wash., 1919, 34: 1376.—Dobretzer, N. A. [Fighting influenza] Sovet. vrach. gaz., 1934, 38: 323-9.—Francis, T., jr. A rationale for studies in the control of epidemic influenza. Science, 1943, 97: 229-35.—Havas, I. [The organisation of the campaign against influenza in Szeged] Népegészségügy, 1937, 18: 464-6.—Influenza; memorandum by Ministry of Health. Lancet, Lond., 1927, 1: 248-50.—Public health officials battling flu epidemic. Science News Lett., 1940, 38: 373.—Rossiaky, D. M. La lutte contre la gripe en URSS. Acta med. URSS, 1940, 3: 350-5.—Campaign against influenza in the U. S. S. R. Pub. Health, Lond., 1942-43, 56: 34.—Stevenson, A. L. The control of influenza in a community: a criticism and review. J. R. Army M. Corps, 1932, 58: 119-23.—Wells, W. F., & Wells, M. W. Air-borne infection. J. Bact., Balt., 1943, 45: 60 (Abstr.)

— Diagnosis.

Allyn, W. E. A new disease? or influenza? which? J. Am. Inst. Homeop., 1936, 29: 173-5.—Bix, H. Zur Symptomatologie der Grippe. Wien. med. Wschr., 1929, 79: 343.—Cantieri, C. Sulla diagnosi clinica dell'influenza. Rass. internaz. clin. ter., 1937, 18: 907; 958.—Ferguson, J. The diagnosis and infectivity of influenza. Glasgow M. J., 1930, 113: 57-63. Also Tr. R. Med. Chir. Soc. Glasgow, 1930, 24: 54-60.—Florinsky, V. V. [Intracutaneous, diagnostic test in influenza] Sovet. med., 1939, No. 2, 25.—Gomoiu, V., Sândulescu, E., & Stoia, I. [Symptomatology of gripe] Spitalul, 1941, 61: 159-61.—Hill, A. Influenza; a personal story. Lancet, Lond., 1927, 1: 846.—Jaffé, R. Ist es möglich, aus dem pathologisch-anatomischen Befund des Respirationstrakts die Diagnose auf Grippe zu stellen? Med. Klin., Berl., 1927, 23: 425.—Kleinschmidt, H. Ein charakteristisches Syndrom durch Influenzabazilleninfektion. Kinderärztl. Prax., 1939, 10: 53-8.—Klewitz, F. Die Grippe; Diagnose und Behandlung. Med. Klin., Berl., 1938, 34: 1675-8.—Klieneberger, C. Grippe, Grippediagnose und Grippebehandlung. Ibid., 1927, 23: 501.—Lee, R. H. The diagnosis of influenza. Med. Press & Circ., Dubl., 1937, 194: 174-8.—Mallory, T. B. Weakness, fever and shortness of breath. N. England J. M., 1941, 224: 1108-12.—Marinesco, G., Grigoresco, D., & Bucur, V. Syndrome de la pointe du rocher. Rev. otoneur., Par., 1934, 12: 595-7.—Riddell, L. A. Is it influenza? Brit. M. J., 1938, 1: 976.—Siegmund, H. Ist es möglich, aus dem pathologisch-anatomischen Befund die Diagnose auf Grippe zu stellen? Med. Klin., Berl., 1938, 34: 1678-82.—Straub, H. Beobachtungen über den Fieberverlauf bei Grippe. Deut. Arch. klin. Med., 1927, 156: 343-51.—Teveti, Z. Hautimpfungen mit Influenzabazillen. Arch. Kinderh., 1935, 106: 27-30.

— Diagnosis, differential.

Baer, L. Report of a case of influenza simulating sinus thrombosis. Laryngoscope, 1927, 37: 508-11.—Bardhan, P. N. Notes on etiology and diagnosis of influenza. Malay. M. J., 1937, 12: 114.—Brockman, St. L. An influenzal condition simulating the acute abdomen. Brit. M. J., 1927, 1: 874.—Delencourt. Grippe e paludismo; diagnostico differenziale. Novid. med. pharm., Porto, 1906, 11: 257-65.—Goldie, W. Influenza, acidosis, or appendicitis? Lancet, Lond., 1933, 1: 301.—Gyüre, D. [Influenza-like cases among children in villages] Népegészségügy, 1938, 19: 84-8.—Hertzberg, A. A. [Influenza and our so-called colds] Fin. läk. säll. hand., 1934, 76: 252-63.—Salzman, S. R. An infectious syndrome resembling influenza. Ohio M. J., 1942, 38: 328-30.—Schilling, V. Ueber die praktische Bedeutung der Unterscheidung von Angina, septischem Rheumatoid, echtem Gelenkrheumatismus und Grippe. Med. Welt, 1935, 9: 261-3.—Schmitz. Psycho-gene Pseudogrippe. Psychiat. neur. Wschr., 1923-24, 25: 69.—Vajda, L. Tuberkulose nachahmende Grippe. Zschr. Tuberk., 1934, 70: 58-61.—Von den Velden, R. Zur Grippefeldiagnose. Deut. med. Wschr., 1934, 60: 1596-9. Also In Samml. wicht. Frühdiagn., Lpz., 1936, 102-10.—Wachsmuth, W. Zur Differentialdiagnostik abdominaler Beschwerden bei Grippe. Klin. Wschr., 1933, 12: 614.

— Digestive system and abdomen.

DEPOUILLY, J. *Contribution à l'étude des diarrhées infantiles: le choléra grippal. 56p. 8°. Lyon, 1935.

DROZEWski, M. F. *Influenzal appendicitis or appendicitis complicating influenza. 27p. 4°. Milwaukee, 1937.

EGGER, A. *Mundveränderungen bei Influenza [Leipzig] 21p. 8°. [Zeulenroda] 1927.

NICKEL, E. F. *Erkrankungen der Mundschleimhaut und der Zähne als Folge von Infektionskrankheiten, unter Berücksichtigung der Grippe. 18p. 8°. Heidelb. [1932]

Abels, H. Das selbständige Magen-Darmbild der Grippe. Wien. klin. Wschr., 1928, 41: 1482-4.—Allot, G., & Barraud, F. L'exploration des fonctions biliaire et chromagogue du foie au cours de la grippe. Rev. méd. Suisse rom., 1929, 49: 411-7.—Areta, T. Sección intestinal con fistula entero-enteral y enteroumbilical de probable origen gripal. Sem. méd., B. Air., 1935, 42: pt 1, 1159-61.—Bak, I. [Influenza and catarrhal jaundice] Ned. tsehr. geneesk., 1936, 80: 3020.—Bicart, P., & Jacob, A. Quelques cas de grippe infectieuse à localisation gastro-intestinale. Strasbourg méd., 1931, 91: 263-5.—Boone, F. H. Intestinal grippes (so called). Canad. M. Ass. J., 1928, 19: 63-7.—Boucher, F. T. Influenza and appendicitis. J. R. Army M. Corps, 1937, 68: 243-5.—Charnaux, F. Foie grippal et lithase biliaire. C. rend. Congr. internat. lith. biliaire, 1932, 2: 288-92. El hígado y las enfermedades infecciosas; el hígado gripal. Crón. méd. mex., 1932, 31: 637-40.—Cherkassky, M. A. [Secretory and motor functions of the stomach in influenza infection] Ter. arkh., 1937, 15: 43-7.—Coombs, J. N. Influenza as a factor in intra-abdominal disease. Tr. Am. Ther. Soc., 1930, 30: 70-3.—Couto, M. A lingua negra na gripe. In his Clin. med., Rio, 1935, 1: 161.—Cucagliata, R. Le sindromi addominali dell'influenza. Cult. med. mod., Pal., 1933, 12: 423-7.—Decarie, R., & Rolland, R. Périonite à pneumocoques consécutive à une congestion pulmonaire grippale. Union méd. Canada, 1936, 65: 908.—Decherf. Quatre cas de périonite grippale très graves, au cours de l'épidémie de grippe de l'hiver 1933. Lyon chir., 1933, 30: 732-6.—Dinkin, L. Ueber hämorrhagische Veränderungen der Darmmukosa und Darmblutungen bei Grippe. Deut. med. Wschr., 1931, 57: 759.—Duker, J. Formen der enteralen Grippe im frühen Kindesalter. Kinderärztl. Prax., 1939, 10: 449-55.—Egorov, B. A. [Influenzal inflammation of teeth and influenza tonsillitis] Klin. med., Moskva, 1929, 7: 1644-58.—Essau. Erkrankungen der Bauchhöhlenorgane und ihrer Nachbarschaft bei und nach Grippe (Fehldiagnosen und Differentialdiagnostisches) Med. Klin., Berl., 1923, 19: 168.—Fabrizio, A. Fegato infettivo simulante l'ascesso in seguito a broncopolmonite da influenza. Rinasc. med., 1926, 3: 487.—Friedjung, J. K. Gibt es eine Darmgrippe? Deut. med. Wschr., 1928, 54: 1636.—Halpern, S. S. [Gastro-intestinal complications in influenza] Vrach. delo, 1937, 19: 205-10.—Hiebaum, K. Ueber gastro-intestinale Befunde im Rahmen grippöser Erkrankungen. Wien. klin. Wschr., 1935, 48: 1204; 1285.—Hilgenreiner, H. Grippe; Appendizitis. Münch. med. Wschr., 1941, 88: 719 (microfilm).—Hoffmann, K. F. Durch Grippe verursachte Schädigungen im Munde und am Zahn- und Kiefersystem. Med. Welt, 1927, 1: 1564.—Julienne & Liscœt. A propos de 3 cas d'appendicite grippales. Bull. Soc. méd. mil. fr., 1935, 29: 178-81.—Kroner, R. Ueber die akute und chronische Intestinalinfluenza mit pseudothyrotoxischem Symptomenkomplex. Deut. med. Wschr., 1939, 65: 1825-8.—Lombardi, A. Contributo allo studio etiologico di alcune forme gastro-intestinali durante il decorso dell'influenza. Morgagni, 1932, 74: 1271.—Micheïnkov, F. [Case of influenza, complicated with phlegmono-gangrenous appendicitis] Vrach. gaz., 1927, 31: 1368-70.—Moxo Querí, D. Complicaciones digestivas de la gripe. Rev. méd. Barcelona, 1931, 16: 30-3.—Oxenius, K. Zur Behandlung von Grippebegleiterscheinungen, insbesondere des Erbrechens. Deut. med. Wschr., 1935, 61: 1731.—Pariser, C. Appendizitis-Symptome bei Grippe. Med. Welt, 1927, 1: 476.—Plaschkes, S. Magen-Darmerscheinungen als Grippefolgen (bradykardischer Meteorismus; Gastritis; Colitis haemorrhagica) Med. Klin., Berl., 1931, 27: 1144.—Rezajski, W. [Influenza assuming the form of acute appendicitis] Polska gaz. lek., 1926, 5: 191.—Rockwell, G. E. Report of 5 cases of intestinal grippes with bacteriological findings. J. Med., Cincinnati, 1927-28, 8: 82.—Rosenbaum. Grippeenteritis im Säuglingsalter. Deut. med. Wschr., 1926, 52: 1536. Also Klin. Wschr., 1926, 5: 1494. Also Mschr. Kinderh., 1926, 33: 441-5.—Růžek, O. [Influenzal pseudoappendicitis] Voj. zdrav. listy, 1935, 11: 174-81.—Savignac. Les rectorragies solitaires au cours des états grippaux. Bruxelles méd., 1938-39, 19: 634.—Schmidt, M. Peritonitis bei Grippe. Münch. med. Wschr., 1941, 88: 718 (microfilm).—Skála-Rosenbaum, J. [Pelnar's disease: intestinal influenza] Cas. lék. česk., 1929, 68: 385.—Solieri, S. Ancora sulla sierosite peritoneale influenzale. Policlinico, 1937, 44: sez. prat., 1152-6.—Taterka, H. Chirurgische Komplikationen der Bauchorgane bei Grippe. Deut. Zschr. Chir., 1931, 233: 67-72.—Taviani, S. Complicanze influenzali a carico del sistema dentario. Rass. internaz. clin. ter., 1926, 7: 393-403.—

Tecoz, R. M. Les hémorragies intestinales au cours de la grippe. Praxis, Bern, 1941, 30: 866.—Tomarkin, E., & Loewenthal, W. Langwierige postgrippöse Stomatitis mit Befund von Influenzabazillen. Schweiz. med. Wschr., 1927, 57: 787.—Uebermuth, H. Seltene abdominale Grippeformen. Deut. Zschr. Chir., 1938, 250: 149-57.—Viegner, T., & Wellner, O. Eine seltene Grippekomplifikation. Med. Welt, 1929, 3: 647.—Villaret, M., & Guillaín. A propos de 3 cas de parotidite grippale. Gaz. hôp., 1931, 104: 1563.—Vishnevetskaia, T. R. [Effect of parenteral infection (grippe) on the fermentative activity of the gastro-intestinal tract in hypotrophy] Pediatra, Moskva, 1938, No. 7-8, 45-50.—Woll, J., & Wetzel, H. Akute Pankreatitis bei Grippe. Deut. med. Wschr., 1931, 57: 1199.

— Ear [incl. otorhinolaryngological aspect]

See also subheadings.

BOUVIER, F. J. *Aperçu sur les mastoïdites grippales et conclusions à en tirer au cours de l'Exercice 1930-31 à la clinique oto-rhino-laryngologique de l'Hôpital Cantonal de Genève [Genève] 53p. 8°. Aix-les-Bains, 1932.

VACHEY, P. *Contribution à l'étude de l'otite grippale. 43p. 8°. Par., 1927.

Baratoux, J. A propos des interventions sur la mastoïde dans la grippe. J. méd. Paris, 1931, 51: 903.—Beyer, H. Grippeotitis. Zschr. Hals &c. Heilk., 1928, 21: 51-61.—Bianculi, H. Otopatia aguda gripal; otitis, mastoiditis yugodistrica, labirintitis. Sem. méd., B. Air., 1930, 43: pt 1, 226-8.—Brunetti, F. Otomastoiditi acute influenzali con paralisi del VII? Arch. ital. otol., 1933, 45: 32-8.—Censky, A. [Oto-genous, nasal and laryngeal complications during the last influenza epidemic in Brno] Cas. lék. česk., 1935, 74: 1174.—Claus, G. Grippe und Mittelohrentzündung. Klin. Wschr., 1928, 7: 2063-5.—Cohen, H. The ear, nose and throat in influenza. Am. Physician, 1926, 31: 641; 652.—Complanche (Le) auriculaire dell'influenza. Gior. ocul., 1930, 11: 28-30.—Didsburg. Otitis media aguda gripal en un adulto, sin perforación espontánea ni provocada del tímpano; salida de pus por la trompa de Eustaquio; curación rápida de la otitis. Bol. lar. otol., Madr., 1904, 4: 411.—Erdélyi, J. [Vestibular diseases in influenza patients in connection with mild, probably epidemic encephalitis] Budapesti orv. ujs., 1938, 36: 925-8.—& Bedő, E. Zur Frage der frühzeitigen Parazentese bei Säuglingen und Kleinkindern (anlässlich der diesjährigen Grippeepidemie) Mschr. Ohrenh., 1926, 60: 887-94.—Ernoult & Eschbach. Septicémie otitique à streptocoques après opération de mastoïdite grippale. Otorhinolaryng. internat., Lyon, 1937, 21: 498-500.—Gauthier, P. L'otite latente grippale chez l'enfant. Rev. méd. Suisse rom., 1927, 47: 104-8.—György, E. Ueber die Grippe-Otitiden. Wien. klin. Wschr., 1932, 45: 818-21.—Halphen, E. Labyrinthite séreuse suraiguë au cours d'une otite grippale. Ann. mal. oreille, 1927, 46: 610-9.—Harris, E. W. Acute otitis media in influenza. Proc. Postcolleg. Clin. Assemb. Coll. M. Ohio Univ., 1937, 4: 2-4.—Hesse, W. Otitis bei Influenza. Zschr. Laryng., 1927-28, 16: 479-82.—Hofhauser, J. Die Erreger der durch Erkältung (Influenza) verursachten Mittelohrentzündung. Acta otolar., Stockh., 1937, 25: 157.—Horníček, B. [Experiences with otitis media during current year's influenza epidemic] Cas. lék. česk., 1927, 66: 650-4.—Jeschek, J. Ueber Komplikationen bei Grippe-Otitis. Mschr. Ohrenh., 1937, 71: 1304-8.—Karelitz, S. Myringitis bullosa haemorrhagica. Am. J. Dis. Child., 1937, 53: 510-6.—Kearney, H. L. Otorhinolaryngologic aspects of influenza. N. Orleans M. & S. J., 1941-42, 94: 216.—Keogh, P. J. Some otitic complications of influenza. Irish J. M. Sc., 1927, 6, ser., 670-3. Also Med. Press & Circ., Lond., 1927, n. ser., 124: 527-9.—Kompaneetz, S. M. [Otitis of influenzal origin] Dnipropetr. med. J., 1929, 8: 709-16.—Kozlov, A. M. [Combined treatment of the vestibular syndrome following grippes, by injections of 40% solution of urotropin and ionozalvanodiatheym with potassium] Fizioterapija, Moskva, 1939, No. 2, 59.—Leukind, E. L. [Flora of post-influenzal, suppurative otitis and mastoiditis] Vest. otorinol., 1939, 99-109.—Milligan, W. Haemorrhagic types of ear disease occurring during epidemics of influenza. Proc. R. Soc. M., Lond., 1925-26, 19: Sect. Otol., 21-6. Also J. Lar. Otol., Lond., 1926, 41: 493-8. Also Rev. laryng., Par., 1927, 48: 594-9.—Morris, S. J. Otorhinolaryngological complications of influenza. In Med. Dep. U. S. Army in the World War, Wash., 1924, 11: pt 2, 779-90.—Novak, F. J., jr. The ear, nose and throat in influenza. Clin. Med., 1942, 49: 272-4.—Nüßmann, T. Die Erkrankung des Gehörorgans bei Influenza (Grippe) Med. Welt, 1939, 13: 877-9.—O'Malley, J. F. Ear complications of influenza. Brit. M. J., 1932, 1: 90-2. Also Aural complications of influenza. Med. Press & Circ., Dubl., 1935, 190: 303-6.—Orlova, E. F., & Minkovskiy, A. K. [Diagnostic and prognostic importance of the change of the composition of the blood in influenzal mastoiditis] Vest. sovet. otorinol., 1933, 26: 74-80.—Pchelkin, N. A. Influenzal otitis media. Pacific Coast J. Homoeop., 1936, 47: 437-9.—Pirodda, A. Ricerche sulla etiologia delle otiti da influenza. Gior. batt. immun., 1938, 21: 657-63.—Pop, L. [Influenza and complications; prevention and treatment; data from the oto-rhinolaryngological clinic of Cluj in 1934-35] Cluj. med., 1935, 16: 490-5.—Rosenblatt, M., Lévy, G., & Cheyachmann, L. Prévention et clinique des affections otiques d'étiologie grippale chez les enfants d'après les données

de l'épidémie 1932-33. Arch. méd. enf., 1937, 40: 265-73.—**Roussel & Deyme**. L'autohémothérapie dans la prévention des otites grippales. Bull. Soc. méd. mil. fr., 1938, 32: 479.—**Sargnon, Dechaume & Joussame**. Otite grippale droite, mastoïdite, paralysie du moteur oculaire externe gauche; mort par méningite tardive. Ann. otolar., Par., 1934, 60-2.—**Sharpe, W. S.** The influenzal ear. Proc. R. Soc. M., Lond., 1927-28, 21: Sect. Lar. Otol., 103-6. Also J. Lar. Otol., Lond., 1928, 43: 867-9.—**Shulga, A. O.** [Grippal otitis and accompanying meningoenzephalitis] Vest. otorinolar., 1941, No. 3, 52-9.—**Smith, A. B.** Influenzal labyrinthitis without suppurative otitis media. J. Lar. Otol., Lond., 1935, 50: 263-7, 3 pl.—**Steuber**. Ueber Grippeotitis, unter besonderer Berücksichtigung der Verhältnisse an der Univ.-Ohren-Klinik Würzburg während der Grippeepidemie 1934-35. Deut. Militärarzt, 1937, 2: 66-9.—**Tanturri, D.** Antro-mastoidite congestiva grippale. Rass. ital. otorinolar., 1932, 6: 161-8.—**Toback, A.** Die Grippekrankungen des Ohres. Med. Klin., Berl., 1938, 34: 349-52.—**Vogel, K.** Die akuten Erkrankungen des Ohres und der oberen Luftwege bei Grippe. Deut. med. Wschr., 1933, 59: 222-5.—**Woods, R. R.** Acute mastoiditis. Irish J. M. Sc., 1933, 6. ser., 90: 258-64.—**Wright, A. J.** The management of the ear, nose and throat in influenza. Bristol Med. Chir. J., 1932, 49: 123-30.

— endemic.

Field, C. G. Endemic influenza. Med. J. & Rec., 1926, 123: 425.—**Hamer, W. H.** The endemic influenza prevalences of the 3 years 1933, 1934 and 1935, together with some comments thereon, in the light of recent literature concerning influenza. J. State M., Lond., 1936, 44: 125-45.—**Tushinsky, M. D.** & **Osinskaja, V. V.** [Pneumonia during the period of endemic grippe in 1939] Klin. med., Moskva, 1940, 18: No. 2, 52-8.

— Endocrine system.

CIMBELMANN, B. *Ueber Menstruationsveränderungen bei der Grippe. 17p. 8°. Basel, 1926.

Also Schweiz. med. Wschr., 56:

De Ritis, F. & Stoffi, G. Virus influenzale e ghiandole surrenali. Boll. Soc. ital. biol. sper., 1939, 14: 116-8.—**Gross, R.** & **Scharff, O.** Ueber einen Fall von akutem Exophthalmus nach Grippe. Med. Klin., Berl., 1930, 26: 657.—**Karlinskaia, A. F.** [Pathomorphology of the endocrine glands in young children during grippal infection] Sovet. pediatrii., 1935, No. 7, 10-47.—**Kovács, A.** Beiderseitige akute Nebennierenblutung bei Influenza. Frankf. Zschr. Path., 1929, 38: 387-99.—**López Albo, W.** Dos casos de hipotiroidismo post-gripal; pequeña insuficiencia tiroidea; hipotiroidismo parcial; trastornos mentales, hipersomnia y cefalea. Progr. clín., Madr., 1919, 13: 122-8. — Un nuevo caso de hipofunción tiroidea post-gripal; forma neurálgica del hipotiroidismo. Ibid., 14: 217-9.—**Masson, P.** La mitonécrose. Tr. R. Soc. Canada, 1933, 3. ser., 27: Sect. 5, 163-7.—**Rossiiskiy, D. M.** [Grippal infection and the endocrine system] Bull. eksp. biol. med., 1942, 14: No. 2, 11-3. — & **Abramova, N. D.** Les affections grippales des glandes endocrines. Rev. fr. endocr., 1937, 15: 109-14. Also Vrach. delo, 1937, 19: 211-4.—**Schultze, K.** Eitrige Strumitis nach Grippe. Zbl. Chir., 1926, 53: 2258-60.—**Schwaighofer.** Nebenniereninsuffizienz bei Grippe in der Schwangerschaft. Med. Klin., Berl., 1940, 36: 1320 (Abstr.)

— epidemic [and pandemic]

JORDAN, E. O. Epidemic influenza; a survey. 599p. 8°. Chic. [1927]

SCHMITZ, M. *Zur Epidemiologie der Grippe in den letzten zehn Jahren. 63p. 8°. Bonn, 1931.

Ahlström, C. G. [Epidemic influenza, a survey of modern research] Nord. med., 1939, 2: 1343-8.—**Andrewes, C. H.** Epidemic influenza. Lancet, Lond., 1939, 1: 589-91.—**Banov, L.** Ubiquitous influenza. J. S. Carolina M. Ass., 1941, 37: 31.—**Bihler, R.** Zur Epidemiologie der Grippe in den letzten 3 Jahren; Erfahrungen aus der Medizinischen Klinik Münster. Deut. med. Wschr., 1931, 57: 2177.—**David, A.** Notes sur une épidémie de grippe. J. sc. méd. Lille, 1921, 39: pt 1, 465-70.—**DeCourcy, C.** & **Thuss, O.** The influenza epidemics of 1918 and 1941. Ohio M. J., 1941, 37: 964-6.—**Donath, J.** Zu welchen praktischen Ergebnissen hat die Beobachtung der Grippefälle der letzten Jahre geführt? Wien. klin. Wschr., 1927, 40: 273.—**Doull, J. A.** & **Bahlke, A. M.** Epidemic influenza; a comparison of clinical observations in a major and a minor epidemic. Am. J. Hyg., 1933, 17: 562-80.—**Epidemias de grippe en el siglo XX.** Día méd. Uruguay, 1936-37, 4: 53; 70.—**Epidemic influenza.** Brit. M. J., 1938, 1: 1008. Also Lancet, Lond., 1938, 1: 959. Also Clin. Excerpt, 1942, 16: 67-75.—**Francis, T., jr.** Epidemic influenza. Bull. N. York Acad. M., 1941, 17: 268-79.—**Frazier, J. M.** Influenza; comparative experience in 2 epidemics. Texas J. M., 1930-31, 26: 523.—**Friend, G. E.** Institutional influenza: epidemic and endemic. Practitioner, Lond., 1933, 130: 37-47.—**Gsell, O.** Die Grippe; Erkrankungen in den Jahren 1920-32. Erg. ges. Med., 1932, 17: 455-500.—**Hartston, W.** Epidemic influenza. Brit. M. J., 1940, 2: 878.—**Huber, E. G.** A statistical study of the morbidity in 5 influenza epidemics between 1922 and 1932.

Am. J. Hyg., 1933, 18: 727-35.—**Influenza in minor epidemics.** J. Trop. M. Hyg., Lond., 1935, 38: 22.—**Influenza in retrospect.** Lancet, Lond., 1940, 1: 762.—**Influenza epidemics; some commondrums.** Brit. M. J., 1942, 2: 556.—**Laurie, W.** Notes on an epidemic of influenza. Ind. M. Gaz., 1941, 76: 329-33.—**Martin, A. E.** & **Fairbrother, R. W.** An epidemic of apparent influenza. Lancet, Lond., 1939, 2: 1313-5.—**Nardini, R.** Osservazioni etiological-anatomico-patologiche e cliniche sopra l'epidemia influenzale degli ultimi anni. Gazz. osp., 1927, 48: 169.—**Paton, J. H. P.** Clinical studies of influenza; a school epidemic possibly influenzal in origin. Rep. S. Andrews Inst. Clin. Res., Lond., 1926, 3: 126-38.—**Rickard, E. R.** La influenza epidémica. Rev. méd. cubana, 1941, 52: 15-22.—**Sulkin, S. E., Smith, J. E.** & **Douglass, D. D.** Experimental study of an institutional outbreak of epidemic influenza. J. Infect. Dis., 1941, 69: 278-81.—**Tanon, L.** La grippe pandémique et les grandes manifestations mondiales. Rev. sc. Par., 1937, 75: 239-43.—**Wauchope, G. M.** Minor epidemics of influenza (epidemic catarrh) a clinical study of 9 seasons, 1924-33. Lancet, Lond., 1935, 1: 879; 949.

— epidemic: History.

BADEN. GROSSHERZÖGLICHE BEZIRKSÄRZTE. Bericht über das Auftreten der Influenza im Grossherzogthum Baden in Jahre 1889-90. 50p. 8°. Karlsruhe, 1891.

Dias, A. A. C. *Manifestações clinicas da epidemia de 1889 a 90 (apontamentos colhidos no Hospital de Santa Martha) 85p. 8°. Lisb., 1890.

SYDENHAM, T., FRANK, G. P., & ODIER, L. La grippe; sua cronologia, sua recente apparizione in Parigi ed altro di analogo alla medesima. 42p. 21cm. Milano, 1837.

Andel, M. A. van [La grippe in the 16th century] Bijdr. gesch. geneesk., 1929, 9: 328-34. Also Ned. tsschr. geneesk., 1929, 73: pt 2, 5744-50.—**Brown, M. W.** Early epidemics of influenza in America. Med. J. & Rec., 1932, 135: 449-51.—**Burckhard, G.** Zur Geschichte der Influenza. Sudhoffs Arch., 1929, 22: 201-5.—**Daday, A.** [Data on the history of influenza epidemics] Budapesti orv. ujs., 1939, 37: 224.—**Höder, F.** Zur Geschichte und Aetiologie der Grippe. Med. Welt, 1933, 7: 256-8.—**Luciani, F.** Sul catarro epidemico, o grippe del 1837. Arch. sc. med. fis. toscane (1837-38) 1840, 1: 419-35.—**Münster, L.** Epidémie di influenza nei secoli passati (alcuni documenti inediti sul mal matrone, a Bologna) Rass. clin. ter., 1934, 33: Boll. Ist. stor. ital. san., 1-19.—**Namias.** Cenni storico-patologici sulla febbre reumato-catarrale detta comunemente grippe osservata in Genova e più particolarmente in Quiliano. Gior. progr. pat., Venez., 1839, 10: 133.—**Nogué Roca, J.** Un caso de influenza. Rev. homeop., Barcel., 1892, 3: 24-9.—**Nota sul grippe di Parigi e sul suo trattamento.** Filarete sebezio, Nap., 1837, 13: 208-15.—**Reichel, H.** Zur Geschichte und Epidemiologie der Grippe. Münch. med. Wschr., 1934, 81: 117-9.—**Rush, B.** An account of the influenza, as it appeared in Philadelphia, the autumn of 1789, in the spring of 1790 and in the winter of 1791. Nebraska M. J., 1934, 19: 410-13.—**Townsend, J. F.** History of influenza epidemics. Ann. M. Hist., 1933, n. ser., 5: 533-47.

— epidemic: History—1918-19.

LARIZZA, P. L'influenza (con speciale riguardo ai caratteri clinici ed etiologici della presente pandemia estiva) 36p. 26½cm. Reggio Calabria, 1918.

MOURITZ, A. The flu; a brief history of influenza in U. S. America, Europe, Hawaii. 36p. 8°. Honolulu, 1921.

ROBERTSON, J. D. A report on an epidemic of influenza in the city of Chicago in the fall of 1918. 109p. 8°. Chic., 1918.

SEN, R. K. A treatise on influenza, with special reference to the pandemic of 1918. 150p. 8°. Lond., 1923.

THOMSON. La grippe de 1918; son traitement, sa prophylaxie. 2. éd. 12p. 8°. Par., 1918.

Bottelli, U. L'influenza del 1918-19 nei bambini ospedalizzati (statistica; eziologia; conclusioni) Osp. maggiore, Milano, 1926, 3. ser., 14: 11-6.—**Britten, R. H.** The incidence of epidemic influenza, 1918-19; a further analysis according to age, sex, and color of the records of morbidity and mortality obtained in surveys of 12 localities. Pub. Health Rep., Wash., 1932, 47: 303-39.—**Haldane, J. S.** The influenza epidemic of 1918; colour of the blood in fatal cases. Brit. M. J., 1929, 1: 1070.—**Hrenoff, A. K.** The influenza epidemic of 1918-19 in San Francisco. Mil. Surgeon, 1941, 89: 805-11.—**Jordan, E. O.** The influenza epidemic of 1918; encephalitis and influenza. J. Am. M. Ass., 1927, 89: 1603-6; 1689; 1779.—**Lasnier, E. P.** Resultados necróscopicos en algunos casos de

grippe pneumónica de la epidemia del invierno de 1919 en Montevideo. An. Fac. med., Montev., 1920, 5: 227-54.—**Nakagawa, H.** Bacteriological observations on influenzal pneumonia; cases in the spring epidemic of 1919. J. Orient. M., Dairen, 1928, 8: 13-5.—**Ortega, L.** La epidemia actual de gripe. Crón. méd. quir. Habana, 1918, 44: 633-8.—**Pirquet, C.** War die Influenzaepidemie des Jahres 1918 ätiologisch identisch mit der des Jahres 1890? Wien. med. Wschr., 1926, 76: 10.—**Sánchez de Val, A.** Consideraciones clínicas sobre la epidemia actual; revisión del concepto de gripe. Progr. clín., Madr., 1918, 12: 355-63.—**Sydenstricker, E.** The incidence of influenza among persons of different economic status during the epidemic of 1918. Pub. Health Rep., Wash., 1931, 46: 154-70.—**Van den Branden, F.** La grippe espagnole au Stanley-pool. Rev. méd., Louvain, 1919, 287.—**Wahlgren, F.** On the frequency of croupy pneumonia in Stockholm before and after the influenza epidemic 1918-19. Acta med. scand., 1926, Suppl. 16: 643-50.—**Wilson, E. B., & Hilferly, M. M.** On the explosiveness and destructiveness of the 1918 epidemic. Proc. Nat. Acad. Sc. U. S., 1936, 22: 120-2.

epidemic: History—1920-25.

Bianchi, A. E. Sobre la actual epidemia en Santa Catalina (Prov. de Jujuj). Prensa méd. argent., 1925-26, 12: 1135-7.—**Bronowski, S.** [Observations on gripe epidemic in Warsaw in 1925-26]. Polska gaz. lek., 1927, 6: 12.—**Jaccottet, L.** L'épidémie de gripe à la Pouponnière en hiver 1925-26. Rev. méd. Suisse rom., 1929, 49: 432.—**Liebmann, E.** Ueber die Grippe-Epidemie 1924-25. Schweiz. med. Wschr., 1926, 56: 321-3.—**Middleton, W. S.** The influenza epidemic of 1920. Wisconsin M. J., 1926, 25: 237-41.—**Sokolov, S. N.** [Certain peculiarities of epidemic influenza in children in Russia]. Vrach. delo, 1926, 9: 1202.—**Taccone, G.** Sopra alcune ricerche eseguite durante la epidemia grippale del 1925-26 a Milano. Clin. pediat., Mod., 1927, 9: 659-76.

epidemic: History—1926-27.

Action taken by the Health Section of the League of Nations in the influenza epidemic of 1926-27. Pub. Health Rep., Wash., 1927, 42: 819-22.—**Burgess, A. M.** Influenza and its pulmonary complications: a study of the incidence and character of the March, 1926, epidemic in Providence and at Brown University. Am. J. M. Sc., 1927, 173: 818-24.—**Duff, J., & Noble, W. C., jr.** A clinical and bacteriological study of so-called influenza in New York City, in 1926. J. Prev. M., 1928, 2: 205-12.—**Feyrter, F.** Zur Pathologie der Grippe (Wien 1926). Wien. med. Wschr., 1927, 77: 906; 933.—**Fischl, R.** Eindrücke von der diesjährigen Grippeepidemie. Med. Klin., Berl., 1927, 23: 592-4.—**Gates, F. L.** Bacterium pneumosintes in clinical influenza in New York City in 1926. J. Exp. M., 1926, 44: 787-94.—**Guérin, A.** Quelques aspects de la grippe en 1927. Rev. gén. clin. thé., 1927, 41: 341-4.—**Guttman, M. R.** Otitis externa herpetica as a complication of the present influenza epidemic. Laryngoscope, 1926, 36: 805-8.—**Hesse, E.** Der Verlauf der Grippeepidemie 1926-27 im Deutschen Reiche. Aerzt. Mscr., 1927, 358-66.—**Influenza (The) epidemic of 1926; a preliminary note on certain epidemiological indications.** Pub. Health Rep., Wash., 1926, 41: 1759-74.—**Influenza (The) outbreak in Europe.** Ibid., 1927, 42: 283-6.—**Jacquet, P.** Sur l'épidémiologie de la grippe. Bull. Soc. méd. hôp. Paris, 1927, 3. ser., 51: 283-5.—**Kasanska, E.** [Epidemic of influenza in 1926; data from the Children's Hospital in Dnepropetrovsk (Russia)]. Dnepropetrovsk, med. J., 1930, 9: 244-53.—**Kessel, F. O.** Die akute Mittelohrentzündung bei der Grippe Januar-Februar 1927. Med. Korb. Württemberg, 1927, 97: 475.—**Kimmerle, A.** Die letzte Grippeepidemie mit einem Rückblick auf die Epidemien früherer Zeiten. Fortsch. Med., 1927, 45: pt 2, 139-45.—**Die Grippe in den Jahren 1926-27.** Ibid., 1928, 46: 101-6.—**Kraus, O.** Beobachtungen während der Grippeepidemie 1926-27. Med. Welt, 1927, 1: 605.—**Leschke, E.** Die Grippe. Umschau, 1927, 31: 221-3.—**Lombard, H. L., & Dorrington, C. R.** Influenza in Massachusetts. Boston M. & S. J., 1926, 195: 405-10.—**Magelsen, A.** [Epidemics of influenza in Stockholm]. Hygiea, Stockh., 1927, 89: 501-13.—**Maly, G.** Zur diesjährigen Grippeepidemie und über medikamentöse Erfahrungen. Deut. med. Wschr., 1927, 53: 829-31.—**Moe, K.** [Observations on the recent influenza epidemic]. Med. rev., Bergen, 1927, 44: 385-9.—**Naegeli, U.** Ueber den jetzigen Stand der Grippe-Epidemie. Schweiz. med. Wschr., 1927, 57: 653.—**Nasyitis, M.** [Clinical observations of the influenza epidemic in 1927]. Medicina, Kaunas, 1927, 8: 349-54.—**Polednák, L.** [Cases of otitis media during the influenza epidemic of 1926-27]. Cas. lék. česk., 1928, 67: 359-62.—**Pulgram, F., & Fischer, Z.** Ueber die Grippe des Jahres 1927. Wien. klin. Wschr., 1928, 41: 455-7.—**Reh, T.** Notes sur l'épidémie de gripe de décembre 1926 et janvier 1927 à Genève. Rev. méd. Suisse rom., 1927, 47: 399-404.—**Rénard, M., & Juge, C.** Note sur les caractères et l'évolution de la récente épidémie de gripe. Bull. Acad. méd., Par., 1927, 3. ser., 97: 216-9.—**Rosenblüth, A.** Grippeepidemie unter Schulkindern; Entstehung und Verlauf. Wien. klin. Wschr., 1926, 39: 789.—**Schlihter, E.** Ueber die akute Mittelohrentzündung der Grippeperiode des Frühjahr 1927. Schweiz. med. Wschr., 1927, 57: 1042-5.—**Schott, R.** Rückblick auf die Grippeperiode im Bezirk Esslingen. Med. Korb. Württemberg, 1927, 97: 489.—**Singer, E.** Bakteriologische Befunde bei Grippekranken der Prager Epidemie

1926-27. Zbl. Bakt., 1. Abt., 1927, 104: 226.—**Taterka, H., & Landsberg, M.** Erfahrungen bei der letzten Grippeepidemie. Med. Klin., Berl., 1927, 23: 389-92.

epidemic: History—1927-29.

Bloss, W. W. *Beobachtungen aus der Grippe-Epidemie des Winters 1928-29 [Leipzig] 56p. 8°. [Zeulenroda, 1930]

Falk, I. S., Harrison, R. W. [et al.] Experiments on the etiology of the influenza epidemic of 1928-29. 192p. 8°. Balt., 1931.

Stahl, H. *Ueber die Grippe, unter Berücksichtigung der Fälle der medizinischen Klinik während der Epidemie von 1929. 43p. 8°. Bonn, 1930.

Alessio, F. Osservazioni cliniche sul decorso delle complicanze broncopulmonari da influenza nell'inverno del 1929. Gior. med. Alto Adige, 1930, 2: 38-71.—**Barth, E., & Hahn, M.** Weitere Grippestudien anlässlich einer neuen Epidemie von Influenza vera in der Universitäts-Kinderklinik Halle im Winter 1928-29. Zschr. Kinderh., 1929, 48: 366-70.—**Barth, E., Herbst, R., & Neumann, H.** Ueber eine durch Influenzabacillen verursachte Grippeepidemie in der Universitäts-kinderklinik Halle. Ibid., 1928, 46: 291-302.—**Bezançon, F., Chevalley [et al.]** Caractères cliniques et épidémiologiques de l'épidémie dite de gripe de l'hiver 1929. Bull. Soc. méd. hôp. Paris, 1929, 3. ser., 53: 668-78.—**Collins, S. D.** The influenza epidemic of 1928-29 with comparative data for 1918-19. Am. J. Pub. Health, 1930, 20: 119-29.—**The influenza epidemic of 1928-29 in 14 surveyed localities in the United States; an analysis, according to age, sex, and color, of the records of morbidity and mortality obtained in the surveys.** Pub. Health Rep., Wash., 1934, 49: 1-42.—**Cooper, M. L.** The association of green-colored streptococci with the present epidemic of so-called influenza. J. Med., Cincin., 1929-30, 10: 175.—**Douthwaite, A. H.** Treatment of influenza, the prevailing epidemic in London. Lancet, Lond., 1929, 1: 359.—**Dufourmentel, L.** Les complications oto-rhino-laryngologiques de la grippe actuelle. Prat. méd. fr., 1929, 8: 107-13.—**Einhorn, M.** Effect of the recent epidemic of influenza (December, 1928, January, 1929) on the recurrence of gastric and duodenal ulcers. Med. J. & Rec., 1929, 130: 75-8.—**Ferreri, G.** Sulla frequente associazione di otiti e sinusiti della faccia nella recente epidemia influenzale. Bull. Accad. med. Roma, 1929, 55: 89-91.—**Frost, W. H., & Van Volkenburgh, V. A.** The minor respiratory diseases as observed during the influenza epidemic of 1928-29 and in a non-epidemic period. Am. J. Hyg., 1935, 21: 647-64. Also in Papers (Frost, W. H.) N. Y., 1941, 427-46.—**Fürth, L.** [Contribution of 1928 to the study on influenza]. Cas. lék. česk., 1929, 68: 315.—**Glaser, W.** Das Schlamm- oder Erntefieber (Sommergrippe) im Bezirksamt Erding im Jahre 1927. Münch. med. Wschr., 1928, 75: 1162.—**Green, H. W., & Rockwood, H. L.** The 1928-29 influenza epidemic in Cleveland. J. Prev. M., 1930, 4: 251-9.—**Guérin, A.** La grippe en 1929. Rev. gén. clin. thé., 1929, 43: 341-3.—**Hirsch, E. F., & Le Count, E. R.** A death in Chicago in September 1928, from influenza. J. Am. M. Ass., 1928, 91: 1186.—**Hoffmann, W.** Die Ausdehnung der Grippeepidemie 1928-29 in Berlin und einigen anderen deutschen Grossstädten. Deut. med. Wschr., 1929, 55: 1293-6.—**Kabelfik, J.** [Hemorrhages from brain and meninges during influenza epidemic of recent years (1928) in Prague]. Cas. lék. česk., 1929, 68: 784.—**Lewina, C. A.** Ueber gewisse Eigenheiten der letzten Grippe-Epidemie. Wien. klin. Wschr., 1930, 43: 1508-10.—**Lezhnev, V. N.** [Clinical characteristics of epidemic influenza in 1926-30, material from the Medical Faculty of the Therapeutic Clinic of the State University for Medical Sciences in Leningrad]. Ter. arkh., 1932, 10: 73.—**Miller, F. N.** The influenza epidemic at the University of Oregon in the fall of 1928. Pub. Health Rep., Wash., 1929, 44: 1353-62. Also West. M. Rev., 1929, 34: 242-54.—**Mortality of the current influenza epidemic.** Pub. Health Rep., Wash., 1929, 44: 117-22.—**Natorp, W.** Klinische Beobachtungen aus der Grippeepidemie 1929. Deut. med. Wschr., 1929, 55: 1377-80.—**Noeggerath, C.** Beobachtungen und Versuche bei der diesjährigen Grippe; die epidemiologische Rolle einiger Altersstufen bei der Grippe. Klin. Wschr., 1929, 8: 2270; 2324.—**Nussbaum, R.** Die Beteiligung von Ohren, Nase und Hals bei der letzten Grippe-Epidemie 1928-29. Arch. Ohr. &c. Heilk., 1929, 123: 133-5.—**Plavskaja, E. V.** [Influenza epidemic in the Balkhash region in 1929, Caucasus]. Vest. mikrob., 1930, 9: 225-30.—**Regan, J. C.** Influenza; forms and symptomatology; epidemic 1928-29. Arch. Pediat. N. Y., 1929, 46: 201-16.—**Rimbaud, L., Chardonnet, J. [et al.]** La grippe chez le vieillard pendant l'hiver 1927-28. Arch. Soc. sc. méd. biol. Montpellier, 1928, 9: 339-43.—**Scanlan, D. W.** Influenza; a clinical discussion of pulmonary symptoms and complications in a study of 100 cases from 1928-29 epidemic. J. M. Soc. N. Jersey, 1930, 27: 306-10.—**Seligmann, E., Jürgens, G. [et al.]** Grippe in Berlin. Med. Welt, 1929, 3: 113-22.—**Stallworth, W. L.** The recent epidemic of influenza and its complications. N. Orleans M. & S. J., 1929-30, 82: 594-600.—**Thomson, D., & Thomson, R.** A bacteriological investigation of the present influenza epidemic. Lancet, Lond., 1929, 1: 388-90.—**Traut, E. F., & Herrold, R. D.** The

influenza epidemic of 1928, a study of its bacteriology. Arch. Int. M., 1930, 45: 412-9.—Veldie, M. V. Morbidity in the influenza epidemic of 1928-29; preliminary report on surveys in certain cities. Pub. Health Rep., Wash., 1929, 44: 1133-7.

— epidemic: History—1930-32.

Falta, L. Vergleichende Angaben über Otitiden bei den einzelnen Grippeepidemien, mit besonderer Rücksicht auf die Epidemie 1931-32. Mschr. Ohrenh., 1932, 66: 1520-6.—Grabscheid, E. Ueber die Eigentümlichkeiten der Otitis bei der Grippeepidemie 1930-31 (Otitis interna gripposa). Zschr. Laryng., 1931, 21: 156-65.—McGowan, T. An outbreak of gastric and respiratory influenza in a boy's industrial school in Glasgow. Med. Off., Lond., 1931, 46: 115.—Mandry, O. C. Otero, P. M., & Suárez, J. Report of studies of the 1932 epidemic of influenza in Puerto Rico. Porto Rico J. Pub. Health, 1932, 8: 205-19, 2 pl.—Minaker, A. J. A recent outbreak of influenza (so-called) and its complications, treatment, and laboratory studies of blood and excretions. Pacific Coast J. Homoeop., 1931, 42: 175-86.—Petrilla, A. Epidemiological data to the influenza epidemic in 1931. Orsz. Közgyógy. Int. közl., 1931, 4: No. 12, 1-12.—Rejtő, A. Ueber die otitischen Eigenheiten der diesjährigen Influenzaepidemie. Zschr. Hals- & Heilk., 1932, 31: 406-10. [Discussion] 417.—Rymkiewicz, W. [Résumé de la communication sur la soi-disant grippe en Pomeranie]. Lek. wojsk., 1931, 18: 472.—Sireteanu, M. [Study of the influenza epidemic of 1931 in Cluj]. Cluj, med., 1931, 12: 650-4.—Skiutanskas, I. [Certain symptoms of recent influenza]. Medicina, Kaunas, 1931, 12: 317-23.

— epidemic: History—1932-33.

REUSCH, K. *Beitrag zum Problem der Grippe mit besonderer Betrachtung der Epidemie 1932-33. 28p. 8°. Erlangen, 1935.

WAGNER, H. *Das klinische Bild der Grippe-epidemie im Januar-Februar 1933 nach den Krankenblättern der Medizinischen Universitätsklinik zu Leipzig. 19p. 8°. Lpz., 1936.

Benvenuti, M. Su alcune particolari caratteristiche cliniche della epidemia influenzale del Volterrauo. Gior. med. prat., 1933, 15: 494-504.—Berg, H. H., Munk, F. [et al.]. Die diesjährige Grippeepidemie. Med. Welt, 1933, 7: 261-71.—Bolla, L. Alcune osservazioni sull'attuale epidemia influenzale. Gior. med. Alto Adige, 1932, 4: 481.—Claus. Zur Charakter der gegenwärtigen Grippeepidemie. Zschr. ärztl. Fortbild., 1933, 30: 162.—Collins, S. D., & Goner, M. L'épidémie d'influenza de l'hiver 1932-33 dans une groupe d'environ 95 villes des Etats-Unis. Bull. Off. internat. hyg. pub., Par., 1934, 26: 1732-8, map.—Denéchau, D. A propos de l'épidémie de grippe actuelle sévissant en Anjou. Arch. méd. Angers, 1933, 37: 33-8.—Dobretzer, I. A. [Influenza epidemic in the winter 1932-33]. Sovet. vrach. gaz., 1934, 38: 215-24.—Ganz, E. Die Grippeepidemie 1933 in Zürich. Schweiz. med. Wschr., 1934, 64: 923-7.—Heeres, P. A., & Koster, L. L'épidémie de grippe influenza in Assen in 1932]. Ned. tschr. geneesk., 1932, 76: pt 4, 5234-48, pl.—Influenza (The) epidemic of the winter 1932-33. Rapp. épidém., Genève, 1933, 12: 123-34.—Influenza in Europe 1932-33. Versl. volksgezondh., 1933, No. 2, 183-7.—Jürgens, G. Das Seuchenbild der Grippe. Med. Welt, 1933, 7: 253-6.—Kaplan, A. A., Ermakovskaja, N. P., & Kutumov, N. P. [Influenza affections in Tashkent during 1932 and 1933]. J. profil. subtrop. klin. med., Tashkent, 1934, 4: 61-71.—Krehnke, O. Epidemisches Auftreten der Grippe im Winter 1932-33. Reichsgesundhbl., 1933, 8: 562-7.—Lacalle, E. La gripe infantil; consideraciones sobre la última epidemia. An. Hosp. S. José, Madrid, 1932-33, 4: 161-3.—Lewenstein, H., & Schmitz, H. A. Grippepsychosen während der Epidemie 1932-33. Deut. med. Wschr. 1933, 59: 646-8.—Linden, H. Medizinisch-statistische Tatsachen und Betrachtungen zur neuen Grippepelle. Ibid., 225.—Pittaluga, G. Sobre la actual epidemia de gripe. Rev. san. hig. pub., Madrid, 1933, 8: 167-9.—Prausnitz, C. Die Grippeepidemie in Breslau im Spätwinter 1932. Deut. med. Wschr., 1932, 58: 547.—Zur Grippeepidemie, 1933. Ibid., 1933, 59: 217-9.—Reiter. Epidémies d'influenza en Allemagne pendant l'hiver 1932-33. Bull. Off. internat. hyg. pub., Par., 1934, 26: 1726-31.—Rodenbeck. Die Grippeepidemie im Winter 1932-33 in einigen ausserdeutschen Ländern. Reichsgesundhbl., 1933, 8: 700.—Starr, K. W. Some aspects of an influenza epidemic (1933). Med. J. Australia, 1934, 2: 483-6.

— epidemic: History—1933-36.

BARABAS, A. *L'épidémie de grippe de 1935 en Roumanie. 37p. 8°. Par., 1937.

BARTSCH [H.] W. *Das klinische Bild der Grippeepidemie im Jahre 1934-35 und ihre Differentialdiagnose. 24p. 8°. Bonn, 1936.

GANZ, E. *Die Grippeepidemie 1933 in Zürich [Zürich] 17p. 8°. Basel, 1933.

Also Schweiz. med. Wschr., 1934, 64:

HADASCHIK, E. *Nebenhöhlenaffektionen und Neuralgien, zwei häufige Symptome der Grippe-

epidemie 1935 [Würzburg] p.312-22. 8°. Lpz., 1935.

Also Zschr. Laryng., 1935, 26:

HENNEBERG, H. *Ueber die Grippepneumonien 1933 [Rostock] 16p. 8°. Greifswald, 1935.

SCHATTENBERG, J. *Zur Haematologie und Bakteriologie der diesjährigen Grippe [Rostock] 13p. 8°. Würzb., 1934.

Alzona, L. La ricerca dei bacilli di Pfeiffer nell'epidemia influenzale del 1935. Riforma med., 1935, 51: 1144.—Astvasaurov, M. I. [Effect of influenzal infection on the course of organic affections of the nervous system during the epidemic of 1934 in Leningrad]. Tr. Acad. mil. méd. Kiroff, 1936, 6: 55-61.—Belimov, P. F., & Benderskaia, E. A. [Microbiological investigation on sporadic and epidemic influenza in 1933-34]. Sovet. klin., 1934, 20: 616-22.—Berger, W., Seemayer, H., & Schmetz, J. Das heutige Bild der Grippe. Münch. med. Wschr., 1934, 81: 119-25.—Catalbarrac, M. Note sur l'épidémie de grippe en décembre 1934. Bull. Soc. path. exot., Par., 1935, 28: 330-3.—Edens, I., Herzberg, K., & Huebschmann, P. Beitrag zur Klinik, Bakteriologie und pathologischen Anatomie der diesjährigen Grippeepidemie. Med. Klin., Berl., 1933, 29: 865-7.—Erdélyi, E. Oto-rhino-laryngologische Erfahrungen bei der diesjährigen Grippeepidemie. Mschr. Ohrenh., 1933, 67: 1412-8.—Gorchakov, I. A. [Influenzal outbreaks among children in the beginning of 1936]. Klin. med., Moskva, 1936 14: 1835-7.—Helsmoortel, J., jr. Aspect des complications auriculaires pendant l'épidémie de grippe de l'hiver 1933-34. Ann. otol., Par., 1934, 1008-10.—Höring, P. O. Atmosphärische Faktoren während der Grippeepidemie 1933 in Kiel. Verh. Deut. Ges. inn. Med., 1933, 45. Kongr., 393-402.—Huertas, D. F. Nota clinica sobre la actual epidemia de gripe. Rev. españ. med. cir., 1935, 18: 10-5.—Joltrain, E. Considérations sur l'épidémie de grippe de 1934-35. Bull. Acad. méd., Par., 1936, 3. ser., 115: 763-72.—Lapp, F. W., & Wicke, M. Zur Grippepelle 1935. Deut. med. Wschr., 1935, 61: 1722-4.—Lewenstein, H., & Schmitz, H. A. Grippepsychosen während der Epidemie 1932-33. Psychiat. neur. Wschr., 1933, 35: 152-7.—Loben, F. Zur Klinik der Grippe, unter besonderer Berücksichtigung der Epidemie des Jahres 1933. Zschr. ärztl. Fortbild., 1934, 31: 161-6.—Lozano, R., & Zamarrigo. Sobre la actual epidemia gripal. Med. ibera, 1935, 29: pt 1, 625-7.—Marçon & Mondon. Formes cliniques de la grippe au cours de l'épidémie de 1935 à Toulon. Arch. méd. pharm. nav., 1935, 125: 673-88.—Riedl, L. [Characteristics of the influenzal epidemic of the present year]. Cas. lek. česk., 1935, 74: 628-30.—Riera López, S. Notes on the epidemiology of influenza in Puerto Rico, with special reference to the epidemic of 1934. Puerto Rico Health Bull., 1940, 4: 199-203.—Risier, J. Application de la méthode d'impregnation à l'hygiène scolaire; statistiques relatives à l'épidémie de grippe de 1935. Presse méd., 1935, 43: 705.—Samaritan-Călarăsi, P. [History of influenza in Roumania]. Spitalul, 1935, 55: 232.—Schmitz, H. Bakteriologische Untersuchungen der diesjährigen Grippeepidemie (1933). Zbl. Bakt., 1. Abt., 1933, 130: 58.—Thomson, D., & Thomson, R. Some features of the influenzal epidemic in the spring of 1935. Brit. M. J., 1935, 2: 62.—Tushinsky, M. D. [Pneumonias of the influenzal epidemic of 1936]. Sovet. vrach. J., 1936, 1: 1469-73.—Wätjen, J. Pathologisch-anatomische Erfahrungen bei der Grippeepidemie des letzten Winters mit besonderer Berücksichtigung der Influenzabazillenbefunde. Deut. med. Wschr., 1937, 63: 993-8.—Wigand, R. Beobachtungen an grippekranken Studenten während der diesjährigen Grippeepidemie. Münch. med. Wschr., 1933, 80: 1435-7.—Wodak, E. Trigeminalneuralgie nach Nebenhöhlenaffektion, ein Charakteristikum der heurigen Grippeepidemie? Med. Klin., Berl., 1933, 29: 676-8.—Yver. Complications grippales relevant de l'otorhino-laryngologie au cours de l'épidémie du 1935 à Toulon. Arch. méd. pharm. nav., 1935, 125: 689-92.

— epidemic: History—1936-37.

STUART-HARRIS, C. H., ANDREWES, C. H., SMITH, W. [et al.]. A study of epidemic influenza: with special reference to the 1936-37 epidemic. 151p. 8°. Lond., 1938.

Agnoli, R., & Vallebona, A. Studio clinico-radiologico delle forme influenzali osservate nell'inverno 1936-37. Clin. med. ital., 1937, 68: 867-98.—Beutler, W. Beobachtungen bei der diesjährigen Spät-Frühjahrsgrille. Med. Klin., Berl., 1937, 33: 1272.—Danson, J. G. Report on influenza epidemic in winter of 1936-37, R. N. H., Chatham. J. R. Nav. M. Serv., 1937, 23: 257-9.—Dennig, H. Ueber den Charakter der gegenwärtigen Grippeepidemie in Berlin. Deut. med. Wschr., 1937, 63: 178-80. Also Verh. Berl. med. Ges. (1936) 1937, 67: 314-9.—Dobretzer, I. A. [Epidemiological features of the influenza outbreak in the winter of 1936]. Sovet. vrach. J., 1937, 2: 441-53.—Entwicklung (Die) der Grippepelle. Reichsgesundhbl., 1937, 12: 52.—Geiger, J. C., & Gray, J. P. Influenza: the San Francisco outbreak of January-February, 1937. California West. M., 1937, 46: 379-81.—Haebl, E. Beobachtungen bei der diesjährigen Grippeepidemie. Hippokrat., Stuttgart., 1937, 8: 408-12.—Influenza (The) epidemic.

Brit. M. J., 1937, 1: 126; 451.—**Influenza** (The) epidemic [Great Britain] J. Am. M. Ass., 1937, 108: 567.—**Influenza** (The) epidemic in retrospect. Lancet, Lond., 1937, 1: 1073.—**Influenza** in Europe. Pub. Health Rep., Wash., 1937, 52: 190.—**Influenza** in the United States. J. Am. M. Ass., 1936, 107: 1814.—**Joltrain, E.** La grippe à Paris. J. méd. chir., Par., 1937, 108: 40–42.—**Kacprzaka, M.** [Influenzal epidemic] Warsz. czas. lek., 1937, 14: 157.—**Kahlstorf.** Kreislaufbeobachtungen bei der Grippeepidemie 1936–37. Deut. med. Wschr., 1938, 64: 42–5.—**Meier, E., & Baland, M.** Erfahrungen aus der Krankenkassenerhebung über die Grippeepidemie 1936–37. Reichsgesundhbl., 1937, 12: 583–8.—**Recent** (The) epidemic of influenza in Germany. Brit. M. J., 1937, 1: 714.—**Sluzar, W. J.** [Observations on the grippe epidemic in 1937] Med. prakt., Poznań, 1937, 11: 77–83.—**Smorodintsev, A. A. Drobyshevskaya, A. I., & Shishkina, O. I.** On the aetiology of the 1936 influenza epidemic in Leningrad. Lancet, Lond., 1936, 2: 1383–5. Also Sovet. vrach. J., 1936, 1: 1455–69.—**Vaubel, W.** Die trockene Grippe 1936–37. Hippokrates, Stuttgart., 1937, 8: 1025–9.

epidemic: History—1937–40.

Benešová, D., & Šikl, H. [Influenzal epidemic of 1939 from the view-point of pathological anatomy] Cas. lék. česk., 1939, 78: 777–9; 875.—**Brdlík, J.** [The grippe during the year 1939] Ibid., 880.—**Buchmüller, J.** [Two cases of influenzal psychosis in the 1939 epidemic] Gyógyászat, 1939, 79: 380–2.—**Development** (The) of the influenza wave in Germany. J. Am. M. Ass., 1937, 108: 1132.—**Dlouhý, R.** [Influenza epidemic in January and February of 1939] Cas. lék. česk., 1939, 78: 1212–4.—**Eiselt.** [Grippal epidemic during January and February in 1939; Clinic for the Aged, Prague] Ibid., 885.—**Engel, R.** Der Verlauf der Grippepneumonien im Winter 1939–40. Deut. med. Wschr., 1940, 66: 1441–3.—**Erdélyi, E.** Vestibularerkrankungen während der Grippeepidemie im Winter 1937–38 (wahrscheinlich ein Zeichen der abortiven Enzephalitis) Mschr. Ohrenh., 1938, 72: 1131–6. Also Acta otolar., Stockh., 1939, 27: 439.—**Francis, T., jr.** This year's epidemic wasn't real influenza; no such thing as intestinal flu, doctor declares; similar upsets occur in other infectious diseases. Science News Lett., 1939, 35: 221.—**Heiberg, P.** [Observations on a series of influenza outbreaks in Copenhagen] Bibl. laeger, 1940, 132: 213–6.—**Horsfall, F. L., jr. Hahn, R. G., & Rickard, E. R.** Four recent influenza epidemics; an experimental study. J. Clin. Invest., 1940, 19: 379–92.—**Hrdlicka, K.** [The grippe in 1939] Cas. lék. česk., 1939, 78: 876.—**Influenza** is epidemic but cases are not reported. Science News Lett., 1939, 35: 137.—**Kling, C. A.** La grippe en Suède. Bull. Off. internat. hyg. pub., Par., 1939, 31: 1903–5.—**Lukashevich, S. I.** [Certain questions in the epidemiology of the grippe; data from the epidemic in 1938] J. mikrob., Moskva, 1941, No. 3, 43–7.—**Meier, E.** Erhebungen über die Grippeepidemie im Winter 1938–39. Reichsgesundhbl., 1939, 14: 517–9.—**Mládek, F.** [Total cases of grippe in 1939] Cas. lék. česk., 1939, 78: 874.—**Mulder, J., Berg, R. van den, & Kollem, R. van** [The influenza epidemic of February–March 1939, in the garrison in Groningen; bacteriology] Ned. tschr. geneesk., 1940, 84: 214–24.—**Mulder, J., Zielstra, L. J., & Boer, J.** [The influenza epidemic of February–March, 1939 in the garrison of Groningen; epidemiology and clinical aspect] Ibid., 11–8.—**Prošek, A.** [The grippe during the winter of 1938–39; data from Prof. Hynek's clinic for internal diseases] Cas. lék. česk., 1939, 78: 883–5.—**Prusik, B.** [Epidemic of the grippe 1939] Ibid., 873.—**Risak, E.** Welche Besonderheiten bietet die diesjährige Grippeepidemie in diagnostischer und therapeutischer Beziehung? Aerzt. Prax., Wien, 1938, 12: 223.—**Schnetz, H.** Charakteristik der Grazer Grippepelle 1937. Med. Klin., Berl., 1937, 33: 1696; 1735.—**Sharp, B. B.** The next influenza prevalence in London. Lancet, Lond., 1938, 1: 518.—**Stuart-Harris, C. H., Smith, W., & Andrewes, C. H.** The influenza epidemic of January–March, 1939. Ibid., 1940, 1: 205–11.—**Sturm, D.** Auftreten von Psychosen bei der Grippeepidemie im Frühjahr 1939 in Prag; ein Beitrag zur Erscheinungsform der Grippepsychosen. Psychiat. neur. Wschr., 1939, 41: 131.—**Tichý** [Epidemic of influenza in Lysa in 1937 and beginning of 1938] Cas. lék. česk., 1938, 77: 473.

epidemic: History—1940–41.

Andrews, C. H., Glover, R. E. [et al.] Influenza in England in 1940–41. Lancet, Lond., 1941, 2: 387–9.—**Bryant, A.** Influenza in the Regina General Hospital. Canad. M. Ass. J., 1941, 45: 247–9.—**Course** (The) of the recent influenza epidemic. Statist. Bull. Metrop. Life Insur., 1941, 22: No. 4, 3–6.—**Doolittle, S. E.** Clinical observations during the 1940 epidemic of influenza in Honolulu. Proc. Clinic, Honolulu, 1941, 7: No. 3, 1–8.—**Dreguss, M.** [A study concerning the pathogenesis of the influenza epidemic in 1941] Népegészségügy, 1941, 22: 605; 655.—**Epidemiological bulletin;** influenza. Med. Off., Lond., 1941, 65: 64.—**Geiger, J. C.** Epidemic influenza; San Francisco, 1940. Week. Bull. California Dep. Pub. Health, 1941–42, 20: 17–9.—**Hartsilver, J.** The 1940 influenza epidemic. Clin. J., Lond., 1941, 70: 5–9.—**Heiberg, P.** [Influenza outbreaks during the winter of 1940–41] Ugeskr. laeger, 1941, 103: 1268.—**Hnat, F.** Epidemic influenza. J. M. Soc. N. Jersey, 1941, 38: 518–20.—**Influenza** (The) epidemic [Great Britain] J. Am. M. Ass., 1941, 116: 2209.—**Influenza** (The) outbreak. Ibid., 427.—**Influenza strikes**

again. Hygeia, Chic., 1941, 19: 87.—**McDaniel, G. E.** Recent influenza epidemic in South Carolina. J. S. Carolina M. Ass., 1941, 37: 70.—**Macnaughton, F. G., & Macqueen, A. M.** Influenza in 1940; impressions in general practice. Lancet, Lond., 1940, 1: 863.—**Pearson, H. E., Eppinger, E. C.** [et al.] A study of influenza in Boston during the winter of 1940–41. N. England J. M., 1941, 225: 763–70.—**Prospects** in the next influenza pandemic. Lancet, Lond., 1942, 2: 671.—**Rudd, G. V.** Influenza epidemic at Puckapunyal. Med. J. Australia, 1941, 1: 7–9.—**Sulkin, S. E., Bredeck, J. F., & Douglass, D. D.** Epidemic influenza; epidemiological, clinical, and laboratory aspects of the 1940–41 outbreak in St. Louis. Am. J. Pub. Health, 1942, 32: 374–80.—**Sulkin, S. E., Bredeck, J. F., & Willett, J. C.** A study of epidemic influenza; with special reference to the 1940–41 outbreak in St. Louis. J. Missouri M. Ass., 1941, 38: 71–5.—**Taylor, R. M., Parodi, A. S.** [et al.] Un estudio sobre la etiología de la influenza ocurrida en la Argentina durante 1941; comparación de la epidemiología de influenza A y B. Rev. Inst. bact. Malbrán, B. Air., 1942–43, 11: 44–57.—**Wylie, W. DeK.** Manifestations of the recent influenza epidemic in adults. North Carolina M. J., 1941, 2: 489.

epidemic: Statistics and geography.

GINSBURG, L. [LEIB] *Contribution à l'étude des épidémies de grippe depuis la guerre. 48p. 8°. Par., 1929.

RICHTER, H. *Die Grippe in der deutschen Statistik [Leipzig] 24p. 8°. [Zeulenroda, 1930]

SCHOEN, M. *Die Influenza-Epidemien im Kanton Basel-Stadt vom Januar 1920 bis Juli 1929 [Basel] 24p. 8°. St. Louis, 1930.

Buzzard, E. M. An outbreak of influenza in the tropics. Brit. J. Tuberc., 1942, 36: 80–92.—**Epidemiological notes;** influenza in week ending January 25. Brit. M. J., 1941, 1: 225.—**Frost, W. H.** Statistics of influenza morbidity, with special reference to certain factors in case incidence and case fatality. In his Papers, N. Y., 1941, 340–58.—**Influenza** prevalence in the United States. Pub. Health Rep., Wash., 1929, 44: 1; 45: 55.—**Influenza** in 1930–31. Rapp. épidém., Genève, 1931, 10: 295–312.—**Influenza** overseas in relation to Australia. Health Bull., Melb., 1933, 11: 21–5.—**Liebmann, E.** Influenza epidemics in Switzerland since 1918. J. State M., Lond., 1930, 38: 392–5.—**Marshall, H. K.** Influenza in Fiji. J. Am. M. Ass., 1927, 89: 2133.—**Post, R. von** [Influenza statistics] Sven. läk. tidn., 1931, 28: 65–71.—**Postell, W. M. D.** Available data on the occurrence of influenza in the State of Louisiana. Tristate M. J., 1940–41, 13: 2822.—**Prevalence** of influenza in the United States. Pub. Health Rep., Wash., 1937, 52: 125–6; 189.—**Rinne.** Statistisch-Epidemiologisches zur Grippe. Psychiat. neur. Wschr., 1933, 35: 132–4.—**Rousselot, J.** Remarques sur 2 épidémies de grippe. Arch. méd. Angers, 1928, 32: 97–102.—**Statistical study** of influenza outbreak. Week. Bull. California Dep. Pub. Health, 1941–42, 20: 105.—**Taidrak, P. V. B.** Epidemic of gastric influenza in Onua, Malekula Island, New Hebrides. Native M. Pract., Suva, 1934–37, 2: 369–72.—**Underwood, E. A.** The epidemiology of an influenza outbreak in Leeds. J. Hyg., Camb., 1934, 34: 407–28.

Epidemiology.

THIBAUT, P. Remarques sur la grippe d'après les observations recueillies de 1921 à 1929. 101p. 8°. Par., 1929.

Bergstrand, H. Investigation into the epidemiology of influenza. Acta med. scand., 1926, Suppl. 16, 618–42 [Discussion] 648–50.—**Coronini, C.** Zur Epidemiologie und pathologischen Anatomie der Grippe. Wien. med. Wschr., 1937, 87: 1043–5.—**Dobretzer, I. A.** [Program for the study of the epidemiology of influenza] Sovet. vrach. J., 1937, 41: 1815–9.—**Francis, T., jr.** Epidemiological studies in influenza. Am. J. Pub. Health, 1937, 27: 211–25.—**Epidemic influenza;** studies in clinical epidemiology. Ann. Int. M., 1939–40, 13: 915–22.—**The problem of epidemic influenza.** Tr. Coll. Physicians Philadelphia, 1940–41, 8: 218–27.—**Frost, W. H.** The epidemiology of influenza. In his Papers, N. Y., 1941, 321–39.—**Greenwood, M.** Influenza. In his Epidemics [etc.] Lond., 1935, 320–30.—**Hamer, W.** The influenzal constitution. Proc. R. Soc. M., Lond., 1926–27, 20: Sect. Epidem. State M., 59–78.—**Hetsch, H.** Das Influenza-Problem vom ätiologischen und epidemiologischen Standpunkt. Med. Klin., Berl., 1938, 34: 1682.—**Jusatz, H. J.** Die epidemiologische Erforschung der Grippe. Naturwissenschaften, 1936, 24: 505–7.—**Keegan, J. J.** Epidemiology of influenza. Nebraska M. J., 1929, 14: 238–41.—**Kindborg, E.** Zur Epidemiologie der Influenza. Med. Klin., Berl., 1926, 22: 1039.—**Lewis, J. H.** Influenza. In his Biol. Negro, Chic., 1942, 217–9.—**Smillie, W. G.** The epidemiology of influenza. N. England J. M., 1937, 216: 451–3.—**Stein, J.** Beobachtungen bei der Grippeepidemie. Verh. Deut. Ges. inn. Med., 1933, 45. Kongr., 385–90.—**Taylor, I.** Influenza. Med. Press & Circ., Lond., 1942, 207: 341–3.—**Taylor, R. M., Petrilla, A., & Dreguss, M.** Certain broad epidemiological aspects of influenza. J. Infect. Dis.,

1941, 68: 90-6.—**Top, F. H.** The epidemiology of influenza. Rep. Wayne Co. M. Soc., 1935-36, 6: 22-5.—**Wahlstedt, A.** [Experiences and research work on the epidemiology of influenza, based on practice and nursing] Hygiea, Stockh., 1935, 97: 647-67.

— Epidemiology: Age and sex incidence.

MACIEJEWSKI, K. [E. F.] *Die Menstruation ein prädisponierendes Moment für Grippeerkrankung. 19p. 8°. [Berl.] 1930.

Apert, A. L'influence du sexe dans la grippe. Bull. Soc. méd. hôp. Paris, 1929, 3. ser., 53: 625-7.—**Brelet.** A propos de la grippe chez les vieillards. Ibid., 1927, 3. ser., 51: 309.—**Collins, S. D., & Gover, M.** Age incidence of specific types of respiratory attacks during epidemic and non-epidemic periods. Am. J. Hyg., 1935, 21: 613-27.—**Renaud, M., & Juge, C.** La grippe chez les vieillards. Bull. Soc. méd. hôp. Paris, 1927, 3. ser., 265-7. Also Rev. internat. méd. chir., Par., 1927, 34.—**Sá Leitão, G. de.** A gripe nos velhos. Fol. med., Rio, 1937, 18: 255-61.—**Smith, R. E.** Influenza in adolescents. Clin. J., Lond., 1937, 66: 197-203.

— Epidemiology: Climatic, seasonal and social factors.

JÄSCHOCK, H. *Das epidemische Auftreten der Grippe im Winter 1932-33 und 1936-37 in einigen Bezirken Niederschlesiens und die Abhängigkeit des Verlaufes der Epidemien von meteorischen und geographischen Faktoren; eine geomedizinische Untersuchung [Berlin] p. 276-97. 23cm. Würzb., 1938.

Also Zschr. Hyg., 1938-39, 121:

Abramovich, L. A. [Grippe and meteorological factors] Vrach. delo, 1940, 22: 463-6.—**Bauer, J.** Grippe und Wetter; Untersuchungen über den Zusammenhang zwischen dem atmosphärischen Geschehen und den Grippeepidemien der letzten 5 Jahre in Deutschland. Zschr. klin. Med., 1938, 134: 778-816.—**Burden, N. J.** Seasonal influenza. Am. J. M. Sc., 1933, 186: 61-5.—**Chievsky, A. L.** Sur la connexion entre l'activité solaire, l'électricité atmosphérique et les épidémies de grippe. Gaz. hôp., 1936, 109: 1285.—**Eckardt, E., Flohn, H., & Jusatz, H. J.** Ausbreitung und Verlauf der Grippeepidemie 1933 in Abhängigkeit von meteorologischen und geographischen Faktoren; eine geomedizinische Untersuchung. Zschr. Hyg., 1936, 118: 64-91.—**Flohn, H.** Zur Geomedizin der Grippe (am Beispiel der Epidemie 1928-29) Ibid., 1938-39, 121: 588-603.—**Klima, J.** [Summer grippel] Cas. lek. česk., 1939, 78: 875.—**Koiransky, B. B.** [Influenza diseases in relation to meteorological factors and their prevention] Sovet. vrach. J., 1936, 1: 1239-33.—**Peyrer, K.** Grippestatistik und Wetter. Arch. Kinderh., 1937, 111: 8-23.—**Rähling.** Grippe, Tuberkulose und Wetter. Beitr. Klin. Tuberk., 1937, 89: 480-8.

— Epidemiology: Origin, spread, and transmission.

MYGGE, J. Etude sur l'écllosion épidémique de l'influenza. 145p. Kbh., 1930.

Andrews, C. H. Thoughts on the origin of influenza epidemics. Proc. R. Soc. M., Lond., 1942-43, 36: 1-10.—**Davoli, R., & Jucker, S.** Ricerche etiologiche su di una epidemia influenzale. Riforma med., 1939, 55: 1499-507.—**Dormidontov, A. A., Mieserova, E. K., & Petrova, E. N.** [Agents of epidemic outbreaks of grippal diseases in institutions for young children] Pediatria, Moskva, 1942, No. 3, 42-7.—**Dub, S. L.** [Influenza in closed institutions] Sovet. pediat., 1934, No. 10, 54-61.—**Dufrénoy, Mandillon [et al.]** Etudes épidémiologiques sur la grippe dans le cas d'une collectivité fermée. J. méd. Bordeaux, 1939, 116: pt 1, 521.—**Hurley, J. J.** An algebraic conception of influenza. Med. J. & Rec., 1929, 129: 455-7.—**Kairies, A., & Lange, E.** Erfahrungen und Befunde bei einer isolierten Grippe-Epidemie. Med. Welt, 1933, 7: 1680.—**Kramer, S. D.** A study of an influenza epidemic in 2 small isolated towns. J. Prev. M., 1929, 3: 433-56.—**Martin, A. E.** A serological investigation into the epidemiology of influenza with particular reference to sporadic cases. J. Hyg., Lond., 1940, 40: 104-14.—**Nassau, E.** Ueber die Grippe der Kinder in der Familie. Zschr. Kinderh., 1934-35, 57: 1-15.—**Ravich-Birger, E., & Repnikova, V.** [Bacteriological investigation of focus and origin of epidemic in an infants' asylum] Mosk. med. J., 1927, 7: No. 10, 76-8.—**Rickard, E. R., Lennette, E. H., & Horsfall, F. L.** A comprehensive study of influenza in a rural community. Pub. Health Rep., Wash., 1940, 55: 2146-67.—**Schuberth, K.** Ueber ein Hausinfektion mit einfacher Grippe. Wien. med. Wochr., 1926, 76: 1268-70.—**Shepard, C. E.** An epidemiological and clinical study of an influenza epidemic in a college community. Am. J. Pub. Health, 1934, 24: 861-9.—**Smillie, W. G.** An epidemic of influenza in an isolated community; Northwest River, Labrador. Am. J. Hyg., 1930, 11: 392-8.—**Suehiro, Y.** Ueber die Spitalinfektion und Hausepidemie der Grippe im Kindesalter. Acta paediat. jap., 1938, 44: 100 (Abstr.)—**Wilmarth, A. W.** Influenza in an institution for the feeble-minded. Proc. Am. Ass. Study Feeble-minded, 1919, 43. Session, 19-29.

— Epidemiology: Periodicity.

Fenyvessy, B., & Kun, L. [Bi-annual recurrence of influenza epidemics] Magyar. orv. arch., 1931, 32: 421-31.—**Franke, P.** Zweimaliges Auftreten einer Influenzaepidemie. Dcut. med. Wschr., 1935, 61: 2025-7.—**Greenwood, M.** The periodicity of influenza. J. Hyg., Camb., 1929-30, 29: 227-35.—**Jusatz, H. J.** Ueber das rhythmische Auftreten von Grippeepidemien und die Möglichkeit einer epidemiologischen Prognose. Zschr. Hyg., 1938-39, 121: 185-207.—**Periodicity in epidemics of influenza.** J. Am. M. Ass., 1939, 113: 954.—**Periodicity of influenza.** Ibid., 1416.—**Siestrop, J. G.** [Periodicity in occurrence of influenza] Ned. tschr. geneesk., 1931, 75: pt 1, 388-91.—**Spear, B. E.** The periodicity of influenza. Lancet, Lond., 1934, 2: 1331-3.—**Ulrich, O.** Doppelte Grippe. Med. Welt, 1933, 7: 411.—**Webster, J. H. D.** The periodicity of influenza. Edinburgh M. J., 1939, 46: 591-9.

— equine.

See also Horse, Disease.

DAVIAUD, M. E. *Une épizootie de grippe équine dans un régiment de cavalerie [Alfort] 70p. 8°. Par., 1929.

Beller, K., & Traub, E. Stand und Aussichten der Erforschung des ansteckenden Katarrhs der Luftwege beim Pferd. Zschr. Veterinärk., 1941, 53: 88-97.—**Bemelmans, E.** [The pathogenic agent of influenza in man and on true influenza (so-called chest disease) in the horse] Geneesk. gids, 1927, 5: 149; 173. Die vollständige Lösung der allgemein bestehenden, chaotischen Verwirrung der als Influenza bezeichneten Infektionskrankheiten der Pferde. Berl. tierärztl. Wschr., 1931, 47: 761-7.—**De Gasperi, F.** Contributo allo studio della febbre tifoide del cavallo; caso mortale di gastroenterite da pasteurellosi. Arch. sc. Soc. Accad. vet. ital., 1909, 7: 129-36.—**Edwards, J. T.** The etiology of the commoner equine respiratory diseases in relation to recent influenza research; a short historical review. Vet. Rec., Lond., 1935, 15: 1195-200.—**Equine influenza.** Vet. Med., Chic., 1942, 37: 537.—**Experimental influenza of the horse.** J. Am. Vet. M. Ass., 1942, 100: 390-3.—**Fairise.** Les formes congestives et hémorragiques de la pasteurellose du cheval. Progr. vét., Agen., 1907, n. ser., 28: 8.—**Foster, R. J., & Dean, W. H.** Equine influenza epidemic at the Cavalry School. Vet. Bull., Wash., 1926, 17: Suppl., 46-50.—**Influenza in 1940-41.** Vet. Rec., Lond., 1941, 53: 673.—**Jorgenson, G. E.** Equine influenza. North Am. Vet., 1926, 7: 17-20.—**Kanschev, S.** Klinische Beobachtungen über die Influenza der Pferde. Schweiz. Arch. Tierh., 1942, 84: 153.—**Kelser, P. A.** A discussion of the factors concerned in the etiology of equine influenza and contagious pneumonia. Vet. Bull., Wash., 1923, 11: 75-81. Also J. Am. Vet. M. Ass., 1923-24, 63: 162-9.—**King, H. C. P.** A few observations on the recent influenza epidemic among London horses. Vet. Rec., Lond., 1932, 12: 387.—**Knoll.** Mémoire sur l'influenza des chevaux; influenza equorum. J. méd. vét., Lyon, 1859, 15: 363; 506.—**Lereña, C. A.** Contribución recordativa de la grave epizootia de rino-laringo-traqueitis desarrollada en los equinos del país en el año 1930. Rev. zootechn., B. Air., 1935, 22: 59-70.—**Lignières.** Nouvelle contribution à l'étude de la pasteurellose équine; fièvre typhoïde, pneumonie, etc. Bull. Soc. centr. méd. vét., Par., 1898, 52: 849-60.—**Pasteurellose équine.** Ibid., 1900, 54: 524-9.—**Mathers, G.** The streptococcus in acute epidemic respiratory infection of horses; so-called equine influenza, stable fever, shipping fever, equine typhoid fever, contagious pleuropneumonia, etc. J. Infect. Dis., 1918, 22: 74-9.—**Miner, J. W.** Neosarsphenamine in the treatment of influenza in horses. Vet. Bull., Wash., 1934, 28: 271.—**Northcot, C. S.** An attempt at the prevention of equine influenza and the catarrhal group of equine diseases in general. Vet. J., Lond., 1927, 83: 508-10.—**Pardubsky, K.** [On the grippel of horses] Zver. obzor, 1939, 32: 317-20.—**Rainey.** The rational treatment of respiratory disease in the horse. Vet. J., Lond., 1924, 80: 362-6.—**Szidon, V.** [Pasteurellosis equidae] Allatorv. lap., 1939, 62: 97.—**Ulf, F.** [Grippel in foals] Zver. obzor, 1939, 32: 185-81.—**Wende, J. A.** Neosarsvarsan and influenza of the horse. North Am. Vet., 1934, 15: 36.—**White, D. S.** Influenza and shipping fever. Rep. Vet. Med. Iowa State Coll. Agr., 1917, 2: 309-16.

— equine: Catarrhal type.

Syn.: Catarrh; Catarrhal fever; Distemper, equine; Horse-plague; Influenza catarrhalis; Influenza erysipelatos; Katarrhalfieber; Lemma; Pasteurellasis; Pink eye; Pferdestaupe; Rotlaufseuche; Shipping fever; Stockyards fever; Typhoid fever.

BONHOMME, H. *Contribution à l'étude de la fièvre typhoïde du cheval [Alfort] 72p. 8°. Par., 1926.

COLLETTE, H. *Considérations sur les affections typhoïdes du cheval; étude d'une paratyphose équine [Alfort] 85p. 8°. Paris, 1934.

LOISET. De l'affection typhoïde de l'espèce chevaline et de ses rapports avec la fièvre typhoïde de l'homme. 47p. 8°. Tille, 1853.

MORETTI, G. P. Della febbre tifoide del cavallo. 100p. 8°. Pavia, 1899.

Arloing. Sur les inoculations de la fièvre typhoïde du cheval. Bull. Soc. centr. méd. vét., Par., 1882, 36: 236-43.—**Babes, V.** Fièvre typhoïde du cheval. Ann. Inst. path. bact. Bucarest (1888-89) 1889, 1: 251-1.—**Baruchello, L.** Le infezioni così dette tifoide del cavallo. Mod. zoiat. Tor., 1907, 3. ser., 1: 361-78.—**Basset, J.** Cause déterminante de la fièvre typhoïde du cheval (influenza; grippe, fièvre épidémique maligne; pasteurellose; pferdestaube; pink eye; typhoid fever) Rec. méd. vét., Par., 1911, 88: 546-52.—**Fièvre typhoïde du cheval et anémie infectieuse.** Rev. vét., Toulouse, 1920, 72: 682-5.—**Beller, K., & Renkert, O.** Vitamin C requirement of the horse in relation to infectious catarrh of the respiratory tract. Nutrit. Abstr., Aberdeen, 1941-42, 11: 236.—**Bemelmans, E.** Sur la classification des affections typhoïdes du cheval. Rec. méd. vét., 1928, 104: 582-96.—**Blanchard.** Sur la fièvre typhoïde, et la gomme du cheval. Bull. Soc. centr. méd. vét., Par., 1903, n. ser., 21: 490-4.—**Bonnard, P. A.** Contribution à l'étude des affections dites typhoïdes du cheval ou résumé des affections qui ont sévi sur les chevaux nouvellement incorporés d'un régiment d'artillerie en 1866-1867-1868. Mém. Soc. centr. méd. vét., Par., 1875, 8: 289-452.—**Bouley, H.** Communication sur l'épizootie de fièvre typhoïde qui sévit actuellement sur les chevaux de Paris et de ses environs. Bull. Soc. centr. méd. vét., Par., 1881, 35: 132-45.—**Clănescu.** Febră tifoïdă la cai complicată cu ruperea peretelui auricular stâng. Rev. san. mil. Bucur., 1898-99, 2: 606-19.—**Cambau.** Remarques relatives à une épidémie d'affections typhoïdes; heureux résultats obtenus par le traitement au novarsenobenzol (Novarbillon) Rev. vét. mil., Par., 1930, 14: 200-16.—**Cervinka, V.** [Infectious catarrh of the upper respiratory tract in horses] Voj. zdrav. listy, 1935, 11: 148-51.—**Cocu.** Les affections typhoïdes du cheval et leur traitement; cas cliniques. Bull. Acad. vét. France, 1933, 6: 247-55.—**Fièvre typhoïde du cheval.** Ibid., 362.—**Collette.** Considération sur les affections typhoïdes du cheval. Ibid., 1936, 9: 273.—**Farley, H.** An epizootic study of shipping fever in Kansas. J. Am. Vet. M. Ass., 1932, 80: 165-72.—**Fièvre typhoïde du cheval.** Echo vét., Liège, 1902, 31: 207-13.—**Gneuss, D.** Zur Frage des infektiösen Katarrhes der Luftwege. Zschr. Veterinärk., 1920, 32: 34-6.—**Jurina, J., & Reiner, S.** [Study of catarrhal influenza in horses; urotropin as therapeutic] Voj. zdrav. listy, 1934, 10: 190-6.—**Liautard.** Des maladies typhoïdes qui attaquent spécialement les chevaux de l'armée. J. méd. vét., Lyon, 1853, 9: 300; 436.—**Lignières, J.** Sur les affections typhoïdes du cheval. Bull. Soc. centr. méd. vét., Par., 1907, 61: 149-57.—**Loiset.** Comparaison anatomopathologique de la fièvre typhoïde de l'homme et de l'affection typhoïde du cheval. J. méd. vét., Lyon, 1854, 10: 170-80.—**Luhrs.** Ein Beitrag zur Rotlaufseuche der Pferde. Zschr. Veterinärk., 1926, 38: 65-75.—**Mitscherlich.** Infectious respiratory catarrh of the horse. Vet. Bull., Lond., 1941, 11: 762.—**Nieder.** Rapport, Prix Emile Thierry: Contribution à l'étude des fièvres typhoïdes du cheval. Bull. Soc. centr. méd. vét., Par., 1926, 79: 257-60.—**Noonan, J. E.** Influenza catarrhalis. Vet. Bull., Wash., 1931, 25: 260-2.—**Palat.** Des affections typhoïdes dans l'espèce chevaline. Mém. Soc. centr. méd. vét., Par., 1870, 7: 247-361.—**Prévost.** Des lésions articulaires dans la fièvre typhoïde du cheval. Bull. Soc. vét. Lyon, 1898, 37-53.—**Rexroth.** Beitrag zum klinischen und pathologisch-anatomischen Bild des ansteckenden Katarrhs der Luftwege. Schweiz. Arch. Tierh., 1942, 84: 154.—**Salle.** Mémoire sur une enzootie typhoïde; observée en 1859 et 1865. Mém. Soc. centr. méd. vét., Par., 1870, 7: 2-167.—**Monographie des affections typhoïdes du cheval précédée de recherches sur les altérations du sang.** Ibid., 1875, 8: 3-129.—**Nouvelles recherches sur la nature des altérations du sang dans les affections typhoïdes du cheval.** Ibid., 1879, 33: 198-216.—**Scott, J. P., & Farley, H.** Preliminary bacteriological report on shipping fever. J. Am. Vet. M. Ass., 1932, 80: 173-86.—**Shipley, L. N.** Typhoid fever in a horse. J. Comp. Med. Vet. Arch., Phila., 1902, 23: 210.—**Steffan.** Zur Therapie des ansteckenden Katarrhs der Luftwege des Pferdes. Schweiz. Arch. Tierh., 1942, 84: 153.—**Treatment of infectious respiratory catarrh of horses.** Vet. Bull., Lond., 1942, 12: 123.—**Das klinische Bild des ansteckenden Katarrhs der Luftwege des Pferdes.** Zschr. Veterinärk., 1941, 53: 71-88.—**Stoicescu, G.** [Typhotoxemia infectiosa of the horse of Bessarabia] Rev. vet. mil. Bucur., 1939, 10: 7-14.—**Traub, E.** Infectious respiratory catarrh in the horses of a veterinary company. Vet. Bull., Lond., 1942, 12: 374 (Abstr.)—**Urbain, A., & Chaillot, L.** Etude bactériologique des affections typhoïde du cheval. Ann. Inst. Pasteur, Par., 1928, 42: 870-6. Also C. rend. Soc. biol., 1928, 98: 1307.—**Villemin.** Observations sur la fièvre typhoïde du cheval. J. méd. vét., Lyon, 1903, 5. ser., 7: 530-7.—**Wagner.** Kriegsbeobachtungen über das Auftreten des ansteckenden Katarrhs der Luftwege beim Pferde. Schweiz. Arch. Tierh., 1942, 84: 154.

Argun, T. Beiträge zur infektiösen Bronchitis der Pferde und zur Behandlung mit Aetherinjektionen. Wien. tierärztl. Mschr., 1933, 22: 458-62.—**Bronchite contagieuse du cheval.** Bull. Acad. vét. France, 1937, 10: 166-8.—**Beaudette, F. R., & Hudson, C. B.** Cultivation of the virus of infectious bronchitis. J. Am. Vet. M. Ass., 1937, 90: 51-60.—**Equine infectious bronchitis.** Vet. Med., Chic., 1942, 37: 543.—**Köbe, K.** Seuchenhafter Husten (infektiöse Bronchitis) des Pferdes. In Handb. Virusk. (E. Gildemeister, et al.) Jena, Bd 2, 93-100.—**Koepplin, F.** Gleichzeitiges Auftreten von Skalma bei Pferden und von drüsenfieberähnlichen Erkrankungen beim Menschen. Schweiz. med. Wschr., 1935, 65: 787-90.—**Kral, F., & Hynek.** [Causal therapy in infectious bronchitis] Zver. obzor, 1939, 32: 229-33.—**Oprescu, A. C.** Equine infectious bronchitis. Vet. Bull., Lond., 1942, 12: 149 (Abstr.)—**Osman Türköz.** [Epizootic infectious bronchitis among the army horses in Istanbul in 1936] Askeri tıbbi baytari mecmuasi, 1937, 14: 195-9.—**Waldmann, O., & Köbe, K.** Der seuchenhafte Husten (infektiöse Bronchitis) des Pferdes. Zbl. Bakt., 1. Abt., 1934-35, 133: 49-59.

— equine: Pectoral type.

Syn.: Brustseuche; Pleuropneumonia, equine; Pneumonia, infectious.

Amelin & Narski. Sluchai licheniya salvarsanom (606) plevro-pnevmonii contagiosa loshadel. Arch. vet. nauk, 1912, 42: 1269.—**Bemelmans, E.** Contribution à l'identité symptomatologique de la grippe humaine et de l'affection dénommée pleuro-pneumonie contagieuse du cheval. Bull. Soc. centr. méd. vét., Par., 1920, 73: 224-7.—**Sur la nature réelle et la cause première de la soi-disant pleuropneumonie contagieuse du cheval.** Ibid., 1925, 78: 240-5.—**Benkevich, V. I.** [Opti privivok kulturoy pleuropnevmoniy u Orenburgskoi konyushnie Gosud. Konnozavodstva. Vest. obsht. vet., 1909, 21: 274.—**Equine contagious pleuropneumonia.** Vet. Med., Chic., 1942, 37: 539-41.—**Gourvitch, B.** De l'emploi de l'antivirus Besredka dans le traitement de la pleuropneumonie contagieuse du cheval. C. rend. Soc. biol., 1928, 99: 368.—**Isherwood, R.** Outbreak of contagious pleuropneumonia in equines. Vet. J., Lond., 1931, 87: 270-2.—**Kiesel.** Die Brustseuche im Krieg. Arch. wiss. prakt. Tierh., 1916, 42: 124-41.—**Kolay, C., Raif, M.** [et al.] Etude sur la pleuropneumonie infectieuse des chevaux d'Anatolie. Bull. Acad. vét. France, 1935, 8: 227-30. Also Rec. méd. vét., 1935, 111: 593-608.—**Konev, D. F.** O predokhranitel'nikh privivkakh kontagioznoi plevro-pnevmonii loshadel. Vest. obsht. vet., 1913, 25: 186-9.—**Lameris, F.** Neosalvarsantherapie bij pleuropneumonia contagiosa equorum (influenza pectoralis) Tsch. diergeneesk., 1917, 44: 125-35.—**Mglej, S.** Der Blutdruck bei der Brustseuche des Pferdes. Arch. wiss. prakt. Tierh., 1930, 61: 501-10.—**Næss, R. B.** [Arsenobillon (novarsenobillon) as a substitute for salvarsan; the use of arsenobillon and novarsenobillon in pleuropneumonia of horses] Tskr. norske lægeforen., 1919, 39: 621-4.—**Panov.** [Preventive inoculations of contagious pleuropneumonia of horses by Konev's method] Vest. obshtsh. vet., 1913, 25: 917-9.—**Pfeiler, W.** Weitere Komplementbindungsversuche mit dem Diplococcus pleuropneumoniae Schütz und der Pasteurella equina Lignières, nebst Bemerkungen über das Vorkommen der Pasteurella bei Brustseuche. Zschr. Infektkr. Haustiere, 1909, 6: 117-36.—**Prieue, W.** Die Behandlung der Brustseuche der Pferde mit intravenösen Gaben von Chinosol. Deut. tierärztl. Wschr., 1928, 36: 179-82.—**Rips.** Nachkrankheiten der Brustseuche trotz Salvarsanbehandlung. Zschr. Veterinärk., 1913, 25: 368-71.—**Sforza, M., & Gentile, A.** Tentativi di trasmissione e risultati di stomosinoterapia nella pleuropolmonite influenzale degli equini. Boll. Soc. ital. biol. sper., 1936, 11: 1003-5. Also Clin. vet., Milano, 1937, 60: 9-18, 2 graph.—**Squadri, G.** Intorno ad un' epizootia di pleuropolmonite del cavallo. Boll. Soc. med. chir. Modena, 1906-7, 10: 19-37.—**Truche & Brocq-Rousseau.** Rapport sur un travail de M. le major Bemelmans [La vaccinopyothérapie dans l'affection nasopharyngienne dont dérive la soi-disant pleuropneumonie contagieuse (grippe) du cheval] Bull. Soc. centr. méd. vét., Par., 1924, 77: 455-7.—**Vilents, G.** [Treatment of contagious pleuro-pneumonia of horses with atoxyl] Vet. zhizn, 1916, 10: 49.—**Zschocke.** Die Brustseuche der Pferde als Krankheit und als Seuche. Zschr. Veterinärk., 1929, 41: 181; 221; 255; 282.

— Etiology.

PLACZEK, B. Animalische Erreger der Spanischen Grippe (eine neue Erklärungsmethode) 18p. 8°. Wien, 1919.

Azzi, A. Ricerche sull'etiologia dell'influenza. Schweiz. med. Wschr., 1938, 68: 216.—**Béclère, A.** Influenza: revue générale; du simple rhume à l'influenza épidémique. Presse méd., 1937, 45: 817-20.—**Bisceglie, V.** Le moderne ricerche sull'etiologia dell'influenza. Gior. med. prat., 1938, 20: 3-12.—**Carbone, L.** The etiology of influenza. Rep. Wayne Co. M. Soc., 1935-36, 6: 25-7.—**Castro Teixeira, J. de.** Resfriado e gripe. Acta med., Rio, 1941, 8: 225.—**Catalanotti, V.** Il problema etiologico dell'influenza. Rass. internaz. clin. ter., 1937, 18: 1009-16.—**Causes (The) of influenza.** Brit. M. J., 1940, 1: 694.—**Cecil, R. L.** Influenza and the common cold. Bull. Chicago M. Soc., 1934, 37: 276.—**Common (The) cold and influenza.** Lancet, Lond., 1936, 1: 1479.—**D'Alessandro,**

Syn.: Epizootic laryngotracheitis; Hoppegartener cough; Seuchenhafter Husten; Skalma. See also **Bronchitis**—in animals.

- G. Moderne acquisizioni sull'etiologia dell'influenza. *Rinasc.* med., 1938, 15: 558.—**Dessy, G.** Lo stato attuale delle nostre cognizioni sull'etiologia dell'influenza (rivista sintetica). *Boll. Ist. sieroter. milan.*, 1927, 6: 231-51.—**Dochez, A. R., Mills, K. C., & Kneeland, Y., jr.** Studies of the etiology of influenza. *Proc. Soc. Exp. Biol.*, N. Y., 1933, 30: 1017-22; 1934, 32: 406-8.—**Dujarric de la Rivière, R., & Chevè, J.** Notions nouvelles sur l'étiologie de la grippe. *Paris méd.*, 1939, 111: 478-81.—**Eikeles, G.** Nuevos resultados respecto a la etiología de la gripe. *Prensa méd. argent.*, 1935, 22: 857-62.—**Fairbrother, R. W., & Hoyle, L.** Observations on the aetiology of influenza. *J. Path. Bact.*, Lond., 1937, 44: 213-23.—**Falk, I. S., Harrison, R. W.** [et al.] Experiments on the etiology of influenza; preliminary report. *J. Am. M. Ass.*, 1929, 93: 2030.—**Farreras, P.** Sobre las causas comunes de la gripe. *Rev. españ. med. cir.*, 1927, 10: 262-5.—**Actualidades acerca de la etiología de la gripe.** *Ibid.*, 1929, 12: 207-12.—**Fenyvessy, B., & Kopp, H.** Beiträge zur Ätiologie der Influenza. *Zbl. Bakt.*, 1. Abt., 1926, 98: 477-84.—**Francis, T., jr.** Recent advances in our knowledge of the etiology of influenza. *In Pract. Libr. M. & S.* (Appleton) N. Y., 1938, Suppl., 111-3.—**The significance of nasal factors in epidemic influenza.** *Bicent. Conf. Univ. Pennsylvania, Probl. Virus Res.*, 1941, 41-54.—**Gieszykiewicz, M.** [Etiology of influenza] *Polska gaz. lek.*, 1932, 11: 137; 173.—**Gosio, B.** A proposito dei dispareri sull'etiologia dell'influenza. *In Festschr. B. Nocht, Hamb.*, 1937, 163-6.—**Greenway, D. J. (h.)** Enfermedades a virus filtrables; estado actual de nuestros conocimientos sobre la etiología de la influenza epidémica. *Prensa méd. argent.*, 1937, 24: 1661-8.—**Haagen, E., & Maurer, G.** Epidemische Influenza des Menschen. *In Handb. Virusk.* (E. Gildemeister, et al.) Jena, 1939, 2: 25-61.—**Hill, L.** Influenza and the common cold. *Brit. J. Phys. M.*, 1934-35, 9: 136.—**Huebschmann, P.** Die Ätiologie der Influenza. *Erg. Hyg. Bakt.*, 1922, 5: 19-70.—**Isabolin, M., & Judenich, W.** Zur Ätiologie der Grippe. *Zbl. Bakt.*, 1. Abt., 1926, 99: 516.—**Isabolin, M.** Zur Ätiologie der Grippe. *Ibid.*, 1934, 131: 70-2.—**Isabolin, M., & Stratanovich, N.** Zur Ätiologie der Grippe. *Ibid.*, 1934-35, 133: 175-8.—**Ivashentsov, G. A.** [Etiology and epidemiology of influenza] *Vrach. gaz.*, 1931, 35: 568-75.—**Jürgens.** Etiologie et prophylaxie de la grippe. *Kongr. med. farm. wojsk.*, 1927, 4. Kongr., 115: 151.—**Karwacki, L.** Etiology and prophylaxis of influenza. *Rep. Internat. Congr. Mil. Med. & Pharm.*, 1927, 4. Congr., 72-124.—**Julianelle, L. A.** The etiology of influenza. *Week. Bull. S. Louis M. Soc.*, 1940-41, 35: 283.—**Kairies, A.** Studien zur Grippeätiologie unter dem Gesichtspunkt der Provokation. *Münch. med. Wschr.*, 1941, 88: 606-9 (microfilm).—**Kiskalt, K.** Zur Grippeätiologie. *Deut. med. Wschr.*, 1929, 55: 648.—**Lage, G.** Los nuevos conceptos etiológicos de la influenza epidémica. *Rev. med. cir. Habana*, 1941, 46: 447-62.—**Laidlaw, P. P.** Epidemic influenza: a virus disease. *Lancet*, Lond., 1935, 1: 1118-24.—**Lenette, E. H., Rickard, E. R.** [et al.] The diverse etiology of epidemic influenza. *Pub. Health Rep.*, Wash., 1941, 56: 1777-88.—**Liston, W. G.** The etiology of influenza. *Tr. R. Med. Chir. Soc. Glasgow*, 1930, 24: 60-72.—**Also Glasgow M. J., 1930, 13: 64-77.—**McCoy, G. W.** Symposium on influenza: etiology of influenza. *N. Orleans M. & S. J.*, 1941, 42: 94: 212-6.—**McDonagh, J. E. R.** The cause of the common cold and influenza. *Med. Off.*, Lond., 1936, 55: 65-9.—**Meyer, K.** Das Problem der Grippeätiologie im Lichte neuerer Forschungen. *Klin. Wschr.*, 1933, 12: 289-92.—**Monteiro Filho, A.** Observações sobre a etiologia da influenza. *Rev. méd. mil.*, Rio, 1941, 1: 408-11.—**Neisser, M.** Der heutige Stand der Grippeätiologie. *Deut. med. Wschr.*, 1929, 55: 344.—**Owczarek, L.** [On the causes of influenza] *Lek. wojsk.*, 1927, 9: 571-93.—**Pagani, Cesa, A.** Ricerche cliniche ed etiologiche sull'influenza. *Clin. pediat.*, Mod., 1926, 8: 257-266.—**Paladino, F.** El problema etiológico de la gripe, factores astral, meteorológico, y microbiano. *Bol. Soc. méd. quir. centr.*, Montev., 1938, 5: No. 24-25, 35-40.—**Pavlovich, D. A.** [Etiology of the grippie; experimental tests] *Glasnik. Beogr.*, 1928, 5: 1-22.—**Also Zbl. Bakt., 1. Abt., 1929, 112: 429-33.—**Pechnikova, V. N.** [Contemporary conception on the etiology of the grippie] *Kazan. med. J.*, 1940, 36: No. 2, 84-8.—**Pfeiffer, R.** Die Ätiologie der Influenza. *Zbl. Bakt.*, 1. Abt., 1931, 121: 241-57.—**Salk, J.** Etiology of influenza-like diseases initiated by a recent institutional outbreak. *J. Mount Sinai Hosp.*, N. York, 1942-43, 9: 923 (Abstr.).—**Schmidt, P.** Sul raffreddore e influenza. *Athena, Roma*, 1937, 6: 343-5.—**Also Kairies, A.** Zur Ätiologie der epidemischen Influenza. *Münch. med. Wschr.*, 1938, 85: 86-8.—**Selter, H.** Zur Ätiologie der Grippe. *Ibid.*, 1933, 80: 519.—**Simić, T. V.** [Various views on the causes of the grippie] *Cas. lek. česk.*, 1928, 67: 769-71.—**Smordintsev, A. A., Drobyshvskaja, A. I.** [et al.] [Experimental data on the etiology of epidemic influenza] *Soviet. vrach. J.*, 1937, 2: 403-19.—**Szymanowski, Z.** [Recent investigations on the etiology of influenza] *Warsz. czas. lek.*, 1937, 14: 201-4.—**Tang, F. F.** Recent studies on the etiology of epidemic influenza. *Chin. M. J.*, 1937, 52: 41-52.—**Thomson, D.** The aetiology of influenza. *Med. Press & Circ.*, Dubl., 1937, 194: 170-3.—**Also Thomson, R.** Investigations on the aetiology of influenza. *Lancet*, Lond., 1927, 1: 1125.—**Tomesik, J.** [Die Rolle der filterbaren Vira in der Ätiologie der Influenza] *Orsz. Közegész. Int. közl.*, 1937, 10: No. 34, 1-13.—**Also Orv. hetil., 1937, 81: 169-72.—**Turner, R. H.** The common cold and influenza as virus diseases. *N. Orleans M. & S. J.*, 1938-39, 91: 551-5.—**Venzmer, G.** Was die neuzzeitliche Forschung über die Entstehung der Grippe sagt. *In his Kampf d. Bazill.*, München, 1936, 111-7.—**Waldmann, O., & Köbe, K.** Kritische Bemerkungen zu den Versuchen über die Ätiologie der Grippe bei Mensch und Tier. *Zbl. Bakt.*, 1. Abt., 1936-37, 138: 153-8.—**Winter, D.** Grippe und Erkältung. *Med. Welt*, 1931, 5: 1714-6.******
- **experimental.**
- See also **Influenza virus, Pathogenicity.**
- Callavan, M.** Encephalitis and meningitis in the chick embryo following inoculation of the chorio-allantoic membrane with H. influenzae. *Am. J. Path.*, 1937, 13: 911-25, 3 pl.—**Kun, L.** The course of influenza infection in animal experiments. *Magy. orv. arch.*, 1935, 36: 390-4.—**Laidlaw, P. P.** Experimental influenza. *Guy's Hosp. Gaz.*, Lond., 1931, 48: 459; 471.—**Macdonald, H., & Macdonald, E. J.** Experimental influenza. *Illinois M. J.*, 1937, 71: 350.
- **Eye.**
- Corrado, M.** Paralisi dell'accomodazione ed influenza. *Polielinico*, 1934, 41: sez. prat., 1083-105.—**De Schweinitz, G. E.** Ocular complications during influenza epidemic. *In Med. Dep. U. S. Army in the World War*, Wash., 1924, 11: pt 2, 577.—**Faktorovich, E. M.** [Diseases of the eyes during influenza] *Klin. J. Saratov*, 1928, 5: 35-7.—**González, J. de J.** Algunas complicaciones oculares de la influenza. *An. oft.*, Méx., 1898-99, 1: 278-84.—**Janchevsky, N. I.** [Eye diseases in grippie] *Sovet. vest. oft.*, 1932, 1: 487-90.—**Păcurariu, I.** [Stellate neuro-retinitis of influenzal origin] *Cuj. med.*, 1937, 18: 516-21.—**Reiser, K. A.** Ueber grippöse Hämorrhagien am Augenhintergrund. *Zschr. Augenh.*, 1937, 92: 207-14.—**Schaly, S. A.** [Case of unilateral neuroretinitis with star-shaped spot in macula after influenza] *Ned. tsschr. geneesk.*, 1926, 70: pt 2, 1853-5, pl.—**Sédan, J.** Papillites aigues post-grippales chez les syphilitiques méconnus. *Rev. otoneur.*, Par., 1932, 10: 341.—**Sur deux cas d'iridocyclite suppurée d'origine grippale.** *Ann. ocul.*, Par., 1935, 172: 375-9.
- **Genitals.**
- Andrien, G., & Guichené, P.** Les orché-épididymites grippales. *Bull. méd.*, Par., 1935, 49: 483-6.—**Also Parnet, J.** Orché-épididymite streptococcique au cours d'une streptococcie grippale. *Bull. Soc. méd. hôp. Paris*, 1934, 3. ser., 50: 1406-9.—**Engelhardt, W.** Die Erkrankungen der Haut und der Genitalorgane bei Grippe. *Deut. med. Wschr.*, 1933, 59: 412-4.—**Also Gazz. osp., 1933, 54: 547-51.—**Frehe, K.** Orchitis als Grippekomplikation. *Med. Klin.*, Berl., 1932, 28: 1135.—**Natucci, G.** Orchite e annessite nell'influenza. *Diagnosi*, 1936, 13: 61-70.—**Perondi, G.** Pelvi-peritonite acuta di origine annessiale di natura grippale. *Atti Soc. ital. ostet.*, 1920, 20: 348-51.—**Ramiš, V.** [Postinfluenzal epididymitis and orchitis] *Ceska derm.*, 1929, 10: 240-5.—**Shamina, M. S.** [Vulvovaginitis of influenzal origin in children] *Vener. derm.*, Moskva, 1931, 8: 64-6.—**Trapl, J.** [Influenza and genital affections in women] *Cas. lek. česk.*, 1935, 74: 977-81.—**Tsutsulkovskaia, K. N.** [Effect of grippal infection on diseases of the sexual organs in women] *Akush. gin.*, 1940, No. 10, 65-8.**
- **Health education.**
- See also subheading **Prevention.**
- GREAT BRITAIN. MINISTRY OF HEALTH.** Memorandum on influenza (rev. ed.) 11p. 8° Lond., 1939.
- WRETLIND, E. W.** *Influenzan.* 22p. 8° Stockh., 1892.
- Almaek, J. C.** On guard against influenza. *Health, Mount. View*, 1940, 7: No. 10, 14.—**Alsaker, R.** Outwitting the flu. *Health Bull.*, N. Y., 1942, 48: 10-2.—**Bauer, W. W.** Influenza, the modern epidemic. *Health, Mount. View*, 1942, 9: 16.—**Büsing, K. H.** Grippe! Umschau, 1940, 44: 55-7.—**Bush, L. M.** What to do if influenza returns. *Health Cult.*, N. Y., 1941, 47: No. 2, 14-6.—**Dujarric de la Rivière.** Instructions prophylactiques contre la grippe épidémique. *Avenir méd.*, Lyon, 1940, 37: 159.—**[Great Britain]** Memorandum du Ministry of Health sur l'influenza, édition révisée de 1939; extraits. *Bull. Off. internat. hyg. pub.*, Par., 1940, 32: 417.—**If winter comes, can flu be far behind?** *Illinois Health Mess.*, 1941, 13: 118.—**Kneeland, Y., jr.** Common colds and influenza. *Med. Today*, 1938, 1: 46.—**Knowlton, M.** Influenza. *Connecticut Health Bull.*, 1941, 55: 74-6.—**Miller, L. M.** Fate joins the flu fighters. *Hygeia, Chic.*, 1941, 19: 192-4.—**Wesentlichste (Das) über Grippe.** *Mitt. Biochem.*, 1941, 48: 17.—**What we know about influenza.** *Hygeia, Chic.*, 1941, 19: 140.—**What you should know about influenza.** *Pub. Health Rep.*, Wash., 1940, 55: 2355-7.
- **Heart and cardiovascular system.**
- GERARD, H. L. G.** *Contribution à l'étude de la grippe cardiaque. 118p. 8° Par., 1931.
- HERRMANN, H.** *Kreislaufstörungen als Grippefolge. 17p. 21cm. Schwäbisch Gmünd, 1938.
- KNOLL, I.** *Ueber ein Aneurysma mycoticum nach Grippe (Beitrag zur Chirurgie der Grippe) 34p. 8° [Bonn] 1926.

SCHÄFFER, R. *Häufigkeit und Bewertung der Veränderung der Vorhofsacke im Ekg bei der Grippe [Heidelberg] 16p. 8°. Bottrop, 1936.

AGALAROV, M. A. [Fluctuations in venous pressure in influenza] Klin. med., Moskva, 1939, 17: No. 5, 77-9.—ANDREWS, C. L. Grippal infections; postfebrile cardiovascular disturbances, usually unrecognized: report of cases. J. Am. M. Ass., 1931, 97: 1791-4. — Influenza and its sequelae in the cardiovascular system. J. M. Soc. N. Jersey, 1940, 37: 16-20.—BROOKS, H. The heart in influenza. Northwest M., 1933, 32: 456-63.—CHAPMAN, P. D. H. Blood pressure in influenza. Lancet, Lond., 1927, 1: 312.—DENIS, J. La myocardite grippale existe-t-elle? Presse méd., 1937, 45: 652.—DRESSLER, W., & KISS, A. Elektrokardiographische Beobachtungen über den Ablauf einer akuten Myokarditis nach Grippe. Klin. Wschr., 1929, 8: 1664-6.—EGEDY, E. [Heart disorders of influenza] Orv. hetil., 1933, 77: 724-8. Also Zschr. klin. Med., 1933, 125: 547-53.—EROFEEV, P. P. [Grippal myocarditis] In Sborn. Abrikosova (P. D. Solovov) Moskva, 1936, 123-6, 2 pl.—GOTTHEIL, C. Kreislaufbeobachtungen bei der Grippeepidemie. Deut. med. Wschr., 1929, 55: 648.—HAMBURGER, W. W. The heart in influenza. Med. Clin. N. America, 1938, 22: 111-21. Also Digest Treat., Phila., 1938-39, 2: 63.—HUBERT, G. Ueber Grippeschäden am Kreislaufapparat. Münch. med. Wschr., 1928, 75: 1202-4.—HYMAN, A. S. Postinfluenzal heartblock. Med. J. & Rec., 1926, 121: 698-703. — Postinfluenzal disturbances of the heart. N. York State J. M., 1926, 26: 1022-4. — Postinfluenzal bradycardia. Arch. Int. M., 1927, 40: 120-7.—JAKOBSON, L. Ueber einen Fall von Thrombose der Vena axillaris nach Influenza. Münch. med. Wschr., 1931, 78: 1017.—KEELE, K. D., & TUBBS, O. S. Combined ligation of ductus arteriosus and sulphapyridine therapy in a case of influenzal endarteritis. S. Barth. Hosp. J. War Bull., Lond., 1939-40, 1: 175-7.—KISS, P. Ueber die Herzerstörungen im Verlaufe der Säuglingsgrippe. Mschr. Kinderh., 1930, 56: 83-98. — [Acute cardiac disorders during grippa in infants] Orvostud. közl., 1940, 1: 227-33.—KLEPETAR, Quelques particularités cliniques et électro-cardiographiques observées au cours d'une épidémie de grippa. Bull. Soc. méd. mil. fr., 1938, 32: 69-72.—KLINKE, K. Postgrippale Myokardkrankung. Mschr. Kinderh., 1926, 34: 139-44.—KOFMAN, S. I. [Observations on venous pressure in influenza, and influenzal pneumonia] Ter. arkh., 1937, 15: 26-37.—KORNBLIT, I. O. [Influenzal heart] Vrach. delo, 1935, 18: 421-4.—KRAMÁR, J. Osservazioni sulla miocardite a focolai di origine grippale. Riv. clin. pediat., 1937, 35: 936-41. Also Orv. hetil., 1938, 82: 599.—LEBEDEV, D. Postgrippale Herzdilatation im Kindesalter. Mschr. Kinderh., 1926, 32: 237.—LITZNER, S., & HARTLEB, O. Ueber Reizleitungsstörungen (Wenckebach'sche Perioden) bei der Grippe. Zschr. Kreislaufforsch., 1935, 27: 373-8.—MARCHAL, G. Les complications cardiaques de la grippa. Progr. méd., Par., 1931, 757-66.—MARES, L. M. Stokes-Adams syndrome following influenza. Northwest M., 1936, 35: 252-5.—MARUT, M. [Effect of sporadic influenza on the cardiovascular system] Sovet. klin., 1934, 20: 638-40.—MAY, E., MOZZICONACCI, P., & WETZLAR, M. Grippe à forme vasculopélique, pulmonaire et rénale avec azotémie aiguë. Bull. Soc. méd. hôp. Paris, 1940, 56: 498-505.—MENASCI, R. Broncopulmonite da influenza e tromboarterite dell'aorta addominale. Riforma med., 1927, 43: 149-51.—NISSE, B. S. The treatment of post-influenzal myocardial affections. Internat. J. M. & S., 1930, 43: 96-101.—PARSONNET, A. E. Postinfluenzal sinus-nodal block; a rare disturbance of the heart following an infectious disease. J. Lab. Clin. M., 1930-31, 16: 136-40.—PERLSTEIN, S. Complete heart block following influenza. Med. Clin. N. America, 1934, 17: 1623-32.—PICTON, L. J. Influenza and the heart; administration of raw adrenal gland. Brit. M. J., 1920, 1: 641.—POPESCU, I. G. Cardiac complications of influenza. J. Am. M. Ass., 1941, 117: 1639.—QUINCKE, H. Veränderungen im Ekg bei Grippe. Verh. Deut. Ges. inn. Med., 1933, 45. Kongr., 390-3.—ROULET, F. Ueber Myokarditis bei Grippe. Virchow's Arch., 1935, 295: 438-48.—SCHUURMANS STEKHOFEN, W. [Grave myocarditis from influenza in a workman suspected of malingering] Genesk. gids, 1932, 10: 457-64.—TAUB, S. J. Heart block following grippa infection. Illinois M. J., 1926, 49: 497.—TAYLOR, R. E. Influenzal pericarditis. J. Am. M. Ass., 1927, 89: 347.—THOMSON, T. R., & PLUMSTEAD, C. G. E. Femoral thrombosis following influenza. Lancet, Lond., 1927, 1: 568.—VASILIEV, P. N. [Cardiovascular complications during influenza] Vrach. delo, 1937, 19: 197-202.

Hematopoietic system.

GÖDEL, J. *Ueber das weisse Blutbild und die Blutkörperchensenkungsreaktion bei der Grippe (Untersuchungen während der beiden Grippeperioden von 1935 und 1936 in Fürth-Bayern an Fällen, welche im städtischen Krankenhaus zur Beobachtung kamen) 29p. 8°. Erlangen-Bruck, 1937.

GROSS, M., & ZIEGLER, W. Die Haematologie der banalen, grippalen Infekte bei Säuglingen und Kleinkindern. 38p. 8°. Berl., 1935.

KRAUSE, H. *Ueber die Veränderungen des leukozytären Blutbildes bei den Berliner Grippeepidemien 1934-35 und 1936-37 [Berlin] 21p. 22cm. Quakenbrück, 1938.

KRESSE, C. *Nephelometrische Untersuchungen im Serum von Grippekranken unter Berücksichtigung des weissen Blutbildes, des Guttadiaphots und der Blutkörperchensenkungszeit. 15p. 8°. Lpz., 1935.

STILIANOWA, J. *Die Blutkörperchensenkungsgeschwindigkeit bei Grippe. 20p. 8°. Halle a. S., 1933.

ZÖLCH, A. *Hämatologische Ergebnisse bei der Säuglingsgrippe. 12p. 8°. Würzb., 1934.

ARNDT, G. Zur Klinik, insbesondere zur Hämatologie der diesjährigen Grippe. Med. Klin., Berl., 1933, 29: 1238-42.—BERNHARDT, Ovalar-Poikilocytose bei Begleitanaemie. Ibid., 1927, 23: 1321.—CHRISTOF, N. Grippa epidemica e contribuzioni la tabloul leucocitar al infectiunilor gripace. Cluj. med., 1927, 8: 6; 207-13.—EGOROV, A. P. [Significance of the blood picture in diagnosis of influenza] Vrach. delo, 1937, 19: 214-20.—ENGEL, E. Ueber den Wert fortlaufender Hämo-grammuntersuchungen bei der Beurteilung von Grippekranken. Med. Welt, 1935, 9: 1627-9.—FIDLER, M. [Hematological chart of influenza in current year] Cas. lék. česk., 1927, 66: 882-7.—KOROVIN, A. A. [Sporadic grippa and its blood picture] Klin. med., Moskva, 1941, 19: No. 2, 69-80.—MOLÉN, L. van der [Case of agranulocytosis following influenza] Ned. tscr. geneesk., 1939, 83: 2240-6.—NIPPERDEY, W. Blutbilder während der Grippe-Epidemie. Deut. med. Wschr., 1929, 55: 478-80.—NÉL, P. La formule leucocytaire de la grippa et sa valeur pratique. Strasbourg méd., 1929, 89: 457-68.—PARSONS, H. H. A new finding in the blood of influenza. Mil. Surgeon, 1940, 86: 101-3.—SCHNETZ, H., & GREIF, S. Die Leukopenie bei Grippe im Sternalmark. Zschr. klin. Med., 1937, 132: 128-33. — Das Verhalten der weissen Blutzellen im Sternalmark und im peripheren Blut bei Grippe. Pol. haemat., Lpz., 1938, 59: 93-110.—SERRA, V., & DE BONIS, G. Un contributo allo studio dell'influenza. Rinasc. med., 1929, 6: 358-61.—SOKOLOVA, J. V. [Leucocytosis and leucocytic formula in epidemics of influenza] Arkh. biol. nauk, 1926, 26: 59-66.—VOROBEICHIK, N. L. [Morphology of blood in influenza] Ter. arkh., 1937, 15: 38-42.—WETZEL, U. Blutkörperchensenkungsgeschwindigkeit und Blutbild bei Grippe. Med. Klin., Berl., 1937, 33: 1371.—WILLMORE, J. G. Influenza and leucopenia. Lancet, Lond., 1937, 1: 347.

History of research.

ANDREWS, C. H. Influenza, four years' progress. Brit. M. J., 1937, 2: 334; 513. Also Ulster M. J., 1937, 6: 250-3.—STUART-HARRIS, C. H. [et al.] Influenza. Lancet, Lond., 1937, 2: 321.—BURNET, F. M. The modern outlook on influenza. Clin. Rep. Melbourne Hosp., 1937, 8: 1-10, pl.—FLOHN, H. Neue Erkenntnisse bei der Erforschung der Grippe. Umschau, 1939, 43: 1109-12.—FRANCIS, T., jr. Recent advances in the study of influenza. J. Am. M. Ass., 1935, 105: 251-4.—GRAY, G. W. Influenza. In his Advance. Front of Med., N. Y., 1941, 162-84.—HARE, R. Recent advances in the study of influenza. Canad. Pub. Health J., 1937, 28: 157-65.—HORSFALL, F. L., jr. Present status of knowledge concerning influenza. Am. J. Pub. Health, 1940, 30: 1302-10.—KRAUSE, P. Der heutige Stand der Aetiologie und Klinik der Grippe. Deut. med. Wschr., 1929, 55: 948.—LÖNNQVIST, B. [History of influenza] Fin. läk. säll. hand., 1929, 71: 188-96.—MILLER, L. M. Fate joins the flu fighters. In Science Yearb. (Ratcliff, J. D.) N. Y., 1942, 108-13.—MODERN knowledge of influenza. Ther. Notes, Det., 1942, 49: 81-6.—PROGRESS in influenza. J. Am. M. Ass., 1937, 109: 1202.—RATCLIFF, J. D. Influenza. In his Lives & Dollars, N. Y., 1941, 30-7.—SHOPE, R. E. Recent knowledge concerning influenza. Ann. Int. M., 1937, 11: 1-12. Also Diplomate, 1938, 10: 143-50.—THOMSON, D. Recent advances in the study of influenza. Brit. Homoeop. J., 1939, 29: 382-98.

Immune serum.

ALEXANDER, H. E. Type B anti-influenzal rabbit serum for therapeutic purposes. Proc. Soc. Exp. Biol., N. Y., 1939, 40: 313.—& HEIDELBERGER, M. Production and analysis of anti-Hemophilus influenzae rabbit serum for therapeutic purposes. J. Bact., Balt., 1940, 39: 83.—BÉGLÈRE, A. La sérumthérapie antigrippale. Presse méd., 1938, 46: 1385-8.—DE TORREGROSA, M. V., & FRANCIS, T., jr. The intracerebral infection of mice with Hemophilus influenzae as an index of strain virulence and the protective value of immune serum. J. Infect. Dis., 1941, 68: 59-66.—EPSTEIN, F. G. [Treatment of the grippa with anti-grippal serum] Ter. arkh., 1939, 17: No. 6, 194-200.—HORSFALL, F. L., jr. Quantitative relationship between influenza virus and antiserum. J. Bact., Balt., 1940, 39: 37.—LAIDLAW, P. P., SMITH, W. [et al.] Influenza: the preparation of immune sera in horses. Brit. J. Exp. Path., 1935, 16: 275-90.—NECHAEV, A. V. [Evaluation of the efficacy of specific serotherapy by inhalation of anti-grippal serum]

Sovet. med., 1940, No. 7 25-9. — **Korshunova, O. S., & Boru, M. I.** [Evaluation of medicinal effect of inhalation of anti-influenza immune serum in epidemic influenza] Arkh. biol. nauk, 1938, 52: 155-61, pl. — **Smorodintsev, A. A., & Shishkina, O. I.** [Experimental analysis of prophylactic and medicinal effect of influenza immune serum on virus infection of mice in various methods of its application] Ibid., 132-54. — **Vylegzhanin, A. I.** [Mechanism of action of anti-grippal serum] J. mikrob., Moskva, 1942, No. 5, 82-5.

Immunity.

See also Influenza virus.

Andrews, C. H. Immunity in influenza; the bearing of recent research work. Proc. R. Soc. M., Lond., 1938-39, 32: 145-52. — **Belikov, P. F.** [Complement fixation test as index of immunity in gripp] Arkh. biol. nauk, 1940, 59: 44-9. — **Fairbrother, R. W., & Martin, A. E.** Serologic studies in epidemic influenza, with particular reference to the persistence of antibodies after infection. Lancet, Lond., 1938, 1: 718-20. — **Francis, T. jr.** Etiological and immunological aspects of influenza. Health Exam., N. Y., 1936, 5: No. 11, 13-6. — The immunology of epidemic influenza. Am. J. Hyg., 1938, 28: 63-79. — **Ganguli, P.** The etiology of influenza and the problem of immunity. Calcutta M. Rev., 1939, 1: 426-8. — **Lichtenstein, A.** Contribution à l'étude de l'immunité dans l'influenza épidémique. Acta med. scand., 1931, 76: 1-4. — **Magill, T. P.** Repeated attacks of influenza. Proc. Soc. Exp. Biol., N. Y., 1941, 46: 316-8. — **Manoussakis, E.** Sur l'étiologie de la grippe et l'immunité post-grippale. C. rend. Soc. biol., 1931, 106: 703. — **Resistance of the community to epidemic influenza.** Month. Bull. Emerg. Pub. Health Lab. Serv., Lond., 1942, 1: Nov., 5. — **Sarmiento, P.** Influenza ed immunità. Cult. med. mod., Pal., 1926, 5: 671-4. — **Smorodintsev, A. A., & Shishkina, O. I.** [The mechanism of acquired and natural immunity in grippal infection; the humoral factor in the mechanism of active immunity] Arkh. biol. nauk, 1940, 59: 3-19.

Immunization.

See also subheading Prevention.

ZELLAT, J. *Protection against influenza virus by passive means and by an aerosol [Ph. D.] p.239-49. 231cm. Phila., 1941.

Barnes, H. L. The prophylactic value of Leary's vaccine. J. Am. M. Ass., 1918, 71: 1899. — **Bentivoglio, G. C.** Sul valore della vaccinazione antinfluenzale a scopo profilattico nel lattante. Bull. Accad. med. Roma, 1930, 56: 271-7. — **Britton, C. J. C.** Inoculation against influenza. Practitioner, Lond., 1941, 147: 728. — **Brown, J. W., Eaton, M. D.** [et al.] An epidemic of influenza; results of prophylactic inoculation of a complex influenza A-distemper vaccine. J. Clin. Invest., 1941, 20: 663-9. — **Bruck, C.** [Preventive inoculation for influenza] Sven. lak. tidn., 1933, 30: 196-203. — **Burnet, F. M.** The prospects of immunization against influenza. Health Bull., Melb., 1941, Nos. 65-6, 1809-12. — **Delucchi, J. R.** Contribución al estudio de la vacunación antigripal como preventiva. Rev. san. mil., B. Air., 1934, 33: 399-401. — **Dormidontov, A. A., & Nelepenko, N. I.** [Application of influenza antiviral for young children] Pediatria, Moskva, 1937, No. 5, 82-9. — **Eaton, M. D., & Martin, W. P.** Immunization with inactive virus of influenza B; comparison of antibody response with that produced by infection. Pub. Health Rep., Wash., 1942, 57: 445-51. — **Ferrán, J.** Estudios sobre la unidad etiológica de la gripe y la vacuna contra esta enfermedad. Sem. méd., B. Air., 1927, 34: pt 1, 998-1005. — La unidad etiológica de la gripe y la vacuna contra esta enfermedad. Siglo méd., 1929, 83: 401-9. — **First flu vaccine tests being made in Puerto Rico.** Science News Lett., 1940, 38: 140. — **Francis, T. jr.** Intranasal inoculation of human individuals with the virus of epidemic influenza. Proc. Soc. Exp. Biol., N. Y., 1940, 43: 337-9. — & **Magill, T. P.** Vaccination of human subjects with virus of human influenza. Ibid., 1935-36, 33: 604-6. — **Guidetti, E.** Sull'efficacia della vaccinatorapia anti-influenzale per via orale. Minerva med., Tor., 1938, 29: pt 1, 629-31. — **Hare, R., Auger, W. J., & McClelland, L.** Immunity in influenza and the results of vaccination. Canad. Pub. Health J., 1942, 33: 48. — **Harford, C. G.** Specific prophylaxis in influenza. Week. Bull. S. Louis M. Soc., 1940-41, 35: 285-9. — **Henle, W., Henle, G., & Stokes, J. jr.** Demonstration of the efficacy of vaccination against influenza type A by experimental infection of human beings. J. Immun., Balt., 1943, 46: 163-75. — **Ide, M.** Les vaccinations contre l'influenza. Rev. méd., Louvain, 1928, 69-73. — **Immunisation against influenza.** Med. Off., Lond., 1942, 67: 201. — **Immunization against influenza virus A.** Brit. M. J., 1940, 2: 632. — **Influenza (The) virus in relation to prophylaxis and treatment.** Lancet, Lond., 1935, 2: 27. — **Influenza and colds are attacked from new angle; repeated inoculations of virus are followed by changes in the nasal membranes of animals.** Science News Lett., 1938, 34: 389. — **Jost, W.** Die aktive perorale Schutzimpfung gegen Grippe (Influenza) mit Buccalin. Schweiz. med. Wschr., 1936, 66: 145. — **Kanauchi, S.** Immunologische Studien über die Keuchhusten- und Influenzavakzinen; über die Reimmunisierung mit Influenzavakzinen. Acta dermat., Kyoto, 1937, 28: 31. — **Korobkova, E. I., & Solun, N. S.** [Vaccination against influ-

enza by the inhalation method] Vest. mikrob., 1934, 13: 43-6. — **Kraus, R.** Der gegenwärtige Stand der prophylaktischen Schutzimpfung gegen Influenza. Wien. med. Wschr., 1927, 77: 330. — Also Seuchenbekämpfung, 1927, 4: 89; 153. — Also Wien. med. Wschr., 1927, 77: 356-61. — **Lewkowitz, D.** Spezifische Immunisierung bei grippalen Infekten. Med. Welt, 1930, 4: 128. — **Mansell, R. A.** Inoculation against influenza. J. R. Army M. Corps, 1932, 59: 270. — **Martin, W. P., & Eaton, M. D.** Experiments on immunization of human beings against influenza A. Proc. Soc. Exp. Biol., N. Y., 1941, 47: 405-9. — **Meyer, F.** Grippe-Schutzimpfung. Med. Welt, 1929, 3: 202. — **Netchay, A. V.** Valor terapêutico da inalação do soro específico antigripal. Gaz. clin., S. Paulo, 1941, 39: 107-14. — **Nevado Requena, R.** La vacuna antigripal; observaciones personales durante la epidemia de Enero de 1920 en Vélez-Rubio, Almería. Progr. clin., Madrid, 1920, 16: 3-6. — **Ockman, D.** Immunization against influenza virus A. Brit. M. J., 1940, 2: 723. — **Okamoto, T., & Saito, T.** On preventive injection against influenza. Orient. J. Dis. Inf., Kyoto, 1934, 16: 27. — **Page, R. C.** The use of vaccine in the prevention of epidemic influenza. Med. Bull. (Standard Oil Co.) N. Y., 1941-42, 5: 106-14. — **Shropshire, W.** Influenza vaccination. Med. Rec., Houston, 1938, 32: 621-3. — **Siegel, M., Muckenfuss, R. S.** [et al.] A study in active immunization against epidemic influenza and pneumococcus pneumonia at Letchworth Village; the results of active immunization against epidemic influenza from 1937 to 1940. Am. J. Hyg., 1942, 35: 55-96. — **Smorodintsev, A. A.** [Etiology and specific prophylaxis of epidemic influenza from the view-point of recent data] Arkh. biol. nauk, 1938, 52: 3-18. — & **Shishkina, O. I.** [Mechanism of acquired and natural immunity against grippal infection; rôle of the phagocytary apparatus of actively immunized animals in control of grippal infection] Ibid., 1940, 59: 20-37. — **Smorodintsev, A. A., Gulamov, A. G., & Chalkina, O. M.** Prophylaxis of epidemic influenza by inhalation of antiserum. J. Am. M. Ass., 1942, 119: 598 (Abstr.) — **Specific prophylaxis of influenza.** Lancet, Lond., 1937, 1: 575. — **Steriopulo, S. S.** [The gripple and its specific prophylaxis and therapy] Sovet. med., 1940, No. 16, 17-9. — **Stévenin, H., & Patez, R. M.** La vaccination préventive de la grippe saisonnière chez l'enfant. Arch. méd. enf., 1935, 38: 325-34. — **Stokes, J. jr., & Shaw, D. R.** Production of passive immunity against influenza virus by introducing immune sera into the respiratory tract. Am. J. Dis. Child., 1939, 58: 653. — **Stokes, J. jr., Chenoweth, A. D.** [et al.] Results of immunization by means of active virus of human influenza. J. Clin. Invest., 1937, 16: 237-43. — **Stokes, J. jr., McGuinness, A. C.** [et al.] Vaccination against epidemic influenza with active virus of human influenza. Am. J. M. Sc., 1937, 194: 757-68. — **Stoltenberg, L.** [Prevention of hospital infection of influenza with anticarrh vaccine] Norsk mag. lægevid., 1932, 93: 175-85. — **Tron, G.** La vaccinazione profilattica contro l'influenza. Terapia, Milano, 1927, 17: 33-41. — Tentativi di vaccinazione specifica dell'influenza epidemica. Ibid., 1938, 28: 211-3. — Verso la vaccinazione specifica dell'influenza epidemica. Ibid., 1939, 29: 13-6. — La vaccinazione specifica dell'influenza epidemica. Riv. Soc. ital. igiene, 1939, 61: 88. — **Vaccination against influenza.** Lancet, Lond., 1941, 2: 735. — **Vaveren, A. G. W. van** [Vaccination against influenza] Ned. tsehr. geneesk., 1927, 71: pt 1, 1708. — **Zellat, J., & Henle, W.** Further studies in passive protection against the virus of influenza by the intranasal route. J. Immun., Balt., 1941, 42: 239-49.

Industrial and occupational aspects.

Barkhash, P. A. [Clinical aspect of sporadic influenza and the working capacity] Sovet. klin., 1934, 20: 641-8. — **Blood, W.** Influenza and industry. Brit. M. J., 1937, 1: 1079-81. — **Koiransky, B. B., & Dobrolubov, E. I.** [Influenza infections in industries and their prevention] Vrach. delo, 1935, 18: 647-52. — **Kovnatsky, M. A.** [Frequency of influenza cases among the workers in chloride industries] Sovet. vrach. J., 1936, 1: 856-9.

Kidney.

Cook, A. S. Acute haemorrhagic nephritis following influenza. Brit. M. J., 1926, 2: 1118. — Nephritis following influenza; notes on 100 consecutive cases. Ibid., 1927, 1: 1143. — **Delicati, J. L.** Influenzal nephritis and pyelitis. Ibid., 1961. — **Goia, Y.** La néphrite grippale douloureuse. Bull. Soc. méd. hôp. Paris, 1926, 3, ser., 1: 1599-603. — **Hantschmann, L.** Ueber Nierenerkrankungen bei der diesjährigen Grippe. Münch. med. Wschr., 1933, 80: 1434. — **Perelli, G.** Di alcuni casi atipici d'influenza con complicanza renale. Med. prat., Nap., 1926, 11: 41-3. — **Rimbaud, P.** Les néphrites azotémiques grippales. Prat. méd. fr., 1931, 12: 171-4. — **Smirnoff, I.** Nephritis post-grippales. Sem. méd., B. Air., 1936, 43: pt 1, 305-7. — **Vaubel, W.** Beziehungen zwischen Grippe und Nierenerkrankungen. Med. Welt, 1936, 10: 1734.

Larynx, pharynx, trachea, bronchus.

See also subheading Respiratory tract.

RIGAUD, A. *Laryngites aiguës œdémateuses au cours de la grippe. 40p. 8° Par., 1927. — **SARAVIA CARDENAS, J. P.** *Le faux croup grippal chez l'enfant. 106p. 8° Par., 1930.

SEEFELDT, H. *Die akuten Perichondritiden des Kehlkopfskeletts bei Grippe. 36p. 8°. Berl., 1936.

WEINBERG, R. *Ueber stenosierende Laryngotracheitis bei Grippe (Grippecroup) 30p. 8°. Jena, 1928.

Cannac, M. Les formes cliniques de la laryngite grippale et leur traitement. Rev. laryng., Par., 1926, 47: 571-90.—Eiman, J. Acute laryngitis due to Haemophilus influenzae. Arch. Otolaryng., Chic., 1942, 36: 963.—Farjat, F. P. Flemón parafaringeo post-angina gripal. Rev. As. méd. argent., 1935, 49: 1564-8.—Fernández Múniz, M., & Mir, M. Brouquio-alveolitis gripal. Bol. Hosp. policía nac., Habana, 1942, 1: 24-7.—Forschner, L. Die Entstehung von Sängerknötchen bei mangelhafter Schonung der Stimme im Anschlusse an grippöse Infektionen. Wien. klin. Wschr., 1933, 46: 1325.—Hirsch, M. Laryngeale Komplikationen der Grippe. Zschr. Laryng., 1927, 16: 34-7.—Lachmann. Fall von postgrippöser Perichondritis arytaenoidea. Pol. otolar. orient., 1937, 4: 26.—Lesné, Launay, C., & Waitz. A propos des complications laryngées et pulmonaires de la grippe. Bull. Soc. pédiat. Paris, 1929, 27: 249-54.—Martínez Vargas. Garrotillo gripal; curación con la quinina. Med. niños, 1919, 20: 353-8.—Moure, E. J. Des complications laryngées de la grippe. J. méd. Bordeaux, 1927, 57: 339-42.—Mulder, J. Haemophilus influenzae und influenza virus in relation to bronchitis. J. Path. Bact., Lond., 1940, 50: 317-22.—Perwitschky, R. Die Grippe-Tracheo-Bronchitis und ihre Behandlung. Zschr. Hals & Heilk., 1940-41, 47: 1-9. Also Schweiz. med. Wschr., 1941, 71: 1406.—Raven, C. Tracheitis due to bacillus Haemophilus influenzae. Ohio M. J., 1941, 37: 445.—Segura, E. V. Complicaciones laringeas de la gripe. Fol. med., Rio, 1922, 3: 113; 122.—Seiffert. Eigenartige Kehlkopfkrankung bei Grippe. Zschr. Hals & Heilk., 1928, 22: 53.—Sinclair, S. E. Haemophilus influenzae type B in acute laryngitis with bacteremia. J. Am. M. Ass., 1941, 117: 170-3.—Tanturri, V. L'edema laringeo acuto influenzale (contributo clinico). Gazz. med. lombarda, 1927, 86: 73-5.—Thost. Perichondritis des Kehlkopfes nach Grippe. Zschr. Hals & Heilk., 1928, 21: 563-71.—Trepiccion, E. Considerazioni su nove casi di bronchite acuta emoftoica da influenza. Riforma med., 1933, 49: 274-54.—Uzefovich, S. K. [Influenzal edemas of the larynx] Vrach. delo, 1937, 19: 219-24.

— Lungs, and pleura.

See also subheading Respiratory tract.

BILFINGER, A. *Ueber die pathologische Anatomie der Influenzabronchitis und Influenzapneumonie. 15p. 22½cm. Heidelberg, 1938.

BRETON, N. *Contribution à l'étude de la broncho-alvéolite spumeuse grippale chez le nourrisson. 31p. 24½cm. Par., 1939.

GOUZONNAT, C. *Contribution à l'étude de la grippe pulmonaire chez le nourrisson. 58p. 8°. Par., 1933.

PATEZ, R. M. J. *Prophylaxie des infections grippales et de leurs complications pulmonaires par la vaccination préventive. 78p. 8°. Par., 1935.

SACK, P. *Die Grippepneumonie und ihre Komplikationen. 63p. 21cm. Freib. i. B., 1936.

Ackermann, A. J. Roentgenological consideration of influenza pneumonitis. Am. J. Roentg., 1941, 46: 175-81.—Baccarani, C. Il suono timpanico e subtimpanico nelle broncopneumoniti da influenza e suo significato diagnostico e prognostico. Gazz. osp., 1930, 52: 135.—Bierry, H., Rathery, F., & Levina. Les variations des sucres libre et protéidique au cours des localisations pulmonaires de la grippe. C. rend. Soc. biol., 1933, 113: 547.—Boller, R., & Wassermann, S. Klinisches und Hämatologisches zur Lungengrippe unter besonderer Berücksichtigung der Prognose. Wien. Arch. inn. Med., 1928-29, 16: 355-76.—Bossan, E. A. Complications broncho-pulmonaires graves de la grippe, traitées par injections intratrachéales de sérum antipneumo- et antistreptococcique. Tr. Soc. biol. Barcel., 1919, 7: 118.—Bowen, A. Acute influenza pneumonitis. Tr. Hawaii M. Ass., 1934, No. 44, 39-42. Also Am. J. Roentg., 1935, 34: 168-74.—Bross, K. [Optochinum basium in treatment of pneumonia, especially grippal pneumonia] Med. prakt., Poznań, 1937, 11: 101-6.—Carron, R. F. Complicaciones pulmonares grippales; diagnóstico precoz por la eritrosedimentación. Rev. san. mil. B. Air., 1935, 34: 366-9.—Chin Kyu Sui. Ein Fall von kindlicher Influenza-Pneumonie mit starker Darmblutung. Taiwan igakkai zassi, 1929, 63.—Christie, I. M. Types of pneumococci in post-influenzal pneumonia. Lancet, Lond., 1933, 1: 469.—Cornwall, E. E. Lobar and influenzal pneumonia treated in accordance with a plan of physiological support: analytical report of 50 cases. Med. Rec., N. Y., 1935, 142: 399.—Corten, M. H. Ueber Wesen und Bedeutung der Veränderungen an den Lungengefäßen bei der Grippepneumonie. Virchows Arch., 1931, 280:

463-75.—Cseley, J. [Treatment of pneumonia in influenza] Orv. hetil., 1937, 81: [unell.] 21.—Cully, R., & Cousty, A. A propos de quelques séquelles pleuropulmonaires grippales. Bull. Soc. méd. mil. fr., 1935, 29: 140-3.—D'Antona, L. Sulla broncopneumonia miliaria influenzale. Minerva med., Tor., 1931, 22: pt 2, 1-6.—Dennig, H. Ueber Grippepneumonie. Deut. med. Wschr., 1940, 66: 122-4.—De Toni, G. Una complicazione banale ed un complicazione rara della broncopneumonia influenzale infantile. Minerva med., Tor., 1937, 28: pt 2, 217-24.—Dittmar, F., & Ruppert, V. Ueber charakteristische Röntgenbilder bei Grippepneumonien; Grippe-dreieck und Schwammstruktur bei Grippe. Deut. Arch. klin. Med., 1941, 187: 577-91 (microfilm)—Dunaev, E. [Severe cases of influenza-pneumonia cured by wrapping in mustard poultices] Vrach. gaz., 1927, 31: 515-8.—Eimer, K., & Kestermann, E. Die Bedeutung des Röntgenbildes für die Prognose der Grippe-Bronchopneumonie. Zschr. klin. Med., 1931, 118: 323-36.—Elliott, W. M. Pneumonia in relation to influenza. Tr. R. Med. Chir. Soc. Glasgow, 1930, 24: 73-9. Also Glasgow M. J., 1930, 113: 78-81.—Fabrizio, A. Polmonite lobare da influenza. Rinasc. med., 1926, 3: 142-4.—Farber, S., & Wilson, J. L. The hyaline membrane in the lungs; a descriptive study. Arch. Path., Chic., 1932, 14: 437.—Fejgin, M. [Clinical aspect and treatment of influenzal pneumonias] Warsz. czas. lek., 1938, 15: 181; 201.—Frothingham, C. A case of so-called influenzal pneumonia. Boston M. & S. J., 1926, 195: 460-1.—Gambara, L. Infiltrazioni pleuro-polmonari post-grippali dell'infanzia e attino-terapia. Raggi ultravioletti, 1927, 3: 3-7.—Gerhenovich, R. S., & Maksudov, A. M. [Comparative results of the treatment of grippal pneumonia in children with streptocide, sulfidine, and sulfazol] Pediatria, Moskva, 1942, No. 3, 39-42.—Goldfarb, H. [Treatment of grave, bilateral influenzal pneumonia] Warsz. czas. lek., 1938, 15: 576.—Green, J. E. Diagnosis and treatment of influenza-pneumonia. Mississippi Doctor, 1936-37, 14: No. 4, 44-9.—Grieshammer, W. Ueber Lungenerkrankungen bei Meerschweinchen mit vergleichenden Untersuchungen in bezug auf die Grippepneumonie des Menschen. Arch. Hyg., Münch., 1938, 121: 102-13.—Gsell, O. Grippepneumonien (deren Formen und Beziehungen zu den Pneumokokkentypen) Münch. med. Wschr., 1936, 83: 843-7.—Harris, H. J. Unresolved pneumonia. N. York State J. M., 1933, 33: 738-41.—Harstoun, W. Epidemic pneumonia in a setting of clinical influenza; the Scotchbore outbreak in 1938. Lancet, Lond., 1939, 2: 1333-5.—Henrichs, W. Grippepneumonie als entschädigungsspflichtige Berufskrankheit eines Arztes. Med. Welt, 1938, 12: 756.—Hilgartner, H. L. Quinine amblyopia complicating influenza pneumonia. Am. J. Ophth., 1929, 3, ser., 12: 488.—Hittmaier, A. Ueber Behandlungsversuche der Grippepneumonie mit Schwermetallen. Wien. klin. Wschr., 1935, 48: 1425.—Hudson, B., & Wollaston, F. L. Clinical record: a case of pulmonary consolidation of doubtful origin. Bristol Med. Chir. J., 1935, 52: 233-5, 2 pl.—Influenza and pneumonia. Lancet, Lond., 1940, 1: 284; 428.—Isida, I. Studies on influenzas and pneumonias of infants and children; bacteriological research of exudate of empyema pleurae, especially on type occurrence of pneumococci. Orient. J. Dis. Inf., Kyoto, 1932, 12: 15-7.—Studies on influenzas and pneumonias of infants and children; immunological research of exudate of empyema pleurae. Ibid., 18-20.—Ivie, W. H. Influenza and its pneumonia. J. Am. Osteopath. Ass., 1932, 31: 157-63.—Jackson, J. W. Influenza and pneumonia in Indiana. J. Indiana M. Ass., 1943, 36: 137-42.—Jacquelin, A. Bronchopneumonie grippale. Bull. méd., Par., 1937, 51: No. 8, Suppl.—Kaczander, P., & Rudin, B. The Congestion pulmonaire als eine Form der grippösen und infektiös-toxischen Lungenerkrankungen. Deut. med. Wschr., 1931, 57: 925-7.—Kaloecay, K. [Influenza pneumonia treated by quicksilver salvarsan] Budapesti orv. ujs., 1932, 30: 389-91.—Lamaison, C. Pleurésie interlobaire primitive grippale. J. méd. Bordeaux, 1927, 57: 231.—Lenoch, F. [Treatment of grippal pneumonias during the winter of 1938-39 by diathermy] Cas. lek. česk., 1939, 78: 877-80.—Levi, L. Contributo allo studio dei versamenti asettici parainfluenzali della pleura. Gior. clin. med., 1935, 16: 280-99.—Lewy, J. Ueber asthenische Grippepneumonie. Münch. med. Wschr., 1927, 74: 281.—Lister, S. A note on the aetiology of epidemic influenza and secondary pneumonia. J. M. Ass. S. Africa, 1929, 3: 179-81.—Lorando, N. Sur un cas d'hémorragie gastro-intestinale mortelle chez un diabétique atteint de pneumonie grippale. Bull. Soc. méd. hôp. Paris, 1934, 3, ser., 50: 1080-4.—Lunding, K. T. [Case of tumor metastasis after influenzal pneumonia] Tskr. mil. hälsöv., 1927, 52: 130-4, 4 pl.—Lyon, D. M., & Alexander, W. A. Observations on the pathology of influenzal pneumonia. Edinburgh M. J., 1929, n. ser., 36: 273-83, 2 pl.—McGovern, B. E., & Frankel, L. A. Influenzal bronchopneumonia; bilateral alternating pneumothorax. California West. M., 1938, 49: 61-3.—Misske, B., & Sylla, A. Röntgenologische Studien des Lungenbildes bei Grippekranken der Epidemie 1928-29. Fortsch. Röntgenstrahl., 1930, 42: 4-18.—Nonaka, Y. Ueber den Diastasegehalt des Harns und des Serums sowie über die Zuckerassimilation und Glykosurie bei der akuten (kruppösen und Influenza-) Pneumonie. Tokyo igakkai zassi, 1939, 53: 971.—Patez, R. M. Historique de la vaccination préventive des complications pulmonaires grippales. J. méd. Paris, 1935, 55: 677-9. Also Méd. inf., Par., 1935, 42: 165-76.—Peschel, G. Ueber Röntgenbefunde bei atypischen Grippepneumonien. Röntgenpraxis, 1930, 2: 315-22.—Piza, A., & Lamas, L. Nuevas orientaciones en el tratamiento de la broncopneumonia de tipo gripal. Progr. clín., Madr., 1918, 12: 262-4.—Ramond, L. Complication imprévue d'une congestion pulmonaire

- grippale. Presse méd., 1936, 44: 1059. — Oedèmes aigus du poulmon au cours de la grippe. Ibid., 1940, 48: 339. — **Rappoport, M. U.** [Slow influenza pneumonia] Sovet. vrach. gaz., 1933, 37: 690-4. — **Rimbaud, L., Anselme-Martin, G., & Lafon, R.** A propos de quelques nouveaux cas de pneumopathies grippales. Arch. Soc. sc. méd. biol., Montpellier, 1934, 15: 320-3. — Quelques nouveaux cas de pneumopathies grippales. Ibid., 287-90. — **Rissotto, A. A.** Pormas broncopulmonares de la gripe. Sem. méd., B. Air., 1934, 41: pt 2, 1001-7. — **Roch.** Broncopulmonite influenzale o tisi galoppante? Gazz. osp., 1936, 57: 542-4. — **Rocha Junior, M. da.** Diagnostico e tratamento das localizações pulmonares da gripe no lactente. Brasil med., 1927, 41: pt 1, 308-11. — **Romano, N.** Córteicopleuritis grupal. In his Lece. clin. méd., B. Air., 1938, 2: 121-7. — **Rossmanith, L.** [Anatomy and treatment of influenzal pneumonia] Bratisl. lek. listy, 1934, 14: 246-8. — **Rothman, J.** Postinfluenzal pneumonia complicated by gastric ulcer. U. S. Veterans Bur. M. Bull., 1927, 3: 603-6. — **Sayé, L.** Contribution à l'étude des bronchopneumonies aiguës non tuberculeuses; syndrome pseudo-tuberculeux d'origine grippale. In Quest. clin. d'actual., 6. sér., Par., 1937, 6: 217-46. — **Seadding, J. G.** Lung changes in influenza. Q. J. Med., Lond., 1937, 6: 425-63, 3 pl. — **Schiavo, E.** Sulla cura delle polmoniti e broncopulmoniti influenzali col timolo. Osp. maggiore, Milano, 1937, 25: 399-402. — **Schittenhelm.** Pneumonie und Grippe. Med. Klin., Berl., 1937, 33: 218. — **Schlomovitz, B. H.** Pulmonary nodular infiltrations in influenza resembling an early tuberculosis. Wisconsin M. J., 1943, 42: 226-8. — **Schmidt, P.** Grippe und Lungenzündung. Deut. med. Wschr., 1937, 63: 172-5. — **Sennewald, K.** Ergebnisse und Erfahrungen in der Serumbehandlung der kruppösen und Grippe-Pneumonie seit 1934. Fortsch. Ther., 1938, 14: 139-42. — **Sherburne, C. C.** Treatment of influenzal pneumonia. Proc. Postcolleg. Clin. Assn., Coll. M. Ohio Univ., 1937, 4: 131-3. — **Slutsky, I. S., Moshkov, N. D., & Itkess, G. N.** [Roentgen observations in influenzal pneumonia] Sovet. vrach. gaz., 1934, 38: 844-6. — **Snow, W., & Cassasa, C. S. B.** Obstructive emphysema and atelectasis in influenza. J. Am. M. Ass., 1937, 109: 1886-9. — **Stewart, D., & Gibson, H. J.** Acute pneumonia in the recent influenza epidemic; a clinical and bacteriological study in a series of 50 cases. Edinburgh M. J., 1929, n. ser., 36: 607-31. — **Straub, M.** [Pneumonia in the tropics in relation to influenza] Genesck. tschr. Ned. Indië, 1937, 77: 162-7. — [Changes in the lungs in experimental influenza in the mouse] Ned. tschr. genesck., 1937, 81: 3208-12. — **Svenson, N. A.** [Influenza pneumonia; its properties and classification] Vrach. delo, 1937, 19: 6-11. — **Teschendorf, H. J.** Ueber besondere Erscheinungsformen der Grippepneumonie im Röntgenbild; ein Beitrag zur Differentialdiagnose unspezifischer und spezifischer tuberkulöser Prozesse. Fortsch. Röntgenstrahl., 1933, 48: 541-7. — **Torrey, R. G.** Influenza pneumonias; observations on their pathological features and clinical characteristics. Proc. Interst. Postgrad. M. Ass. N. America, 1938, 401-9. — **Tushinsky, A. M.** [Grippal pneumonia] Tr. Ukrain. sez. terapevtov (1936) 1939, 4. Congr., 81-4. — **Tushinsky, M. D.** [Etiology of influenza pneumonias] Vrach. delo, 1937, 19: 2. — **Uspensky, A. E.** Die Bedeutung der Röntgenuntersuchungen bei Grippepneumonien. Fortsch. Röntgenstrahl., 1927, 36: 1053-61. — [Diagnosis of influenzal affections of the lungs] Ter. arkh., 1933, 11: 137-47. — **Vajda, L.** [Treatment of pulmonary complications in influenza with quinine and calcium] Orv. hetil., 1934, 78: 1162-4. — **Vishgorodtzeva, V. D.** [Auto-vaccinotherapy in influenzal pneumonia] Vrach. delo, 1927, 10: 329-34. — **Walker, O. M.** Influenza and pneumonia. J. Am. Osteopath. Ass., 1934, 33: 434-6. — **Weinberger, M.** Zur Pathologie und Klinik der Grippepneumonie. Mitt. Volksgesundh., 1933 [Aerzt. Prax.] 163. — **Weinstok, I.** [Influenza pneumonia cured with ichthyol per os. Vrach. gaz., 1927, 31: 1754. — **Winkler, E. H.** Influenza pneumonia. Med. World, 1926, 44: 93-5. — **Woodruff, M. T.** Influenzal pneumonitis; case report. J. Mount Sinai Hosp. N. York, 1938-39, 5: 49-52. — **Wynn, W. H.** Influenzal pneumonia. Lancet, Lond., 1927, 1: 559. — **Zdanovsky, V. I.** [Treatment of pulmonary suppurations and unresolved grippal pneumonias] Klin. med., Moskva, 1941, 19: No. 4, 106.
- **Lymphatic system.**
- Fleischner, F.** Vergrößerung der mediastinalen Lymphknoten und Kompressionsstenose des Oesophagus bei Grippe. Wien. klin. Wschr., 1928, 41: 714. — **Lange, C. de.** Lymphatische Reaktion bei Grippe. Mschr. Kinderh., 1927-28, 37: 202-4. — **Nolan, R. A.** Influenza lymphatica (the pentatype of influenza) J. Lancet, 1935, 55: 749-57. Also U. S. Nav. M. Bull., 1936, 34: 332-41. — **Plate, A.** Epidemisches Auftreten von Kieferwinkeldrüsenschwellungen bei Grippe und ihre Bekämpfung. Deut. med. Wschr., 1929, 55: 62. — **Ruelle, G.** Les adénopathies trachéo-bronchiques postgrippales de la seconde enfance. Bruxelles méd., 1933-34, 14: 863-8. — **Westphal, G.** Beitrag zur Kenntnis der Lymphdrüsenschwellung bei Grippe. Mschr. Kinderh., 1927, 36: 506-12.
- **Metabolism.**
- Büchmann, P., & Heyl, E.** Die Bewegung des Serumeisens bei der Grippe. Klin. Wschr., 1939, 18: 990-2. — **Gurevich, E. S.** [Glycemia curve in epidemic influenza] Ter. arkh., 1937, 15: 49-53. — **Jackson, I. N.** [Lipoidemia and cholesterinemia during influenza] Vrach. gaz., 1928, 33: 1494-8. — **Kofanov, I. F.** [Basal metabolism in influenza and other febrile affections] Sovet. klin., 1934, 20: 623-37. — **Oppel, V. V., & Chulkov, P. S.** [Carbohydrate metabolism in influenza] Tr. Acad. mil. méd. Kiroff, 1936, 5: 65-71. — **Shchedrovitsky, L. G., & Levitina, L.** [Biochemical changes in the blood during influenza] Vrach. delo, 1937, 19: 209-12.
- **Military and naval aspect.**
- Alarco, G.** La profilaxia de la gripe y de las afecciones catarrales en el medio militar. Rev. san. mil., Lina, 1928, 1: 223-5. — **Army, Navy go into action in war against influenza.** Science News Lett., 1941, 39: 103. — **Bibb, L. B.** An epidemic of influenza on shipboard and in Hawaiian Islands, in 1920. Mil. Surgeon, 1932, 71: 413. — **Burnet, F. M., Beveridge, W. I. B.** [et al.] Investigations of an influenza epidemic in military camps in Victoria, May, 1942. Med. J. Australia, 1942, 2: 371-6. — **Dudley, S. F.** An analysis of an influenza epidemic in the New Zealand Division of the Royal Navy. J. Hyg., Camb., 1927-28, 26: 132-51. — **Endin, W.** A clinical and therapeutic survey of an influenza epidemic at the Potchefstroom Military Camp. S. Afr. M. J., 1942, 16: 101-7. — **Evans, R. R.** Report on the influenza epidemic among the troops of Woolwich Garrison during the winter 1926-27. J. R. Army, M. Corps, 1927, 49: 326-36. — **Fedderson, T.** [Influenza among soldiers] Militairlaegen, 1939, 45: 14-26. — **Gmerek, A.** [Influenza in the garrison of Warsaw in 1930] Lek. wojsk., 1931, 17: 47-62. — **Heagerty, J. J.** Influenza during wartime. Nat. Health Rev., Ottawa, 1941, 9: 1-6. — **Hederer & Gueureur.** Une épidémie de grippe avec syndrome épidémiologique secondaire à bord du croiseur marseillais. Arch. méd. pharm. nav., 1926, 116: 265-304. — **Howard, D. C., Chamberlain, W. P., & Love, A. G.** The influenza epidemic of 1918. In Med. Dep. U. S. Army in the World War, Wash., 1926, 6: 349-71. — **Influenza;** U. S. Army Surgeon General's Circular Letter No. 124. J. M. Ass. Alabama, 1941-42, 11: 276. Also Army M. Bull., 1942, No. 60, 38-40. Also J. Am. M. Ass., 1942, 118: 145. Also War Med., Chic., 1942, 2: 136-8. — **Iwabuchi, C.** Etude hygiénique sur le caserne dans la région subtropicale; sur la relation entre le pouvoir refroidissant de l'air et l'apparition de la grippe. Taiwan igakkaï zasshi, 1934, 33: 76. — **Jakovovic, I.** [Non-specific catarrhal affections of the respiratory tract and the grippe in the army] Voj. san. glasnik, 1940, 11: 237-62. — **Karcher, J.** Militärärztliche Beobachtungen über Influenza, Bronchitis, Pneumonie, aus den Wintermonaten 1914-15. Korbl. Schweiz. Aerzte, 1915, 45: 1101; 1154. — **Magee, J. C.** Establishment of a board for the investigation of influenza and other epidemic diseases in the Army. J. Am. M. Ass., 1941, 116: 512. — **Mamant, D.** [Influenza among the recruits] Rev. san. mil., Bucur., 1929, 28: 356. — **Manoussakis, L.** Les épidémies grippales dans l'armée Grecque au cours de années 1930 à 1935. Paris méd., 1935, 96: annexe, 511. — **Mulder, J.** The influenza epidemic of February-March 1939 in the garrison at Groningen. Acta med. scand., 1940, 104: 481-97 (microfilm). — **Nordlander, O.** [Special characteristics of Spanish influenza in the Swedish Army in 1918-19 and 1920] Tskr. mil. hälsöv., 1932, 57: 63-256. — **Pasqualini, R. Q.** Etiologia de la gripe; su importancia en epidemiologia de guerra. Rev. san. mil., B. Air., 1942, 41: 562-9. — **Quéranal des Essarts.** Une épidémie de grippe à bord d'un croiseur à la mer. Arch. méd. pharm. nav., 1937, 127: 272-8. — **Rouville, de.** Grippe et interventions chirurgicales. Bull. Soc. obst. gyn. Paris, 1928, 17: 638-41. — **Schaffer, R., & Shapiro, B. G.** Studies in influenza. S. Afr. M. J., 1941, 15: 83-91. — **Stuart-Harris, C. H.** Epidemic influenza. J. R. Army M. Corps, 1940, 74: 270-6. — **West, R. G. R.** On the protean nature of influenza, a report of a mild epidemic at sea. Lancet, Lond., 1928, 1: 337.
- **Mixed infection.**
- Bertels, M.** Der hämolytische Streptokokkus bei Grippe. Med. Welt, 1933, 7: 274. — **Domingo, P.** Sobre las infecciones producidas por el estreptococo paragrafil 1932. Rev. méd. Barcelona, 1933, 20: 487-91. — **Hassenforder, J.** Septicémie streptococcique, complication de grippe avec localisations suppurées: pleuro-pulmonaires, sous-cutanées et ostéoarticulaires; traitement par le sérum antistreptococcique de Vincent; guérison. Arch. méd. pharm. mil., Par., 1934, 100: 225-34. — **Hunter, F. J., jr.** Influenza with streptococcal infection: a preliminary report on the use of protosil. Med. Rec., N. Y., 1937, 145: 387. — **Isida, I.** Studies on influenzas and pneumonias of infants and children; bacteriological research with special references to the occurrence of various types of pneumococci. Orient. J. Dis. Inf., Kyoto, 1930, 8: 29-32. — **Jarry, R., & Dufoix, M.** Septicopyhémie post-grippale mixte à pneumocoques et streptocoques, avec foyers multiples dont une localisation métastatique oculaire. Arch. Soc. sc. méd. biol. Montpellier, 1928, 9: 239-47. — **Riehn, G.** Abscedierende Staphylococcenpneumonie bei Grippe der Säuglinge. Ausz. Inaugur. Diss. Med. Fak. Univ. Bern (1935-37) 1938, No. 73, 1. — **Schirmer, U.** Weitere Beiträge zur Typendifferenzierung bei Pneumokokkenkrankungen mit besonderer Berücksichtigung der während einer Grippeepidemie beobachteten Pneumokokkeninfektionen. Arch. Hyg., Münch., 1934, 112: 188-97. — **Trossarelli, L.** Recherches sur la flore microbienne secondaire dans une épidémie de grippe, développée dans une communauté. Boll. Sez. ital. Soc. internaz. microbiol., 1932, 4: 156. — **Vallée, A., & Morin, E.** Complications à streptococque

dans la dernière épidémie de grippe. Bull. méd. Québec, 1929, 30: 353-7.—**Wollenman, O. J., jr, & Finland, M.** Pathology of staphylococcal pneumonia complicating clinical influenza. Am. J. Path., 1943, 19: 23-41, incl., 2 pl.

Mortality.

Bernard, E. Cas vraisemblable de grippe suraiguë appraisant et causant la mort pendant le sommeil. Bull. Soc. méd. hôp. Paris, 1929, 2. ser., 53: 611-7.—**Coffey, D. J.** La mortalité par grippe en Eire, de 1933 à 1938. Bull. Off. internat. hyg. pub., Par., 1939, 31: 1907.—**Collins, S. D.** Excess mortality from causes other than influenza and pneumonia during influenza epidemics. Publ. Health Rep., Wash., 1932, 47: 2159-80.—Influenza and pneumonia mortality in a group of about 95 cities in the United States during 4 minor epidemics, 1930-35, with a summary for 1920-35. Ibid., 1935, 50: 1668-89.—**Frost, W. H., & Gover, M.** Mortality from influenza and pneumonia in 50 large cities of the United States, 1910-29. Ibid., 1930, 45: 2277-328.—**Finkelstein, H.** Grippe und Säuglingssterblichkeit. Arch. sozial. Hyg., 1930, 5: 44-6.—**Gover, M.** Influenza mortality in the United States, 1936. Diplomate, 1936, 8: 301-3. Also Pub. Health Rep., Wash., 1936, 51: 1399-402.—**Moorehouse, G. W.** Age distribution of influenza deaths, Cleveland, Ohio, 1918-29. Am. J. Hyg., 1930, 11: 196-201.—**Schlessing, H.** Grippe als Ursache plötzlicher Todesfälle Geisteskranker. Allg. Zschr. Psychiat., 1938, 107: 277-82.—**Stocks, P.** The effect of influenza epidemics on the certified causes of death. Lancet, Lond., 1935, 2: 386-95.—**Wearne, F. S.** Influenza; annual death rate per 100,000 of the population in New South Wales, 1875-1935. Rep. Dir. Pub. Health N. S. Wales (1935) 1937, 68.

Nasopharynx, nose, and nasal sinuses.

Harrill, J. A. Influenzal involvement of the upper respiratory tract. North Carolina M. J., 1941, 2: 491.—**Iglauer, S.** Nose, throat and ear manifestations of epidemic influenza. J. Med., Cincin., 1930-31, 11: 129-32.—**Key-Aberg, H.** [Aural and nasal accessory sinus complications of influenza] Hygiea, Stockh., 1929, 91: 273-83.—**Michi, R.** [Influenzal congestion of the upper respiratory tract and sinuses] Cas. lek. česk., 1930, 69: 101-3.—**Rousseau-Saint-Philippe.** De quelques effets indirects et peu connus de la grippe sur la région du cou chez l'enfant: adénopathie et pseudo-phlegmon par rhino-pharyngite aiguë. Bull. Acad. méd., Par., 1926, 3. ser., 95: 391-4. Also J. méd. Paris, 1926, 45: 607. Also Méd. inf., Par., 1926, 32: 165-72. Also Vie méd., 1926, 7: 893.—**Rudakoff, W. O.** Zur Kasuistik der Nasenscheidewandabszesse nach Grippe. Mschr. Ohrenh., 1928, 62: 1319-24.—**Sánchez Moreno, L.** Empiema etmoidal con fistulas infraorbitarias postgripal; curación. Sem. méd., B. Air., 1938, 45: 833.

Nervous system.

PLUMING, M. *Nervöse und psychische Störungen bei Grippe. 23p. 8°. Bonn, 1921.

Adynamie (L) post-grippale: son traitement par le pressyl. J. méd. Paris, 1937, 57: 169.—**Aronovich, G. D.** [Characteristics of affections of the nervous system in epidemic influenza] Sovet. vrach. gaz., 1934, 38: 1178-88.—**Beyer.** Geschmacksstörung nach Grippe. Sitzber. Otol. Ges. Berlin (1936) 1937, 51.—**Boot, N. I.** [Influenzal affections of the nervous system. Klin. med., Moskva, 1938, 16: 1576-81.—**Cavadias, A. P.** Non-high-frequency methods in physical medicine: post-influenzal asthenia. Brit. J. Phys. M., 1941, 4: 34-7.—**Christoffel, H.** Grippe und Epilepsie. Zschr. ges. Neur. Psychiat., 1927, 107: 58-64.—**Dekhterev, V. V.** [Influenza as cause of neuro-psychic affections] Sovet. klin., 1934, 20: 957-63.—[Effect of influenza in the etiopathogenesis of disorders of the neuropsychic sphere] Sovet. vrach. J., 1938, 42: 102-6.—**Draganescu, S., & Facon, E.** [Nervous manifestations following influenza] România med., 1933, 11: 263-5.

Zentrale und periphere Störungen des Nervensystems im Verlaufe der Grippe. Acta med. scand., 1934-35, 84: 60-72.—**Dufour, H., & Hurez, A.** Grippe et système nerveux. Bull. Soc. méd. hôp. Paris, 1932, 3. ser., 48: 347-51.—**Gamarnik, I. I.** [Neuro-psychic syndromes in young children in relation to influenzal infection] Vrach. delo, 1937, 19: 223-6.—**Guérin, A.** Le grippe neurotrope. Gazz. osp., 1926, 47: 1089. Also Rev. gén. clin. théor., 1926, 40: 438-40.—**Halle, J.** A propos de quelques accidents nerveux de la grippe. Bull. Soc. méd. hôp. Paris, 1929, 3. ser., 53: 618-22. Also Rev. internat. méd. chir., Par., 1929, 40: 71-3.—**Hatzieganu, I. & Pop, A.** Une forme clinique particulière de la grippe épidémique (hyperesthésie cutanée) Bull. Soc. méd. hôp. Paris, 1926, 3. ser., 50: 1866-9.—**Khazanov, M. A.** [Influenzal affections of the nervous system] Nevropat. psichiat., 1937, 6: 58-73.—**Kulenkamp, G.** Zwerchfellretractor nach Grippe. Deut. Zschr. Nervenhe., 1926, 94: 312-4.—**Levinstein, O.** Ueber primäre essentielle Influenzaosmnie. Zschr. Laryng., 1925-26, 14: 266-73.—**MacMillan, E. A.** The neurological and psychiatric aspects of influenza. North Carolina M. J., 1941, 2: 492-4.—**Neal, J. B., & Wilcox, H. L.** Does the virus of influenza cause neurological manifestations? Science, 1937, 86: 267.—**Pattison, G. N.** Cerebral influenza simulating early cerebropinal meningitis. J. R. Army M. Corps, 1940, 75: 388-90.—Cerebral influenza. Lancet, Lond., 1941, 1: 116.—**Petrén, G.** [Certain

cases with grave cerebral symptoms in pulmonary and pleural grippe] Lunds läk. säll. förh., 1932-33 [Discussion] 28-34.—**Pette, H.** Grippe und Nervensystem. Deut. med. Wschr., 1934, 60: 1583-5.—**Rucker, S. T.** Influenza and the nervous system. J. Tennessee M. Ass., 1935, 28: 510-2.—**Schächter, M.** Complications et séquelles neuro-psychiques de la grippe. Clin. pédiat., Mod., 1937, 19: 400-4.—**Schwanke, W.** Geschmacksstörungen bei Grippe. Klin. Wschr., 1936, 15: 93.—**Traitement de l'asthénie post-grippale.** Gaz. hôp., 1940, 113: 234 (microfilm)—**Urechia, C. I.** Symptômes de myélite sacrée après la grippe. Arch. internat. neur., Par., 1936, 55: 181-3.—**Vizen, E. M.** [Certain variations of neuro-grippe] Kazan. med. J., 1939, 35: No. 7, 34-8.

Nervous system, autonomic.

Couto, M. Contribuição para o estudo das desordens funcionais do pneumogastrio na influenza; estudo clinico e physiopathologico. In his Clin. med., Rio, 1936, 3: 9-48.—**Guerricchio, A.** Sindromi neurovegetative da influenza. Riforma med., 1926, 42: 450-2.—**Meerlo, A. M.** [Symptoms of the vegetative nervous system occurring after influenza] Ned. tschr. geneesk., 1935, 79: 3863-8.—**Ody, F.** La pleuropathie solaire dans la grippe. Rev. méd. Suisse rom., 1927, 47: 405-9.—**Richter, H.** Vagusneuritis bei Influenza. Deut. med. Wschr., 1927, 53: 356.—**Sachs, P.** Ueber Störungen des vegetativen Nervensystems (vegetative Ataxie) als Grippefolgen. Münch. med. Wschr., 1938, 85: 313-8.—**Shevlev, N. A.** [Condition of the tone of the vegetative nervous system in influenza] Tr. Acad. mil. méd. Kiroff, 1936, 6: 63-71.—**Valentini, A.** Il sistema nervoso vegetativo nell'influenza. Policlinico, 1930, 37: 465-73.

Nervous system: Encephalomyelitis.

See also Encephalomyelitis.

Borrelli, F. Sopra un caso di certà corticale da encefalite acuta grippale. Riv. clin. pediat., 1936, 34: 87.—**Freund, H.** [Case of post-grippal (encephalitic) transitory aphasia] Liječ. vjes., 1940, 62: 678.—**Gerke, O.** Ein Fall von Grippepneumonie mit Encephalitis und zentraler Azetonurie. Wien. klin. Wschr., 1934, 47: 1541-3.—**Leone, A.** Alterazioni encefaliche e modificazioni del l. c. r. in bambini colpiti da influenza. Clin. pediat., Mod., 1937, 19: 471-91.—**Puusepp, L.** Akute aufsteigende Myelitis als Komplikation der Influenza. Fol. neuropath. eston., 1923, 1: 147-57.—**Sheftel, M. A.** Microscopical changes in the brain in experimental influenza. Acta med. scand., 1940, 103: 36-54. Also Arkh. biol. nauk, 1940, 58: No. 2, 110-7.

Nervous system: Meningitis.

LUTZE-JOURDAN, A. *Meningitis hervorgerufen durch den Influenzabazillus [Würzburg] 20p. 22½cm. Münch., 1936.

Acuña, M., & Bettinotti, S. I. Comentarios sobre un caso de meningitis supurada a gérmenes asociados meningococo y Pfeiffer. Rev. espec., B. Air., 1929, 4: 356-9.—**Aleman, R.** Influenzal meningitis: a review of recent literature with case reports. N. Orleans M. & S. J., 1940-41, 93: 25-35.—**Alspach, Munns [et al.]** A child with a severe congenital heart condition succumbing to influenzal meningitis. Case Rep. Child. Mem. Hosp. Chicago, 1942, 1: 8-11.—**Argonz, J.** Meningitis aguda purulenta a coco-bacilo de Pfeiffer. Rev. méd. Rosario, 1930, 20: 197-9.—**Bachhuber, H. A.** Meningitis caused by bacillus influenzae: report of a case. Wisconsin M. J., 1938, 37: 399-401.—**Balducci, E.** La meningite da bacillo di Pfeiffer. Lattante, 1936, 7: 55-79.—**Baliev, K.** [Grippal meningitis] Vrach. gaz., 1927, 31: 770.—**Belhouse, H. W.** Influenzal meningitis; report of case. J. M. Ass. Georgia, 1941, 30: 472.—**Bender, E., & Bruns, H.** Influenzabazillen als Erreger von Meningitis. Münch. med. Wschr., 1936, 83: 557.—**Benhamou, E., Huck & Jahier.** Meningite aiguë primitive à bacille de Pfeiffer. Bull. Soc. méd. hôp. Paris, 1934, 3. ser., 50: 1264-8.—**Burckhardt, J. L., & Kollarits, J.** Drei Fälle von Meningitis spinalis serosa in Zusammenhang mit Grippe. Schweiz. med. Wschr., 1926, 56: 517.—**Cabot, R. C.** Presentation of case. N. England J. M., 1934, 211: 635-9.—**Cardelle, G., & Aballi, A. J.** Meningitis a bacilo de Pfeiffer. Bol. Soc. cubana pediat., 1939, 11: 546-51.—**Cardelle, G., & Lavin, M.** Meningitis aguda a bacilo de la influenza, bacilo de Pfeiffer. Rev. san. mil. Habana, 1940, 4: 174-8.—**Cavazzutti, G. B., Teobaldo, C. J., & Actis Dato, A.** Meningitis a bacilo de Pfeiffer. Rev. As. méd. argent., 1940, 54: 108-10.—**Chacón, E.** Consideraciones acerca de un caso de encefalitis [gripal?]. An. Hosp. S. José, Madr., 1933-34, 5: 71-5.—**Cohen, C.** A propos des méningites dites à bacille de Pfeiffer. Paris méd., 1933, 89: 368-71.—**Coltosi, G.** Meningite acuta influenzale e sindrome meningea influenzale. Umbria med., 1932, 12: 2208.—**Cumberbatch, A. E.** Notes of a case of fatal leptomeningitis following upon acute suppurative otitis media of influenzal origin. J. Lar. Otol., Lond., 1905, 20: 70-4.—**Dahr, P.** Influenzabakterien-Meningitis und Influenzabakterien-Sepsis mit Gelenkmetastase. Deut. med. Wschr., 1934, 60: 782-5.—**Daugherty, F. J., & Pounders, C. M.** Influenzal meningitis: a case report. J. Oklahoma M. Ass., 1942, 35: 323.—**De Sanctis, A. G., & Pittino, G. E.** Influenzal meningitis. In Advance. Pediat., N. Y., 1942, 1: 277-9.—**Di Geronimo, G.** Azione meningo-mielitogena del virus influenzale nel

- coniglio; ricerche sperimentali. Ann. Ist. Carlo Forlanini, 1940, 4: 117-24.—Dondoli, C. Meningismo o meningite influenzale? Gior. clin. med., 1932, 13: 973.—Dowds, J. H. Pfeiffer's bacillus meningitis; 2 unusual cases. Lancet, Lond., 1940, 2: 100.—Eddy, B. E. Hemoglobinophilic bacilli from infantile meningitis. J. Infect. Dis., 1933, 52: 242-5.—Elkeles, G. Contribuciones al conocimiento de la patología del bacilo de Pfeiffer a base de casos de gripe crónica y meningitis observados en Córdoba. Sem. méd., B. Air., 1936, 43: pt 2, 426-31.—Elias, L., & De, M. N. Pfeiffer bacillus meningitis. Ind. J. Pediat., 1942, 9: 1-10.—Filgueiras, E., & Sidou, R. G. Meningite por bacilo de Pfeiffer, com provável acometimento das capsulas suprarrenais. J. pediat., Rio, 1939, 6: 26-9.—Fothergill, L. D., & Chandler, C. A. Observations on the dissociation of meningitic strains of H. influenzae. J. Immun., Balt., 1936, 31: 401-15.—Fothergill, L. D., & Wright, J. Influenza meningitis; the relation of age incidence to the bactericidal power of blood against the causal organism. Ibid., 1933, 24: 273-84.—Gerbas, M. Ulteriore contributo allo studio della meningite influenzale nei bambini. Pediatria (Riv.), 1927, 35: 842-7.—Gernec, C., & Huriez, C. La méningite à bacilles de Pfeiffer. Presse méd., 1940, 48: 740-3.—Gewecke, H. Ein Beitrag zu Krankheitsbild und Bakteriologie der Influenzabazillenmeningitis an Hand von vier Fällen. Deut. med. Wschr., 1940, 66: 704-6.—Gibbins, J. Influenza meningitis; with a report of 2 cases. Lancet, Lond., 1931, 1: 291-3.—Golirevich, E. [Pfeiffer's experimental meningitis in rabbits and titration of anti-Pfeiffer serums by means of the subarachnoid method] Arkh. biol. nauk, 1934, ser. B, 35: 463-78.—Gorter, E. [Influenza-meningitis]. Ned. tschr. geneesk., 1934, 78: 1190-5.—Greenhal, R. Nitrite reaction as a diagnostic test in influenza meningitis. Am. J. Dis. Child., 1930-31, 40: 569.—Grenet, H., Pfeiffer, de, & Levent, R. Méningite à bacille de Pfeiffer; endocardite végétante; recherches anatomiques et bactériologiques. Bull. Soc. pédiat. Paris, 1928, 26: 378-83.—Gurevitch, J. Influenza meningitis. Harefuah, Tel Aviv, 1939, 16: No. 2, 2.—Hayes, W. The clinical and bacteriological aspects of meningitis due to H. influenzae. Irish J. M. Sc., 1940, ser. 6, No. 174, 241-55, pl.—Hernández Gonzalo, P., Díaz Orero, E., & Chediak, M. Un caso de meningitis a bacilos de Pfeiffer. Rev. méd. cubana, 1933, 44: 1467-75.—Hill, A., & Platow, E. S. Influenza meningitis. J. Lancet, 1942, 62: 168.—Hsu, I. T. Influenza bacillus meningitis; report of case. China M. J., 1931, 45: 1183.—Huntington, R. W., jr., & Wilkes-Weiss, D. Influenza meningitis; a study of its clinical characteristics based on an analysis of 54 cases from the records of the St. Louis Children's Hospital. J. Pediat., S. Louis, 1936, 9: 449-55.—Association of otitis media and pneumonia with onset of influenza meningitis. Ibid., 456-61.—Influenza meningitis. Lancet, Lond., 1940, 1: 463.—Janbon, Bougarel, L., & Labraque-Bordenave, M. Méningite à bacilles de Pfeiffer d'allure primitive et d'évolution suraiguë, chez un nourrisson de 4 mois. Arch. Soc. sc. méd. biol. Montpellier, 1938, 19: 196.—Jenks, H. H., & Radbill, S. X. Influenza meningitis. Arch. Pediat., N. Y., 1931, 48: 1-15.—Jones, A. C., & Sudds, M. V. N. A case of influenza meningitis. Brit. M. J., 1942, 1: 327.—Jones, H. W. E. H. influenzae meningitis. Ibid., 1937, 2: 797-9.—Joseph, M., Mehlman, J., & Hager, D. Influenza meningitis in a 7-month-old infant. J. Pediat., S. Louis, 1941, 19: 823-5.—Kane, F. F. Influenza meningitis. Ulster M. J., 1938, 7: 50-5.—Kasper, M. Eitrige Hirnhautentzündung durch Influenzabazillen. Münch. med. Wschr., 1934, 81: 871.—Knouf, E. G., Mitchell, W. J., & Hamilton, P. M. Survey of influenza meningitis over a 10-year period, 1931-41. J. Am. M. Ass., 1942, 119: 687-91.—Koller, F. Beitrag zur Kenntnis der Influenzabazillen-Meningitis. Schweiz. med. Wschr., 1938, 68: 91-3.—László, D., & Nowotny, K. Ueber Meningomyelitis gripposa. Wien. klin. Wschr., 1936, 49: 518-21.—Leenhardt, Barnay [et al.] Deux cas de méningites à bacilles de Pfeiffer chez l'enfant. Arch. Soc. sc. méd. biol. Montpellier, 1938, 19: 191-6.—Lookeren Campagne, J. van [Influenza-meningitis or meningitic septicemia (Cohen)] Mschr. kindergeneesk., 1933, 2: 577-92.—Loveless, P. N. Influenza meningitis. St. Joseph Valley M. News, 1940, 1: 113.—Lymphocytic choriomeningitis as an influenza syndrome. Brit. M. J., 1941, 2: 343.—McDonald, S. F. Influenza meningitis. Med. J. Australia, 1942, 1: 236.—Mádi-Kovács, F. [Case of post-influenza disease of the acoustico-facial cistern] Orvostud., 1939, 29: Dec. külöf., No. 2, 90-3.—Manca, S. Emiplegia totale sinistra da meningo-encefalite della preloandica di natura influenzale. Policlinico, 1934, 41: sez. prat., 41-51.—Manicadite, M., Constantinescu, C., & Ropalsă, A. M. [Two cases of meningitis caused by Pfeiffer's bacilli] Spitalul, 1936, 56: 283-5.—Marcus, J. H., & Crane, B. Influenza meningitis; an investigation, with report of case in an infant. Arch. Pediat., N. Y., 1928, 45: 445-54.—Materi, A. Propos de la méningite à bacille de Pfeiffer chez le nourrisson. Tunis. méd., 1930, 24: 225-7.—Meeker, C. S. Influenza meningitis. Washington Univ. M. Alumni Q., 1941-42, 5: 53-6.—Mitchell, H. J. Meningitis due to Haemophilus influenzae. Aust. Mayo Clin., 1941, 16: 298-302.—Motta Rezende, C., & Austregesilo, A. Meningitis grippales et syphilis. Rev. sudamer. méd., Par., 1932, 3: 228-37.—Mulder, J. [Present state of the question of the so-called influenza meningitis] Antonie van Leeuwenhoek, 1936, 3: 306-21, pl. Also Acta med. scand., 1937, 91: 320-35.—Haemophilus influenzae of the respiratory type as a cause of purulent meningitis. J. Path. Bact., Lond., 1939, 48: 175-85.—Mutch, N. Pfeiffer's bacillus, influenza meningitis. Lancet, Lond., 1941, 2: 751-3.—Nathorst, H. Grippemeningitis. Praxis, Bern, 1942, 31: 143 (Abstr.)—
- Neal, J. B. Influenza meningitis. In Modern Med. Ther. (Burr, D. P.), Balt., 1940, 2: 1578-80.—Noone, E. L., & Kennedy, P. J. Influenza meningitis; report of 2 cases with recovery; one case complicated by paroxysmal tachycardia. J. Am. M. Ass., 1940, 115: 2060-3.—Oliveira Martino, C. de. Sobre alguns casos de meningite aguda de tipo pfeifferiano. Med. contemp., Lisb., 1927, 45: 228-31.—Pelfort, C. Nuevas casos de meningitis agudas por bacilo de Pfeiffer en lactantes. Arch. lat. amer. pediat., B. Air., 1929, 23: 901-7.—Pelná, J. [Obscure acute infectious disease occurring during the last few months; influenza meningism] Cas. l'ek. česk., 1928, 67: 1489-93.—Peppers, T. D. Influenza meningitis. Rocky Mountain M. J., 1941, 38: 803.—Petzelt, K. Die Influenzabacillen-Meningitis. Zschr. klin. Med., 1936-37, 131: 691-705.—Pfeiffer bacillus meningitis. N. England J. M., 1937, 216: 615.—Pouché, A. Sintomatologia latente e dissociazione batterio-citologica nelle meningiti pneumococciche del lattante. Pediatria (Riv.), 1934, 42: 1185-9.—Prinz, H. Posttraumatische Influenza-Meningitis nach Schädelverletzung. Chirurg, 1933, 5: 544-7.—Pyle, H. D. Influenza meningitis. St. Joseph Valley M. News, 1940, 1: 63.—Ruttmann, E. Beitrag zur Kasuistik der Influenzameningitis. Arch. Kinderh., 1928, 84: 299-302.—Rupilius, K. Zwei Fälle eitriger Meningitis bei Säuglingen, hervorgerufen durch Influenzabazillen. Ibid., 1931, 94: 307-10.—Schembra, F. W. Ueber den bakteriologischen Befund dreier Influenzameningitiden. Ibid., 1928, 84: 302-4.—Silverstone, S. M. Influenza meningitis. Guy's Hosp. Rep., Lond., 1933, 83: 200-12.—Silverthorne, N., & Brown, A. Influenza meningitis. J. Pediat., S. Louis, 1940, 16: 456-61.—Silverthorne, N., Fraser, D. T., & Snelling, C. E. Influenza meningitis. Ibid., 1937, 10: 228-32.—Silverstri, R. Meningite influenzale. Boll. Acad. med. Perugia, 1927, 1-16. Also Gazz. osp., 1927, 48: 295-7. Also Riforma med., 1927, 43: 169-71.—Meningoencefaliti influenzali emorragiche. Ibid., 1932, 48: 1283.—Sirlin, E. M., & London, A. H. Influenza meningitis; case report. J. Pediat., S. Louis, 1940, 17: 228.—Subik, F. [Meningitis, caused by Pfeiffer's bacillus] Bratisl. lek. listy, 1936, 16: [Priloha No. 9] 250-60.—Thompson, W. H. Influenza meningitis. J. Lancet, 1936, 56: 273-8.—Turner, M. L. Influenza meningitis. J. Iowa M. Soc., 1926, 16: 190.—Valtedor, R. G., & Hernández, A. Meningitis a hemophilus influenzae; 3 observaciones clinicas. Villacura med., S. Clara, 1941, 9: 270-84.—Vasconcelas, J. Tres casos de meningitis a bacilos de Pfeiffer. Arch. lat. amer. pediat., B. Air., 1929, 23: 941-7.—Velasco Blanco, L., Fuks, D., & Kirchmayr, E. A. Consideraciones sobre la meningitis gripal. Arch. amer. med., B. Air., 1933, 9: 147-52.—Velden, F. Chronische Influenza, Meningitis und ihre Rachenbilder. Zschr. arzt. Fortbild., 1926, 23: 249.—Vlasov, V. A. [Suppurative meningitis caused by the influenza bacillus in infants] Pediatria, Moskva, 1938, No. 1, 42-52.—Warman, W. M., & Spray, R. S. A fatal case of infantile Pfeiffer's bacillus (Hemophilus influenzae) meningitis. West Virginia M. J., 1936, 32: 269-72.—Williams, J. W. Influenza meningitis and peritonitis. Am. J. Dis. Child., 1934, 48: 840.—Winters, K., & Greenhal, R. M. Influenza meningitis; report of 2 cases. Arch. Pediat., N. Y., 1943, 60: 69-74.—Wright, J., & Ward, H. K. Studies on influenza meningitis; influenza; the problem of virulence and resistance. J. Exp. M., 1932, 55: 235-46.

Nervous system: Meningitis: Treatment.

- Aballi, A. J. Meningitis a Hemophilus influenzae curada por sulfatiazol. Bol. Soc. cubana pediat., 1940, 12: 349-54.—Appelbaum, E. Influenza bacillus meningitis with recovery. N. York State J. M., 1935, 35: 215.—Arnett, J. H., Shoup, G. D., & Henry, N. W. Influenza meningitis treated with sulfapyridine; bilateral ureteral obstruction, uremia, recovery. Am. J. M. Sc., 1940, 200: 674-7, pl.—Bass, M. H. Influenza meningitis; recovery in a girl aged 8 years. J. Mount Sinai Hosp. N. York, 1940-41, 7: 19-25.—Baumgartner, M. M., & Nuzum, T. O. Influenza meningitis treated with sulfanilamide and spinal drainage; recovery. Wisconsin M. J., 1941, 40: 579.—Bloom, C. J. Influenza meningitis is amenable to treatment. N. Orleans M. & S. J., 1930-31, 83: 455-67.—Brick, I. B. Influenza meningitis; evaluation of therapy and use of sulfadiazine. Med. Ann. District of Columbia, 1942, 11: 214-8.—Bridgeman, M. L., & Bissett, R. A. Influenza meningitis; recovery in an 8-year-old child. Northwest M., 1938, 37: 388.—Brown, C. W. Influenza meningitis; report of a case with recovery. Connecticut M. J., 1942, 6: 926.—Brown, J. E., jr., Emswiler, H. D., & Reck, L. E. Influenza meningitis with recovery; treatment with mastoidectomy, sulfanilamide and continuous spinal drainage. Arch. Otolaryng., Chic., 1939, 29: 860-4.—Bryan, M. S., & Musser, J. H. Influenza meningitis; the successful treatment of a case in an infant. N. Orleans M. & S. J., 1941-42, 94: 188-90.—Burns, R. M. Influenza meningitis. Med. Times, N. Y., 1942, 70: 8-10.—Cibils Aguirre, R., Alzaga, S. de, & Calcarani, J. R. Meningitis gripal en un lactante; curada por las sulfamidias. Arch. argent. pediat., 1940, 13: 469-81.—Cohn, I. Influenza meningitis; report of a case with recovery. Arch. Surg., 1937, 34: 398-409.—Dingle, J. H., & Seidman, L. R. Specific polysaccharide as cutaneous test for evaluation of serum therapy in influenza bacillus meningitis. Proc. Soc. Exp. Biol., N. Y., 1941, 46: 34-6.—Duncan, D. H., & Webb, C. H. Recovery from influenza meningitis; case report. J. Pediat., S. Louis, 1934, 4: 216-8.—Eldahl, A. [Pfeiffer meningitis treated by sulfanilamid preparation (Streptamid Leo)] Ugeskr. laeger,

- 1939, 101: 83.—Faust, O. A., & Stein, R. Influenzal meningitis treated by forced spinal drainage and transfusion; report of case with recovery. Arch. Pediat., N. Y., 1935, 52: 743-8.—Fothergill, L. D. Influenzal meningitis and its specific treatment with antiscum and complement. Proc. Interst. Postgrad. M. Ass. N. America, 1933, 319-23. — Hemophilus influenzae (Pfeiffer bacillus) meningitis and its specific treatment. N. England J. M., 1937, 216: 587-90.—Gordon, C. H. A case of mastoiditis and influenza meningitis; recovery. Maine M. J., 1938, 29: 65-7.—Goris, C. Un cas de grippe compliquée de sinusite; guérison apparente suivie de méningite. Ann. Inst. chir. Bruxelles, 1927, 28: 82.—Halbertsma, T. [Case of meningitis, caused by influenza bacilli and cured by sulfanilamid therapy] Mschr. kindergeneesk., 1938-39, 8: 273-80.—Hamilton, T. R., & Neff, F. C. Influenzal meningitis with bacteremia treated with sulapyridine; recovery. J. Am. M. Ass., 1939, 113: 1123-5.—Harold, J. T. Pfeiffer bacillus meningitis; recovery with chemotherapy. Lancet, Lond., 1941, 2: 308.—Jacobsen, A. W., & Nefer, E. Haemophilus influenzae meningitis; a case in which recovery occurred. Am. J. Dis. Child., 1940, 60: 363-7.—Jacoby, N. M. Pfeiffer's bacillus meningitis; recovery with chemotherapy. Lancet, Lond., 1941, 2: 753.—Johnson, F. C. Influenzal meningitis; report of a recovery. J. M. Soc. N. Jersey, 1932, 29: 311-3.—Kerman, W. Two recoveries from influenza meningitis. Am. J. Dis. Child., 1942, 64: 566. Also Proc. Inst. M. Chicago, 1942-43, 14: 225.—Lafora, G. R. Paraplegia post-gripal por meningitis serosa circumscribita; curación por la punción lumbar. Arch. neurol., Madrid, 1922, 3: 32-42.—Lindsay, J. W., Rice, E. C., & Selinger, M. A. The treatment of meningitis due to Hemophilus influenzae, Pfeiffer's bacillus; a review of 108 cases. J. Pediat., S. Louis, 1940, 17: 220-7.—Mackenzie, J. C. H., Page, A. P. M., & Ward, E. M. Pfeiffer bacillus meningitis unsuccessfully treated by chemotherapy. Lancet, Lond., 1940, 1: 785.—McLean, C. C., Woods, A. W., & Henderson, H. H. Pfeiffer bacillus meningitis; the cure of a case with sulapyridine. Ann. Int. M., 1940-41, 14: 331-3.—Montestruc, E., Palmas, M. de, & Garcin, D. Méningite à bacille de Pfeiffer à la Martinique; traitement par l'α p-aminophényl-sulfamido-pyridine; guérison. Bull. Soc. path. exot., Par., 1938, 31: 893-7.—Neal, J. B., Jackson, H. W., & Appelbaum, E. Meningitis due to the influenza bacillus of Pfeiffer (Hemophilus influenzae) a study of 111 cases, with 4 recoveries. J. Am. M. Ass., 1934, 102: 513-8. — Sulapyridine and its sodium salt in the treatment of meningitis due to the Pneumococcus and Haemophilus influenzae. Ibid., 1940, 115: 2055-8.—Nedelmann, E. Pneumatocele conjunctivae als Folge einer Liquorauflösung bei einem Fall von Influenza-bacillen-Meningitis. Zschr. Kinderh., 1927, 43: 352-5.—Needles, W. Influenzal meningitis with recovery. J. Am. M. Ass., 1932, 99: 1342.—Patterson, R. A., & Crumpton, R. C. Influenza meningitis treated successfully with sulfathiazole. J. Iowa M. Soc., 1941, 31: 433.—Poortman, H. M. C. [Cured case of meningitic influenza] Mschr. kindergeneesk., 1935, 4: 342-6.—Povitzyk, O. R. Immune serum and rontosis; combined treatment for protection of the mouse against fatal dose of Hemophilus influenzae meningitis. N. York State J. M., 1937, 37: 1748-50.—Ramón Guerra, A. U. Meningitis aguda por bacilo de Pfeiffer; sulfamidopiridina; curación. Arch. argent. pediat., 1940, 14: 562.—Rittenberg, B. B. Influenzal meningitis; report of a case with complete recovery. J. Am. M. Ass., 1934, 102: 1674.—Roberts, R. W. Mixed influenza-bacillus-staphylococcus meningitis cured with sulfonamide therapy. North Carolina M. J., 1941, 2: 494.—Roche, E. H., & Caughey, J. E. Influenzal meningitis treated with M. & B. 693; report of 2 cases. Lancet, Lond., 1939, 2: 637-8.—Schwinger, A. Influenzal meningitis; report of a case of recovery. J. Med., Cincin., 1941-42, 22: 196.—Influenzal meningitis; review of treatment of 14 children with type B influenza bacillus meningitis. Ohio M. J., 1942, 38: 835-7.—Scott, E. P., & Bruce, J. W. Influenzal meningitis; report of a case with recovery. J. Pediat., S. Louis, 1942, 20: 499-502.—Scully, J. P., & Menten, M. L. Treatment of influenza meningitis with antinfluenzal rabbit serum and sulapyridine. Ibid., 21: 198-206.—Spekter, I. Influenzal meningitis with recovery; use of anti-influenzal serum. Am. J. Dis. Child., 1936, 51: 614-7.—Stribley, H. A. Continuous subarachnoid drainage for influenza meningitis. J. Iowa M. Soc., 1936, 26: 300-3.—Tallerman, K. H. Influenzal meningitis with complete recovery. Proc. R. Soc. M., Lond., 1936-37, 30: 707.—Taylor, H. W. Treatment of a case of influenza meningitis with immune serum and sulfanilamide. Arch. Pediat., N. Y., 1938, 55: 131-4.—Towsley, H. A. Influenzal meningitis treated with anti-influenzal serum; report of a case. Am. J. Dis. Child., 1935, 49: 1376-8.—Ward, H. K., & Fothergill, L. E. D. Influenzal meningitis treated with specific antiscum and complement; report of 5 cases. Ibid., 1932, 43: 873-81.—Ward, H. K., & Wright, J. Studies on influenza meningitis; the problems of specific therapy. J. Exp. M., 1932, 55: 223-34.—Watson-Williams, E. Influenzal meningitis in an adult with recovery. Lancet, Lond., 1937, 2: 1430.—Weyers, W. A. M. [Influenza bacillus meningitis and treatment by Dugénan] Ned. tsehr. geneesk., 1939, 83: 4800.—White, G. E. Influenzal meningitis treated with anti-influenza bacillus serum. Canad. M. Ass. J., 1935, 34: 163-5.—Wigers, F. [Case of Pfeiffer's meningitis with recovery] Nord. med., 1939, 1: 919.—Wilke, F. H. Report of a case of bacillus influenzae meningitis with recovery after the administration of sulapyridine. Am. J. Dis. Child., 1940, 59: 447.—Wilkes-Weiss, D., & Huntington, R. W., jr. The treatment of influenza meningitis with immune serum. J. Pediat., S. Louis, 1936, 9: 462-6.—Williams, P. Influenzal meningitis with complete recovery. Brit. J. Child. Dis., 1941, 38: 22.—Williams, T. P. Influenzal meningitis with complete recovery. Proc. R. Soc. M., Lond., 1936-37, 30: 877.—Wilson, W. E. Influenzal meningitis; recovery following antihemophilus influenzae type B serum, rabbit, and chemotherapy. J. M. Ass. Alabama, 1940-41, 10: 298-301.—Woltmann, Aldrich & Reichert. Influenzal meningitis with recovery. Case Rep. Child. Mem. Hosp. Chicago, 1942, 1: No. 2, 17-9.—Young, R. H., & Moore, C. Influenzal meningitis; report of a case treated with anti-influenzal serum and sulphanilamide. Arch. Pediat., N. Y., 1938, 55: 282-7.
- Nervous system: Neuralgia and neuritis.
- HAENSEL [O. H.] G. *Ueber Neuritiden und Myelitiden nach Grippe [Leipzig] 34p. 23½cm. Zeulenroda, 1937.
- Frank, M. Ueber postgrippale Neuritis im frühen Kindesalter. Mschr. Kinderh., 1928, 38: 215-22.—Galli, W. Neuralgie influenzali. Gazz. osp., 1938, 59: 125-7.—Gérard, G. Névrite optique bilatérale avec plaques choroïdiennes diffuses d'origine grippale. Clin. opht., Par., 1926, 30: 132.—Gergely, B. Influenza und Neuritis. Deut. Zschr. Nervenh., 1931, 123: 294-313. Also Gyógyászat, 1931, 71: 707; 720.—Heimanovich, O. I. [Intracranial cranioneuralgic syndrome of the grippel] Radianska med., 1937, 2: No. 7, 4-7.—Kahoun, S. [Post-influenzal inflammation of the optic nerves] Cesk. ophth., 1937, 3: 109-16.—Motta, D. Manifestazioni nevritiche e neuralgiche post-influenzali. Riv. med., 1932, 40: 145-7.—Padovani, S. Un caso grave di nevrite ottica influenzale; esito in amaurosi. Rinasc. med., 1932, 9: 130.—Robitashvili, K. F. [Grippal affections of the optic nerve] Vest. oft., 1939, 15: No. 2, 76-9.—Russetski, J. Les polyradiculites post-grippales. Ann. méd., Par., 1934, 36: 142-6.—Sabatzky, K. Gehäufte Auftreten von Neuritis nervi optici als schnell vorübergehende Erkrankung bei und nach der Grippe. Klin. Mbl. Augenh., 1929, 82: 351-3.—Shenderov, L. A. [Neuromyelitis of the optic nerve due to influenza] Sovet. nevropat., 1932, 1: 639-45.—Villaverde, J. Las neuritis postgrippales. Arch. neurol., Madrid, 1920, 1: 23-44.—Weiss, C. Influenzaneuritis. Med. Welt, 1929, 3: 122-4.—Wilheim. Zur Behandlung der Grippeneuralgien. Fortsch. Ther., 1927, 3: 727.
- Nervous system: Paralysis.
- WALZ, K. *Ueber toxisch-infektiöse Stimm- bandlähmungen nach Grippe [Erlangen] 18p. 20½cm. Forchheim, 1938.
- Buljevich, L. P. Grippe; sinusitis maxilar; diplegia facial. Rev. As. méd. argent., 1932, 45: 1231-3.—López Albo, W. Diplegia facial periférica de origen grippal. Progr. clín., Madrid, 1919, 14: 140-3.—Rasim Adasal [Alternate grippal hemianesthesia] Askeri shihye mecmuasi, 1940, 69: 25-7.—Roy, J. N. A case of bilateral paralysis of the laryngeal abductors of influenza origin. Canad. M. Ass. J., 1936, 34: 427. Also J. Lar. Otol., Lond., 1936, 51: 167-71. Also Union méd. Canada, 1936, 65: 220-4.
- Nervous system: Psychosis.
- CUKIER, A. *Quelques considérations sur la dernière épidémie de grippe à la garnison de Bitché et, en particulier, ses complications neuropsychiatriques. 48p. 8° Par., 1935.
- KLEINST, K. Die Influenzapsychosen und die Anlage zu Infektionspsychosen. 54p. 8° Berl., 1920.
- Bolten, G. C. [Changes of character and permanent psychiatric disturbances after influenza] Ned. tsehr. geneesk., 1927, 71: pt 1, 1298-304.—Bouman, L., & Grünbaum, A. A. Eine Störung der Chronognosie und ihre Bedeutung im betreffenden Symptomenbild. Mschr. Psychiat. Neur., 1929, 73: 1-39.—Esteves Balado, L. Gripe en psiquiatría. Rev. As. méd. argent., 1934, 48: 958-64.—González, J. M. E. Demencia senil instalada consecutivamente a una infección grippal. Rev. psiquiat. crim., B. Air., 1937, 2: 181-6.—Graves, T. C. Influenza in relation to the onset of acute psychoses. J. Neur. Psychopath., 1928-29, 9: 97-112.—Health insurance: insanity attributed to influenza [Utah] J. Am. M. Ass., 1937, 108: 500.—Iankovsky, A. E. [Psychosis in grippel] Nevropat. psichiat., 1940, 9: No. 12, 43-9.—Kamman, G. R. Schizophrenic reactions following influenza. J. Am. M. Ass., 1930, 94: 1286-9.—Mendicini, A. I disturbi psichici in rapporto con l'influenza. Policlinico, 1927, 34: sez. med., 597-617.—Roubinovitch, J. Les psychoses grippales. Progr. méd., Par., 1933, 1603.—Rudinu, U. Sul delirio acuto da influenza. Morgagni, 1929, 71: 1589-99.—Scott, H. B. Psychoses following influenza. Kentucky M. J., 1930, 28: 229-38.—Sivadon, P. Phénomènes autoscopiques au cours de la grippe. Ann. méd. psychol., Par., 1937, 95: pt 2, 213-20.—Urechia, C. I. Les psychoses grippales. Ibid., 1933, 91: pt 1, 455-71. Nouvelle note relative aux psychoses grippales. Ibid., 1938, 96: pt 2, 22-30.—Varela de Seijas, E. Trastornos mentales

post-gripales. An. Hosp. S. José, Madr., 1930-31, 2: 175.—**Veras, S.** Manifestations nerveuses au cours de la grippe chez les enfants; cas de mutisme. Arch. méd. enf., 1928, 31: 27-30.—**Vyiasnovsky, A. I.** [Clinical-anatomical study of grippal psychoses] Klin. med., Moskva, 1940, 18: No. 2: 59-64.—**Ziman, R. M.** [Influenza and endogenic mental disturbances] J. neuropat. psikiat., Moskva, 1928, 21: 43-57.—**Ziveri, A.** Commento su di un'autoosservazione di allucinosi visiva da infezione grippale. Cervello, 1933, 12: 103-22.

— Pathology [and pathogenesis]

DANIELOU, L. *Du rhume banal à l'influenza épidémique. 54p. 24½cm. Par., 1939.

FACEN, J. Sulla condizione patologica essenziale del morbo grippale. 16p. 21cm. Venez., 1843.

WERDT, F. VON. Pathologisch-anatomische und histologische Beiträge zur Kenntnis der sogenannten Spanischen Grippe [etc.] 110p. 8: [Bern, 1921]

Babes, V. L'influenza, les bronchites, l'infection hémorrhagique et sur les streptocoques. Roumanie méd., 1894, 2: 177-81.—**Bacmeister, T.** Pathology of influenza. J. Am. Inst. Homoeop., 1926, 19: 7-11.—**Baize, P.** Le problème pathogénique de la grippe. Gaz. hôp., 1928, 101: 421-5.—**Beitzke, H.** Ueber die pathologische Anatomie der Grippe. Münch. med. Wschr., 1934, 81: 125-7.—**Deleito, F. G.** Ampliaciones y comentarios últimos a este capítulo de patología infecciosa. Siglo méd., 1933, 91: 523-5.—**Hoesslin, H. von.** Begrenzung des Begriffes grippaler Infekt bei Erkältungskrankheiten der oberen Luftwege. Med. Klin., Berl., 1936, 32: 1727-9.—**Hurst, J. H.** The relationship of influenza and epidemic encephalitis. Med. Bull. Veterans Admin., 1934, 11: 110-34.—**Klemperer, P.** Pathology of influenza. Health Exam., N. Y., 1936, 5: No. 11, 7-12.—**Lauche, A.** Die pathologische Anatomie der Grippe. Med. Welt, 1933, 7: 1665-7.—**Löwenthal, K.** Die pathologische Anatomie der Grippe. Ibid., 7: 258-60.—**Longley, J. D. B.** Just a touch of the flu. Middlesex Hosp. J., 1941, 41: 25.—**Opie, E. L.** The pathology anatomy of influenza: based chiefly on American and British sources. Arch. Path., Chic., 1928, 25: 285-303.—**Pons, C. A.** Pathogenesis and pathology of influenza. Clin. Med., 1942, 49: 269-71.—**Vivoli, D.** Anatomia patologica de la gripe. Rev. As. méd. argent., 1934, 48: 939-53.—**Williatte, P.** Quelques remarques pathogéniques et épidémiologiques concernant la grippe. J. sc. méd. Lille, 1921, 39: pt 2, 201; 217; 238.

— Pathology, comparative.

See also subheading (experimental) also **Influenza virus.**

Andrews, C. H., Edwards, J. T. [et al.] Influenza in man and animals. Proc. R. Soc. M., Lond., 1934-35, 28: 941-50. Also Brit. M. J., 1935, 1: 495.—**Aygun, S. T., & Aygun, K. S.** Experimentelle und pathologisch-anatomische Studien über Pleuro-Pneumonia contagiosa caprae in Anatolien und ihre Beziehungen zur menschlichen Grippe. Schweiz. Zschr. Path. Bakt., 1942, 5: 216-25.—**Bemelmans, E.** Vergleichende Untersuchungen über das Wesen der Grippe des Menschen, der sogenannten Bruststeeche (Grippe) des Pferdes und der Staupe (Grippe) des Hundes. Erg. allg. Path., 1932, 26: 612-710.—**Crofton, W. M.** Distemper and influenza. In his True Nature of Viruses, Lond., 1936, 83-104.—**Manwaring, W. H.** Feline influenza in man. California West. M., 1943, 58: 108.—**Nelson, J. B.** Reciprocal transmission tests with infectious catarrh of chickens, mice, and rats. J. Exp. M., 1942, 76: 253-62.—**Oriconi, A.** Relations de la grippe avec les septiémies hémorragiques; essais de transmission expérimentale. Rev. path. comp., Par., 1919, 19: 252-6.—**Schmidt, P.** Influenza bei Mensch und Tier. Med. Welt, 1936, 10: 1437-9.

— Pharmacology.

Adamson, J. D., & Flett, R. O. The inefficacy of sulapyridine in influenza. Canad. M. Ass. J., 1942, 46: 121-3.—**Climenko, D. R., Crossley, M. L., & Northey, E. H.** The protective action of certain sulfanilamide derivatives in experimental influenza infections. J. Am. M. Ass., 1938, 110: 2099.—**The influence of disulfanilamide on experimental influenza infections.** J. Pharm. Exp. Ther., 1939, 67: 201-11.—**Guyton, J. S.** Effects of sulfanilamide and sulapyridine on the Koch-Weeks bacillus, Haemophilus influenzae. Arch. Ophth., Chic., 1940, 23: 1243-51.—**Novak, M., & Lacy, A. M.** Relative in vitro effects of the sulfonamides on Hemophilus influenzae. J. Pediat., S. Louis, 1942, 21: 321-4.—**Perez, M.** Virus influenzale e preparati sulfamidici. Boll. Soc. ital. biol. sper., 1939, 14: 536-8.

— porcine.

See also **Influenza virus.**

FRIED, E. *De la maladie des porchers. 64p. 24½cm. Par., 1938.

KIRCHENBAUER, H. [K.] *Die Stellung des Bacterium influenzae suis im System der hämoglobophilen Bakterien und sein Vorkommen bei Schwein, Schaf und Rind. 24p. 8° Lpz., 1933.

Also Zschr. Infektkr. Haustiere, 1933-34, 45:

MOTE, J. R. Human and swine influenzas. p.429-516. 24cm. Cambr., 1940.

Agapov, S. I. [Epizootology and epidemiology of influenza in swine and influenza in man] J. mikrob., Moskva, 1937, 18: 478-81.—**Béclère, A.** L'influenza épidémique et l'épizootie porcine, ou hog flu. Presse méd., 1937, 45: 73-6.—**Blakemore, F., & Gledhill, A. W.** Swine influenza in the British Isles. Proc. R. Soc. M., Lond., 1940-41, 34: 611-8.—**Some observations on an outbreak of swine influenza in England.** Vet. Rec., Lond., 1941, 53: 227-30.—**Bocca, C. R.** Un cas de méningite bénigne des porchers. Lyon méd., 1936, 158: 730-3.—**Charleux, G.** La méningite bénigne des porchers. Ibid., 157: 650-7.—**Daubney, R.** Swine influenza. Med. Press & Circ., Lond., 1939, 201: 231-6.—**Dobberstein.** Die pathologische Anatomie der Ferkelgrippe. Deut. tierärztl. Wschr., 1936, 44: 850.—**Donatien, A., & Lestoquard, F.** L'influenza du porc en Algérie. Bull. Acad. vét. France, 1939, 12: 169-74.—**Earthworms as carriers of swine influenza.** J. Am. M. Ass., 1939, 113: 325.—**Eber, A., & Meyn, A.** Beitrag zur infektiösen Rhinitis (Schwüfflerkrankheit) der Schweine. Acta path. microb. scand., 1934, Suppl. 18, 86-103.—**Gaitandzhiev, G.** Influenza bacteria carriers in swine influenza; presence in healthy slaughtered pigs. Vet. Bull., Lond., 1941, 11: 765.—**Glässer.** Zum Schweinegrippeproblem. Deut. tierärztl. Wschr., 1939, 47: 209-12.—**Swine influenza.** Vet. Bull., Lond., 1942, 12: 21 (Abstr.).—**Hadorn, W.** Beiträge zur Kenntnis der Maladie des jeunes porchers. Schweiz. med. Wschr., 1938, 68: 375-8.—**Hofferber, O.** Ein erfolgreicher Versuch zur Bekämpfung der Ferkelgrippe. Berl. tierärztl. Wschr., 1934, 50: 452-4.—**Jordan, C. F.** Human and swine influenza. J. Iowa M. Soc., 1935, 25: 557.—**Köbe, K.** Die Ferkelgrippe. Deut. tierärztl. Wschr., 1934, 42: 603-6.—**Krembs, J.** Histopathologie der Ferkelgrippe. Arch. wiss. prakt. Tierh., 1938, 73: 387-98.—**Lewis, P. A., & Shope, R. E.** Swine influenza; a hemophilic bacillus from the respiratory tract of infected swine. J. Exp. M., 1931, 54: 361-71, pl.—**Radtke, G.** Zur Diagnose Ferkelgrippe und Paratyphus der Schweine. Berl. tierärztl. Wschr., 1937, 53: 113-6.—**Ridala, V.** Further experiments on the control of swine influenza. Vet. Bull., Lond., 1942, 12: 211 (Abstr.).—**Rosenbusch, C. T.** Some studies on swine influenza; comparative study of Hemophilus influenzae suis and Hemophilus influenzae; antibody response to experimental swine influenza. Ibid., 1941, 11: 766.—**Shope, R. E.** The antibody response to swine influenza. J. Exp. M., 1939, 69: 499-505.—**Rucks, W.** Consideraciones sobre un caso sospechoso de hog-flu. Rev. med. vet., B. Air., 1942, 24: 339-46.—**Shanks, P. L.** Treatment of influenzal arthritis in pigs with M & B 693. Vet. J., Lond., 1939, 95: 429-32.—**Shope, R. E.** Swine influenza; experimental transmission and pathology. J. Exp. M., 1931, 54: 349-59, 3 pl.—**Swine influenza; filtration experiments and etiology.** Ibid., 373-85.—**Studies on immunity to swine influenza.** Ibid., 1932, 56: 575.—**Swine influenza; studies on contagion.** Ibid., 1934, 59: 201-11.—**The influenzas of swine and man.** Harvey Lect., Balt., 1935-36, 31: 183-213. Also Medicine, Balt., 1936, 15: 453-87.—**The effect of Hemophilus influenzae suis vaccines on swine influenza.** J. Exp. M., 1937, 66: 169-75.—**Tarasenkow, I. V.** [Influenza of swine] Sovet. vet., 1939, 16: 39-41.—**Terpstra, J. I.** [Origin of influenza in pigs in the Netherlands] Tsch. diergeneesk., 1935, 62: 177-86.—**Urech, E., & Pache, H. L.** Maladie des jeunes porchers et grippe humaine; recherches expérimentales. Rev. méd. Suisse rom., 1938, 58: 847-53.—**Verge, J., & Lance, H.** La grippe des porcelets. C. rend. Acad. sc., 1934, 198: 1276-8.—**Verge, J., & Leclainche, X.** Maladie des porchers; grippe des porcelets et grippe humaine. Paris méd., 1937, 103: 187-9.—**Vogt, V.** Zur Frage der Resistenz des wildfarbigen Müncheberger Hauschweines gegen die Ferkelgrippe. Berl. tierärztl. Wschr., 1935, 51: 765-8.—**Experimenteller Beitrag zur Kontaktübertragung der Ferkelgrippe und ihrer Bekämpfung mit hygienischen Massnahmen.** Deut. tierärztl. Wschr., 1936, 44: 355-8.—**Wahl, F.** Anämie und Ferkelgrippe. Berl. tierärztl. Wschr., 1935, 51: 385-91.—**Waldmann, O.** Die Aetologie des Ferkelkümmerns; die Ferkelgrippe. Ibid., 1933, 49: 693-7, pl.—**Köbe, K.** Diagnose, Verbreitung und Verbreitungswege der Ferkelgrippe. Ibid., 1935, 51: 381-5.—**Waldmann, O., & Radtke, G.** Erster Bericht über Erfolge der Bekämpfung der Ferkelgrippe durch die Riemsar Einzelhüttenanlage. Ibid., 1937, 53: 241-6.

— Prevention.

See also subheadings (Control; Immunization)

Arkema, N. H. [Value of quinine as influenza preventive] Ned. tsschr. geneesk., 1937, 81: 3023-8.—**Bagdasarian, S.** [Chlorine prophylaxis of influenza] Voenn. san. delo, 1937, No. 11-12, 93-8.—**Bak6, J.** [Cod liver oil in prevention of Quinine as a prophylactic in influenza. J. Florida M. Ass., 1941-42, 28: 383-5.—**Bemelmans, E.** Die Grippe, ihr Wesen und ihre Bekämpfung. Schweiz. med. Wschr., 1933, 63: 691-6.

- Experiments proposed to solve definitely the influenza-problem. Antoni van Leeuwenhoek, 1935, 2: 85-105.—**Berger, W., & Schnetz, H.** Möglichkeiten der Grippeprophylaxe. Ther. Gegenwart, 1935, 76: 481-8.—**Bergmann, J.** Beobachtungen über Grippebeschütz durch Chinin und Kampfer. Hippokrat, Stuttgart, 1939, 10: 1223.—**Besarović, M.** Zur Bekämpfung der Grippe. Med. Klin., Berl., 1927, 23: 442.—**Better** protection from flu foreseen in new discovery. Science News Lett., 1940, 38: 291.—**Bickel, B.** In how far is prophylaxis of influenza possible? Internat. Clin., 1929, 39, ser., 2: 296.—**Blondel, R.** Traitement abortif et prophylaxie de la grippe par la voie oculo-nasale. Bull. Acad. méd., Par., 1928, 3, ser., 99: 255-9.—**Camredon, S.** Peut-on se préserver de la grippe? Rev. méd. est, 1935, 63: 192.—**Cefaly, A.** Profilassi dell'influenza. Rinasce, med., 1938, 15: 817.—**Copeman, S. M.** The prevention of influenza. Lancet, Lond., 1929, 1: 451.—**Dansey-Browning, G.** A study on the prevention of influenza. J. R. Army M. Corps, 1931, 57: 187-96.—**Donaldson, A. N.** How to fight the flu. Good Health, 1941, 76: 38-40.—**Ender, A.** [Prophylactic influenza measures] Vrach. gaz., 1927, 31: 1285.—**Fabinyi, G.** [Prophylactic of nose and larynx during the influenza epidemic in 1929] Budapesti orv. ujs., 1929, 27: 1007-10.—**Filippini, A.** L'influenza (note di epidemiologia e profilassi) Ann. igiene, 1929, 39: 130-6.—**Fusco, A.** Attuali vedute sulla eziologia dell'influenza e profilassi ospedaliere. Terapia, Milano, 1940, 30: 21-31.—**Garino, J. R.** Etiología y profilaxis de la grip; concepto actual. Rev. san. mil., B. Air., 1928, 27: 5-14.—**Germicidal gas.** J. Am. M. Ass., 1942, 118: 734.—**Gieszczykiewicz, M.** [Epidemiology and prevention of influenza] Polska gaz. lek., 1932, 11: 761-6.—**Groulx, A., & Gervais, J. H.** Epidemiology and prevention of influenza, la grippe. Bull. hyg., Montreal, 1941, 27: 1-17.—**Groznaia, A. S.** [Administration of small doses of iodine for prevention of grippe in school children] Peditaria, Moskva, 1942, No. 5, 38.—**Gubinsky, A. M.** [Prevention of epidemic influenza] Sovet. med., 1937, No. 5, 31-3.—**Harris, H. M.** Gauze masks in prophylaxis against influenza. Brit. M. J., 1940, 2: 610.—**Influenza; measures for its prevention.** Lancet, Lond., 1929, 1: 79.—**Influenza prophylaxis.** Ibid., 1941, 1: 47.—**Jürgens, A.** [Etiology and prevention of influenza] Militarlag, 1929, 35: 35-53.—**Kerr, F. R.** Influenza; its epidemiology and prevention. Med. J. Australia, 1927, 1: 747-50.—**Klotz, R.** Grippe-rekonvaleszenz und Prophylaxe. Med. Welt, 1930, 4: 1860.—**Komendantov, L. E.** [Chlorine inhalations in influenza] Sovet. vrach. gaz., 1934, 38: 302-5.—**Kress, H.** Die Kressotprophylaxe der Grippe und verwandter Infektionen. Fortsch. Ther., 1928, 4: 389-91.—**Lipkovich, I. G.** [Prevention of influenza] Sovet. vrach. J., 1936, 1: 1503-8.—**Lombardo, F.** Vapori di soluzione iodo-iodurata come profilassi e terapia della influenza. Riforma med., 1926, 42: 1011.—**Marchoux, E.** Prophylaxie de la grippe par le port d'un masque. Bull. Acad. méd., Par., 1929, 3, ser., 101: 189-92.—**Oetiker, A.** Versuch einer Grippeprophylaxe. Deut. med. Wschr., 1933, 59: 1131.—**Pedley, F. G.** Influenza. Canad. M. Ass. J., 1941, 44: 292.—**Peruzzi, M.** Sull'epidemiologia e la profilassi dell'influenza. Ann. med. nav., Roma, 1929, 35: pt. 1, 59-61.—**Pettit, H., & Stokes, J., jr.** The present status of the prevention and treatment of influenza. Am. J. M. Sc., 1937, 193: 423-5.—**Robertson, O. H., Loosli, C. G.** [et al.] The protection of mice against infection with air-borne influenza virus by means of propylene glycol vapor. Science, 1941, 94: 612.—**Romary, L.** La grippe et sa prévention. Clinique, Par., 1931, 26: 51-6.—**Rosenberg, N. K.** [Certain characteristics of epidemiology, pathology and prevention of influenza] Sovet. vrach. gaz., 1934, 38: 182-7.—**[Chlorine prevention of influenza]** Ibid., 187-90.—**Rosenow, E. C.** Observations on the cause and prevention of influenza and influenzal pneumonia. Minnesota M., 1929, 12: 366-8.—**Rossiisky, D. M.** [Prevention of influenza] Sovet. vrach. J., 1937, 2: 431-5.—**[Prophylaxis and therapy of influenza]** Vrach. delo, 1937, 19: 187-98.—**[Medicinal prophylaxis of the grippe]** Kazan. med. J., 1940, 36: No. 4, 85-7.—**Also** Sovet. med., 1940, No. 16, 14-6.—**Schmidt, P.** Ueber Epidemiologie und Prophylaxe der Grippe (Influenza vera) Med. Welt, 1936, 10: 1717-9.—**Schnurman, A. G.** Quinine as a prophylactic against influenza; a study of 6,500 quinquinized and 6,500 non-quinquinized individuals during the influenza epidemic of January, 1941. Virginia M. Month., 1941, 68: 341.—**Schütz, H.** Dermatologie und Grippe. Med. Welt, 1939, 13: 1506-10.—**Schuermans Stekhoven, W.** [Prevention of influenza] Geneesk. gids, 1933, 11: 213-8.—**Schwarze.** Prophylaktische Behandlung des Waldeyerischen Rachenrings und der Nase gegen Grippe. Med. Welt, 1934, 8: 258.—**Seitz, J.** Mentopin, der Grippebeschütz. Fortsch. Ther., 1928, 4: 191-4.—**Shawalter, A. M.** Effects of quinine as a prophylactic versus influenza and probable reason. Virginia M. Month., 1941, 68: 15-20.—**Smorodincev, A. A.** Etiologia, patogenia e profilaxia da gripe epidêmica à luz dos novos conhecimentos. Gaz. clín., S. Paulo, 1941, 39: 47-52.—**Spitta, O.** Ist peroral verabfolgtes Chinin ein Vorbeugungsmittel gegen Grippe? Deut. med. Wschr., 1933, 59: 86-8.—**Der Schutz gegen Grippe.** Reichsgesundh., 1936, 11: 860-3.—**Ueber** das Chinin als Vorbeugungsmittel gegen Erkrankungen an Grippe (Influenza) Schweiz. med. Wschr., 1937, 67: 452-4.—**Stokes, J., jr., & Henle, W.** Studies on methods of prevention of epidemic influenza. J. Am. M. Ass., 1942, 120: 16-20.—**Stürup, J.** Influenzabekämpfung. Ugeskr. læger, 1927, 89: 97.—**Sulkis, S. E., & Edwards, J. C.** Prophylaxis in epidemic influenza. J. Missouri M. Ass., 1942, 39: 33-6.—**Szale, D.** [Prevention of influenza] Orv. hetil., 1935, 79: mell., 33.—**Terekhov, P.** [Four-years' experience with chlorine prophylaxis of influenza] Voen. san. delo, 1937, No. 8, 45.—**Tigges, W.** Zur Grippeprophylaxe. Deut. med. Wschr., 1937, 63: 396.—**Trebinskaia, E. N.** [Therapeutic prophylaxis of the grippe] Vrach. delo, 1938, 20: 539.—**Vaccarezza, R. F., & Battaglia, M. I.** Profilaxis maritima da gripe. Sem. méd., B. Air., 1934, 41: pt. 1, 1357-62.—**Vendel, S. N.** Influenza-Prophylaxe. Ugeskr. læger, 1927, 89: 98.—**Vilenkin, L. J.** [Prevention and treatment of influenza] Klin. med., Moskva, 1931, 9: 1182-4.—**Wolter, F.** Grippe und Influenza; ihre Aetiologie und Prophylaxe vom bakteriologischen und vom epidemiologischen Standpunkt. Med. Welt, 1937, 11: 241-4.
- **Problems and research.**
- GUÉRON, I.** *Contribution à l'étude de la grippe; étiologie, prophylaxie, traitement. 78p. 23½cm. Par., 1938.
- MILANO, ITALY. ISTITUTO SIEROTERAPICO MILANESE.** Atti della Riunione per lo studio dell'influenza, tenutasi in Milano nei giorni 27-28 Aprile 1919. 172p. 26cm. Milano, 1919.
- PITTSBURGH, PA. UNIVERSITY. SCHOOL OF MEDICINE.** Studies on epidemic influenza comprising clinical and laboratory investigations. 294p. 4° Pittsb., 1919.
- Borevskaia, B. D., Gubergitz, A. J., & Lukantzev, L. S.** [Material for study of the grippe] Klin. med., Moskva, 1940, 18: No. 9, 127-33.—**Crookshank, F. G.** Some problems: influenza. Mil. Surgeon, 1926, 59: 284-90.—**Dreguss, M.** [The influenza problem, present position] Népegésségügy, 1939, 20: 291-9.—**Eaton, M. D.** Studies on influenza. Week. Bull. California Dep. Pub. Health, 1941-42, 20: 5-7.—**Fortunato, A.** Il problema dell'influenza. Rinasce, med., 1940, 17: 134.—**Francis, T., jr.** Present trends in the study of epidemic influenza. Advance. Int. M., N. Y., 1942, 1: 169-82.—**[Grippe]** In: Otech nauch. deist. (Vsesoiuz. inst. eksp. med.) Moskva, 1940, 81-8, pl. 60: 157-8.—**Gundel, M.** Grippeprobleme. Deut. med. Wschr., 1934, 60: 157-8.—**Linden, H.** Experimentelle und epidemiologische Studien zum Influenza-problem. Arch. Hyg., Berl., 1930, 105: 133-67.—**Haagen, E.** Das Influenzaproblem. Deut. med. Wschr., 1940, 66: 89-93.—**Hallauer, C.** Ergebnisse der experimentellen Influenzaforschung. Schweiz. med. Wschr., 1937, 67: 835-8.—**Hamer, W.** The crux of epidemiology. Proc. R. Soc. M., Lond., 1931, 24: 1425-40.—**Horsfall, F. L., jr.** Recent studies in influenza. Am. J. Pub. Health, 1941, 31: 1275-80.—**The present status of the influenza problem.** J. Am. M. Ass., 1942, 120: 284-7.—**Hudson, N. P.** Recent studies in influenza. Proc. Postcolleg. Clin. Assemb. Coll. M. Ohio Univ., 1937, 4: 142.—**Influenza (L.)** stato odierno della questione. Policlinico, 1939, 46: 199-201.—**Jordan, E. O.** The present status of the influenza problem. Med. Off., Lond., 1926, 35: 27.—**Klotz, O., & Holman, W. L.** Studies on influenza. Am. J. M. Sc., 1936, 191: 426-46.—**Konchalovsky, M. P., & Pospelov, S. A.** [The problem of grippe from the view-point of recent data] Ter. arkh., 1941, 19: 300-4.—**Krueger, A. P.** Organization for studies on epidemic influenza; Laboratory Research Unit No. 1. U. S. Nav. M. Bull., 1942, 40: 378-88.—**Laboratory studies of influenza.** Week. Bull. California Dep. Pub. Health, 1940-41, 19: 133.—**McDonagh, J. E. R.** A correlative view of influenza. Med. Off., Lond., 1942, 67: 133; 141.—**Peters, J. T.** [Influenza problems] Geneesk. gids, 1936, 15: 571-6.—**Peiffer, R.** Das Influenzaproblem. Erg. Hyg. Bakt., 1922, 5: 1-18.—**Rimpau, W.** Das Grippeproblem in unserer Zeit. Münch. med. Wschr., 1937, 84: 1761-5.—**Smith, W.** The influenza problem. S. Mary Hosp. Gaz., Lond., 1937, 43: 112-20.—**Some recent investigations in influenza.** Med. J. Australia, 1942, 2: 381.—**Stercken, J.** Grundsätzliches zur Grippefrage. Zschr. ärztl. Fortbild., 1934, 31: 64.—**Stokes, J., jr., McGuinness, A. C.** [et al.] Further studies of epidemic influenza. Tr. Am. Pediat. Soc., 1938, 50: 38.—**Also** Am. J. Dis. Child., 1938, 56: 701.—**Stuart-Harris, C. H.** Current investigations of the influenza problem. J. R. Army M. Corps, 1941, 77: 123-34.—**Studies in colds and influenza.** Brit. M. J., 1936, 2: 29.—**Wiesner, R.** Bemerkungen zum Grippeproblem. Wien. klin. Wschr., 1929, 42: 443-7.—**Winter, Kritische** Betrachtungen zur Grippefrage. Med. Welt, 1933, 7: 1678.
- **Public health aspects.**
- Basora Defilló, J.** Influenza (la gripe) Bull. Dep. Health Puerto Rico, 1937, 1: 222.—**Crowe, W.** The bacteriology, treatment and control of influenza. J. State M., Lond., 1933, 41: 581-9.—**Jordan, E. O.** What we know of influenza and how we may add to our knowledge. Am. J. Pub. Health, 1930, 20: 130-6.—**Also** Med. Off., Lond., 1930, 43: 131-3.—**Michaud, L.** L'influenza. Bull. Eidg. Gesundheitsamt., 1933 [Beil., No. 3] 16-27 [Discussion] 28-43.—**Stähelin, R.** Ueber Influenza. Ibid., 3-15.—**What is influenza?** Med. Off., Lond., 1940, 63: 65.
- **Relation to tuberculosis.**
- GUGGENHEIM, R.** *Ueber Influenza bei Tuberkulösen [Basel] p.237-50. 8° Lpz., 1920.
- Also** Beitr. Klin. Tuberk., 1920, 44:

Amsler, R. Tuberculos pulmonaires et grippe. Arch. méd. Angers, 1933, 37: 65-8. — **Baumeister, A.** Gefahren grippiger Erkrankungen für latente Lungenerkrankungen. Deut. med. Wschr., 1934, 60: 1580-3. — **Bihler, R.** Ein Beitrag zu der Frage Grippe und Lungentuberkulose. Zschr. Tuberk., 1930, 31, 59: 334-8. — **Bordet, F.** Grippe et tuberculose. J. méd. chir., Par., 1930, 101: 690-702. — **Bufluo, V.** Linfadenite tubercolare epidemica post-influenzale. Rinasc. med., 1938, 15: 803. — **Buylla, A., & Lambeca, V.** Grippe y tuberculosis; la velocidad de sedimentación en los tuberculosos afectos de influenza. Med. ibera, 1932, 26: pt 1, 273. — **Campani, A.** L'influenza può lei stessa aprire la strada alla tubercolosi polmonare? Policlinico, 1935, 42: sez. prat., 1582. — **Chistovich, F. I.** [Pathogenesis of influenzal affections of the lungs] Sovet. vrach. J., 1938, 42: 567-72. — **Collis, E. L.** Tuberculosis and influenza in relation to the World War, 1914-18. Tubercle, Lond., 1939-40, 21: Suppl., 3-16. — **Fischl, F.** Ueber Provokation ulcero-tuberkulöser Hautprozesse durch Grippe. Wien. klin. Wschr., 1933, 46: 941. — **Gismondi, A.** Infezione influenzale e allergia tubercolinica. Prat. pediat., Milano, 1936, 14: 35-9. — **Held, A.** Die Infiltrierung in den Beziehungen zwischen Grippe und Lungentuberkulose. Beitr. Klin. Tuberk., Berl., 1933, 83: 97-111. — **Kogan, E. M., & Karlner, M. J.** [Influenza and tuberculosis] Vrach. delo, 1935, 18: 219-28. — **Loewenstein, B. P., & Gutman, S. I.** [Manifestations of pulmonary tuberculosis among influenza patients] Probl. tuberk., Moskva, 1937, No. 7, 83-91. — **Mandel, L.** Ueber den Einfluss der Grippe auf die klinische und hämatologische Gestaltung des Krankheitsbildes der Lungentuberkulose. Beitr. Klin. Tuberk., Berl., 1933-34, 84: 473-86. — **Mikhailov, F. A., & Lembersky, I. G.** [Mantoux' reaction in grippal affections] Probl. tuberk., Moskva, 1939, No. 7, 73-6. — **Mir, J., & Mendoza, R. G.** El pulmón en la gripe. Bol. Soc. cubana pediat., 1941, 13: 55-65. — **Montuschi, E.** Tuberculin skin tests in influenzal pneumonia. Brit. M. J., 1942, 2: 588. — **Pezangora, F.** L'hyperallergie tuberculique dans 4 cas de congestion pulmonaire apparentement grippale. Rev. tuberc. Par., 1936, 5, ser., 2: 215-21. — **Rubinstein, G. R., & Mandelstamm, F. M.** [Problem of the gripe in the clinical picture of tuberculosis] Klin. med., Moskva, 1940, 18: No. 10, 26-37. — **Schwalm, G.** Grippe und Tuberkulose. Deut. med. Wschr., 1929, 55: 97. — **Townsend, D.** Post-influenzal sequelae: special reference to lungs. Bull. Am. Acad. Tuberc. Physicians, 1911, 5: 60-3. — **Tuberculoze et gripe.** J. méd. chir., Par., 1937, 108: 74. — **Tumminello, B.** Infezione influenzale e tubercolosi polmonare. Gior. fisiol., 1937, 93-5. — **Viniansky, L. I.** [Significance of the gripe in the pathogenesis of tuberculosis] Probl. tuberk., Moskva, 1941, 19-24.

Respiratory tract [incl. thorax]

JUOZAPAVICIUS, K. *Contribution à l'étude de la gripe asphyxique. 65p. 8° Par., 1933.

Abramova, N. D. [Complications in the respiratory tract during influenza and latest therapy]. Vrach. delo, 1937, 19: 201-6. — **Burnand, R., & Babel, J.** Les aspects radiologiques du thorax dans la gripe. Rev. méd. Suisse rom., 1940, 60: 843-57. — **Cass, J. W., jr.** The question of influenza and atypical pneumonia. N. England J. M., 1936, 214: 187-93. — **Chiekering, H. T.** Influenza of the respiratory tract. In Dis. Resp. Tract. (N. York Acad. Med.) Phila., 1936, 151-60. — **Davies, I. J.** Influenza, acute infectious respiratory catarrh. Practitioner, Lond., 1941, 146: 208-10. — **Flandin, C., & Duchon, L.** L'action des lysats-vaccins polymicrobiens administrés par injection sous-cutanée ou par voie intranasale sur les manifestations et complications respiratoires de la gripe. Bull. Soc. méd. hôp. Paris, 1929, 3, ser., 53: 651-4. — **Hoesslin, H. von.** Ueber die Grippeerkrankungen der Luftwege und Lungen. Deut. med. Wschr., 1935, 61: 213-7. — **Neffson, A. H., & Bullowa, J. G. M.** Influenza with simultaneous bilateral spontaneous pneumothorax and subcutaneous emphysema; report of a case, with comment on the mechanism of production. Arch. Otolaryng., Chic., 1938, 28: 388-98. — **Piana, G. A.** Frequenza e caratteri di manifestazioni empiematose nel decorso di una epidemia influenzale. Atti Congr. pediat. ital., 1931, 14. Congr., pt 2, 625. — **Ramond, L.** La gripe à forme thoracique. In Conf. clin. méd., Par., 1935, 12, ser., 82-105. — **Ribadeau-Dumas, Gharib & Siguiet.** Accès d'apnée d'origine grippale; action du carbogène. Bull. Soc. pédiat. Paris, 1937, 35: 245-7. — **Sharp, E. A.** Acute influenza infection, an interpretation of mild respiratory diseases. U. S. Nav. M. Bull., 1929, 27: 360-6, 4 pl. — **Shaw, A. F. B.** The pathology of the respiratory system in influenza. Newcastle M. J., 1923-24, 4: 111-24, 4 pl. — **Wollenweber, M.** Spontanpneumothorax bei Grippe. Arch. Kinderh., 1930, 90: 222-4.

Sepsis, and bacteriemia.

GAVEL, R. [G. E.] von. *Ein Fall von Influenza-Meningitis und Influenza-Sepsis mit eitriger Gonitis durch Influenza-Bazillen [Jena] p.161-70. 8° Stuttgart, 1927.

Also Arch. Kinderh., 1926, 79:

KOBEL, W. *Ueber Influenza unter besonderer Berücksichtigung der Influenzabazillen-Meningitis und Sepsis. 26p. 22cm. Bonn, 1936.

Arauz, S. L., & Tato, J. M. Rara complicación de una otodactoiditis gripal; absceso sublingual parafaríngeo superior; parálisis del espinal; septicemia. Rev. As. méd. argent., 1933, 47: 2574-8. — **Benjamin, E. L.** Case of influenzal bacteremia in child 8 months old. Arch. Pediat., N. Y., 1931, 48: 340-2. — **Buehholz, L.** Zur Klinik der Influenzasepsis im Säuglingsalter. Mschr. Kinderh., 1927, 35: 31-6. — **Erber, N.** [Influenza septicemia] Genesck. tschr. Ned. Indij., 1937, 77: 666-76. — **Faure-Beaulieu & Lévy-Bruhl.** Septicémie à Haemophilus para-influenzae Pfeiffer. Bull. Soc. méd. hôp. Paris, 1939, 3, ser., 55: 1301-9. — **Fiessinger, N., Castéran, R., & Ibrahim, H.** De la streptococcémie au cours des congestions pulmonaires dites grippales. Ibid., 1927-28, 51: 651-6. — **Galante, E., & Robbio Campos, J.** Mastoiditis aguda gripal, meningitis inducida y septicemia. B. Air., 1936, 43: pt 2, 1013. — **Gavel, R. von.** Ein Fall von Influenzameningitis und Influenzasepsis mit eitriger Gonitis durch Influenzabazillen. Arch. Kinderh., 1926, 79: 161-70. — **Keefer, C. S., & Rammelkamp, C. H.** Hemophilus influenzae bacteremia; report of 2 cases recovering following sulfathiazole and sulfapyridine. Ann. Int. M., 1942, 16: 1221-7. — **Lechner, A., & Buetzel, A.** Ueber Influenzabazillensepsis. Münch. med. Wschr., 1927, 74: 1182. — **Monnier.** Ueber Influenzabazillen-Sepsis. Schweiz. med. Wschr., 1939, 69: 984. — **Navasquez, S. de.** Aente laryngitis and septicemia due to H. influenzae, type B. Brit. M. J., 1942, 2: 187. — **Vogelsang, T. M.** [Pyemia with meningitis and pyarthrosis caused by Pfeiffer's bacillus] Med. rev., Bergen, 1927, 44: 207-11.

Serology.

Bailey, C. H., & Shorb, M. S. Immunological studies of colds and influenza; complement fixation in influenza with Hemophilus influenzae and Bacterium pneumosintes. Am. J. Hyg., 1930, 11: 668-79. — **Bailey, G. H., Bourn, J. M., & Van Volkenburgh, V. A.** Immunological studies of colds and influenza; complement fixation with Hemophilus influenzae and the serum of an individual with an upper respiratory infection presumably caused by this organism. Ibid., 1931, 14: 453-60. — **Burnet, F. M., Cade, J. F. J., & Lush, D.** The serological response to influenza virus infection during an epidemic, with particular reference to subclinical infection. Med. J. Australia, 1940, 1: 397-401. — **Eaton, M. D., & Rickard, E. R.** Application of the complement-fixation test to the study of epidemic influenza. Am. J. Hyg., 1941, 33: Sect. B, 23-35. — **Foley, M., & Burnet, F. M.** Complement fixation in influenza with embryo fluid as antigen. Med. J. Australia, 1941, 2: 468-70. — **Franeis, T. jr., Magill, T. P. [et al.]** Etiological and serological studies in epidemic influenza. Am. J. Pub. Health, 1937, 27: 1141-60. — **Isida, I.** Studies on influenza and pneumonias of infants and children; serological researches, especially on agglutination and opsonin index against pneumococci in the patient's serum. Orient. J. Dis. Inf., Kyoto, 1932, 12: 5-7. — **Krueger, A. P., Rosenberg, L. E. [et al.]** The use of the red blood cell agglutination test in the study of influenza. U. S. Nav. M. Bull., 1943, 41: 114-28. — **Lubinski, H.** Studie zur Serologie der Influenza. Erg. Hyg. Bakt., 1923, 7: 229-94. — **Nigg, C., Crowley, J. H., & Wilson, D. E.** The use of chick embryo tissues and fluid as antigens in the complement fixation reaction in influenza. J. Immun., Balt., 1941, 42: 51-70. — **Smith, W.** The complement-fixation reaction in influenza. Lancet, Lond., 1936, 2: 1256-9.

Severity.

RAUCH, L. *Les formes graves de la gripe chez le nourrisson. 55p. 8° Par., 1928.

Buckley, J., & Behnke, A. R. Mild influenza. U. S. Nav. M. Bull., 1932, 30: 508. — **Gennari, P. C.** Alcuni casi di infezioni grippale grave. Osp. maggiore Novara, 1932, 9: 415-8. — **Pellegrini, F.** Su di una grave forma di influenza atipica. Morgagni, 1929, 71: 767-75.

Skin and appendages.

LEVIEFF, M. *Contribution à l'étude des manifestations éruptives de la gripe. 46p. 8° Par., 1934.

WESENBERG, G. *Ueber die Veränderungen an Haaren und Nägeln infolge von Grippe. 35p. 8° Bonn, 1920.

Barrad, G. Gripes éruptives. Rev. gén. clin. théor., 1936, 50: 614-6. — **Beller.** Universelles makulo-papulöses Exanthem nach Grippe mit Angina. Derm. Wschr., 1936, 102: 232. — **Cambessedès, H.** A propos des érythèmes de la gripe. Médecine, Par., 1933, 14: 953-7. — **Les érythèmes de la gripe au point de vue de la prophylaxie générale.** Ann. hyg., Par., 1934, n. ser., 12: 345-9. — **Castagna, P.** Su di una rarissima osservazione di mastite bilaterale da influenza. Rinasc. med., 1925, 2: 128-30. — **Derbandiker, M. O.** Ueber grippöse Hauteffloreszenzen. Acta derm. vener., Stockh., 1932-33, 13: 175-81. — **Dessy, G.** Sulle manifestazioni papulari cutanee nella influenza. Riforma med., 1937, 53: 815-9. — **Fedotov, V. M.** [Treatment of grippal exanthema] Kazan. med. J., 1939, 35: No. 5-6, 80-3. — **[Effect of gripe on the origin and course of diseases of the skin]** Vrach. delo, 1939, 21: 501-4. — **Frèche.** Alopecies grippales. Bull. Soc. méd. chir. Bordeaux, 1918, 154. Also Gaz. sc. méd. Bordeaux, 1919, 10: 80. —

Ghedini, G. Contributo clinico alla conoscenza delle affezioni cutanee influenzali. *Riforma med.*, 1910, 26: 1181-8.—**Glanzmann, E.** Zur Frage der Grippeexantheme. *Kinderärztl. Prax.*, 1935, 6: 306-12.—**Guillas & Oliver.** Erythème polymorphe au cours d'une grippe. *Echo méd. nord*, 1935, 3, ser., 3: 961.—**Hainiss, E.** Zur Frage der Grippeexantheme. *Kinderärztl. Prax.*, 1935, 6: 253-7.—**Hazen, H. H.** Post-influenzal alopecia. *J. Am. M. Ass.*, 1919, 72: 1452.—**Jordan, A.** Ueber Grippeausschläge. *Derm. Wschr.*, 1930, 91: 1011-4.—**Joseph, W.** Herpes zoster und Erythema exsudativum multiforme als Folgeerscheinungen der Grippe. *Deut. med. Wschr.*, 1929, 55: 657.—**Kleinschmidt, H., & Zischinsky, H.** Zur Frage der Grippeexantheme. *Kinderärztl. Prax.*, 1935, 6: 202-5.—**Komarov, A. N., & Baryshev, A. A.** [Cases of influenza with skin eruptions] *Vrach. gaz.*, 1929, 33: 29.—**Krivoviaz, M. L.** [Influenzal exanthema] *Vest. vener.*, 1937, 1122-5.—**Levin, O. L.** Post-influenza alopecia. *Med. Press & Circ.*, Lond., 1919, n. ser., 107: 471. Also *N. York M. J.*, 1919, 109: 409.—**Lortat-Jacob, L., & Solente.** Grippe et réactions cutanéo-muqueuses. *Presse méd.*, 1930, 38: 1205-7.—**Mantella, G.** Contributo clinico alle dermatosi pruriginose da influenza. *Rinasc. med.*, 1937, 14: 52.—**Mescherksky, G. I.** [Influenza and dermatoses] *Cesk. derm.*, 1931, 12: 230-4.—**Michaëlis, O.** Eruptions papuleuses grippales récidivantes de la face. *Bruxelles méd.*, 1933-34, 14: 247.—**Moncorps, C.** Dermatosomatitis eine Grippekomplikation. *Arch. Derm. Syph.*, Berl., 1926, 150: 104-6 [Schlusswort von Baader] 107-9.—**Motte, A.** Gangrène aiguë symétrique des extrémités post-grippale. *Gaz. méd. France*, 1939, 46: 649.—**Opitz, H.** Zur Frage der Grippeexantheme. *Kinderärztl. Prax.*, 1935, 6: 154-6.—**Pirlik, V. N.** [Characteristics of skin eruptions in influenza] *Vrach. delo*, 1938, 20: 377.—**Sabouraud, R.** Les alopecies post-fébriles: l'alopecie qui suit la grippe. *Paris méd.*, 1919, 31: 437-42.—**Sadovsky, P.** [Skin eruptions in influenza] *Vrach. gaz.*, 1928, 32: 16-8.—**Solente, G.** L'infection grippale et ses manifestations cutanées. *Prat. méd. fr.*, 1930, 11: 561-5.—**Thibierge, G.** L'alopecie post-grippale. *Rev. gén. clin. thé.*, 1919, 33: 1.—**Veinberg-Niklas, Y. Y.** [Skin eruption in influenza] *Vrach. gaz.*, 1931, 35: 940.—**Vignolo Lutati, C.** Sull'alopecia conseguente all'influenza. *Gazz. osp.*, 1919, 40: 260.—**Zürhelle, E.** Zur Kenntnis der Alopecia diffusa nach Grippe. *Deut. med. Wschr.*, 1919, 45: 543-5.

Surgical aspect.

BALHORN, F. *Ueber chirurgische Nachkrankheiten der Grippe [Göttingen] 22p. 8°. Tüb., 1920.

Also *Beitr. klin. Chir.*, 1920, 120:

Acevedo, E. B. Grippe y cirugía. *Día méd.*, B. Air., 1935, 7: 1496.—**Andruo, W. DeW.** The surgical aspects of influenza. *J. Med.*, Cincin., 1930-31, 11: 132.—**Arseniev, N. A.** [Surgical complications of the grippel] *Klin. med.*, Moskva, 1938, 16: 833-41.—**Conforto, C.** Di due rare complicazioni chirurgiche post-influenzali. *Med. nuova*, 1926, 17: 43-7.—**Ruf, S.** Höhe Leukocytenwerte bei chirurgischen Erkrankungen während der Grippeepidemie. *Zbl. Chir.*, 1927, 54: 1286.—**Seifert, E.** Chirurgie und Grippe. *Münch. med. Wschr.*, 1934, 81: 133-7.—**Shakhnazarov, A. B.** [Abscesses during influenza] *Sovet. vrach. J.*, 1939, 43: 355.

Treatment.

PETERS, J. T. De griep en hare behandeling. 40p. 25cm. Gravenh., 1931.

PLUMPE, A. *Ueber Symptomatik und Behandlung der Grippe [Berlin] 23p. 23cm. Charlottenb., 1938.

Algora Nieto, M. De la gripe y su tratamiento. *Siglo méd.*, 1934, 93: 269.—**Berger, W., & Schnetz, H.** Grippebehandlung. *Ther. Gegenwart*, 1935, 76: 534-43.—**Bethea, O. W., & Greenlee, R. G.** The treatment of influenza. *N. Orleans M. & S. J.*, 1941-42, 94: 217-21.—**Claissé, P.** Tratamiento da grippe. *Porto med.*, 1907, 4: 90-4.—**Francis, T., jr.** Influenza. In *Modern Med. Ther.* (Barr, D. P.) Balt., 1940, 2: 1597-605.—**Friedemann, U.** Die Behandlung der Grippe. *Deut. med. Wschr.*, 1933, 59: 219-21.—**Gaskell, H. S.** Influenza; comparison. *Practitioner*, Lond., 1935, 134: 646-55.—**Hamilton, J. R.** The management of the patient with recurring colds, grippel, and influenza. *Virginia M. Month.*, 1940, 67: 134-7.—**Hobson, F. G.** Influenza and its treatment. *Med. Press & Circ.*, Lond., 1937, 194: 178-81.—**Horde.** The treatment of influenza. *Brit. M. J.*, 1934, 2: 1059. Also *In Treat. Gen. Pract.*, 2. ed., Lond., 1938, 1: 1-4.—**Influenza.** *Progr. ter.*, Milano, 1902, 157-9.—**Influenza** should be treated with proper respect. *Ind. M. Rec.*, 1938, 58: 168-70.—**Jagić, N. von.** Zur Klinik und Therapie der Grippe. *Wien. klin. Wschr.*, 1940, 53: 1085.—**Kidd, C. W.** Treatment of influenza. *Ulster M. J.*, 1935, 4: 87-91.—**Martini, P.** Die Therapie der Grippe. *Münch. med. Wschr.*, 1937, 84: 1848-54.—**Tratamiento de la gripe.** *Día méd.*, B. Air., 1939, 11: 322-7.—**Meyer, J.** The medical treatment of influenza. *Clin. Med.*, 1942, 49: 271.—**Monti, P.** L'influenza. *Terapia*, Milano, 1938, 28: 48-52.—**Mukherji, S. K.** Treatment of influenza. *Ind. M. Rec.*, 1934, 54: 261-4.—**Ochoa, E.** Terapéutica de la grippe. *Rev. As. méd. argent.*, 1933, 47: 3654-9.—**Pharmacists' (The)** role in the treatment of influenza. *J. Am. Pharm. Ass., Pract.*

Pharm. Ed., 1941, 2: 206-8.—**Plácido Barbosa, J.** Contra a grippe. *Fol. med. Rio*, 1936, 17: 509.—**Reid, I. E.** Treatment of influenza. *Brit. M. J.*, 1927, 1: 720.—**Renaud, M., Thésée & Blanc.** La grippe et son traitement; une statistique sans décès. *Bull. méd.*, Par., 1935, 49: 270; 51: 189.—**Scupham, G. W.** Therapy of the Cook County Hospital; the therapy of influenza. *J. Am. M. Ass.*, 1941, 116: 2264-8.—**Stenger, K.** Erfahrungen über die Behandlung von grippalen Infekten und Pneumonien. *Deut. med. Wschr.*, 1939, 65: 634-6.—**Terapéutica de la gripe.** *Día méd.*, B. Air., 1930-31, 3: 885-7.—**Torday, F.** [Treatment of influenza] *Budapesti orv. ujs.*, 1937, 35: 90-3.—**Torrens, J.** Influenza: its sequelae and treatment. *Brit. M. J.*, 1934, 1: 274-6.—**Tratamiento de la gripe.** *Día méd.*, B. Air., 1935, 7: 1221.—**Vinogradov, V. N.** [Influenza] *Ter. arkh.*, 1932, 10: 327-42.—**Wilson, S.** The treatment of grippel from the endocrine standpoint. *Week. Roster, Phila.*, 1933, 28: 15.

Treatment: Biological products.

Billaux, J. Les ventouses sèches comme moyen d'auto-hémothérapie et leur application au traitement de la grippe. *J. sc. méd. Lille*, 1922, 40: pt 2, 57: 77.—**Friedemann, U.** Ueber die Behandlung der Grippe. *Deut. med. Wschr.*, 1927, 53: 354-6.—**Tzanck, A.** La transfusion sanguine au cours de la grippe grave et de ses complications. *Bull. Soc. méd. hôp. Paris*, 1934, 3, ser., 50: 535-7. Also *J. méd. Paris*, 1934, 54: 692.—**Zdravomislav, J. I.** [Urinotherapy in grippal diseases] *Vrach. delo*, 1926, 9: 730.

Treatment: Drugs.

NEW YORK. CINCHONA PRODUCTS INSTITUTE, Inc. Influenza and quinine; a review of modern clinical practice. 23p. 8°. N. Y., 1938.

Agroskin, M. A. [Treatment of influenza, head colds and angina by small doses of iodine] *Vrach. delo*, 1935, 18: 953.—**Bayor, D.** [Quinine in the treatment of influenza] *Gyógyászat*, 1929, 68: 352-4.—**Belin.** De l'oxydothérapie dans le traitement de la grippe. *Rev. path. comp.*, Par., 1919, 19: 4-7.—**Biskin, M. J.** [Intravenous injections of 40% methanamine in influenza] *Vrach. delo*, 1927, 10: 363.—**Blackert.** Erfahrungen mit der kombinierten Kalzium-Chinin-Therapie bei der diesjährigen Grippeepidemie. *Fortsch. Ther.*, 1933, 9: 598-600.—**Bliokh, V. A.** [Use of chlorine in treatment of influenza] *Vrach. gaz.*, 1930, 34: 1683.—**Bonnin.** Ueber eine neuartige Strychnin-Kampfer-Therapie. *Fortsch. Ther.*, Berl., 1929, 5: 773.—**Bornstein.** Einige Worte zur Frage: Grippe und Alkohol. *Med. Klin.*, Berl., 1927, 23: 422.—**Craig, J.** Salicin and salicylates in the treatment of influenza. *Brit. M. J.*, 1927, 2: 237.—**Feles, P.** Grippe-Therapie. *Med. Welt*, 1929, 3: 203.—**Frazier, W. L.** Collargol in influenza. *Clin. M. & S.*, 1937, 44: 87.—**Götte, P.** Erfahrungen mit dem Antineuralgikum Pleon in der Grippe-therapie. *Deut. med. Wschr.*, 1933, 59: 1843.—**Hablützel, C.** Parenterale Kalziumbehandlung bei Grippe. *Schweiz. med. Wschr.*, 1932, 62: 15.—**Hellstern, E. P.** Therapeutische Beeinflussung grippöser Erkältungskrankheiten mittels Acanol. *Fortsch. Med.*, 1926, 44: 967.—**Hordonka, M.** [Treatment of influenza with 3% subcutan phenol injections] *Orv. hetil.*, 1932, 76: [ncll.] 43.—**Jansen, J.** Zur rektalen Chinintherapie der Grippe. *Med. Welt*, 1938, 12: 170.—**Kasumov, J.** [Formic acid in treatment and prevention of influenza] *Vrach. delo*, 1935, 18: 1037.—**[Prevention and therapy of the grippe with formic acid.** *Vest. otorinol.*, 1940, No. 4, 85-9.—**Kaviratna, K. A. C.** Treatment of influenza in Ayurveda with bitters. *J. Ayurveda*, 1933, 9: 283.—**Kholodkovsky** [Use of iodine in treatment and prevention of influenza] *Voen. san. delo*, 1937, No. 11-12, 115.—**Kiss, P.** [P-aminobenzolsulfamid in treatment of influenza of children] *Orv. hetil.*, 1937, 81: 459-61.—**Koffler, K.** Gibt es ein spezifisches Mittel gegen grippöse Erkrankungen der oberen Luftwege? *Wien. klin. Wschr.*, 1931, 44: 976-8.—**Korbsch, R.** Behandlung grippöser und pneumonischer Erkrankung mit Calcium-Sandoz. *Med. Klin.*, Berl., 1929, 25: 1437.—**Lorenzen, H.** Ein Beitrag zur Grippe-Therapie mit Pyridium. *Münch. med. Wschr.*, 1937, 84: 260.—**Mader, E.** Kampferbehandlung. *Ibid.*, 1926, 73: 1426.—**Marx, W.** Die Therapie der Erkältungskrankheiten mit Novalgin-Chinin unter besonderer Berücksichtigung der Grippe. *Med. Klin.*, Berl., 1935, 31: 951.—**Mazzoneschi, G.** L'influenza: cura e profilassi con la chinoteina Sero. *Rass. clin. ter.*, 1926, 25: 48-53.—**Mihálkovics, S.** [Therapeutic value of Septol in influenza] *Orv. hetil.*, 1936, 80: mell., 47.—**Misuraca, S.** Intorno all'epidemia influenzale dell'inverno scorso: cura di arschininina e lecithine (bioplastina) *Rass. clin. ter.*, 1926, 25: 318-20.—**Monnerot-Dumaine.** Traitement de la grippe au moyen des effets hyperciniques de la pilocarpine. *Bull. Soc. méd. hôp. Paris*, 1932, 3, ser., 48: 662-74.—**Nathan, W.** Zur Behandlung der Grippe und ähnlicher Erkrankungen mit Cardiazol-Chinin. *Deut. med. Wschr.*, 1932, 58: 892.—**Nesse, E.** Ueber ein neues Grippemittel. *Med. Welt*, 1937, 11: 120.—**Obitz, G.** [Chinin-calcium gluconicum in influenza] *Orv. hetil.*, 1935, 79: 780.—**Ostoya-Ostojki, E.** [Treatment of the grippe and complications by the chemotherapeutic preparation Optochinum basicum] *Med. prakt.*, Poznań, 1936, 10: 238-41.—**Pawlowski, E.** Chinin bei Grippe. *Med. Welt*, 1939, 14: 190.—**Pearce, R. M.** The treatment of influenza with S. U. P. 36. *Brit. M. J.*, 1929, 2: 663-6.—**Planer.** Ein neues Grippemittel. *Fortsch. Med.*, 1926, 44: 226.—**Reuter, A.** Grippevorbeugung und Behandlung. *Aerzt. Rdsch.*

1929, 39: 23. — **Samoilov, A. P.** [Use of chlorine in treatment of influenza] *Vrach. gaz.*, 1930, 34: 125-8. — **Schmidt, W.** Symptomatische Grippe-Therapie mit Neuramag. *Med. Welt*, 1928, 2: 297. — **Schulze, H.** Beobachtungen über die diesjährige Grippeepidemie im Standort Flensburg und ihre Beeinflussungsmöglichkeit durch protrahierte Chiningaben. *Deut. med. Wschr.*, 1935, 61: 1719-22. — **Sigg, K.** Behandlung der Grippe, der Angina lacunaris und der Otitis media mit Cibazol in der Praxis. *Schweiz. med. Wschr.*, 1941, 71: 935. — **Sobyte, P.** [Influenza epidemic treated with acetylpyrimidin] *Militärärzt.*, 1940, 46: 90-8. — **Steinsehneder, E. E., & Jacobson, T. S.** [Chlorine in treatment of influenza] *Vrach. gaz.*, 1931, 35: 1667-71. — **Toskin, D. V.** [Ichthyol treatment in grippal affections of respiratory organs] *Ibid.*, 1927, 31: 378-80. — **Uhlirz, R.** Die Grippepulver. *Wien. klin. Wschr.*, 1939, 52: 717. — **Urchenko, S. K.** [Chlorine inhalations in the treatment of the grippel] *Vest. sovet. otorinol.*, 1933, 26: 70-3. — **Vischer, A., & Jeker, L.** Die Therapie mit Calcium-Sandoz bei der Grippe-Epidemie 1932 in der Luzerner Infanterie-Rekrutenschule. *Schweiz. med. Wschr.*, 1933, 63: 696. — **Woker, A. F.** Erfahrungen mit Ipesumman. *Fortsch. Ther.*, 1928, 4: 158. — **Wreschner, H.** Therapeutische Erfahrungen mit Quinisol aus der letzten Grippeepidemie. *Med. Klin.*, Berl., 1929, 25: 1030. — **Zendrali, G.** Beobachtungen mit Disulphamin bei Grippe, Grippepneumonie usw. *Schweiz. med. Wschr.*, 1931, 61: 378. — **Zippel, G.** Erfahrungen mit der Casbis-Behandlung der Grippe. *Med. Klin.*, Berl., 1941, 37: 535.

— Treatment: Methods.

LLOYD BROTHERS, PHARMACISTS, INC. Medical treatment of epidemic influenza, grippel and common colds. 8p. 21 1/2 cm. [Cincin., 1941]

— **Aurand, S. H.** Influenza and its treatment. *Pacific Coast J. Homeop.*, 1932, 43: 122-9. — **Biscarri de Rubio, A.** Sobre la gripe y especial manera de contribuir a disminuir su mortalidad. *Clin. lab.*, Zaragoza, 1934, 24: 33. — **Borland, D. M.** Influenza. *Pacific Coast J. Homeop.*, 1940, 51: 167-90. — **Bowie, R. C.** Homeopathy in influenza. *J. Am. Inst. Homeop.*, 1942, 35: 249. — **Braumann, E.** Zur Therapie der Influenza. *Schweiz. med. Wschr.*, 1927, 57: 277. — **Cooper, L.** Report of the British homeopathic congress; influenza. *J. Am. Inst. Homeop.*, 1940, 33: 256-64. — **Enos, C.** Of what use is homeopathy in influenza? *Ibid.*, 1938, 31: 71. — **Glazer, A. M.** Influenza; a comparative study of different forms of treatment. *Ohio M. J.*, 1936, 32: 749-50. — **Grosskopf, M.** Zur Therapie des Schnupfens und der Grippe. *Med. Welt*, 1933, 7: 1109. — **Hafner, E. A.** Zur Behandlung der Grippe. *Schweiz. med. Wschr.*, 1933, 63: 424. — **Jagié, N. von.** Zur Klinik und Therapie der Influenza (Grippe). *Wien. klin. Wschr.*, 1931, 44: 362. — **Rosegger, H.** Zur Klinik und Therapie der Grippe. *Aerzt. Prax.*, Wien, 1939, 13: 231-7. Also *Wien. klin. Wschr.*, 1939, 52: 661-7. — **Johnston, J. M.** Ten remedies in acute influenzal colds. *Hahneman. Month.*, 1931, 66: 481-4. — **Kaplowe, J. L.** Influenza. *Homeop. Rec.*, 1940, 55: No. 9, 3-14. — **Kirstner, A. A., & Gorinstein, M. L.** [Cupping in influenza] *Klin. med.*, Moskva, 1933, 11: 296-9. — **Kohl, H.** Zur Behandlung der Frühererscheinungen der Grippe. *Fortsch. Ther.*, 1935, 11: 546-9. — **Lages, W.** Grippe; sua profilaxia e tratamento simples e comodo. *Brasil med.*, 1941, 55: 552-4. — **Lange, F.** Zur Behandlung der Grippe und zur Auffassung ihrer Rekonvaleszenz. *Zschr. ärzt. Fortbild.*, 1933, 30: 196-9. — **Levick, C. B.** The modern treatment of influenza. *Practitioner, Lond.*, 1931, 126: 65-74. — **Löwinger, O.** Neue Wege der Grippebehandlung. *Wien. klin. Wschr.*, 1934, 47: 1139. — **Mittag, O. E.** Zur Behandlung der Grippe. *Fortsch. Med.*, 1939, 57: 196-8. — **Morell, T.** Zur Behandlung der Grippe. *Ibid.*, 65-7. — **Morgan, F. B.** The treatment of influenza. *J. Am. Inst. Homeop.*, 1940, 33: 238. — **Nageotte-Wilbouchevitch, M.** A propos du traitement de la gripe. *Presse méd.*, 1935, 43: 292. — **Nesnera, E.** A simple abortive treatment of influenza. *Practitioner, Lond.*, 1930, 124: 231-4. — **Nesnera, O.** [Abortive treatment of influenza] *Orv. hetil.*, 1938, 82: mell. 30-2. — **Nogué Roca, J.** La influenza. *Rev. homeop.*, Barcel., 1890, 2: 321-9. — **Ochoa, E.** Breves consideraciones sobre terapéutica gripal. *Día méd.*, B. Air., 1934-35, 7: 253-5. — **Rabe, R. F.** Homeopathy in the treatment of influenza. *J. Am. Inst. Homeop.*, 1940, 33: 239-41. — **Remedy for influenza** hinted in new report. *Science News Lett.*, 1938, 33: 131. — **Stanea, D., & Gherman, N.** [Progress in treatment of influenza and its complications] *Cluj. med.*, 1936, 17: 696-702. — **Stearns, G. B.** Influenzins. *Homeop. Rec.*, 1938, 53: No. 11, 15-20. — **Templeton, W. L.** The homeopathic treatment of influenza. *Brit. Homeop. J.*, 1939, 29: 412-37. — **Traitement pratique de l'infection grippale bénigne.** *Rev. gén. clin. théor.*, 1934, 48: 745. — **Trumpp.** Behandlung der Grippe. *Münch. med. Wschr.*, 1927, 74: 188. — **Uhlirz, R.** Le cachet antigrippe. *Rev. palud.*, Par., 1940, 2: 75. — **Ward, E. A.** Influenza and its osteopathic management. *J. Am. Osteopath. Ass.*, 1937-38, 37: 3-6. — **Weaver, W. A.** Treatment of influenza. *Hahneman. Month.*, 1934, 69: 277-85. — **Zuemer, E. P.** The treatment of common diseases. *Elect. M. J.*, 1935, 95: 453-6.

— Treatment: Physiotherapy.

— **Atmospheric ionization and influenza.** *Brit. M. J.*, 1936, 1: 493. — **Demianov, G. S.** [Data for investigation of the effect of

climate of Krasnodar on influenzal infection] *Tr. Kuban. gosnd. med. inst. armii*, 1939, No. 7, 155-68. — **Rossiisky, D. M., & Vilenkin, L. J.** Electro-aerionio-therapy for influenza. *Acta med. scand.*, 1936, 89: 190-8. Also *Sovet. vrach. J.*, 1936, 1: 1477-80. — **Teregulova, A. N.** [Phototherapy of the grippel in ambulatory practice] *Kazan. med. J.*, 1939, 35: No. 7, 39. — **Vitebsky, S. E.** [Application of ultra-violet irradiation in grippal affections] *Vrach. delo*, 1940, 22: 47-50.

— Treatment: Serum and vaccine.

See also subheadings (Immune serum; Immunization)

— **Alperovich, J. A., & Helfer, G. A.** [Treatment of epidemic influenza by antiviruses] *Klin. med.*, Moskva, 1938, 16: 557-61. — **Douthwaite, A. H., & Knott, F. A.** Convalescent serum in influenza. *Lancet, Lond.*, 1937, 1: 172. — **Falkovitch, L. I., & Korobitsina, L. A.** [Besredka's antiviruses in prevention and treatment of influenza] *Sovet. vrach. gaz.*, 1934, 38: 1350-4. — **Hombria, M.** Vaccinoprofilaxis y vacunoterapia en la gripe. *Arch. med.*, Madrid, 1927, 26: 120. — **Slavin, S. D.** [Influenza and its clinical aspect in treatment with lysates] *Sovet. vrach. J.*, 1936, 1: 1473-7. — **Veitkov, I. L.** [Results of therapeutic application of grippal antiviruses B] *Sovet. med.*, 1940, No. 16, 19.

— Type.

— **Blumtritt, C. H. E.** Algunas consideraciones sobre las formas pseudotuberculosas de la gripe. *Rev. méd. lat. amer.*, B. Air., 1939-40, 25: 16-33. — **Burke, M. O.** Vagaries of influenza. *South. M. & S.*, 1931, 96: 212. — **Carrière, G.** Su una forma insolita di influenza idropica e dolorosa. *Gazz. osp.*, 1927, 48: 1180. — **Auguste, C.** Sur une forme anormale de gripe hydropique et douloureuse. *Bull. Acad. méd.*, Par., 1927, 3, ser., 98: 318-22. Also *Gaz. med. France*, 1928, 2: 633-41. Also *Rev. méd.*, Par., 1928, 45: 659-99. — **Caussade, G., Vulliet [et al.]** Gripes toxico-infectieuses avec accès pseudo-palustre ou purement fébrile sans retentissement pulmonaire chez une ancienne tuberculeuse, guérie depuis 2 ans environ, ou complications pulmonaires (congestions banales, splénisation, broncho-pneumonies avec abcès) *Bull. Soc. méd. hôp. Paris*, 1929, 3, ser., 53: 554-66. — **Couto, M.** Modalidades clinicas da gripe. In *his Clin. med.*, Rio, 1935, 1: 163-79. — **Divaris, P. N.** Formes typhoïdes de la gripe. *Prat. méd. fr.*, 1928, 7: 339-41. — **Fried, R. I., & Reinhart, N. L.** Case record presenting clinical problems: An atypical influenza. *Ohio M. J.*, 1936, 32: 441-3. — **Garvie, A.** Types of influenza. *Brit. M. J.*, 1940, 1: 869. — **Henry, T. R.** New-type influenza found, adding to epidemic problem. Clipping from: *Washington Star*, December 22, 1940. — **Horsfall, F. L., jr., & Rickard, E. R.** Neutralizing antibodies in human serum after influenza A; the lack of strain specificity in the immunological response. *J. Exp. M.*, 1941, 74: 433-9. — **Horsfall, F. L., jr., Lennette, E. H.** [et al.] The nomenclature of influenza. *Lancet, Lond.*, 1940, 2: 413. — **Jackson, R.** Localized influenzal affections of the head. *N. Orleans M. & S. J.*, 1926-27, 79: 409-13. — **Laurcati, M.** Tossinfazione influenzale atipica. *Gazz. osp.*, 1931, 52: 647. — **Lush, D., Stuart-Harris, C. H., & Andrewes, C. H.** The occurrence of influenza B in southern England. *Brit. J. Exp. Path.*, 1941, 22: 302-4. — **Magill, T. P., & Tyndall, M.** Two outbreaks of influenza caused by antigenically different viruses. *Proc. Soc. Exp. Biol. N. Y.*, 1941, 46: 371-4. — **Nigg, C., Eklund, C. M.** [et al.] Study of an epidemic of influenza B. *Am. J. Hyg.*, 1942, 35: 265-84. — **Renaud, M.** Les facteurs déterminants de formes de la gripe. *Bull. Soc. méd. hôp. Paris*, 1927, 3, ser., 51: 278. — **Rissotto, A. A.** Sintomatologia y formas clinicas de la gripe. *Sem. méd.*, B. Air., 1934, 41: pt 2, 669-74. — **Rubitschong, O.** Beobachtung eines Marseiller Bläschenfieber-Falles. *Deut. med. Wschr.*, 1937, 63: 1559. — **Siegel, M., Muckenfuss, R. S.** [et al.] A study in active immunization against epidemic influenza and pneumococcus pneumonia at Letchworth Village; results in an epidemic of influenza A in 1940-41. *Am. J. Hyg.*, 1942, 35: 186-230.

— Uropoietic system.

— **LATTANZIO, V.** Valore clinico dell'albuminuria nell'influenza; metodo curativo; casi clinici. 46p. 8°. Barletta, 1920.

— **Datner, H., & Engliszer, A.** [Case of retention of urine and feces as sequel of influenza] *Warsz. ezas. lek.*, 1938, 15: 150-2. — **Morson, C.** The genito-urinary complications of influenza. *Brit. J. Urol.*, 1942, 14: 11-3. — **Podvinec, E., & Pollak, W.** Ueber Blasenblutungen bei Grippe. *Mscr. Kinderh.*, 1929, 43: 480-3. — **Topchan, A. B.** [Influenza and the urinary tract] *Mosk. med. J.*, 1929, 9: 37-47. — **Triger, K.** Ueber das Auftreten von positiver Diazo-Reaktion im Harn bei Grippe. *Wien. klin. Wschr.*, 1932, 45: 720. — **Weijtland, J. A.** [Acute cystitis as a complication of influenza] *Ned. tschr. geneesk.*, 1929, 73: pt 1, 2262-5.

— in animals.

— **Andrewes, C. H., Laidlaw, P. P., & Smith, W.** The susceptibility of mice to the viruses of human and swine influenza. *Lancet, Lond.*, 1934, 2: 859-62. — **Béclère, A.** Influenza; l'influenza expérimentale des furets et des souris. *Presse méd.*, 1937, 45: 505-8. — **Behr, E., & Hadders, H. N.** [Pathological

anatomy of mouse influenza] Ned. tschr. geneesk., 1940, 84: 3571-6, pl.—**Bertz, W. W.** Influenza of Army animals. Vet. Bull., Wash., 1933, 27: 227-37.—**Bueno, P.** Lesões de gripe crônica em leitões. Biológico, S. Paulo, 1941, 7: 359.—**Camponi, G.** Sulla influenza dei bovini. Boll. Soc. eustach., 1938, 36: 111-5.—**Delecourt, J.** Grippe du chat; importance des gripes animales dans la prophylaxie de la grippe humaine. Prat. méd. fr., 1938, 19: 235-56.—**Gilmore, H. D.** Infectious calf pneumonia or calf influenzal pneumonia. Vet. Rec., Lond., 1939, 51: 674.—**Gundel, M., & Linden, H.** Die Tierpathogenität des Influenzabazillus. Zbl. Bakt., 1. Abt., 1930, 118: 42-7.—**Hepburn, W.** A clinical survey of transit fever in bovines. Vet. Rec., Lond., 1925, 5: 201-8.—**Kairies, A.** Die Empfänglichkeit von Ittissen und Fretchen für Influenzabacillen. Zschr. Hyg., 1934, 116: 264-72. — Influenzaerkrankungen bei Fretchen und Beschreibung eines Bacterium influenzæ putiorum multiforme. Ibid., 1935, 117: 12-7. — Ueber grippartige Befunde bei Spontanerkrankungen von Meerschweinchen. Arch. Hyg., Münch., 1938, 121: 89-101.—**Long, P. H., & Bliss, E. A.** Interstitial pneumonia in mice. J. Bact., Balt., 1936, 31: 37.—**Mazel, F.** [Experiences with Prof. Macek's vaccine in prevention of gripe in cattle] Zver. obzor, 1939, 32: 320-8.—**Mouquet, A.** Maladie à allure grippale chez des chimpanzés. Bull. Soc. centr. méd. vét., 1926, 79: 46-50.—**Naf, C.** Cas d'influenza avec pétéchies de la pituitaire. J. méd. vét., Lyon, 1936, 12: 156-60.—**Nelson, J. B.** Infectious catarrh of the albino rat. J. Exp. Med., 1940, 72: 645-62, 2 pl.—**Potocký, O.** [Gripe in cattle] Zver. obzor, 1941, 34: 104-7.—**Rossi, P.** La broncho-pneumonie infectieuse ou influenza des bovidés ne serait elle pas due à un virus filtrant? C. rend. Soc. biol., 1937, 125: 104. — L'urée sanguine dans la broncho-pneumonie infectieuse ou influenza des bovidés. Ibid., 1938, 127: 1406.—**Tedd, A. G.** [Influenza in animals] Askeri vet. mecmuasi, 1940, 18: No. 144, 60-7. — & **Soutar, J. J. M.** Influenza. J. R. Army Vet. Corps, 1939, 10: 43-51. Also Vet. Bull., Carlisle, 1939, 33: 146-58.—**Whitney, L. F.** Canine influenza. Vet. Med., Chic., 1941, 36: 216-9.—**Young, F. B.** Shipping fever in cattle. Ibid., 1929, 24: 107.

— in children.

MÜLLER, E. Die banale Grippe des Kindes; ihre Nachkrankheiten, ihre Prophylaxe und Behandlung. 39p. 8°. Stuttg., 1934.

Also Med. Welt., 1934, 8: 1649-53.

Adam, A. Pneumococcus planus; ein Beitrag zur Aetiologie der grippalen Erkrankungen des Kindesalters. Jahrb. Kinderh., 1926, 3. F., 62: 237-50.—**Aldrich, C. A.** Clinical observations on gripe, as seen in pediatric practice; report on 1,146 cases. Proc. Inst. M. Chicago, 1937, 11: 243. Also J. Pediat., S. Louis, 1937, 11: 331-40.—**Alexander, H. E., Ellis, C., & Leidy, G.** Treatment of type-specific Haemophilus influenzae infections during infancy and childhood. Am. J. Dis. Child., 1942, 64: 386-9.—**Amesse, J. W.** Complications and sequelae in a series of 200 cases of influenza in infancy and early childhood. Texas J. M., 1929-30, 25: 474-7.—**Barber, W. W.** Some observations regarding influenza as it affects infants and children. Colorado M., 1929, 26: 212-7.—**Bennholdt-Thomsen, G.** Grippeepidemie; Kindesalter. Münch. med. Wschr., 1941, 88: 718 (microfilm).—**Bentivoglio, G. C.** Infezione grippale e disturbi della nutrizione nel lattante. Lattante, 1931, 2: 440-72, ch.—**Burnet, F. M.** Influenza in infants and children. Arch. Pediat., N. Y., 1926, 43: 261-3.—**Cardoso, J.** Influenza em creanças. Nôvid. med. pharm., Porto, 1901-2, 7: 129-37.—**Del Piano, J. L., & Reboiras, J. J.** Crup gripal; a propósito de una observación en una niña de 16 meses; curación. Rev. As. méd. argent., 1939, 53: 486-9.—**Dormidontov, A. A.** [Data for investigation of the pathogenesis of the grippal state in a young child; reaction of the larynx and upper respiratory tract in young rabbits to intravenous injections of colloid stain] Pediatria, Moskva, 1939, 99-103.—**Dulitsky, S. O., & Karaseva, N. K.** [Influenza and its complications in young children] Sovet. pediat., 1934, No. 10, 44-53.—**Engel, S. D.** Die Grippe der Kinder. Med. Welt, 1933, 7: 338.—**Ferri, U.** Sui disturbi della nutrizione del lattante legati all'infezione grippale. Baglivi, 1936, 2: 289-94.—**Fiegel, L.** Ueber die Anwendung von Lobelin in der Säuglingsheilkunde nebst Bemerkungen über den Verlauf von Grippe bei Säuglingen in den ersten Lebenswochen. Fortsch. Ther., 1926, 2: 392-4.—**Frontali, G.** La prophylaxie individuelle et collective des infections grippales de la première enfance. Rev. fr. pédiat., 1934, 10: 102-10.—**Gaupp, V.** Zur Therapie grippaler Infekte im Kindesalter. Deut. med. Wschr., 1933, 59: 221.—**Geldrich, J.** Wesen und Erscheinung der Grippe im Säuglingsalter. Jahrb. Kinderh., 1938, 3. F., 101: 181-223, ch. — [Clinical picture and pathology of infantile gripe] Orvosképzés, 1938, 28: Feb. külf., 76-80.—**Hainiss, E.** [Influenza in infants] Ibid., 1932, 22: 130-9. Also Orv. hetil., 1932, 76: 173.—**Hamburger, R.** Die Behandlung der Grippe im Kindesalter. Deut. med. Wschr., 1927, 53: 828.—**Hodes, H. L.** Influenza. In Advance. Pediat., N. Y., 1942, 1: 75-9.—**Kerpel-Fronius, O.** [Osmotic conditions in infants with influenza] Orvosképzés, 1932, 22: Oct. külf., Dolgoz. gyermekklin., 52-5.—**Kravets, E. M., Goldberg, R. V., & Wolfson, A. S.** [The gripe in premature children] Sovet. pediat., 1936, No. 4, 31-42.—**Krzyżanowski, J.** [Endemic influenza in the newly-born; obstetric clinic at Łwów] Polska gaz. lek., 1927, 6: 820-2.—**Küpper, O.** Ueber gehäuftes Auftreten von Toxikosen. Arch. Kinderh., 1935,

106: 167-76.—**Lereboullet, M.** L'influenza nel lattante. Gazz. osp., 1933, 54: 718-20. Also Gaz. hôp., 1933, 106: 155-60.—**Litvak, A. M.** Influenza. In Ther. Infancy (Litchfield, H. R., & al.) Phila., 1942, 1: 746-58, pl.—**Lukashevich, S. I.** [Grippal diseases in children] Feldsher, Moskva, 1938, No. 11, 12-5.—**Lyon, G.** Epidemic influenza. In Pract. Libr. M. & S. (Appleton's) N. Y., 1935, 7: 989-93.—**Macciotta, G.** L'influenza e le sue complicità nei bambini. Clin. pediat., Mod., 1927, 9: 1-84, 2 pl.—**McLean, C. C.** Observations of so called influenza infections in children; preliminary report. Arch. Pediat., N. Y., 1928, 45: 571-9.—**Mader, A.** Ueber Grippe und ihre Behandlung im Kindesalter. Zschr. ärztl. Fortbild., 1939, 36: 104-7.—**Marino, A.** Note sulla epidemia influenzale nei piccoli bambini. Pediat. prat., Mod., 1928, 5: 245-8.—**Milhit, J.** Grippe. In Traité méd. enfans (Nobécourt & Babonneix) Par., 1934, 2: 372-83.—**Moll, L.** Die Säuglingsgrippe und ihre Behandlung. Wien. klin. Wschr., 1927, 40: 1486-8.—**Müller, E.** Zur Klinik und Therapie der banalen Grippe im Kindesalter. Med. Klin., Berl., 1930, 26: 1773-6.—**Noailles, A.** La gripe en los niños. Med. niños, 1921, 22: 242-5.—**Noeggerath, C.** Beobachtungen und Versuche bei der diesjährigen Grippe; das Sekundärstadium der Grippe beim Kinde. Klin. Wschr., 1929, 8: 1845-53.—**Oxenius, K.** Ueber Grippeerückfälle im Kindesalter. Münch. med. Wschr., 1936, 83: 2082.—**Petrányi, G.** Behandlung der Grippe bei Säuglingen und Kleinkindern mittels ungewöhnlich grosser Amidopyringaben. Arch. Kinderh., 1932-33, 98: 74-81. — Effective treatment of grip in infants and in young children. Am. J. Dis. Child., 1933, 46: 1011-4.—**Putzig, H.** Die Therapie der grippalen Erkrankungen im frühen Kindesalter. Fortsch. Ther., 1928, 4: 137-43.—**Reuss, A.** Ueber Grippe und Grippebekämpfung im Kindesalter. Münch. med. Wschr., 1934, 81: 127-30.—**Rosenbaum, S.** Ueber morbilliforme Neugeborengrippe mit septischem Ausgang. Mschr. Kinderh., 1929, 43: 153-62.—**Rott, L.** La signification en hygiène sociale des affections grippales du premier âge. Rev. fr. pédiat., 1934, 10: 99-102.—**Street, C. A.** Influenza in children. North Carolina M. J., 1941, 2: 490.—**Tevet, Z.** Zur Bakteriologie der Säuglingsgrippe. Mschr. Kinderh., 1933, 56: 61-5.—**Torday, F.** [Influenza in childhood] Budapesti orv. ujs., 1933, 31: 148-53.—**Trombetta, C.** La terapia lecitinica ad alte dosi nelle forme influenzali dei bambini. Rass. clin. ter., 1929, 28: 86-92.—**Tzavellos, C.** La gripe des nourrissons. Arch. méd. enf., 1935, 38: 206-22.—**Wolfson, A. S.** [Prevention of the gripe with anti-virus in premature infants] Pediatria, Moskva, 1941, No. 2, 46.

— in pregnancy and puerperium.

KELLER, H. *Grippe und Schwangerschaft. 16p. 8°. Erlangen, 1935.

ROWLAND, A. L. *La paramérite, une complication rare de la grippe pendant le puerpérium. 20p. 8°. Lausanne, 1936.

THERIVEL, H. *Grippe et puerpéralité. 164p. 8°. Par., 1931.

Albot, G. Les complications pulmonaires de la grippe chez les femmes enceintes. Prat. méd. fr., 1927, 6: 234-40.—**Aurand, S. H.** La gripe and pregnancy. Pacific Coast J. Homeop., 1936, 47: 69-72.—**Ducks, G.** [Quinine therapy of influenza during menstruation and pregnancy] Gyógyászat, 1933, 73: 187.—**Guerdjikov, N.** Grippe et grossesse. Rev. méd. Suisse rom., 1927, 47: 535-46.—**Influenzal bronchopneumonia, spontaneous delivery; summary of fatal cases during 1934.** Med. Rep. Glasgow Matern. Hosp., 1935, 128.—**Litwak, M. I.** Schwangerschaft und Grippe. Arch. Gyn., Berl., 1932, 148: 453-74.—**Marconi, E.** Contributo clinico allo studio della infezione puerperale da influenza. Riv. ital. gin., 1932-33, 14: 307-34.—**Pigeaud, H.** Le rôle joué par la gripe dans la genèse des infections mortelles chez les accouchées. J. méd. Lyon, 1931, 12: 471-5.—**Rosenthal, A. S.** [Rôle of the gripe in the etiology of hypotrophy] Vopr. matern., 1940, No. 2, 9-14.—**Schneider, E.** Beobachtungen bei leichten Grippefällen im Wochenbett. Med. Welt, 1936, 10: 1728-30.—**Stephan, U.** Ueber die Bekämpfung schwerer Grippeinfektionen im Frühwochenbett und bei frisch Operierten durch Behandlung mit Katalase. Arch. Gyn., Berl., 1929, 137: 1047 [Discussion] 1052.

INFLUENZA virus.

See also Influenza, Etiology.

Biocca, E. Conhecimentos atuais sobre a influenza e seu virus. Arq. biol. S. Paulo, 1941, 25: 25-35.—**Brightman, I. J., & Trask, J. D.** Recovery of a filtrable virus from children with influenza; epidemiologic and clinical observations. Am. J. Dis. Child., 1936, 52: 67-77.—**Burnet, F. M.** Influenza virus isolated from an Australian epidemic. Med. J. Australia, 1935, 2: 651-3.—**Cerruti, C. F.** Ricerche sul virus dell'influenza. Gior. Accad. med. Torino, 1937, 100: pt 2, 184-94.—**Certain monkeys and the influenza virus.** J. Am. M. Ass., 1939, 112: 1177.—**Clampit, J. M., & Gordon, F. B.** Recovery of influenza virus from Chicago epidemic. Proc. Soc. Exp. Biol. N. Y., 1937, 36: 747-9.—**Cluver, E. H.** Influenza virus. S. Afr. M. J., 1941, 15: 415. Also Brit. M. J., 1942, 1: 341.—**Crofton, W. M.** Distemper and influenza. In his True Nature

of Viruses, 2. ed., Lond., 1939, 33-101, 6 pl.—**Dochez, A. R., Mills, K. C., & Kneeland, Y. jr.** Studies on the virus of influenza. *J. Exp. M.*, 1936, 63: 581-98.—**Dreguss, M.** Untersuchungen in Ungarn über das Influenzavirus. *Zbl. Bakt.*, 1. Abt., 1939, 144: Beih., 275.—**Favilli, G.** Il virus influenzale. *Rass. clin. sc.*, 1937, 15: 165-70.—**Francis, T. jr.** Transmission of influenza by a filterable virus. *Science*, 1934, 80: 457-9.—**Magill, T. P.** [et al.] Studies with human influenza virus during the influenza epidemic of 1936-37. *J. Am. M. Ass.*, 1937, 109: 566-9.—**Hare, R.** The present status of influenza virus. *Canad. Pub. Health J.*, 1941, 32: 49-54.—**Chun Hui Yen.** Isolation of virus from cases of influenza in Toronto. *Ibid.*, 1938, 29: 27-31.—**Khastovich, R. I.** [Influenza virus] *Ann. Mechnikov. Inst.*, 1936, 5: 223-44.—**Magill, T. P.** A virus from cases of influenza-like upper-respiratory infection. *Proc. Soc. Exp. Biol.*, N. Y., 1940, 45: 162-4.—**Francis, T. jr.** Studies with human influenza virus cultivated in artificial medium. *J. Exp. M.*, 1936, 63: 803-11.—**Nishibe, M., & Nakajima, H.** Experimental studies on a filterable microorganism isolated from influenza cases. *Sc. Rep. Gov. Inst. Infect. Dis.*, Tokyo, 1925, 4: 149-55.—**Nobel, W. C. jr., & Brainard, D. H.** Studies of acute respiratory infections: filter-passing anaerobic bacteria from cases of epidemic influenza in New York City in 1928-29. *Am. J. Hyg.*, 1934, 20: 181-90.—**Smith, W., Andrewes, C. H., & Laidlaw, P. P.** A virus obtained from influenza patients. *Lancet*, Lond., 1933, 1: 66-8. Also *Reichsgesundhbl.*, 1934, 9: 599-601.—**Sordelli, A., Taylor, R. M., & Parodi, A. S.** Estudio de los virus de la epidemia de influenza ocurrida en la Argentina durante el año 1940. *Rev. Inst. bact. Mallarán, B. Air.*, 1941, 10: 265-74.—**Stafford, J.** Flu virus revealed. *Science News Lett.*, 1941, 40: 408.—**Science** puts its finger on the influenza virus. *Health, Mount. View*, 1942, 9: No. 11, 22.—**Taylor, R. M., & Dreguss, M.** Influenza virus studies during the 1939 epidemic in Central Europe. *J. Infect. Dis.*, 1941, 68: 79-89.—**Turumi, M., & Takagi, H.** Studies on influenza virus. *Kitasato Arch.*, 1940, 17: 143-51.—**Ogasawara, K.** Studies on influenza virus. *Nagoya J. M. Sc.*, 1939, 13: 61-7.—**Yen, C. H.** Studies on the virus of human influenza. *Chin. M. J.*, 1939, 55: 239-61.

Antigens and antibodies.

Andrewes, C. H., Laidlaw, P. P., & Smith, W. Influenza: observations on the recovery of virus from man and on the antibody content of human sera. *Brit. J. Exp. Path.*, 1935, 16: 566-82.—**Bourdillon, J., & Lennette, E. H.** Electrophoresis of the complement-fixing antigen of human influenza virus. *J. Exp. M.*, 1940, 72: 11-9.—**Brown, H. W.** The occurrence of neutralizing antibodies for human influenza virus in the sera of persons with various histories of influenza. *Am. J. Hyg.*, 1936, 24: 361-80.—**Burnet, F. M.** Influenza virus of the developing egg: differentiation of 2 antigenic types of human influenza virus. *Austral. J. Exp. Biol.*, 1937, 15: 369-74.—**Lush, D.** Influenza virus on the developing egg: the antibodies of experimental and human sera. *Brit. J. Exp. Path.*, 1938, 19: 17-29.—**Jackson, A. V.** A virus-inactivating agent from human nasal secretion. *Ibid.*, 1939, 20: 377-81.—**Chapman, J., & Hyde, R. R.** Antigenic differences in viruses from cases of influenza and colds. *Am. J. Hyg.*, 1940, 31: Sect. B, 46-68.—**Eaton, M. D.** Experimental immunization of mice with the virus of epidemic influenza: quantitative studies on the antigenicity of active and inactive virus. *J. Immun.*, Balt., 1940, 39: 43-55.—**Martin, W. P.** The relation of antibodies in human beings to immunity and infection with influenza A. *Fed. Proc.*, Balt., 1942, 1: pt 2, 176 (Abstr.).—**Eaton, M. D., & Nicewonger, C. R.** Development of influenza complement-fixing antigen and antibody in mice. *Proc. Soc. Exp. Biol.*, N. Y., 1940, 45: 439-41.—**Francis, T. jr.** The inactivation of epidemic influenza virus by nasal secretions of human individuals. *Science*, 1940, 91: 198.—**Brightman, I. J.** Virus-inactivating capacity of nasal secretions in the acute and convalescent stages of influenza. *Proc. Soc. Exp. Biol.*, N. Y., 1941, 48: 116.—**Francis, T. jr., & Magill, T. P.** The incidence of neutralizing antibodies for human influenza virus in the serum of human individuals of different ages. *J. Exp. M.*, 1936, 63: 655-68.—**The antibody response of human subjects vaccinated with the virus of human influenza.** *Ibid.*, 1937, 65: 251-9.—**Antigenic differences in strains of epidemic influenza virus: cross-immunization tests in mice.** *Brit. J. Exp. Path.*, 1938, 19: 284-93. Also *J. Bact.*, Balt., 1938, 36: 284.—**Hare, R.** Fluctuations in the titer of neutralizing antibody for influenza virus in human beings. *Ibid.*, 1940, 39: 52.—**Richm, W. C.** Long term variations in the titer of neutralizing antibody for influenza virus in the sera of adults and children. *J. Immun.*, Balt., 1941, 40: 253-66.—**Hirst, G. K., Rickard, E. R.** [et al.] Antibody response of human beings following vaccination with influenza viruses. *J. Exp. M.*, 1942, 75: 495-511.—**Hoyle, L., & Fairbrother, R. W.** Further studies of complement-fixation in influenza: antigen production in egg-membrane culture and the occurrence of a zone phenomenon. *Brit. J. Exp. Path.*, 1937, 18: 425-9.—**Isolation of the influenza virus and the relation of antibodies to infection and immunity.** *Brit. M. J.*, 1937, 1: 655-7.—**Antigenic structure of influenza viruses; the preparation of elementary body suspensions and the nature of the complement-fixing antigen.** *J. Hyg.*, Lond., 1937, 37: 512-20.—**Hudson, N. P., Markham, F. S., & Sigel, M. M.** Antigenic analysis of human and swine strains of influenza virus. *J. Bact.*, Balt., 1943, 45:

83 (Abstr.).—**Influenza: the relation of antibodies to immunity.** *Lancet*, Lond., 1936, 2: 1225.—**Krueger, A. P., Rosenberg, L. E.** [et al.] Distribution of influenza antibodies among vaccinated and unvaccinated Naval personnel. *U. S. Nav. M. Bull.*, 1943, 41: 426-31.—**Lennette, E. H., & Horsfall, F. L. jr.** Studies on epidemic influenza virus: the nature and properties of the complement-fixing antigen. *J. Exp. M.*, 1940, 72: 233-46.—**Studies on influenza virus; the complement-fixing antigen of influenza A and swine influenza viruses.** *Ibid.*, 1941, 73: 581-99.—**Lush, D., & Burnet, F. M.** Influenza virus on the developing egg; complement fixation with egg membrane antigens. *Austral. J. Exp. Biol.*, 1937, 15: 375-83.—**McClelland, L., & Hare, R.** The adsorption of influenza virus by red cells and a new in vitro method of measuring antibodies for influenza virus. *Canad. Pub. Health J.*, 1941, 32: 530-8.—**Magill, T. P., & Francis, T. jr.** Antigenic differences in strains of human influenza virus. *Proc. Soc. Exp. Biol.*, N. Y., 1936-37, 35: 463-6.—**Antigenic differences in strains of epidemic influenza virus: cross-neutralization tests in mice.** *Brit. J. Exp. Path.*, 1938, 19: 273-84.—**Morrison, A. P., Shaw, D. R.** [et al.] Complement-fixation studies on the sera of individuals vaccinated with active virus of human influenza. *Am. J. M. Sc.*, 1939, 197: 253-60.—**Nigg, C., Crowley, J. H., & Wilson, D. E.** On the use of chick embryo cultures of influenza virus in complement fixation tests. *Science*, 1940, 91: 603.—**Protection from flu virus in human nose secretions.** *Science News Lett.*, 1940, 37: 147.—**Rickard, E. R., & Horsfall, F. L. jr.** The relationship between neutralizing antibodies against influenza A virus in the sera of mothers and infants. *J. Immun.*, Balt., 1941, 42: 267-72.—**Rickard, E. R., Horsfall, F. L.** [et al.] The correlation between neutralizing antibodies in serum against influenza viruses and susceptibility to influenza in man. *Pub. Health Rep.*, Wash., 1941, 56: 1819-34.—**Schaeffer, M., & Leider, A. G.** Daily fluctuations in antibodies neutralizing influenza virus. *J. Bact.*, Balt., 1940, 39: 53.—**Shope, R. E.** The incidence of neutralizing antibodies for swine influenza virus in the sera of human beings of different ages. *J. Exp. M.*, 1936, 63: 669-84.—**Taylor, R. M., Dreguss, M., & De Ritis, F.** Antigenic behavior of certain Hungarian strains of epidemic influenza virus. *Am. J. Hyg.*, 1940, 31: Sect. B, 36-45.

Biology and morphology.

KENDALL, A. I. Observations upon the filterability of bacteria, including a filterable organism obtained from cases of influenza. 14p. 8° Chic., 1931.

Chance, B., & Chambers, L. A. An investigation of biologically significant materials by direct measurement of their dimensions through electron microscopy and the interpretation of their properties as indicated by variations in geometry and density. *Yearb. Am. Philos. Soc.*, 1941, 149.—**Eichhorn, A., & Pyle, N. J.** Observations on the relationship of the virus of human influenza and dog distemper. *J. Am. M. Ass.*, 1934, 102: 2082.—**Elford, W. J., Andrewes, C. H., & Tang, F. F.** The sizes of the viruses of human and swine influenza as determined by ultrafiltration. *Brit. J. Exp. Path.*, 1936, 17: 51-3.—**Turumi, M., Ogasawara, K.** [et al.] Studies on influenza virus; findings on the elementary bodies of influenza virus. *Jap. J. M. Sc.*, 1941, 2: Bact. & Parasit. 1-7.

Classification and type.

Burnet, F. M., & Lush, D. Influenza virus on the developing egg: a comparison of 2 antigenically dissimilar strains of human influenza virus after full adaptation to the egg membrane. *Austral. J. Exp. Biol.*, 1938, 16: 261-74.—**Influenza virus strains isolated from the Melbourne 1939 epidemic.** *Ibid.*, 1940, 18: 49-55.—**Chambers, L. A., Henie, W., & Dudley, E.** Studies on the nature of the viruses of influenzas A and B. *Am. J. M. Sc.*, 1942, 204: 915.—**Dujarric de la Rivière, R., & Chevè, J.** Le virus grippal du furet; étude de souches françaises de virus grippal. *Ann. Inst. Pasteur, Par.*, 1937, 59: 445-56.—**Francis, T. jr.** Differentiation of influenza A and influenza B by the complement-fixation reaction. *Proc. Soc. Exp. Biol.*, N. Y., 1940, 45: 861-3.—**A new type of virus from epidemic influenza.** *Science*, 1940, 92: 405-8.—**Moore, A. E.** A study of the neurotropic tendency in strains of the virus of epidemic influenza. *J. Exp. M.*, 1940, 72: 717-28.—**Haagen, E., & Du, Dscheng-Hsing.** Versuche mit einem in Deutschland isolierten Influenza-virusstamm. *Zbl. Bakt.*, 1. Abt., 1939, 144: 345-50.—**Herzberg, K.** Untersuchungen an Influenza-Virus-Stämmen. *Ibid.*, 1938-39, 143: 93-106.—**Influenzas A and B.** *Lancet*, Lond., 1941, 1: 114.—**Moore, A. E., & Francis, T. jr.** Neurotropic influenza virus. *J. Bact.*, Balt., 1940, 39: 54.—**New type of virus from epidemic influenza.** *J. Am. M. Ass.*, 1941, 116: 416.—**Pettit, H., Mudd, S., & Pepper, D. S.** The Philadelphia and Alaska strains of influenza virus; epidemic influenza in Alaska, 1935. *Ibid.*, 1936, 106: 890-2.—**Stuart-Harris, D. H.** A neurotropic strain of human influenza virus. *Lancet*, Lond., 1939, 1: 497-9.

Classification and type: Porcine type.

Agapov, S. I. O nalichii virusy influentsy v krovi, slezenke, zhelchi i moche u podsvinkov, bol'nykh influentsoi. *Vet. Bull.*, Lond., 1942, 12: 536 (Abstr.).—**Bang, F. B.** Synergistic action of Hemophilus influenzae suis and the swine influenza virus on the chick embryo. *J. Exp. M.*, 1943, 77: 7-20, 2 pl.—**Francis,**

T., jr. The immunological relationship between the viruses of human and swine influenza. *J. Bact., Balt.*, 1936, 31: 37.—**Köbe, K.** Schweineinfluenza und Ferkelgrippe. In *Handb. Viroskr.* (E. Gildemeister, et al.) Jena, 1939, 2: 70-92.—**Momborg-Jørgensen, H. C.** Die Aetiologie der Ferkelgrippe; Infektionsversuche mit bakterienfreien Gradocollmembran-Filteraten. *Berl. tierärztl. Wschr.*, 1938, 54: 573-6.—**Orcutt, M. L., & Shope, R. E.** The distribution of swine influenza virus in swine. *J. Exp. M.*, 1935, 62: 823-6.—**Scott, J. P.** Studies on swine influenza virus. *Vet. Bull., Lond.*, 1942, 12: 210 (Abstr.).—**Shope, R. E.** The infection of mice with swine influenza virus. *J. Exp. M.*, 1935, 62: 561-72. — Immunization experiments with swine influenza virus. *Ibid.*, 1936, 64: 47-61. — Immunological relationship between the swine and human influenza viruses in swine. *Ibid.*, 1937, 66: 151-68. — Serological studies of swine influenza viruses. *Ibid.*, 1939, 69: 847-56. — An intermediate host for the swine influenza virus. *Science*, 1939, 89: 441. — The swine lungworm as a reservoir and intermediate host for swine influenza virus. *J. Exp. M.*, 1941, 74: 41-7; 49-68; 1943, 77: 111-38.

Classification and type: Type A.

Andrewes, C. H., & Glover, R. E. Spread of infection from the respiratory tract of the ferret; transmission of influenza A virus. *Brit. J. Exp. Path.*, 1941, 22: 91-7.—**Bourdillon, J.** Electrophoresis of influenza A virus. *Proc. Soc. Exp. Biol.*, N. Y., 1940, 45: 679-SI.—**Burnet, F. M.** Influenza virus A infections of cynomolgus monkeys. *Austral. J. Exp. Biol.*, 1941, 19: 281-90.—**Chambers, L. A.** Relation between the virus of influenza A and filtrable components of normal lung. *Am. J. Dis. Child.*, 1941, 62: 893. — & **Henle, W.** A study of the relationship between the virus of influenza A and filtrable components of normal lungs. *Am. J. Path.*, 1941, 17: 442. — Studies on the nature of the virus of influenza; the dispersion of the virus of influenza A in a tissue emulsion and in extra-embryonic fluids of the chick. *J. Exp. M.*, 1943, 77: 251-64, pl.—**Chambers, L. A., Henle, W.** [et al.] Studies on the nature of the virus of influenza; the size of the infectious unit in influenza A. *Ibid.*, 265-76, pl.—**Eaton, M. D., & Martin, W. P.** An analysis of serological reactions after vaccination and infection with the virus of influenza A. *Am. J. Hyg.*, 1942, 36: 255-63.—**Enders, J. F., & Pearson, H. E.** Resistance of chicks to infection with influenza A virus. *Proc. Soc. Exp. Biol.*, N. Y., 1941, 48: 143-6.—**Henle, W.** Serologic activity of extra-embryonic fluids of chicks infected with virus of influenza A. *Am. J. Dis. Child.*, 1941, 62: 892. — & **Chambers, L. A.** The serological activity of extra-embryonic fluids of chick infected with virus of influenza A. *Proc. Soc. Exp. Biol.*, N. Y., 1941, 46: 713-7.—**Horsfall, F. L., jr., & Lennette, E. H.** Neutralization of influenza A virus by human serum. *J. Exp. M.*, 1941, 73: 327-33.—**Horsfall, F. L., jr., & Lennette, E. H.** [et al.] Studies on the efficacy of a complex vaccine against influenza A. *Pub. Health Rep., Wash.*, 1941, 56: 1863-75.—**Hyde, R. A.** Behavior of influenza A virus in the rabbit, rat, and guinea pig. *Am. J. Hyg.*, 1942, 36: 338-53.—**Lennette, E. H., & Horsfall, F. L., jr.** Further studies on the complement-fixing antigen of influenza A virus. *J. Bact., Balt.*, 1941, 41: 59.—**Pearson, H. E., & Enders, J. F.** Cultivation of influenza A virus in roller tubes. *Proc. Soc. Exp. Biol.*, N. Y., 1941, 48: 140-3.—**Taylor, R. M.** Experimental infection with influenza A virus in mice; the increase in intrapulmonary virus after inoculation and the influence of various factors thereon. *J. Exp. M.*, 1941, 73: 43-55. — Reactivation of neutralized influenza A virus by dilution. *J. Immun., Balt.*, 1941, 40: 373-81.—**Woolpert, O. C., Schwab, J. L.** [et al.] Reactions of monkeys to experimental respiratory infections; response to influenza virus A. *Proc. Soc. Exp. Biol.*, N. Y., 1941, 48: 558-60.

Classification and type: Type B.

Burnet, F. M. Influenza virus B; observations on growth in chick embryos and on the occurrence of antibodies in Australian serum. *Med. J. Australia*, 1942, 1: 671-3.—**Eaton, M. D., & Beck, M. D.** A new strain of virus of influenza B isolated during an epidemic in California. *Proc. Soc. Exp. Biol.*, N. Y., 1941, 48: 177-80.—**Gordon, I.** Demonstration of antigenic differences between different strains of influenza B. *J. Immun., Balt.*, 1942, 44: 231-6.—**Oliphant, J. W., & Perrin, T. L.** The histopathology of type B, Lee strain, influenza in mice. *Pub. Health Rep., Wash.*, 1942, 57: 809-14, pl.

Cultivation.

Barykin, V., Shakhmalieva, A., & Bauer, E. [Culture of influenza virus] *J. mikrob., Moskva*, 1936, 17: 548-51.—**Burnet, F. M.** Propagation of the virus of epidemic influenza on the developing egg. *Med. J. Australia*, 1935, 2: 687-9. — Growth of influenza virus in the allantoic cavity of the chick embryo. *Austral. J. Exp. Biol.*, 1941, 19: 291-5.—**Francis, T., jr., & Magill, T. P.** Cultivation of human influenza virus in an artificial medium. *Science*, 1935, 82: 353.—**Nigg, C., Wilson, D. E., & Crowley, J. H.** Studies on the cultivation of influenza virus. *Am. J. Hyg.*, 1941, 34: Sect. B, 138-47.—**Pozerski, E.** Essai de culture microbienne dans un milieu dont la source de carbone est uniquement constituée par des savons. *C. rend. Soc. biol.*, 1937, 124: 1153-5.—**Smith, W.** Cultivation of the virus of influenza. *Brit. J. Exp. Path.*,

1935, 16: 508-12.—**Woolpert, O. C., Gallagher, F. W.** [et al.] Propagation of the virus of human influenza in the guinea pig fetus. *Am. J. Path.*, 1938, 14: 636. Also *J. Exp. M.*, 1938, 68: 313-24.

Detection and titration.

Burnet, F. M. Influenza on the developing egg; titration of egg passage virus by the pock-counting method. *Austral. J. Exp. Biol.*, 1936, 14: 241-6. — & **Foley, M.** Two methods for the detection of influenza virus in human throat washings without the use of ferrets. *Med. J. Australia*, 1941, 1: 68-72.—**Colloidion** used in test for influenza virus. *Science News Lett.*, 1941, 40: 184.—**Hirst, G. K.** The quantitative determination of influenza virus and antibodies by means of red cell agglutination. *J. Bact., Balt.*, 1942, 43: 84. Also *J. Exp. M.*, 1942, 75: 49-64.—**Magill, T. P., & Francis, T., jr.** A flocculation phenomenon with human sera and suspensions of the virus of epidemic influenza. *Proc. Soc. Exp. Biol.*, N. Y., 1938-39, 39: 81-4.—**Taylor, R. M.** Detection of human influenza virus in throat washings by immunity response in Syrian hamster (*Cricetus auratus*) *Ibid.*, 1940, 43: 541. — & **Parodi, A. S.** Use of hamster, *Cricetus auratus*, for detection of influenza virus in throat washings. *Ibid.*, 1942, 49: 105-8.—**Tulloch, W. J.** Observations on the virus of influenza, with a view to elaborating a simple diagnostic test whereby its presence in the respiratory tract of man may be revealed. *Edinburgh M. J.*, 1939, 46: 117; 200; 278; 340; 415.

Immunology and serology.

Andrewes, C. H., & Smith, W. Influenza: further experiments on the active immunization of mice. *Brit. J. Exp. Path.*, 1937, 18: 43-55.—**Burnet, F. M.** Influenza on the developing egg; the neutralization of egg virus by immune sera. *Austral. J. Exp. Biol.*, 1936, 14: 247-58. — The specificity of active immunity in mice against influenza virus. *Brit. J. Exp. Path.*, 1938, 19: 388-92.—**Chait, S. L., Vinogradova, A. S.** [et al.] [Experimental active immunization against grippel] *J. mikrob., Moskva*, 1942, No. 3, 93-8.—**Chalkina, O. M.** [Immunological changes in the blood in man, vaccinated with virus of epidemic influenza] *Arkh. biol. nauk*, 1938, 52: 126-31. — [Evaluation of the efficacy of active immunization against epidemic grippel in experiments on ferrets] *Ibid.*, 1940, 59: 50-7.—**De Ritis, F.** Virus e immunologia dell'influenza. *Gior. batt. immun.*, 1938, 21: 605-24. — Ricerche sperimentali sul virus influenzale; immunizzazione con virus influenzale, coltivato in vitro, per via respiratoria. *Boll. Soc. ital. biol. sper.*, 1939, 14: 71-6.—**Dreguss, M., & Hoffmann, F.** Hyperimmunization of swine with human influenza virus. *Vet. Bull. Lond.*, 1942, 12: 211 (Abstr.).—**Dreguss, M., & Kovács, E.** Van-e immunitástani kapcsolat a Pfeiffer-bacillus és az influenza vírus között. *Bull. Hyg., Lond.*, 1942, 17: 580 (Abstr.).—**Eaton, M. D.** Strain-specificity of complement-fixation with sera of mice immune to the virus of influenza A and swine influenza. *J. Immun., Balt.*, 1941, 41: 383-90. — & **Beck, M. D.** Experimental immunization of mice with the virus of epidemic influenza; immunity after intranasal inoculation of mouse-passed, tissue-culture, and ferret-passed strains. *Ibid.*, 1940, 39: 57-64.—**Eaton, M. D., & Pearson, H. E.** Quantitative aspects of homologous and heterologous active immunity to strains of the virus of epidemic influenza. *J. Exp. M.*, 1940, 72: 635-43.—**Francis, T., jr.** Immunological relationships of strains of filtrable virus recovered from cases of human influenza. *Proc. Soc. Exp. Biol.*, N. Y., 1934-35, 32: 1172-5. — Quantitative relationships between the immunizing dose of epidemic influenza virus and the resultant immunity. *J. Exp. M.*, 1939, 69: 283-300. — Inactivation of epidemic influenza virus by nasal secretions of human individuals. *J. Bact., Balt.*, 1940, 39: 54. — & **Magill, T. P.** Immunological studies with the virus of influenza. *J. Exp. M.*, 1935, 62: 507-21. — & **Shope, R. E.** Neutralization tests with sera of convalescent or immunized animals and the viruses of swine and human influenza. *Ibid.*, 1936, 63: 645-53.—**Francis, T., jr., & Stuart-Harris, C. H.** Studies on the nasal histology of epidemic influenza virus infection in the ferret; histological and serological observations on ferrets receiving repeated inoculations of epidemic influenza virus. *Ibid.*, 1938, 68: 813-39, pl.—**Hare, R.** The effect of passive immunisation on experimental virus influenza in mice. *J. Path. Bact., Lond.*, 1939, 49: 411-28. — Active immunity to influenza virus in the mouse. *J. Immun., Balt.*, 1941, 40: 267-79.—**Henle, W., Stokes, J., jr., & Shaw, D. R.** Passive immunization of mice against human influenza virus by the intranasal route. *Ibid.*, 201-12.—**Horsfall, F. L., jr.** Neutralization of epidemic influenza virus; the linear relationship between the quantity of serum and the quantity of virus neutralized. *J. Exp. M.*, 1939, 70: 209-22. — & **Lennette, E. H.** The reinfection of ferrets convalescent from influenza. *J. Bact., Balt.*, 1940, 39: 56. — Production of immunity in ferrets against various strains of the virus of epidemic influenza. *Arch. Path., Chic.*, 1940, 29: 736.—**Jones, T. C., & Murrer, F. D.** Neutralization studies of the viruses of influenza A, influenza B and swine influenza with equine influenza convalescent sera. *Am. J. Vet. Res.*, 1942, 3: 179-82.—**Magill, T. P., & Francis, T., jr.** The action of immune serum on human influenza virus in vitro. *J. Exp. M.*, 1937, 65: 861-72.—**Oakley, C. L., & Warrack, G. H.** Immunity and antibody to influenza in mice. *J. Path. Bact., Lond.*, 1940, 50: 37-51.—**Shishkina,**

O. I. [Experimental data for evaluation of efficiency of various methods of active immunization against influenza virus infection in mice] *Ark. biol. nauk*, 1938, 52: 108-25.—Siegel, M., & Muckenfuss, R. S. Serological response and problems in evaluation of prophylactic value following human inoculation with influenza virus. *J. Bact.*, Balt., 1940, 39: 51.—Smith, W., Andrewes, C. H., & Laidlaw, P. P. Influenza: experiments on the immunization of ferrets and mice. *Brit. J. Exp. Path.*, 1935, 16: 291-302.—Smorodintsev, A. A., Ostrovskaia, S. M., & Chalkina, O. M. [Course of streptococcal and pneumococcal infection combined with influenza virus in the respiratory tract of mice, immunized against influenza] *Ark. biol. nauk*, 1938, 52: 73-85.—Stokes, J. jr., Henle, W., & Shaw, D. R. Studies on the passive immunization of mice against human influenza virus. *J. Bact.*, Balt., 1940, 39: 53.—Stuart-Harris, C. H., & Francis, T., jr. Studies on the nasal histology of epidemic influenza virus infection in the ferret; the resistance of regenerating respiratory epithelium to reinfection and to physicochemical injury. *J. Exp. M.*, 1938, 68: 803-12, 2 pl.—Taylor, R. M. Passive immunization against experimental infection of mice with influenza A virus; comparative effect of immune serum administered intranasally and intraabdominally. *J. Immun.*, Balt., 1941, 41: 453-62.—& Dreguss, M. An experiment in immunization against influenza with a formaldehyde-inactivated virus. *Am. J. Hyg.*, 1940, 31: Sect. B, 31-5.—Ungar, J., & Hunwick, R. F. The value of the non-specific factor in experimental immunization with influenza virus. *Brit. M. J.*, 1941, 2: 12.

Isolation, and purification.

Bijlmer, L., & Mulder, J. Eine einfache und schnelle Methode des Konservierens von Influenza-Virus. *Acta brev. neerl.*, 1941, 11: 81-4.—Chambers, L. A., & Henle, W. Precipitation of active influenza A virus from extra-embryonic fluids by protamine. *Proc. Soc. Exp. Biol.*, N. Y., 1941, 48: 481-3.—Francis, T., jr., & Magill, T. P. Direct isolation of human influenza virus in tissue culture medium and on egg membrane. *Ibid.*, 1937-38, 36: 134.—Francis, T., jr., & Salk, J. E. A simplified procedure for the concentration and purification of influenza virus. *Science*, 1942, 96: 499.—Hare, R., Auger, W. J., & McClelland, L. Studies on influenza; antibody level; isolation of virus. *Canad. Pub. Health J.*, 1942, 33: 72-8.—Hare, R., McClelland, L., & Morgan, J. A method for the concentration of influenza virus. *Ibid.*, 325-31.—Hirst, G. K., Rickard, E. R., & Whitman, L. A new method for concentrating influenza virus from allantoic fluid. *Proc. Soc. Exp. Biol.*, N. Y., 1942, 50: 129-33.—Krueger, A. P., Hope, J. W. [et al.] A method for the removal of bacterial contaminants from suspensions of influenza virus. *Science*, 1942, 96: 543.—Salk, J. E. Partial purification of the virus of epidemic influenza by adsorption on calcium phosphate. *Proc. Soc. Exp. Biol.*, N. Y., 1941, 46: 709-12.—Sarracino, J. B., & Soule, M. H. Isolation of virus from feces of mice receiving intranasal inoculations of epidemic influenza virus. *Ibid.*, 48: 188-91.—Schaeffer, M. Preparation of purified influenza virus. *Ibid.*, 1942, 51: 32-4.—Silber, L. A., Falkovich, L. I., & Arkhina, E. V. [Study of the virus of epidemic influenza; method of isolating influenza virus from man] *J. mikrob.*, Moskva, 1937, 18: 554-68.—Zeidenok, N. A., & Korshunova, S. S. [Isolation of gripe virus from patients by means of direct infection of mice and chick embryos] *Ark. biol. nauk*, 1940, 59: 38-43.

Pathogenicity.

Adams, E. B., & Woolpert, O. C. Method and study of hematological changes in white mice infected with the influenza virus. *J. Bact.*, Balt., 1943, 45: 83 (Abstr.).—Agapov, S. I. [Pathogenic properties of influenza virus of man and pigs] *J. mikrob.*, Moskva, 1936, 17: 543-7.—Barberis, L. U. Reperti istologici polmonari nei topi trattati col virus dell'influenza. *Gior. Accad. med. Torino*, 1937, 100: pt 2, 195-8.—Bijl, J. P., & Domisse, J. [On the infection of ferrets with the pharyngeal washings of gripe patients] *Antonie van Leeuwenhoek*, 1936, 3: 165-9.—Brightman, I. J. Streptococcus infection occurring in ferrets inoculated with human influenza virus. *Yale J. Biol.*, 1935-36, 8: 127-35.—Recovery of a filtrable virus from children with influenza; the experimental disease in ferrets. *Am. J. Dis. Child.*, 1936, 52: 78-91.—Burnet, F. M. Influenza virus on the developing egg: changes associated with the development of an egg-passage strain of virus. *Brit. J. Exp. Path.*, 1936, 17: 282-93.—Influenza virus on the developing egg: the pathogenicity and immunizing power of egg virus for ferrets and mice. *Ibid.*, 1937, 18: 37-43.—Influenza virus infections of the chick embryo lung. *Ibid.*, 1940, 21: 147-53, pl.—Influenza virus infections of the chick embryo by the amniotic route. *Austral. J. Exp. Biol.*, 1940, 18: 353-60; 1941, 19: 39-44.—& Foley, M. The results of intranasal inoculation of modified and unmodified influenza virus strains in human volunteers. *Med. J. Australia*, 1940, 2: 655-9.—Campbell, J. A. Influenza virus and the incidence of primary lung tumours in mice. *Lancet*, Lond., 1940, 2: 487.—Cerruti, C. F. La distribution du virus de la gripe chez la souris infectée. *C. rend. Soc. biol.*, 1937, 126: 500.—Daddi, G., & Panà, C. Le emorragie da virus influenzale nelle surrenali del topolino. *Boll. Accad. med. Roma*, 1937, 63: 130-3.—Dahl, M. K. [Histopathological characteristics of experimental influenza virus infection of white mice in association with streptopneumococcus] *Ark. biol. nauk*, 1938, 52:

86-107, 3 pl.—De Ritis & Stolfi. Contenuto degli organi in acido ascorbico nell'infezione sperimentale da virus influenzale. *Boll. Soc. ital. biol. sper.*, 1939, 14: 634.—Dettwiler, H. A., Hudson, N. P., & Woolpert, O. C. Influence of age on the susceptibility of the guinea pig to the virus of epidemic influenza. *J. Bact.*, Balt., 1940, 39: 56.—Dochez, A. R., Mills, K. C., & Mulliken, B. A virus disease of Swiss mice transmissible by intranasal inoculation. *Proc. Soc. Exp. Biol.*, N. Y., 1937, 36: 683-6.—Francis, T., jr. The nasal reaction of the ferret to infection with the virus of epidemic influenza. *Arch. Path.*, Chic., 1939, 28: 107-9.—& Stuart-Harris, C. H. Studies on the nasal histology of epidemic influenza virus infection in the ferret; the development and repair of the nasal lesion. *J. Exp. M.*, 1938, 68: 789-802, 4 pl.—Gottlieb, I. L., Korovin, A. A. [et al.] [Clinical observations of cases infected with influenza virus] *Sovet. vrach. J.*, 1937, 2: 419-32.—Hirst, G. K. Adsorption of influenza hemagglutinins and virus by red blood cells. *J. Exp. M.*, 1942, 76: 195-209.—Influenza virus infections of the chick embryo lung. *J. Am. M. Ass.*, 1941, 116: 1893.—Kairies, A. Influenzastudien an Mäusen unter dem Gesichtspunkt von Infektion und Provokation. *Zschr. Hyg.*, 1938-39, 121: 749-70.—Lozovaia, A. N. [Etiology of grippal outbreaks and experimental data on the adaptation of new species of animals to grippal virus] *J. mikrob.*, Moskva, 1942, No. 7, 69-71.—McClelland, L. Agglutination of red cells by influenza virus. *Canad. Pub. Health J.*, 1942, 33: 48.—McIntosh, J., & Selbie, F. R. The pathogenicity to animals of viruses isolated from cases of human influenza. *Brit. J. Exp. Path.*, 1937, 18: 334-44.—Nelson, A. A., & Oliphant, J. W. Histopathological changes in mice inoculated with influenza virus. *Pub. Health Rep.*, Wash., 1939, 54: 2041-54, 6 pl.—Perrin, T. L., & Oliphant, J. W. Pathologic histology of experimental virus influenza in ferrets. *Ibid.*, 1940, 55: 1077-86, 2 pl.—Rickard, E. R., & Francis, T., jr. The demonstration of lesions and virus in the lungs of mice receiving large intraperitoneal inoculations of epidemic influenza virus. *J. Exp. M.*, 1938, 67: 953-72.—Smorodintsev, A. A., & Ostrovskaia, S. M. The distribution of influenza virus in experimentally infected mice. *J. Path. Bact.*, Lond., 1937, 44: 559-66.—& Drobyshevskaya, A. I. [Course of secondary infectious processes in the lungs of white mice combined with influenza virus] *Ark. biol. nauk*, 1938, 52: 47-72.—[Distribution of influenza virus in the body of susceptible animals] *Ibid.*, 32-46.—Smorodintsev, A. A., Tushinsky, M. D. [et al.] Investigation on volunteers infected with the influenza virus. *Am. J. M. Sc.*, 1937, 194: 159-70.—[Clinical and laboratory features of affection caused by infection with influenza virus] *Klin. med.*, Moskva, 1937, 15: 371-82.—Stokes, J., jr., & Wolman, I. J. The probable synergism of human influenza virus and *Staphylococcus aureus* in a rapidly fatal respiratory infection. *Internat. Clin.*, 1940, n. ser., 1: 115-23, pl.—Straub, M. The microscopical changes in the lungs of mice infected with influenza virus. *J. Path. Bact.*, Lond., 1937, 45: 75-8, 4 pl.—The histology of catarrhal influenza bronchitis and collapse of the lung in mice infected with influenza virus. *Ibid.*, 1940, 50: 31-6, 2 pl.—Stuart-Harris, C. H. Influenza virus infection of rats and guinea-pigs. *Brit. J. Exp. Path.*, 1937, 18: 485-92.—Turumi, M., & Ogasawara, K. Studies on influenza virus; a minute corpuscle in lung lesion of mice infected by influenza virus. *Jap. J. M. Sc.*, 1938-40, 1: Bact. & Parasit., 153-8, pl.

Transmission [incl. susceptibility]

Air borne influenza virus. *J. Am. M. Ass.*, 1941, 117: 1541.—Cerruti, C. F., & Di Aichelburg, U. La réceptivité du lapin au virus de la gripe humaine. *C. rend. Soc. biol.*, 1937, 126: 501.—Dettwiler, H. A., Hudson, N. P., & Woolpert, O. C. The comparative susceptibility of fetal and postnatal guinea pigs to the virus of epidemic influenza. *J. Exp. M.*, 1940, 72: 623-34.—Dujarrie de la Rivière, R., & Chevê, J. Transmission au furet du virus de la gripe humaine. *Bull. Acad. méd., Par.*, 1936, 3. ser., 116: 408-15; 1937, 3. ser., 117: 183-5.—Eaton, M. D. Transmission of epidemic influenza virus in mice by contact. *J. Bact.*, Balt., 1940, 39: 229-41.—Martin, W. P., & Talbot, J. C. Susceptibility of kangaroo rats to strains of human influenza virus. *Proc. Soc. Exp. Biol.*, N. Y., 1941, 48: 181.—Francis, T., jr., & Magill, T. P. Direct transmission of human influenza virus to mice. *Ibid.*, 1937-38, 36: 132.—Gaminara, A. Pulx irritans puede transmitir la gripe? *An. Fac. med., Montev.*, 1920, 5: 215-26.—Long, P. H., Bliss, E. A., & Carpenter, H. M. Etiology of influenza; transmission experiments in chimpanzees with filtered material derived from human influenza. *J. Am. M. Ass.*, 1931, 97: 1122-7.—Shope, R. E. The infection of ferrets with swine influenza virus. *J. Exp. M.*, 1934, 60: 49-61, pl.—The susceptibility of swine to the virus of human influenza. *J. Bact.*, Balt., 1936, 31: 37.—Serological evidence for the occurrence of infection with human influenza virus in swine. *J. Exp. M.*, 1938, 67: 739-48.—& Francis, T., jr. The susceptibility of swine to the virus of human influenza. *Ibid.*, 1936, 64: 791-801, 4 pl.—Shubladze, A. K. On the susceptibility of animals to the virus of influenza. *C. rend. Acad. sc. URSS*, 1941, 32: 674-6.—Smith, W., & Stuart-Harris, C. H. Influenza infection of man from the ferret. *Lancet*, Lond., 1936, 2: 121-3.—Stuart-Harris, C. H. The transmission of influenza virus to hedgehogs. *Brit. J. Exp. Path.*, 1936, 17: 324-28.—Tang, F. F. The transmission of influenza virus W. S. to the Chinese mink and the David's squirrel. *Ibid.*, 1938, 19: 179-83.—Trillat, A., & Beauvillain, A. Essai de transmission aérienne de la gripe au furet par voie pulmonaire ou oculaire. *C. rend. Acad. sc.*, 1937, 205: 1186-

8. Also Rev. hyg., Par., 1938, 60: 104-7.—Valls Conforto, A. Inoculation du virus grippal. C. rend. Soc. biol., 1937, 126: 1230-2.—Vieuchange, J. Sur la sensibilité de certaines espèces simiennes, *Macacus rhesus*, en particulier, au virus grippal. Bull. Acad. méd., Par., 1939, 3. ser., 121: 100-8.—Wells, W. F., & Henle, W. Experimental air-borne disease; quantitative inoculation by inhalation of influenza virus. Proc. Soc. Exp. Biol., N. Y., 1941, 48: 298-301.—Yen, C. H. Susceptibility of Chinese hamsters to the mouse-passage virus of human influenza. Chin. M. J., 1940, 3: Suppl., 342-8, 2 pl.

Vaccine.

Acree, F. M. A vaccine for epidemic influenza; preliminary report. J. Arkansas M. Soc., 1941-42, 38: 61-3.—Andrewes, C. H., & Smith, W. The effect of foreign tissue extracts on the efficacy of influenza virus vaccines. Brit. J. Exp. Path., 1939, 20: 305-15.—Dalldorf, G., Whitney, E., & Ruskin, A. A controlled clinical test of influenza A vaccine. J. Am. M. Ass., 1941, 116: 2574-7.—Fairbrother, R. W. Active immunisation against epidemic influenza by means of elementary-body suspensions heated at 57° C. Lancet, Lond., 1938, 1: 1269-72.—Hoyle, L. Active immunization against experimental influenza: the use of heat-killed elementary body suspensions. Brit. J. Exp. Path., 1937, 18: 430-6.—Fairbrother, R. W., & Martin, A. E. Further observations on the value of heated elementary body suspensions in immunization against experimental influenza. Arch. Virusforsch., 1939, 1: 114-9.—Goodpasture, E. W. Flu vaccine may come. Science News Lett., 1939, 35: 213.—Horsfall, F. L., jr., Lennette, E. H., & Rickard, E. R. A complex vaccine against influenza A virus; quantitative analysis of the antibody response produced in man. J. Exp. M., 1941, 73: 335-55.—Influenza vaccine of Horsfall and Lennette. Chin. M. J., 1941, 59: 185 (microfilm).—New (A) complex influenza vaccine. J. Am. M. Ass., 1941, 116: 143.—New (A) vaccine against influenza. Science, 1941, 94: No. 2448, 10.—Vaccine for influenza is now ready for trial use. Science News Lett., 1936, 30: 292.

Viability.

Burnet, F. M., & Foley, M. Influenza virus infections of the chick embryo by the amniotic route; changes in the activity of influenza virus on continued amniotic passage. Austral. J. Exp. Biol., 1941, 19: 101-5.—Climenko, D. R. The in vitro action of certain sulfanilamide derivatives on the PR-8 strain of influenza virus. J. Pharm. Exp. Ther., 1940, 69: 165.—De Ritis, F. Ricerche sperimentali sul virus influenzale; azione del formolo e del calore sul potere immunizzante del virus. Boll. Soc. ital. biol. sper., 1939, 14: 76-9.—Stolfi, G. Resistenza ai raggi ultravioletti del virus influenzale. Ibid., 659-61.—Azione dell'estratto cortico-surrenale e dell'acido ascorbico sul decorso dell'infezione sperimentale da virus influenzale. Ibid., 662, pl.—Dunham, W. B., & MacNeal, W. J. Inactivation of influenza virus by mild antiseptics. J. Bact., Balt., 1942, 43: 85.—Edward, D. G. F. Resistance of influenza virus to drying and its demonstration on dust. Lancet, Lond., 1941, 2: 664-6.—Henle, W., & Zellat, J. Effect of propylene glycol aerosol on air-borne virus of influenza A. Proc. Soc. Exp. Biol., N. Y., 1941, 48: 544-7.—Krueger, A. P. The effects of certain detergents on influenza virus, types A and B. U. S. Nav. M. Bull., 1942, 40: 622-31.—Hope, J. W. [et al.]. Inactivation of influenza viruses by the human skin. Ibid., 839-46.—Ostrovskaja, S. M., Chalkina, O. M., & Olekhovich, S. B. [Resistance of influenzal virus against various physical and chemical agents] Arkh. biol. nauk, 1938, 52: 19-31.—Perez, M. Ricerche intorno all'azione in vitro dei preparati sulfamidici sul virus influenzale. Boll. Soc. ital. biol. sper., 1939, 14: 683-5.—Salk, J. E., Lavin, G. I., & Francis, T., jr. The antigenic potency of epidemic influenza virus following inactivation by ultraviolet radiation. J. Exp. M., 1940, 72: 729-45.—Sarracino, J. B., & Soule, M. H. Effect of heat, cold, fatigue and alcohol on resistance of mice to human influenza virus. Proc. Soc. Exp. Biol., N. Y., 1941, 48: 183-6.—Scherp, H. W., Flosdorf, E. W., & Shaw, D. R. The survival of the influenzal virus under various conditions. J. Immun., Balt., 1938, 34: 447-54.—Stock, C. C., & Francis, T., jr. The inactivation of the virus of epidemic influenza by soaps. J. Exp. M., 1940, 71: 661-81.—Taylor, R. M., & Dreguss, M. Serial passage of the human influenza virus in the European hamster (*Cricetus cricetus*) Proc. Soc. Exp. Biol., N. Y., 1940, 43: 100.—Vylezhanin, A. I. [Application of the adsorption method in investigations of grippes; viability of grippal virus in adsorbed state] J. mikrob., Moskva, 1942, No. 7, 72-4.—Wells, W. F., & Brown, H. W. Recovery of influenza virus suspended in air and its destruction by ultra-violet radiation. Am. J. Hyg., 1936, 24: 407-13.—Wheeler, A. H., & Nungester, W. J. Effect of mucin on influenza virus infection in hamsters. Science, 1942, 96: 92.

INFORMACIONES argentinas. B. Air., No. 1, 1938—

INFORMACION médica; revista mensual de medicina y cirugía. Valladolid, v.4-10, 1927-33.

INFORMATEUR (L') des aliénistes et des neurologistes. Par., v.15-20, No. 4, 1920-25.

Title changed to L'Hygiène mentale, has supplement called L'Encéphale.

INFORMATION service. N. Y., No. 4, 1941—

INFRACTION.

See Bone, Injuries; Fracture.

INFRAORBITAL nerve.

See also Maxillary nerve.

Bourdier, F. L'anesthésie sous-orbitaire. Vie méd., 1921, 2: 1575-8.—Cusenza, G. Rapporti non frequenti del nervo infraorbitario con la mucosa del seno mascellare e la loro importanza in rinologia. Arch. ital. otol., 1931, 43: 233-6.—Kino, F. Ueber die besondere Vulnerabilität des N. infraorbitalis bei stumpfen Kopfverletzungen. Deut. Zschr. Nervenl., 1929, 110: 191-4.—Lemoine, P., & Valois, G. Un nouveau procédé d'anesthésie du nerf sous-orbitaire. Ann. ocul., Par., 1921, 158: 194-7, pl.—Skilern, P. G. A new approach in induction of infraorbital nerve block. Arch. Neur. Psychiat., Chic., 1941, 46: 1076.

INFRA-RED ray.

See also Heat; Radiation; Radiotherapy.

Beese, N. C. Infrared radiation. Science, 1942, 95: 614-7.—Brambila, E. C. Los rayos infra-rojos. Rev. mens. cir., Guadalajara, 1935-36, 1: 99-111.—Dognon, A. Le rayonnement infra-rouge. Presse therm. chim., 1930, 71: 746-50.—Fabry, C. Remarques sur les radiations infrarouges. Ann. Inst. actin., Par., 1929, 3: 202-10.—Feinberg, L., & Glagolev, S. [Protective properties of colored glass in relation to infra-red rays] Gig. bezopas. pat. truda, 1930, 8: 29-39.—Furniss, A. The nature, properties and uses of infra-red and luminous rays. Brit. J. Phys. M., 1932, 7: 143.—Infra-red radiation in industry. Nature, Lond., 1942, 149: 192.—Kelley, I. V. Infra-red radiation. In her Textb. Nurs. Techn., 4. ed., Phila., 1940, 176.—Laquerrière, A., & Léonard, D. Les rayons infra-rouges. Union méd. Canada, 1932, 61: 1040.—Vaurabourg. Données pratiques sur les générateurs d'infra-rouge. Bull. Soc. radiol. méd. France, 1927, 15: 211-6.—Watters, B. D. H. The production of infra-red and ultra-violet radiation. Brit. J. Phys. M., 1935-36, 10: 96-8.

Biological effect.

See also Cataract, ultrared rays; Red light.

Josuran, K. *Experimentelle Untersuchungen über die Wirkung langwelliger (nicht penetrierender) ultraroter Strahlen auf Kaninchenaugen [Zürich] p.353-60. 8° Berl., 1933.

Also Arch. Ophth., 1933, 129:

MERKELBACH, O. Die biologische Bedeutung der infraroten Strahlen. 64p. 8° Basel, 1937.

Arthur, J. M. Some infra-red effects on green plants. In Biol. Effects Radiat. (Duggar, B. M.) N. Y., 1936, 2: 841-52.—Bakker, A. Ueber die Wirkung infraroter Strahlen auf die Kornea und die Linse von Kaninchen. Klin. Mbl. Augenh., 1940, 105: 620 (microfilm).—Biancani, E., & Biancani, H. Le rayonnement infra-rouge et son action physiologique. In Traité héliol. actin. (Brody, C.) Par., 1938, 1: 490-9.—Bücklers, M. Histologische Untersuchungen über die Schädigungen des Auges durch kurzwellige ultrarote Strahlen. Arch. Ophth., Berl., 1926, 117: 1-32.—Clausen, E. M. Effect of infra-red radiation on growth of rachitic rat. Proc. Soc. Exp. Biol., N. Y., 1928-29, 26: 77.—The use of isolated radiations in experiments with the rat; the effect of infra-red radiation on the growth of the rachitic rat. J. Nutr., 1929-30, 2: 125-53.—Elkins, E. C., & Sheard, C. The effect of infra-red irradiation on cutaneous temperatures. Arch. Phys. Ther., 1941, 22: 476-85.—Gjurić, P. M. Ueber einen Infrarotlichteffekt am quergestreiften Muskel. Strahlentherapie, 1933, 48: 397-400.—Hofmann, G. Untersuchungen über die Gewebeschädigung für rote und infrarote Strahlen. Ibid., 1939, 65: 477-99.—Kurliandskaia, E. B. [On the significance of the functional state of the organs and tissues in the mechanism of action of infra-red rays on the constitution] Fizioterapija, Moskva, 1939, No. 3, 15-22.—Luckiesh, M., & Moss, F. K. Infrared radiation and visual function. J. Optic. Soc. America, 1937, 27: 69-71.—Maleczynski, S., & Lankosz, J. La cholestérolémie après l'irradiation unique aux rayons infra-rouges chez les chiennes castrées. C. rend. Soc. biol., 1935, 118: 1367-9.—Martin, P. E., & Plan, P. Influence de l'irradiation infra-rouge sur la désintégration de protéines homologues injectées à un cobaye. Ibid., 1937, 124: 774-6.—Menkès, G. Les actions biologiques, physiologiques et pathologiques des rayons infra-rouges. Praxis, Bern, 1938, 27: 449-51.—Miescher, G. Die Wirkung von sichtbarem und infrarotem Licht auf die Haut. Kongrber. Internat. Kongr. Lichtforsch., 1936, 3. Congr., 144-51.—Hardmeyer, E., & Guggenheim, L. Ueber die Wirkung des weissen und infraroten Lichtes auf die Haut. Arch. Derm. Syph., Berl., 1936, 174: 445-64.—Möhling, R., & Witte, E. Ueber den Einfluss des sichtbaren und infraroten Lichtes einer neuen Bestrahlungsampe auf das Blutbild des Menschen. Strahlentherapie, 1937, 60: 142-51.—Molinari, J. L., & Montes de Martínez, A. Acción cicatrizante de los rayos infrarrojos. Rev. As. méd. argent., 1936, 50: 2147-54.—

- Nazarova, E. [Sterilization of wood by means of infra-red rays] Mikrobiologia, Moskva, 1936, 5: 59-65.—Nelson, C., & Brooks, S. C. Effect of infra-red light on subsequent fertilization of the eggs of certain marine invertebrates. Proc. Soc. Exp. Biol., N. Y., 1933, 30: 1007-9. — Effects of infra-red light on subsequent cleavage of the eggs of *Urechis caupo*. J. Exp. Biol., Lond., 1935, 12: 212-6.—Poznanskaia, N. B. [Sensitivity of the skin to visible and infra-red rays] Tr. Konf. med. biol., Kiev (1936) 1937, 106-11. — Nikitsky, I. N. [et al.] [Sensitivity of the skin to the visible infra-red rays] Shorn. Vsesoiuz. sezd. fiziol., 1937, 6. Congr., 309-12.—Princi, S., & Francesco, M. Il comportamento del sistema reticolo-istocitario negli organismi sottoposti all'azione dei raggi infrarossi. Boll. Soc. ital. biol. sper., 1936, 11: 368.—Princi, S., & Mantica, F. L'influenza dei raggi infrarossi sul sistema reticolo-istocitario della pelle. Ibid., 1935, 10: 748-51, pl.—Reviglio, G. M. Contributo clinico-sperimentale allo studio delle modificazioni esplicite dalle radiazioni infrarosse sull'azione biologica delle radiazioni ultraviolette. Attinoterapia, Nap., 1928, 8: 151-4. Also Atti Congr. ital. radiol. med., 1928, 8: pt 2, 189.—Toomey, J. A. Effect of infrared heat on localized poliomyelitis and neuritis. J. Pediatr., S. Louis, 1943, 22: 135-41.—Vámos, L. Ueber infrarot Strahlen in der dermatologischen Diagnostik. Deliber. Congr. dermat. internat. (1935) 1935-37, 9. Congr., 2: 781-5, 4 pl.—Vogt, A. Weitere experimentelle und anatomische Untersuchungen über die Schädigung des Auges durch ultraviolette Strahlen: Schädigung von Netzhaut und Aderhaut. Schweiz. med. Wschr., 1926, 56: 341. — Der Fundamentalversuch in der Biologie des Ultrarot. Ibid., 1933, 63: 194-6.—Wanick, H. Zu den beruflichen Schädigungen durch strahlende Wärme in Walzwerken; Hautkrebsbildung. Arch. Gewerbepath., 1940-41, 10: 486-90.
- **Photography.**
- ALVÁREZ, E. J. La fotografía infrarroja y su aplicación en medicina. 257p. 26cm. B. Air., 1938.
- HELVICH, O. Die Infrarot-Fotographie und ihre Anwendungsgebiete. 2. Aufl. 224p. 8° Harzburg, 1937.
- LÜBBERT, A. *Ueber die Verwendbarkeit der Infrarot-Photographie in der gerichtlichen Medizin [Göttingen] 26p. 8° Giessen, 1936.
- Beil, F. Die Infrarot-Photographie in der gerichtlichen Medizin und Kriminalistik. Arch. Krim., 1937, 100: 27; 179-94, 6 pl.—Bertrand, I., & Justin-Besançon, L. La micrographie en lumière infra-rouge; application à la cytologie rénale. Bull. histol. appl., Par., 1929, 6: 376-90, 4 pl. — Utilisation de la lumière infra-rouge pour l'étude histophysiologique du tube contourné du rein. Abstr. Internat. Physiol. Congr., 1929, 13. Congr., 24.—Brooker, L. G. S., Hamer, F. M., & Mees, C. E. K. Recent advances in sensitizers for the photography of the infrared. J. Optic. Soc. America, 1933, 23: 216-22.—Clark, W. Infra-red photography. J. Biol. Photogr. Ass., 1934, 2: 119-29. Also J. Techn. Meth., Toronto, 1935, No. 14, 59-63.—Corrigan, J. F. Photography in the infra-red. Discovery, Lond., 1929, 10: 238-40.—Del Picchia Filho, J. A fotografia infra-vermelha aplicada aos documentos. Arq. políc. civ. S. Paulo, 1942, 3: 81-100.—Dhéré, C., & Biermacher, O. Sur le choix des raies de référence spectrales dans l'étude du tout proche infrarouge (infrarouge photographique) spécialement pour la détermination des spectres de fluorescence. C. rend. Soc. biol., 1935, 120: 1162-6.—Dieterle, W., & Zeh, W. Les limites de la photographie infrarouge. P. verb. Congr. internat. photogr. (1935) 1936, 9. Congr., 188-97 [Discussion] 836.—Eggert, J. Einige neue Anwendungen der Infrarot-photographie. Naturwissenschaften, 1935, 23: 281-6. — Die Ultrarotphotographie in der Medizin. Strahlentherapie, 1939, 66: 663-71.—Feldman, J. B. A review of infra-red photography. Arch. Ophth. Chic., 1936, 15: 435-42, 9 pl.—Folco, D. La fotografia all'infrarosso ed all'ultravioletto al servizio della criminalistica. Arch. antrop. crim., Milano, 1938, 58: 881-94.—Hémarinquer, P. Les radiations infra-rouges et les récents progrès de la photographie dans l'infra-rouge. Rev. sc., Par., 1937, 72: 214-21.—Infrared photographs aid in diagnosis. Science News Lett., 1934, 25: 261.—Laurnagaray, J. M. Aplicación de la fotografía infrarroja a la medicina legal. Sem. méd., B. Air., 1934, 41: pt 2, 1887-90.—Lewin, L., Mielche, A., & Stenger, E. Ueber die Sensibilisierung von photographischen Platten für das äusserste Rot und Infrarot. Arch. ges. Physiol., 1911, 142: 403.—Massopust, L. C. Infra-red photography. Radiogr. Clin. Photogr., 1934, 10: No. 4, 2-6. — The use of the infra-red plate in photomicrography. J. Biol. Photogr. Ass., 1936-37, 5: 20-4. — Photographic images obtained in total darkness by both penetration and reflection of infra-red radiation. Radiology, 1937, 29: 79-82. — Infra-red photography of gross anatomic specimens. Arch. Path., Chic., 1937, 23: 67-70. — Infra-red photography: quality of infra-red and manner in which they are used in photography as applied to medicine. Bull. Onondaga Co. M. Soc., 1937, Suppl., Oct., 5-8.—Plotnikow, J. Ultrarotphotographie in Medizin, Biologie usw. Kongr. Internat. Kongr. Lichtforsch., 1936, 3. Congr., 220-6. — Splait, L., & Piantanida, M. Ueber Photographieren mit Wärmestrahlen. Fortschr. Röntgenstrahl., 1928, 38: 531-3.—Prat, S. Botanical photography with infra-red light. J. Biol. Photogr. Ass., 1935-36, 4: 191-201.—Preissecker, E. Ueber Mikrophotographie im infraroten Licht. Wien. klin. Wschr., 1931, 44: 1458-60, pl.—Rodenacker, G. Die Bedeutung der Infrarotphotographie für die Medizin. Zschr. ärztl. Fortbild., 1936, 33: 23-6.—Royce, C. E. Infra-red photography of gross specimens. J. Techn. Meth., Toronto, 1939, 19: 55-7.—Ter Louw, A. New type material for infrared medical photography. Radiogr. Clin. Photogr., 1938, 14: 16-8.—Tonzi, S., & Viterbi, E. La fotografia dei vegetali mediante le radiazioni infrarosse. Atti Congr. internaz. elettrodiab., 1934, 1. Congr., 1: 459-63.—Viterbi, E., & Circolini, W. La fotografia con l'infrarosso utilizzata in ricerche anatomiche. Boll. Soc. ital. biol. sper., 1934, 9: 97. — L'opacità differenziale all'infrarosso utilizzata in ricerche anatomiche. Monit. zool. ital., 1934, 45: 12-7.—Weisswange, W., & Friedrich, A. Versuche mit Infrarotaufnahmen in der Medizin. Deut. med. Wschr., 1936, 62: 1540-2.
- **Physical and chemical properties.**
- SUTHERLAND, G. B. B. M. Infra-red and Raman spectra. 112p. 17½cm. Lond. [1935]
- Andrews, D. H., Brucksch, W. F., jr. [et al.] Attenuated superconductors for measuring infrared radiation. Rev. Sc. Instrum., 1942, 13: 281-92.—Auméras, M., & Vergnoux, A. M. Sur une technique d'étude de l'absorption dans l'infrarouge des substances organiques. Bull. Soc. chim. France, 1937, 5, ser., 4: Mém., 825-38.—Bloch, B., & Errera, J. L'influence de la température sur l'absorption des liquides organiques dans l'infrarouge proche. C. rend. Acad. sc., 1934, 199: 713-5. Also J. phys. radium, Par., 1935, 7, ser., 6: 154-8.—Cartwright, C. H. Extreme infra-red investigation of hindered rotation in water. Nature, Lond., 1935, 135: 872. — & Errera, J. Extreme infra-red dispersion of polar and non-polar liquids. Proc. R. Soc., Lond., 1936, ser. A, 154: 138-57.—Cassie, A. B. D. Investigations in the infra-red region of the spectrum: the absorption spectrum and molecular structure of boron trichloride, and the effect of strain on plane groups of the type XY₃. Ibid., 1935, ser. A, 148: 87-103.—Cipriani, M. Fisica dei raggi infrarossi, visibili ed ultravioletti. Raggi ultravioletti, 1932, 8: 129-39.—Corin, C. Etude de quelques spectres dans l'infrarouge proche. J. chim. phys., Par., 1936, 33: 448-75.—Devaux, J. Etude du rayonnement infrarouge émis par l'atmosphère terrestre. Presse therm. clim., 1932, 73: 557. — Etude du spectre infrarouge lointain du soleil. C. rend. Acad. sc., 1934, 198: 1595.—Dreisch, T., & Kallischeuer, O. Die Absorption anorganischen Farbsalzlösungen im nahen Ultrarot. Zschr. phys. Chem., Abt. B, 1930-40, 45: 19-41.—Ellis, J. W. Some infrared interference spectra. J. Optic. Soc. America, 1933, 23: 88-91.—Erokhin, P. M. [The prism as light-filter for infra-red rays] Izv. Donsk. gosud. univ. Rostov, 1925, 5: 31-3.—Francillon-Lobre, Saidman, & Moscovici. Sur l'absorption des rayons infra-rouges par les tissus. Ann. Inst. actin., Par., 1933-34, 8: No. 5, 1-5.—Freyman, R. Recherches sur le proche infrarouge. Ann. phys., Par., 1933, n. ser., 20: 243-345. — & Naherniac, A. Contribution à l'étude du spectre d'absorption infrarouge de quelques composés organiques cycliques et acycliques. J. phys. radium, Par., 1934, 7, ser., 5: 75-84.—Gigon, A., & Noverraz, M. Licht und Kohlenhydratstoffwechsel; zugleich Ergebnisse von Photographien mit infraroten Strahlen. Zschr. ges. exp. Med., 1930, 71: 525-37.—Hall, J. S. A comparison of the velocity of visual and infra-red light by an astronomical method. J. Franklin Inst., 1939, 228: 411-23.—Heintz, E. Analyse infra-rouge des spectres d'absorption entre 10 μ et 15 μ . Arch. phys. biol., Par., 1937, 14: 251-60. — Remarques sur les relations sérielles dans les spectres d'absorption infrarouge. Ibid., 278.—Hurst, C. The emission constants of metals in the near infra-red. Proc. R. Soc., Lond., 1933, ser. A, 142: 466-90.—Kingslake, R., & Conrady, H. G. A refractometer for the near infrared. J. Optic. Soc. America, 1937, 27: 257-62.—Lambert, P., & Lecomte, J. Contribution à l'étude des spectres d'absorption infra-rouges de carbures aliphatiques ou à noyaux II. Ann. phys., Par., 1938, 11, ser., 10: 503-82.—Liddel, U., & Wulf, O. R. The character of the absorption of some amines in the near infra-red. J. Am. Chem. Soc., 1933, 55: 3574-83.—McAlister, E. D., Matheson, G. L., & Sweeney, W. J. A large recording spectrograph for the infra-red to 15 μ . Rev. Sc. Instrum., 1941, 12: 314-9.—Martin, F. Recherches dans l'infra-rouge sur la luminescence résiduelle des cristaux et microcristaux photoluminescents. Rev. gén. sc. pur., 1930, 41: 529-31.—Massopust, L. C. The transmission of an invisible radiation through various chemical solutions as recorded by the infra-red plate. Radiology, 1937, 29: 551-5.—Merkelbach, O. Hauptpigment und Dopa-Melanin; ihre Absorption und Reflexion im infraroten Strahlenbereich. Radiol. Clin., Basel, 1939, 8: 13-26.—Nielsen, H. H. Measurement of the infra-red absorption band spectra of polyatomic molecules under high dispersion. Yearb. Am. Philos. Soc. (1940) 1941, 227.—Pfund, A. H. Rayleigh's law of scattering in the infrared. J. Optic. Soc. America, 1934, 24: 143-6. — The dispersion of CS₂ and CCl₄ in the infrared. Ibid., 1935, 25: 351-4.—Raman, C. V. X-rays, crystals and the infra-red spectrum. Current Sci., Bangalore, 1941, 10: 473-5.—Ratti, A., & Silvestri, B. Ricerche sperimentali su di un presunto antagonismo fra i raggi röntgen e i raggi infrarossi. Radiol. med., Milano, 1937, 24: 1-16.—Smith, L. G. A recording echellette grating spectrometer for the near infra-red. Rev. Sc. Instrum., 1942, 13: 54-62. — A new source for

infra-red spectrometers. *Ibid.*, 63. — An infra-red absorption cell for gases at high and low temperatures. *Ibid.*, 65-7.—**Smith, P. N., & Hayes, H. V.** Transmission of infra-red radiation through fog. *J. Optic. Soc. America*, 1940, 30: 332-7.—**Taylor, H. J.** The transmission of infra-red radiation by a thin layer of horn. *Proc. R. Soc., Lond.*, 1933, ser. A, 142: 598-605.—**Vaurabourg.** Le rayonnement infra-rouge, son absorption par différents milieux. *Bull. Soc. radiol. méd. France*, 1927, 15: 149-53. — Répartition énergétique des radiations émises par les différents générateurs d'infra-rouge. *Ibid.*, 162-5.—**Viès, F.** Sur les relations entre les constantes électrochimiques, le spectre infrarouge, et les propriétés réactionnelles. *C. rend. Acad. sc.*, 1935, 201: 1475-7.—**Volkov, N. A.** Ueber die Absorption infraroter Strahlen durch einige Nadelholzgewächse. *Bull. biol. méd. exp. URSS*, 1936, 1: 389.

— Therapeutic use.

BEAUMONT, W. Infra-red irradiation. 139p. 8° Lond., 1936. Also 2. ed. 159p. 19cm. 1939.

DRESSLER, T. *Die bisherigen experimentellen Grundlagen für die therapeutische Wirkung der Wärmestrahlen. 40p. 8° Freib. i. B., 1926.

TROUP, W. A. Therapeutic uses of infra-red rays. 2. ed. 90p. 8° Lond., 1934.

Aloe glow-bar infrared lamp acceptable. *J. Am. M. Ass.*, 1942, 119: 414.—**Baar, V.** Ultrarotlichtlampe. *Wien. med. Wschr.*, 1930, 80: 416.—**Barnes, R. B., & Bonner, L. G.** Filters for the infrared. *J. Optic. Soc. America*, 1936, 26: 428-33.—**Benoit, C.** Action thérapeutique des infra-rouges en association avec les ultra-violettes. *Rev. actin.*, Par., 1926, 2: 100-5.—**Biancani, E., & Biancani, H.** Les rayons infra-rouges; quelques données physiologiques et thérapeutiques; les infra-rouges en dermatologie. *Rev. fr. derm. vénér.*, 1929, 5: 258-75.—**Boynton, B. L.** Infra-red heating over taped surfaces. *Arch. Phys. Ther.*, 1940, 21: 733-7.—**Echtman, J.** Therapeutic indications of infra-red radiation. *Med. Times, N. Y.*, 1935, 63: 171.—**Erlach, A.** Strahlenfilter für das infrarote und rote Spektralgebiet. *Strahlentherapie*, 1937, 59: 562.—**Halluin, d'** Les radiations infra-rouges. In *Traité héliotactin*. (Brody, C.) Par., 1938, 1: 259-76.—**Latimer, R. A.** Increased industrial activity expands infra-red lamp market. *Surg. Business*, 1942, 5: No. 5, 12.—**Malpractice;** patient burned by infra-red lamp. [California] *J. Am. M. Ass.*, 1938, 110: 1703.—**Merkelbach, O.** Strahlenfilter für das infrarote und rote Spektralgebiet. *Strahlentherapie*, 1936, 57: 689-702.—**Powder Newton, E., & Linzoain, A.** Los rayos infrarrojos y el síntoma dolor. *Crón. méd. mex.*, 1935, 34: 14-6.—**Rocchi, G.** Actinoterapia infrarossa di corta lunghezza di onda. *Bull. sc. med. Bologna*, 1928, ser. 10, 6: 439-44.—**Rogers, H. D.** Factors determining the selection of infra-red sources for therapeutic use. *Army M. Bull.*, 1936, 35: 28-46. Also *Mil. Surgeon*, 1936, 79: 102-16.—**Saidman, J.** Infra-red rays; their physical bases and therapeutic uses. *Brit. J. Actinother.*, 1928-29, 3: 46-50.—**Troup, W. A.** Infra-red irradiation. *Brit. J. Phys. M.*, 1935-36, 10: 94.—**Warnshuis, G. J.** The anti-phlogistic action of infrared rays. *Arch. Phys. Ther.*, 1931, 22: 665-7.—**Watters, B. D. H.** Infra-red radiations. *Brit. J. Actinother.*, 1929, 3: 249; 4: 41.—**Wedlick, L. T.** Infra-red therapy. *Melbourne Hosp. Clin. Rep.*, 1938, 9: 156-8.

INFRAOENTGEN ray.

See under Roentgen ray.

INFRASPINATUS muscle.

See also Arm, Muscles and movements; Humerus, Tubercula and tuberosities; Scapula.

André-Thomas. La paralysie del muscolo sottoscapolo. *Gazz. osp.*, 1937, 58: 62-4.—**Wakeley, C. P. G.** A case of sarcoma in the infraspinatus muscle. *Brit. J. Surg.*, 1938-39, 26: 439-42.

INFRATROCHLEAR nerve.

See under Nasal nerve.

INFUNDIBULO-PELVIC ligament.

See under Broad ligament; Pelvis.

INFUNDIBULUM.

See Brain, Diencephalon: Infundibulum.

INFUSION.

See Enema; Injection.

INFUSION [pharm.]

See also Drug, Preparing; Extract; also under names of drugs as *Ipecacuanha*, etc.

LEGOIX, L. *Recherches sur les propriétés physico-chimiques d'infusions de plantes à propriétés pharmacologiques importantes. 70p. 25cm. Nancy, 1934.

Bullock, K. The preservation of concentrated infusions; the types of micro-organisms present on quassia and calumba and their inhibition by means of alcohol. *Q. J. Pharm.*, Lond., 1942, 15: 41-50. — & **Elsdon, C. J. L.** The preservation of concentrated and fresh infusions; the applications of heat and alcohol. *Ibid.*, 1937, 10: 413-38.—**Bullock, K., & Lightbown, J. W.** The preservation of concentrated infusions; chemical preservatives other than alcohol. *Ibid.*, 1942, 15: 51-60. — Spray drying of infusions and extracts. *Pharm. J., Lond.*, 1942, 95: 38.—**Concentrated infusions** (Pharmacopoeia revision, pharmacy sub-committee) Australas. *J. Pharm.*, 1931, n. ser., 12: 1031.—**Schulek, E.** [Ein einfacher Apparat zur vorschriftsmässigen Bereitung von Aufgüssen und Abkochungen] *Orsz. Közegészs. Int. közl.*, 1937, 10: No. 23, 1.—**Weber, L. L., & Legoix, L.** Sur les tensions superficielles d'infusions de plantes médicinales. *J. pharm. chim.*, Par., 1936, 8. ser., 24: 441-52. — Etudes de perméabilité avec des infusions de plantes médicinales. *Ibid.*, 563-9.

INFUSORIA.

See Ciliophora.

INGALLS, Phineas Henry, 1856-1933.

Miller, J. R. [Biography] *Tr. Am. Gyn. Soc.*, 1934, 59: 345-7, portr.

INGALLS, William, 1812-1903.

For obituary see *Q. Harvard M. Alumni Ass.*, 1901-4, 774-7.

INGE, William Ralph, 1860- Science and ultimate truth; Fison memorial lecture, 1926, delivered at Guy's Hospital Medical School, March 25, 1926. 32p. 8° Lond., Longmans, Green & co., 1926.

INGEBRIGTSEN, Ragnvald, 1882-

Portrait. In *Norges laeger* (Kobro, I.) Krist., 1915, 1: 580.

INGEBRITSEN, Otis Clarence, 1893-

Coordinating mechanisms of the spinal cord. p.483-555. 8° Worcester, Clark Univ., 1933.

Forms: No. 6, v.13, Genet. Psychol. Monogr.

INGELRANS, Pierre [M.D. 1924] La sacro-coxalgie et son traitement. x, 140p. 7 pl. 8° Par., Masson & cie., 1930.

INGELS, Arne Ely.

Portrait. In *Norges laeger* (Kobro, I.) Oslo, 1927, Suppl., 165.

INGEN, Andries Simon van. *Prolapsus funiculi. 96p. 24cm. Leiden, G. Los, 1908.

INGENHOUSZ, Jan, 1730-99.

For portrait (lithograph from an engraving) see Collection in Library.

INGENIEROS, José, 1877-1926.

Bagú, S. Vida ejemplar de José Ingenieros. *San. méd.*, B. Air., 1936, 43: pt 2, 1799.—**Bermann, G.** La obra científica de José Ingenieros. *Ibid.*, 1929, 26: pt 2, 121-39.—**Delgado, H. F.** Necrología. *Rev. crim.*, B. Air., 1926, 13: 257-79.—**Mandolini, H.** La personalidad de Ingenieros. *Ibid.*, 641-6.

INGEPASS, Johannes, 1911-

*Ueber den Einfluss von Morphin und Narkotin auf den Sauerstoffverbrauch überlebender Gewebe [Münster] 15p. 21cm. Werne a. d. Lippe, F. Grube, 1935.

INGERFURTH, Heinrich, 1906- *Die bogenförmige Resektion des Kniegelenks nach Helferich [Kiel] 22p. 8° Würzb., R. Mayr, 1933.

INGERSOLL, A. J. In health. 3. ed. 220p. 8° Corning, N. Y., Author, 1884.

INGERSOLL, John Marvin, 1869-

For portrait see *Nu Sigma Nu Bull.*, 1942, 31: 165.

INGERSOLL, Luman C. Dental science; questions and answers on dental materia medica, dental physiology, dental pathology and therapeutics. 136p. 8° Keokuk, Ia., R. B. Ogden & son, 1886.

INGHAM, Samuel Deluccena, 1876-
Editor of Bulletin of the Los Angeles Neurological Society.
Los Ang., v.1 2, 1936-37.
See also Nielsen, J. M., & Rand, C. W. Biography.
Bull. Los Angeles Neur. Soc., 1942, 7: 157-60, portr.

INGIER, Alexandra Felicité Willeminot, 1867-
Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 580.

INGIER, Christopher, 1829-88.
Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 581.

INGLENOOK doctor book; choice recipes contributed by sisters of the Brethren Church, subscribers and friends of the Inglenook Magazine. iv, 156p. 8°. Elgin, Ill., Brethren Pub. House, 1903.

INGLESSIS, Hippocrate, 1913- *Con-
tribution à l'étude des iléites terminales. 115p.
2 pl. 25cm. Lyon, M. & L. Riou, 1938.

INGLIS, Elsie Maud, 1864-1919.

For biography see Med. Woman J., 1937, 44: 171.

INGLIS, Keith. Paget's disease of the nipple, and its relation to surface cancers and precancerous states in general. xi, 233p. illust. 8°. Lond., H. Milford, 1936.

INGLIS, Otto Edward, 1864-

See Burchard, H. H., & Inglis, O. E. A text-book of dental pathology and therapeutics. 876p. 8°. Phila., 1926.

INGLIS, Russel Tracy, 1875-1937.

For obituary see N. Zealand M. J., 1937, 36: 140.

INGLIS, V. A.

See Leiper, R. T., & Inglis, V. A. Materials for a bibliography of the trematode infections of man. 53p. 8°. Lond., 1914.

INGRAHAM, Franc Douglas, 1898-

For portrait see Nu Sigma Nu Bull., 1942, 31: 302.

INGRAM, Ivan Nathaniel, 1904-

For portrait see Bull. Polk Co. M. Soc., 1942, 13: No. 8, 1.

INGRAM, James H., 1859-1934.

For obituary see China M. J., 1934, 48: 676; 699, portr.

INGRAM, Kenneth, 1882-

Sex-morality tomorrow. 175p. 18½cm. Lond., G. Allen & Unwin Ltd [1940]

INGRAM, Madelene Elliott. Principles of psychiatric nursing. xvii, 428p. illust. diagr. 20½cm. Phila., W. B. Saunders co., 1940.

INGRAM, Ruth. A manual of nursing techniques used at Washington University School of Nursing, St Louis, Mo. 145 l. 8°. Minneap., Burgess pub. co., 1936.

INGRAM, Walter Robinson, 1905-

See Fisher, C., Ingram, W. R., & Ranson, S. W. Diabetes insipidus and the neuro-hormonal control of water balance. 212p. 4°. Ann Arbor, 1938.

For portrait see Med. Bull. Univ. Iowa, 1940, June, 34.

INGRAM, William Wilson [M. D., Aberdeen, 1919] The diagnosis and treatment of diabetes and the use of high carbohydrate diets. 2. ed. x, 136p. tab. 12°. Sydney, Angus & Robertson, 1937.

INGRAM & Royle, Lond., Eng. Natural mineral waters: their properties and uses. 8. ed., rev. & enl. 68p. 8°. Lond., Ingram & Royle, 1886.

INGRAND, Henri, 1908- *Le Comité de salubrité de l'Assemblée nationale constituante, 1790-91. 172p. 8°. Par., Marcel Vigne, 1934.

INGRASSIA, Giovanni Filippo, 1510-80.

Capparoni, P. Giovan Filippo Ingrassia (circa 1510-80) In his Profili biobibl. med., Roma, 1932, 1: 42-4, portr.—Piraino, A. G. F. Ingrassia: L'Ippocrate siciliano del '500 e la sua opera. Cult. med. mod., Pal., 1936, 15: 270-8.—Rührh, J. [Biography] Am. J. Dis. Child., 1933, 45: 372.

INGS, George Arthur, 1860-1933.

For obituary see Canad. M. Ass. J., 1934, 30: 226.

INGUEN.

See Groin.

INGUINAL...

See under Groin.

INHALANT.

See also Anesthetic; Gas; Inhalation therapy, etc.

SEICHTER, J. *Beitrag zur Wirkung der Soleinhalation [Jena] 9p. 8° [Berl., 1928]

Aeroterapia; aire condensado y enrarecido. Arch. ter. méd. quir., Barcel., 1884-85, 3: 137; 150; 170.—**Badal, J.** [Inhalation of natural iodized water] Cas. léc. česk., 1940, 79: 543.—**Berndt, C.** Erfahrungen mit einer neuen Inhalations-Räucherkerze für medizinische Zwecke. Berl. tierärztl. Wschr., 1938, 54: 383.—**Della Cioppa, A.** Le acque minerali usate per via inalatoria in riflessi curativi, profilattici, sociali ed economici. Riv. idroclim., 1934, 45: 561-4.—**Diener, J.** Inhalation von Heilquellen. Zschr. wiss. Bäderk., 1930-31, 5: 47-52.—**Faber & Maisch.** Zwei Jahre Inhalationstherapie. Med. Korb. Württemberg, 1927, 97: 39-42.—**Farneti, P.** Crenoterapia inalatoria. Riv. idroclim., 1939, 50: 113-23.—**Hansen, R.** Carbo-proteinterapia inalatoria. Rev. As. méd. argent., 1932, 45: 61-76.—**Hník, J.** [Certain medicaments used in inhalation therapy] Cas. léc. česk., 1940, 79: 396-401.—**Langer, E.** Neue Gesichtspunkte für die Anwendung von Inspirolpräparaten. Aerztl. Rdseh., 1936, 46: 58-61.—**Leake, C. D.** The estimation of the safety margin of inhalation agents. Fed. Proc., Balt., 1942, 1: pt 2, 157 (Abstr.).—**Lebermann, F.** Zur Inhalations-Therapie. Med. Welt, 1931, 5: 562.—**Neefe, H.** Experimentelle Untersuchungen zur von Kapfischen Säuretherapie. Zbl. Bakt., 1. Abt., 1931, 121: 461-76.—**Novák, F. V.** [Radioactive inhalations] Cas. léc. česk., 1935, 74: 1232-6.—**Petrella, A.** Radioattività indotta e nebbie saline secche. Rass. ter. pat. clin., 1935, 7: 216-20.—**Piéry, M., Enseime, J., & Nury, D.** Action pulmonaire, lipidique, échanges gazeux, et action hématopoïétique de l'inhalation d'un brouillard chloruré sodique, Salins-Moutiers. Presse therm. clim., 1938, 79: 290-5.

INHALATION therapy.

See also Anesthetization; Fumigation; Insufflation; also names of inhalants.

GARELLI, G. Delle inalazioni minerali; memoria. 34p. 24cm. Tor., 1858.

LAZAROFF, T. *Experimenteller Beitrag zur Inhalationstherapie [Frankfurt a. M.] 16p. 8° Lpz., F. C. W. Vogel, 1927.

Also Arch. Ohr. & c. Heilk., 1928, 118: 64-77.

Adenskaia-Salganik, M. R. [Inhalation therapy] Vest. otorinol., 1937, 290-2.—**Biancani, E., & Biancani, H.** Médications gazeuses et brouillards médicamenteux. Presse therm. clim., 1937, 78: 113.—**Blumenfeld, F.** Ueber Inhalations-therapie. Aerztl. Rdseh., 1929, 39: 1.—**Boivie, V.** [Inhalation therapy] Hospitalstidende, 1930, 73: [Dansk Otolar. Selsk. Forh.] 85-8.—**Holst, M.** [Inhalation therapy] Ugeskr. laeger, 1933, 95: 9-16.—**Isserlin.** Inhalationstherapie. Zschr. ges. phys. Ther., 1929, 37: 172-80.—**Javůrek, J.** [Treatment by inhalations] Cas. léc. česk., 1927, 66: 519-21.—**Lockett, M. F.** Inhalation therapy. Brit. M. J., 1936, 2: 1251-4.—**Marcovigi Bertoloni, G.** Un triennio di cure inalatorie; statistiche e risultati. Boll. mal. orecchio, 1939, 57: 421-9.—**Martin, S. J.** Consultation record for inhalation therapy. Anesthesiology, 1942, 3: 579.—**Solis-Cohen, M.** Inhalation therapy. Praet. Libr. M. & S. (Appleton) N. Y., 1935, 8: 119-29.

Indication.

See also under names of diseases as Asthma; Lung, Abscess, etc.

Alexander, F. W. Inhalation therapy; its public health applications. Med. Off., Lond., 1928, 39: 247.—**Barach, A. L.** Recent advances in inhalation therapy in the treatment of cardiac and respiratory disease. N. York State J. M., 1937, 37: 1095-110.—**Biancani, E., Biancani, H., & Roussel, P.** Les micro-brouillards dans le traitement des affections broncho-pulmonaires. Bull. Acad. méd., Par., 1940, 123: 457-9.—**Della Cioppa, A.** La terapia inalatoria e sua importanza profilattica e curativa per le malattie dell'infanzia e dell'adolescenza. Riv. idroclim., 1939, 50: 216-24.—**Evers, A.** Die Bedeutung der Inhalationsbehandlung für die Praxis. Med. Welt, 1937, 11: 114-7.—**Hansen, R., & Aslan, M.** La vía inalatoria en el tratamiento del asma y las supuraciones bronco-pulmonares. Arch. argent. fisiol., 1942, 18: 436-9.—**Rhese.** Inhalationstherapie der oberen Luftwege; unter besonderer Berücksichtigung des Inhalatoriums von Bad Harzburg. Med. Welt, 1929, 3: 745; 818; 852.

Pharmacodynamics.

DURTESTE, R. *Pulvérisation électrique et absorption endo-pulmonaire. 68p. 24½cm. Lyon, 1938.

VERDAN, C. *Essai de chimiothérapie par inhalation. 35p. 23cm. Zür., 1935.

VOGT, T. *Zur Pharmakologie der Inhalation. 61p. 21cm. Tüb., 1938.

BURKHARDT, E. Ueber die elektrische Komponente bei der Inhalationsbehandlung. *Balneologie*, 1936, 3: 257-63.
 CASTEX, M. R., CAPDEHOURAT, E. L., & PEDACE, E. A. Inhalación de substancias nebulizadas; comprobación experimental de su poder de penetración a nivel del aparato respiratorio. *Prensa méd. argent.*, 1940, 27: pt 2, 2557-62.
 DAUTREBANDE, L., PHILIPPOU, E. [et al.] Nouvelle démonstration de la pénétration rapide dans l'économie générale d'agents pharmacodynamiques par voie transpulmonaire. *Bull. Acad. méd., Par.*, 1940, 123: 475. Also *Concours méd.*, 1940, 62: 1082.
 EVERS, A. Ueber Beeinflussung der Flimmerbewegung; ein Beitrag zum Verständnis der Inhalationswirkung. *Zschr. ges. phys. Ther.*, 1932, 42: 185-206.
 FISCHER, H. Grundlagen der Inhalationstherapie. *Schweiz. med. Wschr.*, 1942, 72: 232-9.
 HAUPT, A. Experimentelle Beiträge zur Frage über die Wirkungsweise von Inhalationen. *Zschr. Laryng.*, 1927-28, 16: 409.
 Lokale und allgemeine Einwirkung der Inhalationsbehandlung. *Zschr. wiss. Bäderk.*, 1927-28, 2: 908-11.
 MANCIOLI, M. Terapia inalatoria salsoiodica e variazioni della formula leucocitaria in rapporto alla pervietà del naso-faringe. *Valsalva*, 1932, 8: 210-20.
 SAWICZ, K. Forschungen über das Eindringen der Sole in das Ohr auf dem Wege der Nasen-inhalation. *Mscr. Ohrenh.*, 1933, 67: 226-9.
 SCHAFER, H., & FRIEDLÄNDER, K. Das Elektrofilter und seine Anwendung zur Bestimmung der Niederschlagsgrösse von Inhalationsnebeln in den Luftwegen. *Zschr. ges. exp. Med.*, 1926, 50: 64-72.
 SIEGEL, R. Studien über Inhalationsnebel. *Zschr. ges. phys. Ther.*, 1925-26, 31: 167-77.
 SPOTO, P. Ricerche qualitative e quantitative sulla penetrazione nel polmone di farmaci nebulizzati. *Boll. Soc. ital. biol. sper.*, 1930, 5: 815-7.
 UMANSKY, I. P. [Quantity and physical state of sprayed medicinal substances during inhalation] *J. ushn. nosov. gorlov. bolez.*, 1939, 16: 434-43.
 WIELAND, H. Pharmakologisches zur Inhalationstherapie. *Zschr. Laryng.*, 1927, 16: 23-30.
 YOSIDA, R. Ueber die Veränderung des Blutbildes durch die Inhalation der aromatischen Arzneimittel. *Polychin. Dairen*, 1928-30, 4: No. 33, 40.

— Technic.

See also **Aerothermotherapy**; **Bath** and sub-headings (gas; radioactive sulphur; thermal; vapor) **Hydrology**, medical; **Mineral water**, Therapeutic use, etc.

ADAMS, J. On medicinal inhalations, with description of an improved apparatus for the production of medicated vapours. 18p. 8°. Glasgow, 1868.

COLLISON, W. E. Inhalation therapy technique. 77p. 8°. Lond., 1935.

JACOBELLI, A. Risposta di confutazione alla dichiarazione del direttore Morgagni sopra l'atmometro. 16p. 22½cm. Nap., 1884.

MUSZKAT, A. Technik der Inhalationstherapie. 111p. 8°. Berl., 1923.

NIEMANN, A. *Experimentelle Untersuchungen über ein neues Verfahren der Trockeninhalation. 6p. 8°. [Gött.] 1920.

WALDENBURG. La medicazione pneumatica e gli apparecchi per la stressa. 15p. 22cm. Milano, 1877.

Biancani, E., Biancani, H. [et al.] Essais de thérapeutique transpulmonaire. *Bull. Acad. méd., Par.*, 1939, 3. sér., 121: 663.
 — Les micro-brouillards. *Paris méd.*, 1939, 111: 498-500.
 Castex, M. R., Capdehourat, E. L., & Lavarello, A. Técnica de las nebulizaciones y sus principales ventajas terapéuticas. *Arch. argent. enferm. ap. resp.*, 1941, 9: 12-28.
 Cawston, F. G. Snuffs instead of injections? *Pharm. J.*, Lond., 1942, 94: 46.
 Cecil, R. L., Barach, A. L. [et al.] Standards of effective administration of inhalational therapy. *J. Am. M. Ass.*, 1943, 121: 755-9.
 Chievsky, A. L. On the production of highly active, medicinal electrical substances for purposes of inhalation. *Acta med. scand.*, 1937, 91: 357-69.
 Dautrebande, L., Philippot, E. [et al.] Production d'aérosols médicamenteux; possibilités d'application thérapeutique. *Bull. Acad. méd., Par.*, 1940, 3. sér., 123: 379-83.
 Della Cioppa, A. Terapia inalatoria e tecnica delle inalazioni. *Riforma med.*, 1926, 42: 860.
 Diener, J. Die Einrichtung neuzeitlicher Inhalatoren in technischer und hygienischer Beziehung. *Fortsch. Ther.*, 1928, 4: 552-7.
 Dylewski, B. [Perfecting methods of thermal regulation of inhalants] *Nowiny lek.*, 1937, 49: 123-5.
 Evers, A. Technik der Inhalation. *Balneologie*, 1937, 4: 19-27.
 Feigen. Ueber Inhalationstechnik. *Zschr. wiss. Bäderk.*, 1929-30, 4: 1064-70.
 Hill, L. Inhalation treatment; notes on the inhalation department at the St John Clinic and Institute of Physical Medicine. *Brit. J. Phys. M.*, 1935-36, 10: 177.
 Keller, C. J. Das Inhalationsbad. *Münch. med. Wschr.*, 1936, 83: 2042-4.
 Kelley, I. V. Inhalations. In *her Textb. Nurs. Techn.*, 4. ed., Phila., 1940, 295-9.
 Kionka, H. Ueber Inhalationstherapie. *Fortsch. Ther.*, 1927, 3: 421-5.
 Laskowski, S. [Modern inhalatorium in Szczawnice] *Med. prakt., Poznań*, 1936, 10: 375-7.
 Laugier, H. Réflexions au sujet d'une pneumothermothérapie possible. *Rev. canad. biol.*, 1942, 1: 567-9.
 Leatham, H. W. Notes on the Duke-Fingard inhalation treatment. *Med. Press & Circ.*, Lond., 1938, 196: 403-6.
 Leschke, E. Ueber ein neues Verfahren der Inhalationstherapie mit Einatmen gasförmig verdampfter Medikamente. *Deut. med. Wschr.*, 1927, 53: 1602.
 Magne, H. Une nouvelle technique des inhalations thérapeutiques d'oxygène et d'acide carbonique. *Presse méd.*, 1934, 42: 1938-40.
 Malten, H. Die Wechselinhalation. *Münch. med. Wschr.*, 1926, 73: 1234.
 Maurer, E. Ueber Inhalationstechnik. *Gesundh. Ingenieur*, 1927, 50: 925-7.
 Also *Zschr. ges. Krankenhauswes.*, 1927, 23: 410-2.
 Means, J. H. A convenient technic for steam inhalations. *J. Am. M. Ass.*, 1929, 92: 649.
 — & Lerman, J. A convenient technique for steam inhalations for bed patients. *N. England J. M.*, 1932, 206: 124.
 Miller, A. H. The pneumatic institution of Thomas Beddoes at Clifton, 1798. *Ann. M. Hist.*, 1931, n. ser., 3: 253-60.
 Schultz, H., & Evers, A. Ueber Rauminhalation. *Münch. med. Wschr.*, 1936, 83: 431-3.
 Skript, O. O. [On the methods of inhalations] *Radianska med.*, 1940, 5: No. 3, 3-5. Also *Sovet. med.*, 1940, 4: No. 21, 35-7.

INHALER.

See also **Anesthetization**, **Apparatus**; **Atomizer**; **Inhalation therapy**, **Technic**; **Respirator**; **Vaporizer**.

LASAGNA, F. Un nuovo apparecchio elettrico per inalazioni. 4p. 8°. Parma, 1920.

B-K inhalator acceptable. *J. Am. M. Ass.*, 1936, 107: 790.
 B-K plant emergency inhalator acceptable. *Ibid.*, 1940, 114: 1633.
 B-L-B inhalation apparatus acceptable. *Ibid.*, 115: 1195.
 Borden, A. G. Nasal inhaler. U. S. Patent Off., 1935, No. 1,986,247.
 — Medicament holder for nasal inhalers. *Ibid.*, 1937, No. 2,084,299.
 Buys. Modification à l'appareil à inhalation de Kuhn. *Bull. Soc. belge otol.*, 1911, 16: pt 2, 52.
 Carey, G. Improved equipment for steam inhalations. *Am. J. Nurs.*, 1934, 34: 249.
 Carter, H. A. Colson safety inhalator acceptable. *J. Am. M. Ass.*, 1934, 102: 1760.
 Catt, S. G. Inhaler. U. S. Patent Off., 1938, No. 2,123,353.
 Clark duplex inhalator acceptable. *J. Am. M. Ass.*, 1939, 113: 1812.
 Clifford, P. J. Inhaler. U. S. Patent Off., 1938, No. 2,140,952.
 Colson safety inhalator, model NH-11, acceptable. *J. Am. M. Ass.*, 1937, 108: 2039.
 Corone, A. L'insufflateur de Cauterets. *Presse therm. clim.*, 1938, 79: 120-2.
 Crespo, J. E. Nasal inhaler. U. S. Patent Off., 1942, No. 2,277,390.
 Davis inhalator acceptable. *J. Am. M. Ass.*, 1940, 114: 412.
 Derham, P. A., & Newport, J. H. r. Inhaler. U. S. Patent Off., 1943, No. 2,310,681.
 E & J resuscitator and inhalator acceptable. *J. Am. M. Ass.*, 1939, 112: 1945.
 Erickson, C. N. Inhaling device. U. S. Patent Off., 1941, No. 2,245,658.
 Fox, S. L., & Cochlan, C. C. Nebulizing inhalator for medication. *Ibid.*, No. 2,266,704.
 Combination bulb and inhalation nebulizer for medicaments. *Ibid.*, No. 2,266,705.
 Nasal atomizing inhaler and dropper. *Ibid.*, No. 2,266,706.
 Francisco, C. H. Francisco, W., & Brown, L. Nasal inhaler. *Ibid.*, 1939, No. 2,168,705.
 1941, No. 2,245,969.
 Griffith, A. L. Inhaling device. *Ibid.*, 1939, No. 2,142,353.
 Hampstead, H. L. Inhalation apparatus. *Ibid.*, 1940, No. 2,202,701.
 Hausmann, M. Inhaling apparatus. *Ibid.*, 1938, No. 2,123,334.
 Heidbrink, J. A. Inhaler. *Ibid.*, No. 2,133,699.
 — Inhalation device for use in aviation at high altitudes. *Ibid.*, 1941, No. 2,248,349.
 Herbert, J. S. Inhalator. *Ibid.*, 1940, No. 2,199,724.
 Herczeg, J. Neuerung zur Inhalationstherapie der Gasophor Inhalator. *C. rend. Congr. internat. méd.*, 1910, 16. Congr., Sect. 5, 456-62.
 Hoffman, A. C. Nasal inhaler. U. S. Patent Off., 1940, No. 2,191,015; No. 2,191,016; 1941, No. 2,183,1.
 Holm, E. M. Inhaler. *Ibid.*, 1943, No. 2,309,846.
 Humphry, G. P. Simple inhaler. *Brit. M. J.*, 1938, 2: 1088.
 Johnson, W. G., & Kirkham, H. Inhalator. U. S. Patent Off., 1935, No. 2,023,324.
 Jones, R. L., & Teter, E. A. Inhalant device. *Ibid.*, 1940, No. 2,221,972.
 Langer, A., & Feller, A. [Radioactive inhalators] *Cas. lék. česk.*, 1937, 76: 117-9.
 Leenhouts, A., & Leenhouts, A. D. Inhaler. U. S. Patent Off., 1939, No. 2,168,573.
 Lombard, C. F. Inhaler. *Ibid.*, No. 2,178,800.
 Lufkin, G. Inhaler. *Ibid.*, 1941, No. 2,259,759.
 McGuire, C. V. Inhalant device. *Ibid.*, 1935, No. 1,998,327.
 McKay, G. W. Volatilizing apparatus. *Ibid.*, 1942, No. 2,303,855.
 Magee, C. L. Thermoinhaler. *Ibid.*, 1941, No. 2,241,356.
 Magne, H. Présentation d'un inhalateur alvéolaire pour oxygénothérapie ou carbogénothérapie. *Bull. Soc. méd. hôp. Paris*, 1934, 3. sér., 50: 1085-8.
 Miller, A. L. Combined inhalator and irradiator. U. S. Patent Off., 1940, No. 2,213,403.
 Morrison, A. R. Inhalator. *Ibid.*, 1941, No. 2,256,212.
 Morrison, G. E. Inhaler. *Ibid.*, 1936, No. 2,051,098.
 Myrick, G. H. Inhalator. *Ibid.*, 1939, No. 2,184,679.
 Parks, L. N. Inhaler. *Ibid.*, 1940, No. 2,215,188.
 Peirano, H. Apparatus for inhalations. *Ibid.*, 1941, No. 2,242,085.
 Pobirs, A. I. Sanitary guard for inhalers. *Ibid.*, 1938, No. 2,127,136.
 Rice, B. M. Inhalator. *Ibid.*, 1941, No. 2,241,522.
 Ritter. Ueber neue Apparate für pneumatische Einzelinhalationen. *Münch. med. Wschr.*, 1926, 73: 1220.
 Roe, W. C., & Roe, M. E. Inhalator. U. S. Patent Off., 1938, No.

2,136,085.—Rowe, L. Nasal appliance. *Ibid.*, 1941, No. 2,264,153.—Schiff, L. C. Inhalant dispenser. *Ibid.*, 1935, No. 2,012,522.—Séné, L. P. Apparatus for inhalations. *Ibid.*, 1938, No. 2,127,802.—Siltén, E. Inhalation apparatus. *Ibid.*, 1935, No. 2,021,332.—Strauch, C. B. Nasal inhaler. *Ibid.*, 1936, No. 2,057,397; 1937, No. 2,097,846.—Szurlo, J. [Author's apparatus for inhalation of vapors of the chloride and alkaline mineral waters and the Cicchocinel pulverizer]. *Acta baln. polon.*, 1939, 2: No. 7, 23-5.—Thometz, H. M. Inhaler. U. S. Patent Off., 1934, No. 1,985,001.—Thompson, G. S. Improved Clover's, or Hewitt's inhaler. *Lancet*, Lond., 1942, 1: 324.—Tobler, J. H. Nasal inhaler. U. S. Patent Off., 1939, No. 2,159,111.—Togawara, K. Klinische und experimentelle Studien mit unserem neu konstruierten Ion-inhalations-apparate. *Jap. J. M. Sc.*, 1936-38, 4: *Proc. Int. Med.*, 368.—Tompkins, E. H., & Hoffman, A. C. Inhaler container. U. S. Patent Off., 1942, No. 2,297,178.—Williams, E. R. A new adaptation of the Clover inhaler. *Brit. M. J.*, 1942, 1: 584.—Winder, G. I. Inhalator facepiece. U. S. Patent Off., 1939, No. 2,175,713.—Wolfe, J. R. Inhalation therapy applicator. *Ibid.*, 1941, No. 2,246,964.

INHERITANCE.

See Eugenics; Genetics; Heredity.

INHIBIN.

See under Testis.

INHIBITION [incl. repression]

See also under names of inhibited neural and mental processes.

WEBER, K. Inhibitorwirkungen. 191p. 25cm. Stuttgart., 1938.

Bucciardi, G. Ricerche sull'inibizione muscolare. *Boll. Soc. ital. biol. sper.*, 1930, 5: 572-81.—Curtis, H. S. Inhibition. *Pedag. Semin.*, Worcester, 1898-99, 6: 65-113.—German, K. I. [External inhibition in children of various ages]. *Arch. biol. nauk*, 1937, 47: No. 3, 52-60.—Gogava, M. [On general inhibition and release]. *Biull. eksp. biol. med.*, 1939, 7: 74-6.—Harris, D. F. What is inhibition? *Discovery*, Lond., 1926, 7: 198-203.—Hirschberg, E. Ueber nervöse Hemmungen. *Zschr. Biol.*, 1930-31, 91: 117-25.—Korzybski, A. On inhibition. In *his Science & Sanity*, 2, ed., N. Y., 1941, 341-57.—Myers, G. C. Infants' inhibition, a genetic study. *Pedag. Semin.*, Worcester, 1922, 29: 288-301.—Snow, R. Experiments on growth and inhibition; new phenomena of inhibition. *Proc. R. Soc., Lond.*, 1931, ser. B., 108: 305-16.

— central and neural.

Beritov, I. I., Bakuradze, A. [et al.] [Manifestations of general inhibition and release in the central nervous system]. *Sborn. Vsesoiuz. sezd. fiziol.*, 1937, 6. Congr., 1-10.—Bonnet, V., & Bremer, F. Du mécanisme de l'inhibition centrale. *C. rend. Soc. biol.*, 1939, 130: 760-7.—Bremer, F. Recherche sur les processus d'excitation et d'inhibition centrale. *Ann. physiol.*, Par., 1931, 7: 176-84. — Contribution à l'étude du phénomène de l'inhibition centrale. *C. rend. Soc. biol.*, 1931, 106: 465-9.—Denny-Brown, D. On inhibition as a reflex accompaniment of the tendon jerk and of other forms of active muscular response. *Proc. R. Soc., Lond.*, 1928, ser. B, 103: 321-36, 2 pl.—Dzidzishvili, N. N. [Correlation between excitation and inhibition in apex irritations]. *J. Physiol. USSR*, 1939, 26: 354-68.—Fearing, F. A critique of the experimental studies of cortical inhibition, with special reference to the knee jerk. *J. Comp. Psychol.*, 1927, 7: 285-96.—Feldman, A. B. The change of the effect produced by electric stimulation upon an afferent nerve during the Sechenov inhibition in a frog and during certain other forms of inhibition. *Bull. biol. méd. exp. URSS*, 1936, 2: 250. — Markelova, G. I. [et al.] [Characteristics of certain forms of central inhibition in the frog]. *Sborn. Vsesoiuz. sezd. fiziol.*, 1937, 6. Congr., 796-801.—Flachsbart-Kraft, F. Messung von Hemmungszeiten. *Zschr. Physiol. Physiol. Sinnesorg.*, 1. Abt., 1930, 117: 73-145.—Ivanov-Smolensky, A. G. [Experimental clinical investigation on protective inhibition]. *Arch. biol. nauk*, 1936, 42: 59-62.—Kaminsky, S. D., & Maiorov, F. P. [Training of cortical inhibition in excitable types; method for studying the differentiation inhibition in apes of excitable type]. *J. Physiol. USSR*, 1939, 26: 478-86.—Kaminsky, S. D., Volpe, V., & Bam, L. A. [Training of inhibition in excitable types; effect of suddenly prolonged action of inhibitory conditional stimulus on the inhibitory function of the cerebral hemispheres in apes]. *Ibid.*, 487-96.—Magnitsky, A. N. [Investigation of the nature of central inhibition]. *Arch. biol. nauk*, 1939, 54: No. 1, 153-64.—Marrazzi, A. S. The distribution and nature of ganglionic inhibition in the sympathetic system. *Fed. Physiol.*, Balt., 1942, 1: pt. 2, 57 (Abstr.).—Nikitin, N. N. [Functional nervous field and inhibition]. *Arch. biol. nauk*, 1934, ser. A, 35: 81-97.—Rozhansky, N., Garbman [et al.] [Inhibition processes in various parts of the central nervous system]. *Sborn. Vsesoiuz. sezd. fiziol.*, 1937, 6. Congr., 143-8.—Samoilov, A., & Kisselev, M. Zur Charakteristik der zentralen Hemmungsprozesse. *Arch. ges. Physiol.*, 1926-27, 215: 699-715.—Spencer, L. T. Central inhibition in the albino rat. *J. Comp. Psychol.*, 1923, 3: 389-

408.—Ukhtomsky, A. A. [From the history of the theory of nervous inhibition]. *Priroda*, Leningr., 1937, 26: 164-70.—Velinsky, S. Le caractère déviant de l'inhibition centrale. *Rapp. Congr. internat. psychol.* (1937) 1938, 11. Congr., 479-83.

— conditioned.

See also Conditioned reflex.

Jakovleva, V. V. [Determination of the lability of nervous processes in the dog by means of repeated transformation of the conditioned stimulus]. *Tr. Fiziol. lab. Pavlova*, 1938, 8: 32-42.—Martsinkevich, O. K., & Petrovsky, V. V. [Ueber die kombinierte Wirkung der bedingten Hemmung und Differenzierung]. *J. Physiol. USSR*, 1934, 17: 32-7.—Rodnick, E. H. Does the interval of delay of conditioned responses possess inhibitory properties? *J. Exp. Psychol.*, 1937, 20: 507-27.—Rosenthal, I. S. [Conditioned reflexes in dogs with one hemisphere; character of the process of inhibition]. *Arch. biol. nauk*, 1937, 46: No. 3, 47-52.—Wickens, D. D. The simultaneous transfer of conditioned excitation and conditioned inhibition. *J. Exp. Psychol.*, 1939, 24: 332-8.

— Disinhibition.

Dworkin, S., Baxt, J. O., & Gross, J. Deafness neurosis in the cat as a special form of disinhibition. *Fed. Proc.*, Balt., 1942, 1: pt. 2, 23 (Abstr.).—Horns, H. L., & Heron, W. T. A study of disinhibition in the white rat. *J. Comp. Psychol.*, 1940, 30: 97-102.—Reynolds, H. E. Further disinhibition phenomena in the maze behavior of the white rat. *Ibid.*, 1939, 27: 271-82.—Skinner, B. F. A failure to obtain disinhibition. *J. Gen. Psychol.*, 1936, 14: 127-35.—Wenger, M. A. External inhibition and disinhibition produced by duplicate stimuli. *Am. J. Psychol.*, 1936, 48: 446-56.

— Psychoanalytical aspect.

See also Conflict; Ego; Psychoneurosis; Subconscious.

Af Geijerstam, E. Zur Frage des Verdrängungsproblems. *Acta psychiat. neur.*, 1927, 2: 5-38.—Balthazard, V. Repression y anormales. *Rev. crim.*, B. Air., 1924, 11: 264-75.—Berkeley-Hill, O. Some reflections on the part played by inhibitions in the matter of sexual reciprocity. *Marriage Hyg.*, Bombay, 1935-36, 2: 145-50.—Bjerre, P. [Repression symptoms and their treatment]. *Hygiea*, Stockh., 1922, 84: 1069-40.—Connellan, P. S. Repression of painful memories. *Lancet*, Lond., 1924, 2: 833.—Deutsch, H. A discussion of certain forms of resistance. *Internat. J. Psychoanal.*, Lond., 1939, 20: 72-83. Also *Internat. Zschr. Psychoanal.*, Wien, 1939, 24: 10-20.—Freud, S. Inhibitions, symptoms and anxiety. *Psychoanal. Q.*, 1935, 4: 616; 1936, 5: 1; 261; 415.—Gould, R. Repression experimentally analyzed. *Character & Personality*, 1941-42, 10: 259-88.—Grinker, R. R. A comparison of psychological repression and neurological inhibition. *J. Nerv. Ment. Dis.*, 1939, 89: 765-81.—Guthrie, E. R. Associative inhibition. In *his Psychol. Human Conflict*, N. Y., 1938, 47-63.—Henning, H. Ueber innere Hemmungen. *Zschr. Psychol. Physiol. Sinnesorg.*, 1. Abt., 1928, 106: 23-57.—Hesnard, A. Les aspects multiples du refoulement. *J. psychol. norm. path.*, Par., 1923, 20: 585-9.—Hunt, J. R. Erethizophobia and kolyphrenia: a physiologic conception of psychologic types. *Tr. Am. Neur. Ass.*, 1932, 58: 614-28.—Laforge, R. Ueberlegungen zum Begriff der Verdrängung. *Internat. Zschr. Psychoanal.*, 1928, 14: 371-4.—Lundholm, H. Repression and rationalization. *Brit. J. M. Psychol.*, 1933, 13: 23-50.—McGrannan, D. V. A critical and experimental study of repression. *J. Abnorm. Psychol.*, 1940, 35: 212-25.—Marcuse, P. Psychische Erregung und Hemmung vom Standpunkt der Jodl'schen Psychologie. *Arch. Psychiat.*, Berl., 1914, 53: 262-74.—Oldfield, R. C. Some recent experiments bearing on internal inhibition. *Brit. J. Psychol.*, 1937-38, 28: 28-42.—Repressive influences and mental health. *Ment. Hyg. News*, Alb., 1934-35, 5: No. 3, 2.—Richter, A. Was ist Verdrängung? *Wien. med. Wschr.*, 1933, 83: 954-9.—Saussure, R. de. Instinct d'inhibition. *Rev. fr. psychanal.*, 1929, 3: 491-508.—Schröder, J. Ueber gelanknützliche Denkhemmung. *Zschr. ges. Neur. Psychiat.*, 1910, 2: 57-76.—Sears, R. R. Initiation of the repression sequence by experienced failure. *J. Exp. Psychol.*, 1937, 20: 570-80.—Stern, A. Freud's Inhibition, Symptom and Anxiety. *Psychoanal. Rev.*, 1927, 14: 207-37.—Tausk, V. Compensation as a means of discounting the motive of repression. *Internat. J. Psychoanal.*, Lond., 1924, 5: 130-40.—Travis, L. E., & Baruch, D. W. What happens after repression. In *their Personal Probl.*, N. Y., 1941, 93-103.—Wenger, M. A. A criticism of Pavlov's concept of internal inhibition. *Psychol. Rev.*, 1937, 44: 297-312.

— Psychology.

See also Hypnosis; Learning; Memory, etc.

Bills, A. G. Inhibition and facilitation. *Psychol. Bull.*, 1927, 24: 473-87.—Fernández España, G. La inhibición psicológica. *Rev. san. mil.*, Madr., 1918, 3. ser., 8: 185-90.—Houlahan, F. J. Immediacy of interpolation and amount of inhibition. *J. Educ. Psychol.*, 1941, 32: 37-44.—Jenkins, T. N. Facilitation and inhibition. *Arch. Psychol.*, N. Y., 1926, 14: 1-56.—Peak, H. Inhibition as a function of stimulus intensity. *Psychol. Monogr.*, 1936, 47: No. 2, 135-47.—Penrose,

L. S. Some experiments upon inhibition and suggestion. *Brit. J. Psychol.*, 1925-26, 16: Gen. Sect., 180-92.—**Robin, G.** Sur une forme nouvelle d'inhibition mentale chez l'enfant: l'inhibition épileptique ou épileptoïde; importance de son dépistage à l'âge scolaire. *Bull. Acad. med., Par.*, 1931, 3. ser., 104: 788-91.—**Skaggs, E. B.** The major descriptive categories of inhibition in psychology. *J. Abnorm. Psychol.*, 1929, 24: 310-7.—**Winsor, A. L.** Inhibition and learning. *Psychol. Rev.*, 1929, 36: 389-401.

— retroactive.

See also **Learning**.

Kennelly, T. W. The role of similarity in retroactive inhibition. 56p. 25½cm. N. Y., 1941.

Britt, S. H. Retroactive inhibition: a review of the literature. *Psychol. Bull.*, 1935, 32: 381-440. — Theories of retroactive inhibition. *Psychol. Rev.*, 1936, 43: 207-16.—**Bunch, M. E., & Winston, M. M.** The relationship between the character of the transfer and retroactive inhibition. *Am. J. Psychol.*, 1936, 48: 598-608.—**Buxton, C. E., & Henry, C. E.** Retroaction and gains in motor learning: similarity of interpolated task as a factor in gains. *J. Exp. Psychol.*, 1939, 25: 1-17.—**Frank, J. D., & Ludvig, E. J.** The retroactive effect of pleasant and unpleasant odors on learning. *Am. J. Psychol.*, 1931, 43: 102-8.—**Gibson, E. J.** Retroactive inhibition as a function of degree of generalization between tasks. *J. Exp. Psychol.*, 1941, 28: 93-115.—**Hinrich, W.** Zur Frage der rückwirkenden Hemmung (Versuche mit Kindern). *Zschr. Psychol. Physiol. Sinnesorg.*, 1. Abt., 1926, 99: 389-92.—**Johnson, L. M.** Similarity of meaning as a factor in retroactive inhibition. *J. Gen. Psychol.*, 1933, 9: 377-89.—**McGeoch, J. A.** The influence of degree of learning upon retroactive inhibition. *Am. J. Psychol.*, 1929, 41: 252-62.

— Studies in retroactive inhibition: the temporal course of the inhibitory effects of interpolated learning. *J. Gen. Psychol.*, 1933, 9: 24-43. — Studies in retroactive inhibition: relationships between temporal point of interpolation, length of interval, and amount of retroactive inhibition. *Ibid.*, 44-57. — Studies in retroactive inhibition: retroactive inhibition as a function of the length and frequency of presentation of the interpolated lists. *J. Exp. Psychol.*, 1936, 19: 674-93. — **McGeoch, G. O.** Studies in retroactive inhibition: the influence of the relative serial positions of interpolated synonyms. *Ibid.*, 1-23. — Studies in retroactive inhibition: the influence of similarity of meaning between lists of paired associates. *Ibid.*, 1937, 21: 320-9.—**McGeoch, J. A., & Sisson, E. D.** Studies in retroactive inhibition: the influence of the relative serial positions of interpolated synonyms in 20-item lists. *Ibid.*, 1938, 22: 547-54.—**McGeoch, J. A., McKinney, F., & Peters, H. N.** Studies in retroactive inhibition: retroactive inhibition, reproductive inhibition and reminiscence. *Ibid.*, 1937, 20: 131-43.—**Melton, A. W.** Retroactive and proactive inhibition in retention; evidence for a 2-factor theory of retroactive inhibition. *Am. J. Psychol.*, 1941, 54: 157-73. — Overt interlist intrusions and retroactive inhibition as a function of the ratio of the degrees of learning of original and interpolated verbal habits. *Psychol. Bull.*, 1941, 38: 575. — **Irwin, J. McQ.** The influence of degree of interpolated learning on retroactive inhibition and the overt transfer of specific responses. *Am. J. Psychol.*, 1940, 53: 173-203.—**Newman, E. B.** The temporal factor in retroactive inhibition. *Psychol. Bull.*, 1939, 36: 543.—**Philip, B. R.** Proactive and retroactive effects in the recognition of form. *J. Exp. Psychol.*, 1940, 26: 502-13.—**Prentice, W. C. H.** Retroactive inhibition and the interruption of tasks. *Psychol. Bull.*, 1942, 39: 496 (Abstr.).—**Razran, G. H. S.** Decremental and incremental effects of distracting stimuli upon the salivary CRs of 24 adult human subjects (inhibition and disinhibition?) *J. Exp. Psychol.*, 1939, 24: 647-52.—**Sand, M. C.** The effect of length of list upon retroactive inhibition when degree of learning is controlled. *Arch. Psychol.*, N. Y., 1939, No. 238, 5-49.—**Schmeidler, G. R.** Retroaction and proaction in serial learning. *Am. J. Psychol.*, 1939, 52: 592-600.—**Sisson, E. D.** Retroactive inhibition; serial versus random order of presentation of material. *J. Exp. Psychol.*, 1938, 23: 288-94. — Retroactive inhibition: the temporal position of interpolated activity. *Ibid.*, 1939, 25: 228-33.—**Skaggs, E. B.** The concept of retroactive inhibition. *Psychol. Rev.*, 1926, 33: 237-44.—**Zangwill, O. L.** The problem of retroactive inhibition in relation to recognition. *Rapp. Congr. internat. psychol.* (1937) 1938, 11. Congr., 498.

— Theory.

Agadjanian, K. Analyse physiologique et clinique des processus d'inhibition. *Encéphale*, 1931, 26: 689-700.—**Ashby, W. R.** On the nature of inhibition: a review. *J. Ment. Sc., Lond.*, 1934, 80: 198-222.—**Bogoslovsky, A. I.** [Inhibition of discrimination, recognition and differentiation; experimental examination] *J. Physiol. USSR*, 1940, 28: 283-91.—**Dodge, R.** The problem of inhibition. *Psychol. Rev.*, 1926, 33: 1-12. — Theories of inhibition; the refractory phase hypothesis of inhibition. *Ibid.*, 167-87.—**Kabanow, N.** Inhibition, réactions inverses, tonicité et processus trophiques. *Acta med. scand.*, 1936, 88: 407-26.—**McDougall, W.** The hypothesis of inhibition by drainage. *Psychol. Rev.*, 1926, 33: 370-4.

— The bearing of Professor Pavlov's work on the problem of inhibition. *J. Gen. Psychol.*, 1929, 2: 231-62.—**Nagge, J. W.** An experimental test of the theory of associative interference. *J. Exp. Psychol.*, 1935, 18: 663-82.—**Narbutovich, I. O.** [Overtension of the inhibitory process] *Tr. Fiziol. lab. Pavlova*, 1938, 8: 360-8.—**Oukhtomsky, A. A.** La labilité physiologique et l'acte d'inhibition. *Proc. Internat. Physiol. Congr.* (1935) 1938, 15. Congr., 611-5.—**Patrizi, M. L.** Sull'ipotesi umorale dell'inibizione cardiaca; e se sia estensibile ad ogni altro fenomeno inibitorio (esperienze e ragioni) *Rev. crim., B. Air.*, 1926, 13: num. extra., 135-9.—**Podkopaiev, N.** [On the moment, in which the irradiation of the inhibitory process begins] *In Sborn. Pavlova (Omeliansky & Orbeli) Leningr.*, 1924, 297-306.—**Zhukov, E. K., Gurkin, D. S.** [et al.] [On the factor of humoral inhibition] *Sborn. Vsesoiuz. sezd. fiziol.*, 1937, 6. Congr., 107-9.

— in animals.

Bam, L. A. [Effect of sodium bromide on differentiating inhibition in monkeys in relation to the strength of the inhibitory stimuli] *Arkh. biol. nauk*, 1937, 47: No. 3, 24-51.—**Buytendijk, F. J. J.** Ueber Hemmungen gewöhnlicher Bewegungen bei Tieren. *Arch. néerl. physiol.*, 1930, 15: 381-401.—**Crozier, W. J.** Reversal of inhibition by atropine, in caterpillars. *Biol. Bull.*, 1922, 43: 239-45.—**Frolov, J. P., & Kaku-zina, B. E.** [Peculiarities in the course of neurosis in a dog; various inhibition types due to the effect of acids as unconditioned stimulus] *In Probl. nevrast.* (Rosenstein, L. M., et al.) Moskva, 1935, 151-64.—**Knowlton, F. P., & Campbell, C. J.** Observations on peripheral inhibition in arthropods. *Am. J. Physiol.*, 1929, 91: 19-26.—**Maierov, F. P.** [Inertia of the inhibitory process in a dog of a marked balanced type] *Tr. Fiziol. lab. Pavlova*, 1938, 8: 139-47. — [Case of experimental neurosis caused by increased inhibition] *Ibid.*, 349-59.—**Moore, A. R.** On the nature and inhibition in *Pennatula*. *Am. J. Physiol.*, 1926, 76: 112-5.—**Ouchtomsky, A., & Vinogradov, M.** [Inertia of dominants, inhibition of foci of heightened irritability in the nerve currents] *In Sborn. Pavlova (Omeliansky & Orbeli) Leningr.*, 1924, 47-54.—**Schiche, O. E.** Ueber gewisse Hemmungsercheinungen bei Reaktionen des dressierten Hundes. *J. Psychol. Neur., Lpz.*, 1921-22, 27: 289-312.—**Strogaia, E. Z.** [Weak, inhibitory type of the nervous system of the dog] *Tr. Fiziol. lab. Pavlova*, 1938, 8: 293-8.

INHIBITOR nerve.

See **Heart nerves**, **Cardioinhibitors**.

INIENCEPHALUS.

See **Brain**, **Hernia**.

INION.

See **Craniology** [and **craniometry**] **Occipital bone**.

INITIAL body.

See **Inclusion body**; **Virus**.

INITIATION.

See also under related ethnological terms as **Circumcision**; **Infibulation**; **Puberty**, etc.

Beyer, G. Die Mannbarkeitsschule in Südafrika; speziell unter den Sotho in N. W. Transvaal. *Zschr. Ethnol.*, 1926, 58: 249-61, ill.—**Borgius, W.** Die Pubertätswaisen. *Zschr. Sexwiss.*, 1925, 12: 117-27.—**Brownlee, F.** The in-Tonjane ceremony, as observed in Fingoland. *Man, Lond.*, 1935, 35: 8.—**Drourega, M.** Initiation of a girl in the Acenta tribe, Katondwe Mission Northern Rhodesia. *Anthropos, Mödling*, 1927, 22: 620.—**Fetscher, R.** Einweihungsriten. *Zschr. Sexwiss.*, 1929-30, 16: 346.—**Flugel, J. C.** The examination as initiation rite and anxiety situation. *Internat. J. Psychoanal., Lond.*, 1939, 20: 275-86.—**Frazier, J. G.** Ceremonies must be observed when girls reach maturity. In his *Native Races of America*, Lond., 1939, 89. — When a girl reaches puberty. *Ibid.*, 98. — Legend of the origin of the secret societies. *Ibid.*, 116-8.—**Haddon, A. C.** Initiation. In *Rep. Cambridge Anthropol. Exped. Torres Straits*, 1904, 5: 208-21.—**Hambly, W. D.** Tribal initiation of boys in Angola. *Am. Anthropol.*, 1935, 37: 36-40.—**Harley, G. W.** Sacrifices to hallow a ritual of initiation. In his *Native Afr. Med., Cambr.*, 1941, 131-5.—**Hocart, A. M.** Initiation. *Folklore, Lond.*, 1924, 35: 308-23. — Confinement at puberty. *Man, Lond.*, 1927, 27: No. 31, 53. — Initiation and manhood. *Ibid.*, 1935, 35: 20-2. — Initiation and healing. *Ibid.*, 1937, 37: 41-3.—**Kaberry, P. M.** Prepuberty rites. In her *Aborig. Woman, Phila.*, 1939, 234-7.—**Kawaters, H.** Reifezeremonien und Geheimbund bei den Babali-Negern vom Ituri. *Erdball*, 1931, 5: 454-64, 7 fig.—**Kuper, G.** An initiation ceremony in the British Solomon Islands. *Native M. Pract., Suva*, 1934-37, 2: 387-98.—**Leenhardt, M.** L'initiation chez les Venda et les Santos.

Anthropologie, Par., 1930, 40: 463.—**Opler, M. E.** The girl's puberty rite. In his Apache Lifeway, Chic., 1941, 82-134.—**Phelps, S.** Puberty observances in Polynesia and Micronesia. Proc. Pacific Sc. Congr. (1939) 1940, 6. Congr., 4: 145-51.—**Powdermaker, H.** Initiation rites. In her Life in Lesu, N. Y., 1933, 102-39, pl.—**Schaefer, P. A.** Zur Initiation im Wagi-Tal. Anthropos, Mödling, 1938, 33: 401-23.—**Schulien, M.** Die Initiationszeremonien der Mädchen bei den Atxunabo. Ibid., 1923-24, 18: 19: 69-103.—**Seligmann, C. G.** Women's puberty customs. In Rep. Cambridge Anthropol. Exped. Torres Straits, 1904, 5: 201-7.—**Wagner, G.** Reifeweihen bei den Bantustämmen Kavirondos und ihre heutige Bedeutung. Arch. Anthropol., Brnschw., 1939, n. F., 25: 85-100, 3 pl.—**Walk, L.** Initiationszeremonien und Pubertätsriten der südafrikanischen Stämme. Anthropos, Mödling, 1928, 23: 861-966.

INIZAN, Yves, 1910— *Considérations sur le traitement des fractures de l'extrémité supérieure de l'humérus chez les sujets âgés. 56p. 8°. Par., Vigot fr., 1937.

INJECTION.

See also under names of canals, cavities, and organs; also names of substances injected as **Anesthetization** and subheadings (intraperitoneal; intratracheal; intravenous; lumbar; parasacral; paravertebral; spinal, etc.) **Blood transfusion**; **Brain**, Encephalography; **Brain ventricles**, Ventriculography; **Bronchography**; **Cataract**, Surgery; **Anesthesia** and **akinesia** of eye; **Cerebrospinal cavity**, Puncture; **Colon**, Irrigation; **Duodenum**, Irrigation; **Dural sinus**; **Ear** (external) Canal; **Syringing**; **Eye**, Anterior chamber; **Paracentesis**, injection and irrigation; **Eyelid**, **Akinesia**; **Impregnation**, artificial, etc.

DUTTON, W. F., & LAKE, G. B. Parenteral therapy; a ready reference manual of extra-oral medication for physicians, dentists, pharmacists, chemists, biologists, nurses, medical students and veterinarians. 386p. 8°. Springf. [1936]

LEVY, D. Injection treatment in medical practice. 150p. 8°. Lond., 1932.

Cordingley, E. W. Injection therapy. Chiropr. Rec., 1942, 25: 121-6.—**Daubresse, F.** L'abus de la seringue. Rev. méd., Louvain, 1926, 270.—**Dutton, W. F.** Parenteral medication. Clin. M. & S., 1930, 37: 805-9.—**Ettmüller, M.** Dissertation sur l'infusion des liqueurs dans les vaisseaux (1689) Biol. méd., Par., 1939, 29: 347-73.—**Friedemann, M.** Zwanzig Jahre intravenöse Dauer-Tropfinfusion; Geschichte der Einführung, Ausbau und Urteil. Arch. klin. Chir., 1933-34, 178: 1-61.—**Gladstone, E.** Johann Sigismund Elsholtz (1623-88) Clysmatica Nova (1665) Elsholtz' neglected work on intravenous injection. California West. M., 1933, 39: 190-3.—**Guérin, A.** La petite lavement médicamenteux. J. sc. méd. Lille, 1913, 36: pt 1, 247: 271.—**Hirsch, C.** Ueber Injektionstherapie. Deut. med. Wschr., 1926, 52: 2-4.—**Ipodermocliasi ed iniezione intra-venosa.** Progr. ter., Milano, 1906, 85-90.—**Krauss, H.** Zur Geschichte der intravenösen Injektion. Med. Welt, 1941, 15: 457.—**Lackey, W. J.** The injection treatment of certain conditions in general practice. North Carolina M. J., 1942, 3: 593-7.—**Levi, D.** Injection treatment; a supplement to surgery. Practitioner, Lond., 1936, 136: 500-8.—**Injection treatment as an aid to surgery.** In Pract. Procedures (Rolleston, H. D.) Lond., 1938, 213-24.—**Mayhofer, B.** Einige Klarstellungen zur Geschichte der Bluttransfusion, der subkutanen Injektion und der intravenösen Infusion. Münch. med. Wschr., 1937, 84: 1417-20.—**Parenteral fluid administration**; Hartmann's work indicates the complex nature of acid-base balance and suggests means of combating abnormal changes. Ther. Notes, Detr., 1935, 42: 8-10.—**Porritt, A. E.** Injection treatments. Med. Press & Circ., Dubl., 1936, 193: 27-30.—**Recchioni, M.** Considerazioni su centotrenta mila iniezioni. Athena, Roma, 1939, 8: 225-8.—**Sherwood, E.** Intravenous treatment of yesterday and to-day. Johns Hopkins Nurs. Alumnae Mag., 1941, 40: 135-7.

Accidents and injuries.

BREITENBACH, L. *Aerztliche Kunstfehler bei der Injektion von Medikamenten. 46p. 8°. Bonn, 1935.

L'ESPINE, A. DE. *Der Bruch der Injektionskanüle; seine klinischen und forensischen Folgen [Würzburg] 20p. 8°. Ochsenfurt, 1937.

MONTEL, P. L. E. *Les accidents dus à la pénétration artérielle fortuite des médicaments [Paris] 51p. 8°. Fontainebleau, 1934.

WIRTH, A. *Ueber Nadelfrakturen in der konservierenden Zahnheilkunde. 22p. 8°. Münch., 1937.

Alleged negligence in hypodermic injection. Lancet, Lond., 1936, 1: 571.—**Alter, W.** Injektionen und ihre Zufälle. Münch. med. Wschr., 1939, 86: 660; 1131.—**Axhansen, G.** Die operative Entfernung der abgebrochenen Mandibularisnadel. Chirurg, 1936, 8: 757-9.—**Broken (A) hypodermic syringe**; action for alleged negligence. Brit. M. J., 1935, 1: 41.—**Davis, H. A.** Acute circulatory failure (shock) following subcutaneous injection of hypertonic sodium chloride solution. Proc. Soc. Exp. Biol., N. Y., 1940, 43: 354-7.—**De Saram, G. S. W.** The dangers associated with injections. J. Ceylon Brit. M. Ass., 1939, 36: 34-40, pl.—**Eaton, L. M., & Feinberg, S. M.** Accidental hypodermic transmission of malaria in drug addicts. Am. J. M. Sc., 1933, 186: 679-83.—**Engel, H.** Abbrechen der Injektionsspritze; Kunstfehler? Med. Klin., Berl., 1935, 31: 683-6.—**Goldhahn, R.** Fehler und Gefahren bei Einspritzungen. Med. Welt, 1941, 15: 417; passim.—**Kremer, W.** Wie soll sich der Arzt beim Abbrechen einer Nadel in der Brustwand verhalten? Münch. med. Wschr., 1933, 80: 2020.—**Lentz, R. F.** Multiple injections from a single carpule, a source of infection. Dent. Surv., 1941, 17: 1052.—**Malpractice**; hypodermic needle broken in patient's jaw; doctrine of res ipsa loquitur not applicable [Indiana] J. Am. M. Ass., 1941, 116: 2103.—**Paeck & Trembur.** Haftung der Arzt, der beim Bruch einer Kanüle einen sofortigen Eingriff zur Entfernung des abgebrochenen Stückes unterlässt? Deut. med. Wschr., 1936, 62: 1015.—**Pearl, H. F.** Danger of suit from failure to remove broken needle. California West. M., 1940, 53: 199.—**Rosedale, R. S.** Hypodermic needle in stomach wall. N. York State J. M., 1938, 38: 928.—**Stör, O.** Fehler und Gefahren bei subcutanen, intramuskulären und intravenösen Einspritzungen. Chirurg, 1933, 5: 171-85.—**Thomas, E. H.** The removal of broken hypodermic needles. J. Am. Dent. Ass., 1932, 19: 1747.

Apparatus and instruments.

See also **Needle**; **Syringe**.

Barbour, A. B. A useful addition to the equipment of a mobile unit. Brit. M. J., 1941, 2: 513.—**Boscolo, J. M.** Inyeecto-evacuador múltiple; nuevo dispositivo que reemplaza [a diversos] aparatos en ciertas operaciones corrientes. Sem. méd., B. Air., 1935, 42: pt 2, 1441-57.—**Buercklin, K. O.** Injection device. U. S. Patent Off., 1939, No. 2,168,437.—**Dutky, S. R., & Fest, W. C.** Microinjector. Ibid., 1942, No. 2,270,804.—**Finocchio, E.** Dispositivos para inyecciones. Prensa méd. argent., 1933-34, 20: 1744.—**Fürst, J.** Ein kleines Instrument zur Vereinfachung der Injektion. Anat. Anz., 1939, 88: 347-50.—**Guerrini, G.** Dispositivo per iniettare, senza interruzione di continuità, due o più liquidi a pressione costante, controllata e regolabile. Clin. vet., Milano, 1926, 49: 82-4.—**Hulsmann, J. D., & Nitardy, F. W.** A single dose emergency hypodermic unit. J. Am. Pharm. Ass., 1943, 32: 60-3.—**Hypodermolysis**; phlebotomy (Venoclysis) and pneumothorax. Surg. Equip., 1938, 5: No. 2, 14.—**Jacobs, H. R.** An easily inserted flexible cannula. Proc. Soc. Exp. Biol., N. Y., 1933, 30: 1160.—**Javier Cortez, F.** Maniqués para practicar las técnicas de inyección intravenosa e intramuscular. Siglo méd., 1931, 87: 118-20.—**Kurkjian, Y. H.** Injector. U. S. Patent Off., 1939, No. 2,183,482.—**Lignières.** Seringues et aiguilles pour injections intradermiques. Bull. Acad. méd., Par., 1930, 3: ser., 104: 313.—**Pearlstein, M. A.** A simple apparatus for controlling temperature of fluid during injection. J. Lab. Clin. M., 1931, 16: 837.—**Pottenger, F. M., jr.** Rubber flask connectors for hypodermolysis, intravenous therapy and other uses. J. Am. M. Ass., 1930, 95: 1503.—**Sachse, B.** Ein aseptisches Instrumentarium zur subkutanen Injektion. C. rend. Congr. dent. internat., 1909, 5. Congr., 11. Teil, 33.—**Schioppa, L.** Modelli di tre quarti per iniezioni conservative alle salme. Riv. Soc. ital. igiene, 1937, 59: 154-6.—**Schmidt, G.** Bereitschaftskasten des Arztes und des Zahnarztes für eilige Einspritzungen im Sprechzimmer. Münch. med. Wschr., 1926, 73: 87.—**Scabra, P.** Un gotinyector; giustificazione e presentazione definitiva di un modello speciale per la terapia ad assorbente in la tubercolosi y aplicable a todos los casos de instilación venosa. Prensa méd. argent., 1934, 21: 1721-35.—**Shaw, J. E. B.** Parenteral injection device. U. S. Patent Off., 1943, No. 2,314,167.—**Soskin, S.** A simple constant injection apparatus. J. Lab. Clin. M., 1933, 18: 420.—**Swabacker, J. E. B.** Parenteral injection unit. U. S. Patent Off., 1941, No. 2,256,657; No. 2,259,276.—**Walter, C. W.** Simplified apparatus for the administration of parenteral fluid. J. Am. M. Ass., 1936, 106: 1982.—**Wright, C. B.** A vacuum bottle for infusions and hypodermolysis. West Virginia M. J., 1937, 33: 449.

intraarterial.

See also **Heart-block**, **Asystole**.

LAMI, G. *Des injections directes de médicaments dans les artères. 41p. 8°. Par., 1937.

Cunha Lamos, A. Thérapeutique par voie artérielle. Proc. verb. Congr. fr. chir., 1933, 42: 384-98.—**Desliens, L.** Injections intra-arterielles et nouvelles méthodes d'exploration de l'appareil circulatoire. Rec. méd. vét., 1931, 107: 898-

928.—Fontès, G., & Thivolle, L. L'injection intra-artérielle et l'endommage du cœur. C. rend. Soc. biol., 1925, 93: 267-9.—Fournestaux, J. de, & Fredet, M. La voie artérielle en thérapeutique chirurgicale. Mém. Acad. chir., Par., 1937, 63: 1347-54.—Fracassi, H. Sobre inyección anatómica del sistema arterial. Prensa méd. argent., 1938, 25: 810.—Friedrich, H. Extremitätengrän nach intraarterieller Injektion. Med. Klin., Berl., 1938, 34: 1643-7.—Huet, P., & Bargeton, D. Sur les effets des injections intra-artérielles. Mém. Acad. chir., Par., 1936, 62: 484-7. Also Prat. méd. fr., 1936, 17: 436-43. Also Presse méd., 1936, 44: 677-81.—Lamas, A. Thérapeutique par voie artérielle. Med. contemp., Lisb., 1933, 51: 353-8.—Le Grand, E. Hautinfarzierung als Komplikation bei intraarterieller Injektion. Zschr. Kreislaufforsch., 1939, 31: 309-12.—Leriche, R. A propos de la thérapeutique par voie artérielle dans les infections et en dehors de l'infection. Med. contemp., Lisb., 1938, 56: 41.—López Trigo, J. La vía intraarterial en el tratamiento de los procesos infectivos agudos. Med. trab. hig. indust., Madr., 1930, 1: 159-65.—Lucarelli, V. Iniezioni endarteriose. Riv. Soc. ital. igiene, 1927, 59: 137-9.—Moniz, E. Inieções intraarteriaes e substâncias injectáveis opacas aos raios X. Presse méd., 1937, 65: 969-71.—Moore, R. M. The stimulation of peripheral nerve-elements subserving pain-sensibility by intra-arterial injections of neutral solutions. Am. J. Physiol., 1934-35, 110: 191-7.—Ortiz Tirado, A. Cloruro de sodio por vía intrarterial; inyecciones intrarteriales de solución de yoduro de sodio al 5% en el tratamiento de dos casos de artíricomosis de los miembros inferiores. Hosp. gen., Méx., 1931-32, 6: 1085-8.—Santos, J. C. dos. Spasme veineux du bras après injection intra-artérielle; action de l'infiltration du ganglion étoilé; contrôle phlébographique avant et après l'infiltration. Rev. chir., Par., 1938, 76: 308-14. — Arterial injections with stasis in the therapy of infections. Surgery, 1939, 5: 436-43.—Scremin, L. Fattori che modificano la ripartizione dei farmaci iniettati nelle arterie. Boll. Soc. ital. biol. sper., 1928, 3: 863.—Tornai, J. Neues Verfahren bei plötzlicher Lebensgefahr: die intraarterielle Injektion. Med. Klin., Berl., 1923, 19: 792. Also Verh. Deut. Ges. inn. Med., 1923, 35. Kongr., 98.—Valerio, A. Iniections intra-artérielles thérapeutiques. Bull. Soc. chir. Par., 1936, 28: 515.—Wilmoth, P. L'angiothérapie artérielle. Presse méd., 1939, 47: 1249-51.

intracutaneous.

See also Allergy, Diagnosis; Vaccination, etc.
NADLER, H. *Ueber den Einfluss intradermaler Einspritzungen auf das Blutbild. 29p. 8°. Münch., 1930.
VALDEYRON, R. *Essai sur l'action physiologique et les effets thérapeutiques de certaines substances en injections intra-dermiques. 71p. 25cm. Montpel., 1934.
Aitoff, M. Réactions pigmentées des téguments chez le lapin après certaines injections intradermiques. C. rend. Soc. biol., 1935, 118: 1380-2.—Anderson, D. The intracutaneous injection of small measured volumes of liquid. Med. J. Australia, 1939, 2: 68.—Bruckner, W. J. Intradermal injection. In Ther. Int. Dis. (Blumer, G., et al.) N. Y., 1: 1940, 771.—Drouet, G. Du mode d'action des injections intradermiques; conceptions nouvelles et déductions thérapeutiques. J. méd. Par., 1929, 48: 550-2.—Hodges, F. C. Oration on medicine: the diagnostic value of intradermal injections. West Virginia M. J., 1936, 32: 393-6.—Intradermal injections. Physician's Bull., 1939, 4: 166-70.—Lasch, F. Ueber den Leukozytensturz nach intrakutaner Injektion im höheren Lebensalter, ein Beitrag zur Biologie der Haut. Wien. Arch. inn. Med., 1930, 20: 343-50.—Luthlen, E. Experimentelle Untersuchungen über intracutane Injektionen. Arch. Derm. Syph., Berl., 1926, 151: 74-7.—Matt, F. Eine neue Kanüle zur intrakutanen Injektion (Forapin-Kanüle). Münch. med. Wschr., 1937, 84: 1883.—Peck, J. W. Intradermal injections. Pharm. J., Lond., 1942, 94: 126.—Puech, A., & Valdeyron, R. Les effets vaso-moteurs de l'injection intradermique de quelques solutions médicamenteuses. Arch. Soc. sc. méd. biol. Montpellier, 1934-35, 16: 26-31.—Taylor, F. W. Actual site in skin of intradermal injection. J. Am. M. Ass., 1938, 111: 2475.—Veilchenblau, L. Beobachtungen zur kutanen Leistungssteigerung. Münch. med. Wschr., 1930, 77: 98.—Volynsky, A. S., & Stoliarova, M. N. [Specific action of intracutaneous injections] Klin. med., Moskva, 1931, 9: 764-70. Also Zschr. ges. exp. Med., 1931, 79: 164-72.—Wilmoth, P. L'anesthésie intracutanée. Presse méd., 1938, 46: 1583.—Yourevitch, V. Pigmentation du derme et repousse du poil consécutive aux réactions intradermiques chez le lapin. C. rend. Soc. biol., 1934, 117: 1186-8.

intramuscular.

BOUDET, S. *Des injections intra-musculaires: leurs points d'élection chez le chien. 85p. 25cm. Lyon, 1934.
Arnold, J. O. Intramuscular medication. Med. World, 1941, 59: 390.—Billimoria, B. R., & Dunlop, E. E. Intramuscular administration of fluids. Lancet, Lond., 1940, 2: 65.—Bruckner, W. J. Intramuscular therapy. In Ther. Int. Dis. (Blumer, G., et al.) N. Y., 1: 1940, 782-4.—Christahl,

K. H. Eine neue Technik bei der intramuskulären Injektion. Münch. med. Wschr., 1940, 87: 840.—Cornbleet, T. Sitting posture for intragluteal injections. Arch. Derm. Syph., Chic., 1939, 39: 527.—De Sèze, Sul rischio di certe iniezioni intramuscolari. Minerva med., Tor., 1941, 32: pt 1, 572 (Abstr.) (microfilm)—Gerson, L. L'injection intramusculaire. J. méd. Par., 1935, 55: 1113-5.—Külbs, F. Ueber die Folgen intramuskulärer Injektionen. Med. Klin., Berl., 1939, 35: 376.—Mathé, C. P. Suggestions as to the technic for injections into the gluteal muscles. Am. J. Syph., 1928, 12: 362-4, 2 pl.—Velu. Les injections intra-musculaires chez le cheval, lieux d'élection. Rev. vét., Toulouse, 1923, 75: 553-7.—Walker, C. The pectoralis major for intramuscular injections. Brit. M. J., 1941, 1: 158.—Wingfield, A. Intramuscular injection therapy. Med. Press & Circ., Dubl., 1936, 193: Suppl. p. xiv.

intravascular.

Baudouin, A. Les injections intravasculaires continues d'adrénaline et d'insuline; quelques déductions physiologiques. Bull. Acad. méd., Par., 1938, 3. sér., 120: 248-52.—Cabassi, E. Contribución al estudio experimental de la acción anticoagulante de las inyecciones intravasculares. Sem. méd., B. Air., 1929, 36: pt 1, 206-19.—Chillingworth, F. P., Sweet, M. H., & Healy, J. C. Vascular injection as influenced by negative pressure. Anat. Rec., 1936, 66: 113-7.—Donadio, N. Il metodo delle iniezioni endovasali con la celluloido. Ricer. morf., 1934, 14: 283-98. — Nuovo apparecchio di precisione per le iniezioni endovasali alla celluloido di organi. Ibid., 319-24.—Goinard, P. Différence de toxicité d'une même substance injectée dans les artères et dans les veines. C. rend. Soc. biol., 1935, 118: 689.—Rogoff, J. M. An apparatus for constant intravascular injection of liquids. J. Lab. Clin. M., 1939-40, 25: 853-6.

intravenous [incl. Infusion]

HUHN [F. O.] H. *Die Entwicklung der intravenösen Dauertropfinfusion [Heidelberg] 15p. 21cm. Ochsenfurt a. M., 1934.
JOURNAL OF INTRAVENOUS THERAPY; devoted to pharmacology and therapeutics of intravenous medication. N. Y., 1, 1922—
KALB, C. H. *A clinical study on intravenous infusion. 31p. 4°. Milwaukee, 1938.
MASPOLI, C. *Les injections intraveineuses [Alfort] 125p. 8° Par., 1932.
MÜLLER, J. *Intravenöse Dauertropfinfusion und ihre Störungen. p. i-iv, 149-55. 8°. Würzb., 1936.
Also Deut. Zschr. Chir., 1935, 245:
RIESTER, E. C. *Erfahrungen mit dem intravenösen Dauertropfeinflauf während der Jahre 1931-32 an der Berliner Universitäts-Frauenklinik [Berlin] 29p. 23cm. Emsdetten (Westf.) 1936.
SASAKI, G. R. *Venoclysis. 10p. Oshkosh, 1936.
SCHWARTZ, J. *Beitrag zur intravenösen Dauertropfinfusion. 10p. 8° [Lpz.] 1920.
ZEDLER, H. *Die intravenöse Dauertropfinfusion in der inneren Klinik. 33p. 21cm. Bresl., 1938.
Brandis, H. J. von. Ueber intravenöse Dauertropfinfusion. Zbl. Chir., 1931, 58: 2588-91.—Bruckner, W. J. Intravenous therapy. In Ther. Int. Dis. (Blumer, G., et al.) N. Y., 1: 1940, 785-800.—Burr, W. R. Intravenous medication. Kentucky M. J., 1926, 24: 83-6.—David, A. Les injections intraveineuses. J. sc. méd. Lille, 1920, 38: pt 1, 219-28.—Dempster, W. T. Intravenous injection. J. Michigan M. Soc., 1936, 35: 667-72.—Doerfler, H. Die intravenöse Injektion. In his Für d. Praxis, 2. Aufl., Münch., 1939, 1: 273-5.—Engel, K. [Intravenous injection] Orv. hetil., 1933, 77: 1149-53.—Falk, H. C. Intravenous infusions. Am. J. Surg., 1937, 36: 31-6.—Farquharson, E. L. Continuous intravenous infusion. Edinburgh M. J., 1934, n. ser., 41: 530-44.—Finn, N. Intravenous injections. S. Afr. M. J., 1933, 7: 751-3.—Frick, J. H. Further observations in intravenous therapy. Tr. Am. Ther. Soc., 1925-26, 26: 70-3. — Intravenous therapy. Ibid., 27: 164-6. Also Med. J. & Rec., 1926, 124: 618.—Gold, E. Intravenöse Infusion. Wien. klin. Wschr., 1934, 47: 1239.—Graham, G. Treatment by intravenous infusion. Tr. M. Soc. London, 1938, 61: 15-33.—Hendon, G. A. My recent experiences with venoclysis. Tr. South. Surg. Ass. (1929) 1930, 42: 288-305, 4 pl. — Venoclysis. J. Am. M. Ass., 1930, 95: 1175-8. Also Med. Arts, 1931, 34: 491-6.—Hundley, J. W., & Decker, H. B. Intravenous therapy. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 8: 90-4.—Jde, M. Les injections intraveineuses. Rev. méd., Louvain, 1922, 76-8; 1931, 27-9.—Ingmand, E. B. Intravenous medication. North

Am. Vet., 1937, 18: No. 7, 23-30.—**Johnston, J. I.** Intravenous therapy. *Atlantic M. J.*, 1926-27, 30: 145-8.—**Keeley, J. L.** Intravenous injections and infusions. *Am. J. Surg.*, 1940, 50: 485-90.—**Keys, B. B.** Intravenous medication. *Kentucky M. J.*, 1931, 29: 127-9.—**Lake, G. B.** Intravenous injections. *Mod. Hosp.*, 1936, 47: No. 6, 55-8.—**Lea, J. W.** Intravenous therapy; a modern therapeutic necessity. *Med. Rev. of Rev.*, 1927, 33: 477-83.—**Lehman.** Las instilaciones intravenosas. *Crón. méd. mex.*, 1934, 33: 175-9.—**Libbrecht, A.** Les injections intraveineuses. *Rev. méd., Louvain*, 1926, 226-9.—**Longmore, A. J.** Intravenous therapy. *Univ. Toronto M. J.*, 1940-41, 18: 95-8.—**Lundy, J. S., Osterberg, A. E., & Tuohy, E. B.** Intravenous therapy. *J. Missouri M. Ass.*, 1938, 35: 124-7.—**Marietta, S. U.** Intravenous medication from the clinical standpoint. *Tr. Hawaii M. Ass.*, 1936, 46: 47-54.—**Murphy, F. D., & Correll, H. C.** The effects of intravenous solutions on patients with and without cardiovascular defects. *Mod. Concepts Card. Dis.*, 1941, 10: No. 4, 1.—**Pair, C. Q.** Intravenous therapy. *J. Nat. M. Ass., Newark, N. J.*, 1930, 22: 21-4.—**Pritchard, H.** Intravenous therapy. *West London M. J.*, 1926, 31: 199-216. Also *Brit. M. J.*, 1927, 1: 792-4.—**Shafirov, B. G. P.** Continuous intravenous infusion. *J. Lab. Clin. M.*, 1931, 16: 897-900.—**Simpson, S. L.** Intravenous medication. *Med. Press & Circ., Dublin*, 1936, 193: Suppl., p. iv-vi.—**Skinner, A. H.** Continuous intravenous infusion. *China M. J.*, 1931, 45: 49-54, 2 pl.—**Stewart, J. D., & Rourke, G. M.** The effects of large intravenous infusions on body fluid. *J. Clin. Invest.*, 1942, 21: 197-205.—**Tillich, J. H.** Recent advances in intravenous fluid therapy. *J. Lancet*, 1941, 61: 51-6.—**Tovell, R. M., & Patterson, R. L.** Intravenous therapy, a hospital problem for the anesthetist may provide a solution. *Current Res. Anesth.*, 1940, 19: 171-5.—**Wood, I. J., & Ross, C. W.** The intravenous administration of blood, saline solution and glucose. *Med. J. Australia*, 1932, 1: 815-26.

— intravenous: Accident and untoward effects.

See also Embolism; Thrombosis, etc.

BRETSCHNEIDER, F. W. *Zwischenfälle nach intravenösen Injektionen [Leipzig] 40p. 8°. Zeulenroda, 1935.

REGAN, D. M. *A statistical study of immediate and delayed reactions to intravenous injections of fluids. 19p. Milwaukee, 1937.

WELLER, A. [G.] *Ueber intravenöse Injektionen und ihre Gefahren. 23p. 8°. Tüb., 1933.

WENGER, K. *Die Gefahren bei der intravenösen Injektion. 26p. 8°. Bonn, 1933.

Banks, H. M. A study of hyperpyrexia reaction following intravenous therapy. *Am. J. Clin. Path.*, 1934, 4: 260-91.—**Beck, A.** Ueber Gefahren bei der Infusion von Normosal- und Kochsalzlösungen. *Deut. med. Wschr.*, 1928, 54: 564-6. Also *Klin. Wschr.*, 1928, 7: 1302.—**Bettolo, A.** Gli incidenti della terapia endovenosa: etiopatogenesi, profilassi e cura. *Pensiero med.*, 1926, 15: 703.—**Boon, A. A., & Lindenboom, G. A.** Occlusion artérielle après injection intraveineuse. *Arch. mal. cœur*, 1938, 31: 1019-32.—**Bouet.** Les accidents locaux consécutifs aux injections intraveineuses; moyens de les prévenir. *Rev. vét. mil., Par.*, 1930, 14: 296-304.

Prévention au cours des injections intraveineuses successives, des maladies transmissibles par le sang. *Bull. Acad. vét. France*, 1933, 6: 384.—**Burwinkel, O.** Ueber intravenöse Injektionen. *Prakt. Arzt*, 1928, n. F., 13: 460-2.—**Caesar, F.** Gefahren der Dauerinfusionen. *Ther. Gegenwart*, 1926, 67: 476.—**Cutting, R. A., Larson, P. S., & Lands, A. M.** Cause of death resulting from massive infusions of isotonic solutions. *Arch. Surg.*, 1939, 38: 599-616.—**Darrow, K. E.** A review of the causes of reactions following intravenous injections of glucose and normal saline. *J. Lancet*, 1934, 54: 65.—**Falk, J., & Lange, E.** Ueber eine ausgedehnte Hautnekrose nach intravenöser Dauertropfinfusion mit Traubenzucker- und Adrenalinzusatz zu physiologischer Kochsalzlösung. *Kinderärztl. Prax.*, 1935, 6: 389-92.—**Falk, H. C.** The common causes of reaction following the use of intravenous solutions and their prevention. *N. York State J. M.*, 1935, 35: 480-4.—**Felsen, J.** Post-intravenous reactions; a simple and economical technique for their avoidance based upon a study of 1660 phlebotomies. *Bull. Am. Hosp. Ass.*, 1935, 9: 98-108.—**Finkelstein, Z.** [Case of cortical blindness with Korsakov syndrome following intravenous injection] *Neur. polska*, 1939, 22: 221.—**Flandin, C.** Les réactions thermiques consécutives aux injections intraveineuses. *Bull. Soc. méd. hôp., Paris*, 1928, 3. ser., 52: 296-9.—**Frank, E.** Intravenöse Injektion und ärztliche Haftpflicht. *Arztl. Sachverst. Ztg.*, 1936, 42: 283-95.—**Frick, J. H.** Dangers of intravenous treatment. *Tr. Am. Ther. Soc.* (1927) 1928, 28: 55-9. Also *Med. J. & Rec.*, 1927, 126: 139.—**Friedrich, H., & Buchaly, J. F.** Ist die intravenöse Dauertropfinfusion mit Gefahren verbunden? *Zbl. Chir.*, 1932, 59: 131-7.—**Fuchs, P.** Thrombose und Embolie nach intravenöser Dauertropfinfusion. *Ibid.*, 1939, 66: 355-9.—**Grevall, S. D. S.** The needle in the vein. *Ind. M. Gaz.*, 1940, 75: 103-6.—**Habersang.** Ueber Gefahren der intravenösen Verabreichung reizender Arzneimittel. *Zschr. Veterinärk.*, 1941, 53: 63-6.—**Kewalram.** Dangers of intravenous medication. *Ind. M. Rec.*, 1931, 51: 343.—**Knott, F. A., & Leibel, B.** Prevention of pyrexial re-

actions in intravenous therapy. *Lancet, Lond.*, 1941, 1: 409-11.—**Kuznitsky, M., & Jansson, P.** Unglücksfälle bei intravenösen Injektionen. *Med. Welt*, 1932, 6: 1136; 1696; 1933, 7: 278.—**Lamm, H.** Ueber Störungen der intravenösen Dauertropfinfusion. *Deut. Zschr. Chir.*, 1936, 248: 32-12.—**Lawless, T. K.** Treatment of accidental perivascular injections of arsenamine or neoarsphenamine. *J. Lab. Clin. M.*, 1931, 16: 1019-22.—**Leschke, E., & Weber, H.** Unglücksfälle bei intravenösen Injektionen. *Med. Welt*, 1932, 6: 1436.—**Moniz, E., de Carvalho, L., & Almeida Lima.** Sur la sensibilité des veines du cou et de l'oreillette droite. *C. rend. Soc. biol.*, 1931, 107: 83.—**Monpert.** Syncope cardiaque mortelle consécutive à une injection intraveineuse d'électrargol. *Rev. vét. mil., Par.*, 1929, 13: 183-6.—**Nakamura, H., & Ono, S.** Experimentelle Studie über die Respirationsstörungen infolge der intravenösen Injektion verschiedener Gase, flüssigen Paraffins und kolloidaler Substanzen. *Tr. Jap. Path. Soc.*, 1932, 22: 168-77.—**Nelson, C. M.** The cause of chills following intravenous therapy. *J. Am. M. Ass.*, 1939, 112: 1303-6.—**Neimec, K.** Selbstversuche über Luftemboliegefahr bei intravenösen Injektionen. *Klin. Wschr.*, 1935, 14: 55.—**Nixon, J. A.** Circulatory overloading after rapid intravenous injections. *Brit. M. J.*, 1942, 2: 465.—**Orr, T. G.** Continuous intravenous infusion; a consideration of its possible dangers. *Minnesota M.*, 1935, 18: 778-82.—**Piotrowski, G.** Du danger des injections intraveineuses chez les cardiaques avancés. *Rev. gén. clin. théor.*, 1936, 50: 161.—**Pompe, J. C.** Un cas d'embolie gazeuse mortelle survenue à la suite d'une injection intraveineuse pratiquée au niveau du pli du coude. *Ann. anat. path., Par.*, 1935, 12: 723-8.—**Rademaker, L.** Reactions after intravenous infusions; a further report on their elimination. *Surg. Gyn. Obst.*, 1933, 56: 956-8.—**Rinaldi, M.** Dalla pratica per la pratica: sulle alterazioni cutanee da ripetute iniezioni endovenose. *Rass. internaz. clin. ter.*, 1937, 18: 1083-6.—**Schadensersatzpflicht des Arztes für Eingriffe, die er gegen den Willen des Patienten vornimmt.** *Reichsgesundhbl.*, 1937, 12: 161-3.—**Seifert, E.** Intravenöse Einspritzung und Thrombosegefahr. *Münch. med. Wschr.*, 1932, 79: 172-4.—**Skinner, H. L.** Infusion reactions. *Hosp. News, Wash.*, 1939, 6: No. 6, 5-9.—**Stiles, S. W.** Puzzling death of a cow during an intravenous injection. *Vet. Med., Chic.*, 1941, 36: 431.—**Strauss, L.** Thrombose und Lungenembolie nach intravenöser Dauertropfinfusion. *Zbl. Chir.*, 1932, 59: 909-13.—**Terplan, K. L., & Javert, C. T.** Air embolism following intravenous drip. *Am. J. Path.*, 1935, 11: 880.—**Thurzó, J.** Ueber die Vermeidung von Venenwandschädigungen und Thrombosen bei intravenöser Injektion verschiedener Mittel. *Deut. med. Wschr.*, 1926, 52: 2028.—**Tomarkin, J., & Strauss, A.** Venoeclysis; dangers and contraindications. *Am. J. Surg.*, 1934, n. ser., 25: 319-23.—**Trillat & Rivollier.** Phlébite superficielle du membre supérieur consécutive à une injection de sérum glucosé. *Bull. Soc. obst. gyn. Paris*, 1935, 24: 220-2.—**Tabbs, O. S.** Circulatory overloading after rapid intravenous injections. *Brit. M. J.*, 1942, 2: 466.—**Walter, C. W.** The relation of proper preparation of solutions for intravenous therapy to febrile reactions. *Tr. Am. Surg. Ass.*, 1940, 58: 121-43.—**Yeomans, A., Porter, R. R., & Swank, R. L.** Observations on certain manifestations of circulatory congestion produced in dogs by rapid infusion. *J. Clin. Invest.*, 1943, 22: 33-45.—**Zutt, J.** Ueber die Gefahr peripherer Nervenschädigungen bei intravenöser Injektion und ihre Vermeidbarkeit. *Deut. med. Wschr.*, 1932, 58: 1321.

— intravenous: Apparatus and instruments.

Al Akl, F. M. A shield to simplify the administration of intravenous therapy. *Am. J. Surg.*, 1942, 58: 308.—**Apparatus** for intravenous injection. *Lancet, Lond.*, 1939, 1: 1160.—**Arnott, G. M.** Use of the rotary pump in intravenous therapy. *Brit. M. J.*, 1941, 1: 517.—**Auchterlonie, L.** Arbuthnot Lane's infusion apparatus. *Vet. Rec., Lond.*, 1933, 13: 629.—**Bangerter, A.** Eine Kanüle für intravenöse Infusionen oder Narkosen. *Schweiz. med. Wschr.*, 1938, 68: 940.—**Bauminger, J.** [A new drop-measuring apparatus for intravenous infusions] *Polska gaz. lek.*, 1936, 15: 892.—**Verbesserte Tropfeinrichtung** für intravenöse Dauertropfinfusionen. *Zbl. Chir.*, 1939, 66: 542-4.—**Boehm, F. B.** Laboratory equipment for the injection of the ear vein of rabbits. *Gradwohl Lab. Digest*, 1941-42, 5: No. 8, 6.—**Béraud, M.** Injections intraveineuses et prises de sang. *Infirm. fr.*, 1927, 5: 164-72.—**Boller, R.** Ein neuer Apparat zur Ausführung der intravenösen Dauertropfinfusion. *Klin. Wschr.*, 1932, 11: 245.—**Bona, T.** [Dr Bona's automatic band for stasis and hemostasis with slow relaxation] *Cluj. med.*, 1930, 20: 208-11.—**Bud, G.** [Apparatus for intravenous therapy] *Orv. hetil.*, 1934, 78: 16.—**Operations- und Untersuchungsstisch** mit Armlehne zum neuen intravenösen Injektionsapparat. *Zbl. Gyn.*, 1934, 58: 572-4.—**Canada, P. L.** Vein holder. *U. S. Patent Off.*, 1941, No. 2,234,961.—**Christenson, I.** Ein zweckmässiger Apparat für die intravenöse Injektion. *Münch. tierärztl. Wschr.*, 1938, 89: 78.—**Clemens, J.** Die sterile gebrauchsfertige Infusionsflasche. *Deut. med. Wschr.*, 1936, 62: 1720-2.—**Cohen, R.** An intravenous needle holder. *J. Pediat.*, S. Louis, 1938, 12: 527.—**Colwell, A. R.** A clock-timed gravity device for delivering solutions at constant rates intravenously. *J. Lab. Clin. M.*, 1929-30, 15: 556-8.—**D'Halluin, M.** Présentation d'un appareil et d'une canule pour injections intra-veineuses. *Bull. Soc. radiol. méd. France*, 1933, 21: 569-72.—**Doucet-Bon, F.** L'instillation intraveineuse goutte à goutte continu; présentation d'un appareil destiné au réchauffement du liquide d'injection. *J.*

méd. Lyon, 1940, 21: 166.—Eddy, L. L. A new instrument for facilitating the administration of intravenous fluid. *Am. J. Surg.*, 1942, 57: 185.—Edwards, F. R. The vein-seeker; a simple instrument for entering collapsed veins. *Brit. M. J.*, 1939, 2: 957.—Ehrhardt, K. Haltebügel für Infusionstrichter. *Münch. med. Wschr.*, 1936, 83: 1599.—Estel. Eine neue Kanüle zur intravenösen Injektion. *Deut. med. Wschr.*, 1930, 56: 2002.—Fairley, G. M. A new teaching device. *Canad. Nurse*, 1933, 29: 303.—Fillenz, K. Ein neuer Apparat zur intravenösen Injektion von grösseren Mengen Flüssigkeiten. *Zschr. Urol.*, 1931, 25: 652-5.—First step in a unified infusion program. *Surg. Equip.*, 1942, 9: No. 3, 3.—Gibson, P. C. Thermostatic intravenous apparatus. *Brit. M. J.*, 1936, 2: 430.—Goldstein, H. Adjustable heating infusion apparatus. U. S. Patent Off., 1935, No. 1,995,302.—Infusion apparatus. *Ibid.*, 1938, No. 2,124,293.—Gottschalk, W. Infusionsapparat für Sera arteficialia usw. *Berl. tierärztl. Wschr.*, 1914, 30: 93.—Hartman, F. W. The elimination of rubber tubing on intravenous sets; a new system for the administration of intravenous solutions. *Ann. Surg.*, 1940, 111: 498-501.—Henning, N. Ein neuer Tropfhahn mit Tropfenzähler und geeichter Skala für Dauerinfusionen. *Münch. med. Wschr.*, 1934, 81: 799.—Hoffman, M. E. Intravenous therapy; description of intravenous operating table. *California West. M.*, 1941, 55: 253.—Isaak, L. Der Kanülenhalter, ein Hilfsinstrument zur Erleichterung der intravenösen Injektionstechnik. *Deut. med. Wschr.*, 1928, 54: 145.—Jacobs, H. R. D. An apparatus for constant intravenous injection into unrestrained animals. *J. Lab. Clin. M.*, 1931, 16: 901-8.—Kálnok, J. K. Neue technische Befehle beim intravenösen Verfahren von Bud. *Mscrh. Geburtsh. Gyn.*, 1936, 103: 132-6.—Karelitz, S. A new double telescoping cannula for continuous intravenous therapy. *J. Pediat.*, S. Louis, 1937, 10: 396.—Karl, M. Ein Venenkompressor mit automatischer Auslösung für intravenöse Injektionen. *Münch. med. Wschr.*, 1930, 77: 1935.—Khaskelovich, M. G. [Appliance, facilitating the technique of intravenous manipulations] *Vrach. delo*, 1940, 22: 293.—Khorvat, A. A. [Apparatus for venous injections] *Sovet. vet.*, 1939, 16: No. 6, 70.—King, R. A. An intravenous trocar and cannula. *Brit. M. J.*, 1937, 1: 173.—Kodama, R. Ueber meine Vorrichtung zur intravenösen Dauertropfinfusion. *Zbl. Chir.*, 1936, 63: 1752-4.—Koehler, A. E. A simplified apparatus for constant rate injections. *J. Lab. Clin. M.*, 1940-41, 26: 383-5.—Laird, A. A frame to be used in the treatment of infants. *Am. J. Dis. Child.*, 1931, 41: 1307.—Lake, G. B. Notes from the A. M. A. meeting. *Clin. M. & S.*, 1936, 43: 382-9.—Larson, L. E. Equipment for intravenous therapy; the tandem flask. *Am. J. Nurs.*, 1939, 39: 614.—Lee, M. An intravenous cannula. *Brit. M. J.*, 1936, 2: 718.—Lehman, R. Instillateur intraveineux. *Bull. Acad. méd. Par.*, 1934, 3. ser., 111: 808-10.—Levy, D. M. [A new needle for intravenous injections] *Ned. tschr. geneesk.*, 1926, 70: pt 2, 1207.—Lucas, B. G. B., & Sims, A. L. Portable apparatus for continuous intravenous therapy. *Lancet*, Lond., 1942, 2: 364.—Lundy, J. S. Suggestions to facilitate venipuncture in blood transfusion, intravenous therapy, and intravenous anesthesia. *Proc. Mayo Clin.*, 1937, 12: 122-5.—& Rogers, D. A. A hand-roller for the rapid, intravenous administration of urgently needed blood or solutions. *Ibid.*, 1938, 13: 726.—McLean, N. T. An apparatus for intravenous medication. U. S. Nav. M. Bull., 1913, 7: 246, pl.—Manning, G. W., & Hall, G. E. A continuous intravenous injection apparatus for unrestrained animals. *J. Lab. Clin. M.*, 1937-38, 23: 303-6.—Mappes, H. Vorrichtung zur Ausführung intravenöser Injektionen. *Deut. med. Wschr.*, 1934, 60: 289.—Martinie, W. [New apparatus for intravenous injections and venipuncture] *Polska gaz. lek.*, 1929, 8: 907.—Mazzeo, A. J., & Reichbaum, T. Armrest for intravenous injections. U. S. Patent Off., 1941, No. 2,266,230; No. 2,266,231.—Mulholland, S. W. Apparatus for the continuous administration of fluids intravenously. *Proc. Mayo Clin.*, 1930, 5: 351.—Narat, J. K. Heater for intravenous solutions. *Am. J. Surg.*, 1937, 36: 550.—Natannsen. Selbsttätiger Irrigatorverschluss zur Infusion. *Deut. med. Wschr.*, 1927, 53: 803.—Necheles, H., & Olson, W. H. A simple constant injection apparatus. *J. Lab. Clin. M.*, 1940-41, 26: 1647-9.—Nuovo procedimento intravenoso nel campo ostetrico mercé speciale apparecchio e sostegno del braccio. *Rinasc. med.*, 1934, 11: 440.—Odén, C. L. A. An improved needle for intravenous therapy. *J. Michigan M. Soc.*, 1939, 38: 221.—Ortmann, K. K. [Improved drop-regulation in permanent drop-infusion] *Ugeskr. laeger*, 1935, 97: 119.—Osterberg, A. E. Apparatus for intravenous administration of fluids. U. S. Patent Off., 1938, No. 2,138,936.—& Little, G. G. An apparatus for the preparation and intravenous administration of various fluids in large quantities. *Proc. Mayo Clin.*, 1935, 10: 241-5.—Ottenheimer, E. J. The elimination of air bubbles from intravenous apparatus by a modification of the Murphy drip. *Am. J. Surg.*, 1941, 54: 759.—Robinson, J. B. C., & Barber, A. S. An apparatus for the thermal control of solutions for intravenous administration. *J. Lab. Clin. M.*, 1934-35, 20: 506-8.—Rudder, F. F. An improved intravenous adapter. *Ann. Surg.*, 1936, 103: 470.—Sava, A. F. A new ampoule for intravenous use. *Med. Times*, N. Y., 1933, 61: 49.—Seabra, P. Um aparelho para instalações venosas contínuas. *Bol. Acad. nac. med.*, Rio, 1934, 106: 674-84.—Siggers, C. J. C. New intravenous cannula. *Brit. M. J.*, 1938, 2: 1315. Also *Lancet*, Lond., 1939, 1: 29.—Sommer, R. Zur intravenösen Dauertropfinfusion. *Zbl. Chir.*, 1935, 62: 680.—Sours, M. V. Equipment for intravenous therapy; intravenous set with two-way stopcock. *Am.*

J. Nurs., 1939, 39: 615.—Stengel, A., jr., & Vars, H. M. An apparatus for continuous intravenous injections in unanesthetized animals. *J. Lab. Clin. M.*, 1938-39, 24: 525-9.—Szepeshelyi, A. [Continuous drop-infusion for the cow] *Allatorv. lap.*, 1934, 57: 186-9.—Taylor, W. N. An easily made vein-seeker. *Brit. M. J.*, 1941, 2: 730.—Thompson, C. G. K. The intravenous route; a new method and apparatus. *Lancet*, Lond., 1936, 1: 1173-5.—Titus, P. A combined needle adapter and thermometer for intravenous infusions. *J. Am. M. Ass.*, 1934, 102: 1676.—& Dodds, P. An apparatus for regulating the rate of flow and the temperature of intravenous injections of dextrose (d-glucose) and other solutions. *Ibid.*, 1928, 91: 471.—Touff, A. S. W. A combined needle and cannula for the administration of transfusions, and intravenous and subcutaneous infusions. *Am. J. M. Sc.*, 1932, 184: 413.—Tyvand, R. E. Vein retainer. *J. Am. M. Ass.*, 1930, 94: 26.—Waring, J. Needle for continuous intravenous drip therapy. *Lancet*, Lond., 1938, 2: 1180.—Watson, E. M. A constant-temperature apparatus for use during continuous intravenous administration of fluids. *Am. J. Obst.*, 1928, 15: 865.—Werthern, von. Mitteilung über eine neue Martin'sche Tropfkugel. *Zbl. Chir.*, 1926, 53: 2912.—Zala, J. [New instrument for compression of veins] *Gyógyászat*, 1935, 75: 182.

intravenous: Indication.

BORK, A. L. *The use of intravenous saline and glucose in medicine and surgery [Marquette Univ.] 9 l. 4°. Milwaukee, 1929.

Acuña, M. La vía endovenosa y peritoneal en la terapéutica infantil. *Sem. méd.*, B. Air., 1934, 41: pt 1, 1569-71.—Ashby, J. E., & Moore, H. L. Continuous intravenous therapy in infants. *J. Pediat.*, S. Louis, 1935, 6: 88-93.—Bier, R. A. The value and indications of intravenous injections in pediatrics. *Med. Ann. District of Columbia*, 1933, 2: 9-12.—Clark, D. E., & Brunschwig, A. Intravenous nourishment with protein carbohydrate and fat in man. *Proc. Soc. Exp. Biol.*, N. Y., 1942, 49: 329-32.—Cutter, R. K. The use of large volume intravenous injections. *J. Am. M. Ass.*, 1936, 106: 1250-2.—Dutton, W. F. Rational intravenous therapy. *McJ. J. & Rec.*, 1927, 125: 101-4.—The present status of intravenous therapy. *Ibid.*, 1929, 130: 459; 500.—Elsbach, L. [Permanent intravenous drop-infusion before surgical interventions] *Ned. tschr. geneesk.*, 1932, 76: pt 1, 1474-7.—Frick, E. J. Intravenous therapy in small animals. *J. Am. Vet. M. Ass.*, 1933, 82: 732-5.—Friedemann, M. Die intravenöse Dauertropfinfusion im Dienste der Verwundeten und Kranken im Felde. *Münch. med. Wschr.*, 1939, 86: 1431.—Habein, H. C. The intravenous use of fluids. *Collect. Papers Mayo Clin.*, 1938, 30: 963-70. Also *Southwest M.*, 1938, 22: 353-60.—Hacker, E. Zur intravenösen Dauertropfinfusion bei Säuglingen. *Med. Klin.*, Berl., 1934, 30: 1422.—Henderson, G. T. Value of the intravenous route. *Vet. Rec.*, Lond., 1941, 53: 606.—Hewitt, E. A. Blood transfusion and fluid infusion. *Vet. Med.*, Chic., 1936, 31: 347-56.—Hunt, R., McCann, W. S. [et al.] The status of intravenous therapy. *J. Am. M. Ass.*, 1927, 88: 1800; 1928, 90: 764; 1929, 91: 1374; 92: 2099.—Hyman, H. T., & Hirshfeld, S. The therapeutics of the intravenous drip. *Ibid.*, 1933, 100: 305-10.—Hyman, H. T., & Touff, A. S. W. Therapeutics of the intravenous drip; further observations. *Ibid.*, 1935, 104: 446-55.—Intravenous alimentation. *N. York State J. M.*, 1943, 43: 313.—Keith, N. M. Intravenous medication; physiologic principles and therapeutic applications. *J. Am. M. Ass.*, 1929, 93: 1517-22.—Lacalle, E. Via endovenosa en los niños lactantes. *Arch. med.*, Madr., 1926, 23: 444-8.—Loeper, M., Varay, A. [et al.] Application élargie des injections intraveineuses lentes. *Bull. Soc. méd. hôp. Paris*, 1939, 3. ser., 55: 302-12.—Mason, J. T. Intravenous fluids; practical considerations, in shock, dehydration, starvation, etc. *Indust. M.*, 1936, 5: 168-71.—Mira López, E. Valor terapéutico de las inyecciones endovenosas de soluciones hipertónicas en neuro-psiquiatria. *Ars méd.*, Barcel., 1928, 4: 41-6. Also *Siglo méd.*, 1928, 81: 546.—Munger, A. B. The rational use of intravenous solutions. *Nebraska M. J.*, 1939, 24: 19-52.—Schwentker, F. F. Intravenous therapy in children. *Internat. Surg. Digest*, 1931, 11: 3-7.—Sladkovitch, S. E. [Phantom for acquiring the technique in intravenous injections] *Klin. med.*, Moskva, 1933, 11: 320.—Stahl, R., & Zedler, H. Intravenöse Dauertropfinfusion; Anwendung in der inneren Klinik. *Münch. med. Wschr.*, 1939, 86: 613-8.—Thomas, G. La vía endovenosa en el lactante. *Arch. argent. pediat.*, 1941, 16: 408.—Weiss, F. Zur Indikation der intravenösen Dauertropfinfusion bei Säuglingen. *Kinderärztl. Prax.*, 1936, 7: 542-4.

intravenous: Solutions.

See also subheading Solutions.

Bleyer, L. F., & Rohde, M. A method for producing pyrogen-free water for intravenous therapy. *Am. J. Surg.*, 1937, 37: 136.—Cooper, E. L., & Haldane, A. J. B. A note on the preparation of intravenous solutions. *Med. J. Australia*, 1932, 1: 736.—Co Tui & Wright, A. M. The preparation of nonpyrogenic infusion and other intravenous fluids by adsorptive filtration; report of 42 months' trial. *Ann. Surg.*, 1942, 116: 412-25.—Co Tui, McCloskey, K. L. [et al.] A new method of preparing nonpyrogenic intravenous infusion fluids. *Ibid.*, 1937, 106: 1089-94.—A new method of preparing infusion fluids, based on removal of pyrogen by filtration. *J. Am. M. Ass.*, 1937, 109: 250-2.—Dinsmore, J. C., & Buckri,

R. C. New method of preparing solutions for intravenous use. *Mod. Hosp.*, 1934, 42: 98-100.—**Dyoff, R.** Eine verwendungsbereite Infusionslösung für den Praktiker. *Deut. med. Wschr.*, 1926, 52: 1851-3.—**Hardeman, D. R.** Intravenous medication, a consideration of some of the drugs used today. *Tristate M. J.*, 1934, 6: 1320-5.—**Hixon, F. A., & Shank, H.** The possibility of bacterial contamination of fluids used in infusions. *Nurs. Educ. Bull.*, 1930, n. ser., 26.—**Jorgensen, S.** [Comparative intravenous injections with glucose, levulose and galactose] *Hospitaltidende*, 1926, 69: 337-50.—**Lafont, J.** Notes et formules de thérapeutique intraveineuse. *Progr. méd.*, Par., 1930, 1521-36.—**Lampert, H.** Verbesserung der intravenösen Infusion, im besonderen für Dauertropfinfusionen, intravenöse Narkose und wissenschaftliche Experimente. *Zbl. Chir.*, 1927, 54: 1561-3.—**Paul, A. E.** What about these ready-made intravenous solutions? well, here's what one superintendent whose hospital was among the first to use them, has to say. *Hosp. Management*, 1933, 39: 42.—**Rosenthal, W.** Erfahrungen mit Infusin, einer gebrauchsfertigen, isotonischen Lösung. *Zbl. Chir.*, 1927, 54: 515-8.—**Schey, W.** Ueber intravenöse Dauer-Tropf-Infusion mit Kalorielösung. *Wien. klin. Wschr.*, 1927, 40: 421.—**Walter, C. W.** Preparation of safe intravenous solutions. *Surg. Gyn. Obst.*, 1936, 63: 643-6.—**Weichardt.** Sterile Infusionsflüssigkeiten. *Arch. Unfallchir.*, 1932-33, 32: 566-70. Also *Chirurg*, 1932, 4: 839-41. — Ueber Infusionslösungen. *Ibid.*, 1933, 5: 889-92.

intravenous: Technic.

BURZYNSKI, E. *Considerations in the administration of intravenous fluids. 20p. Milwaukee, 1937.

KUNSTMANN, H. K. *Ein Verfahren zur intravenösen Dauerinfusion bei Maus, Ratte und Kaninchen [Würzburg] p.77-83. 8°. Würzb., 1928.

Also *Arch. exp. Path.*, Lpz., 1928, 132:

SCHMIDT, J. [G.] *Beiträge zur intravenösen Dauertropfinfusion. 34p. 8°. Frankf. a. M., 1937.

WEISBACH, M. W. *Intravenöse Dauertropfinfusion (vereinfachte Technik, klinisch-experimentelle Untersuchungen) 25p. 21cm. Bresl., 1938.

Adler, H. Die intrakavernöse Injektion. *Wien. klin. Wschr.*, 1926, 39: 417.—**Allison, P. R.** Continuous intravenous infusion. *Brit. J. Surg.*, 1936, 24: 137-40, 2 pl.—**Andres, J.** Technik der Blutentnahme und der intravenösen Injektion beim Rindvieh und beim Schwein. *Schweiz. Arch. Tierh.*, 1937, 79: 383-7.—**Bakács, G.** Intravenöse Injektionen beim Meerschweinchen. *Klin. Wschr.*, 1927, 6: 311.—**Barbosa, O. G.** Sobre um caso tratado pela venoclise continua. *Fol. med.*, Rio, 1937, 18: 450-2.—**Benmosche, M.** A simple procedure to facilitate slow intravenous injections. *Virginia M. Month.*, 1936-37, 63: 559.—**Black, W. C.** Continuous intravenous drip in infants and children. *Arch. Dis. Child.*, Lond., 1937, 12: 381-7.—**Brash, J. M.** Method for the continuous infusion of infants. *Am. J. Dis. Child.*, 1932, 44: 366.—**Bugge-Naess, R.** Die intravenöse Therapie in der tierärztlichen Praxis. *Münch. tierärztl. Wschr.*, 1935, 86: 445-51.—**Canella, C.** Le iniezioni endogugulari nell'adulto. *Policlinico*, 1930, 44: sez. prat., 1873.—**Chabrol, E., & Sallet, J.** La méthode des injections intraveineuses lentes et continues en hydrologie expérimentale. *Faris méd.*, 1936, 99: 334-9.—**Chevalier, P.** Técnica de las inyecciones intravenosas. *Progr. clín.*, Madr., 1920, 16: 157-60.—**Cuttle, T. D.** Transfusions and infusions in infants. *S. Barth. Hosp. J.*, Lond., 1937-38, 45: 293.—**Deaderick, W. H.** The technic of intravenous medication. *Internat. Clin.*, 1929, 39, ser., 3: 34-59.—**Diétel, F.** Zur Technik der intravenösen Injektion. *Münch. med. Wschr.*, 1926, 73: 2029.—**Escher.** Intravenöse Injektionen ohne Infusionsapparat. *Berl. tierärztl. Wschr.*, 1926, 42: 153.—**Fayet, P. A.** Des injections intraveineuses chez les grands herbivores. *Rev. path. comp.*, Par., 1919, 19: 105-7.—**Felsenreich, F.** Zur Technik perkutaner intravenöser Infusionen. *Zbl. Chir.*, 1930, 57: 139.—**Frankel, E.** A simple technique of intravenous infusion. *Brit. M. J.*, 1941, 2: 459.—**Gellert, S. M.** Technic of intravenous injections. *Chicago M. Rec.*, 1926, 48: 244-6. Also *Urol. Cut. Rev.*, 1926, 30: 13-7.—**Gerson.** Technique des injections intraveineuses. *Hôpital*, 1934, 22: 389-93.—**Gindin, E. M.** [Technique of protracted intravenous drop-injection] *Khirurgia*, Moskva, 1939, No. 9, 122-4.—**Goldsmith, A. S.** A simplified method of intravenous injection. *J. M. Soc. N. Jersey*, 1940, 37: 106-8.—**Goodnow, M.** Intravenous medication; the nursing technique. *Trained Nurse*, 1926, 76: 139-43.—**Gratzl, E.** Die Technik der intravenösen Injektion bei Hund und Katze. *Wien. tierärztl. Mschr.*, 1938, 25: 745-54.—**Halmos, R.** Zur Technik der intravenösen Injektionen und Venenpunktion. *Med. Klin.*, Berl., 1929, 25: 1400.—**Hindmarsh, J.** [Intravenous drop by drop infusions] *Sven. läk. säll. förh.*, 1931, 28: 2-11; 401-21.—**Hull, D., & Chung, H.** Continuous intravenous infusions. *Am. J. Nurs.*, 1937, 37: 270-5.—**Hyman, H. T., & Hirschfeld, S.** Studies of velocity and the response to intravenous injections; technic of the intravenous

drip in clinical practice. *J. Am. M. Ass.*, 1931, 96: 1221.—**Imaz, I.** Medicación hematogena. *Dia méd.*, B. Air., 1932-33, 5: 841-4.—**Jacobs, H. R.** A practical method for the continuous administration of fluid intravenously. *J. Lab. Clin. M.*, 1934, 19: 768-71.—**Janishevsky, F. I.** [Slow intravenous drop injections] *Sovet. klin.*, 1934, 20: 521-6.—**Jensen, C. R.** Large quantities of fluids intravenously; principles and practice for their use. *Northwest M.*, 1935, 34: 75-84; passim.—**Johnson, T. O., & Maddock, W. G.** Intravenous administration of fluid. *Am. J. Nurs.*, 1935, 35: 526-8.—**Kálnoki, K. J.** [Newer technique of fluid's intravenous treatment] *Orv. hetil.*, 1936, 80: 734.—**Karelitz, S.** The continuous intravenous method of fluid administration (venoelisis) in pediatrics. *N. York State J. M.*, 1934, 34: 631-6.—**Katzenstein, J.** Vereinfachung der intravenösen Injektionen. *Münch. med. Wschr.*, 1927, 74: 1713.—**Kovács, N.** Ein neuer Weg zur intravenösen Injektion bei Kaninchen. *Zbl. Bakt.*, 1. Abt., 1931, 122: 287.—**Krill, W. R.** Intravenous medication in large animal practice. *J. Am. Vet. M. Ass.*, 1940, 96: 220-4.—**Kritzler, H.** Zur Infusionsbereitschaft des Praktikers. *Med. Klin.*, Berl., 1926, 22: 256.—**Lambert, S. M.** A technique of intravenous medication. *Native M. Pract.*, Suva, 1931, 1: 29-31.—**Larkin, C. L.** A method of using the same vein repeatedly for intravenous medications. *Surg. Gyn. Obst.*, 1929, 49: 203.—**Le Guyon, R. F.** Injections intra-veineuses par la dorsale de la verge chez les petits animaux de laboratoire (souris, rat, cobaye) *C. rend. Soc. biol.*, 1931, 107: 1000.—**Levisohn, E. D.** Technic of intravenous therapy. *Clin. M. & S.*, 1930, 37: 813-5.—**Loucks, H. H., Huang, J. J., & Hull, D. D.** The continuous intravenous infusion. *Chin. M. J.*, 1937, 51: 1-8, 3 pl.—**Lundy, J. S., & Osterberg, A. E.** Intravenous administration of fluids including blood transfusion. *Surgery*, 1937, 2: 590-7.—**McCartney, J. E.** An improved technique for administering intravenous solutions and for blood transfusion. *Lancet*, Lond., 1935, 2: 1476.—**Mantoux, C.** L'injection intraveineuse en position défective. *Presse méd.*, 1928, 36: 1492.—**Marie, J.** L'instillation intraveineuse continue chez le nourrisson (méthode de Karelitz et Schick) *Bull. gén. clin. théor.*, 1937, 188: 108-12. Also in *Thér. méd. actual.*, Par. (1937) 1938, 4: 108-12.—**Marror, M. M.** The nursing hazards of intravenous medication. *Hosp. Progr.*, 1935, 16: 147-55.—**Melzner, E.** Intravenöse Dauertropfinfusion. *Münch. med. Wschr.*, 1931, 78: 1983, 2039.—**Miodoński, J.** [Methods in intravenous instillations] *Polska gaz. lek.*, 1933, 12: 170.—**Müller, J.** Intravenöse Dauertropfinfusion und ihre Störungen. *Deut. Zschr. Chir.*, 1935, 245: 149-55.—**Nagel, V.** Zur Technik der intravenösen Injektion. *Münch. med. Wschr.*, 1927, 74: 770.—**Nemetz, O.** Die Technik der intravenösen Injektion mit besonderer Berücksichtigung der Traubenzuckerlösung. *Strahlentherapie*, 1926-27, 24: 555-9.—**Niewiesch, H.** Ueber die intravenöse Dauertropfinfusion auf Grund einer fast 20jährigen Erfahrung. *Deut. Zschr. Chir.*, 1932, 236: 685.—**Nomura, S., & Okabe, N.** Klinische und Tier-Versuche mit der Methode der Infusion verschiedener Arzneilösungen direkt ins Herz durch die Vena mediana cubiti. *Taiwan igakkai zassi*, 1931, 30: 23.—**Palmedo.** Erfahrungen mit der intravenösen Dauertropfinfusion nach Friedemann. *Arch. klin. Chir.*, 1928, 153: 734-44.—**Pautov, N.** [Intercaevous injection of medicinal substances] *Belarus. med. dumka*, 1925-26, 2: 142-4.—**Phelps, M. E.** Emergency vein. *South. M. J.*, 1942, 35: 1091.—**Porter, H. B.** Intravenous drip; a review of the literature and technique of this method of fluid administration. *Mil. Surgeon*, 1937, 80: 192-201.—**Pulkárek, J.** [Methods of technic in intravenous instillation] *Cas. lék. česk.*, 1932, 71: 303-5.—**Ratcliff, R. A.** The maintenance of the water balance during continuous intravenous infusion. *Guy's Hosp. Rep.*, Lond., 1936, 86: 488-96.—**Sack, A.** Ein noch einfacheres Verfahren zur Blutentnahme und zur intravenösen Injektion ohne Assistenz. *Münch. med. Wschr.*, 1931, 78: 278.—**Salmon, M.** La perfusion veineuse; notions pratiques. *Marseille méd.*, 1942, 79: 191-206.—**Schäfer, G.** Zur Technik der intravenösen Dauertropfinfusion, unter Berücksichtigung ihrer Schädigungen. *Zschr. Geburtsh. Gyn.*, 1936, 113: 396-400.—**Schmitz, H.** Zur intravenösen Technik im Säuglingsalter, zugleich ein Wort zur Punktion des Sinus longitudinalis. *Kinderärztl. Prax.*, 1939, 10: 274-6.—**Schnitzler, J.** Die intravenöse Dauertropfinfusion. *Mitt. Volksgesundh.*, Wien, 1933, Aertzl. Prax., 264.—**Schürer-Waldheim, F.** Zur Technik der intravenösen Dauertropfinfusion. *Zbl. Chir.*, 1929, 56: 2266-9.—**Schust, H. P.** Intravenous injections through the venous plexus of the nose. *Arch. Otolaryng.*, Chic., 1940, 32: 1108.—**Schulzebecker.** Eine Vereinfachung der Technik des intravenösen Einlaufs. *Zbl. Chir.*, 1934, 61: 1605.—**Secord, A. C.** Intravenous therapy in small animals. *Canad. J. Comp. M.*, 1939, 3: 35-40.—**Selinger, M. A.** The technic of intravenous injections. *Med. Ann. District of Columbia*, 1933, 2: 54-8.—**Sister Theodore.** Improved method for maintaining uniformity of temperature of infusions. *Hosp. Progr.*, 1933, 14: 50.—**Smith, R. G., & Gower, W. E.** A simple method for slow intravenous injections. *J. Lab. Clin. M.*, 1928-29, 14: 685.—**Stahl, R.** Die intravenöse Dauertropfinfusion, vereinfachte Technik und interne Indikationen. *Verh. Deut. Ges. inn. Med.*, 1936, 48. Kongr., 433-7.—**Weisbach, M. W.** Intravenöse Dauertropfinfusion; vereinfachte Technik; klinisch-experimentelle Untersuchungen. *Münch. med. Wschr.*, 1939, 86: 610-3.—**Stern, A.** Ein fehlerloses Verfahren zur intravenösen Injektion. *Med. Klin.*, Berl., 1931, 27: 890.—**Teisinger, J.** [Drop method in intravenous injections] *Cas. lék. česk.*, 1931, 70: 491-5.—**Trommer.** Zur Technik der intravenösen Injektion. *Münch. med. Wschr.*,

1926, 73: 1801.—**Van Hirtum**. Sur la technique des injections intraveineuses. *Rev. méd.*, Louvain, 1920, 288-90.—**Voss, E. A.** Die Technik der intravenösen Injektion. *Kinderärztl. Prax.*, 1939, 10: 457-60.—**Walter, C. W.** Economical intravenous therapy. *J. Am. M. Ass.*, 1935, 104: 1688-90.—**Warthen, H. J.** Ueber intravenöse Infusion in grossen Mengen. *Beitr. klin. Chir.*, 1934, 159: 51-60. ——— Massive intravenous injections; an experimental study. *Arch. Surg.*, 1935, 30: 199-227.—**Welcker, A.** [Permanent venoclysis] *Ned. tsschr. geneesk.*, 1936, 80: 894.—**Woerner, C. A.** A simplified method for continuous intravenous injection into small animals. *J. Lab. Clin. M.*, 1938-39, 21: 963-70.—**Wood, I. J.** The technique of continuous intravenous administration of glucose-saline solutions and blood. *Med. J. Australia*, 1936, 2: 843-7. ——— & **Ross, C. W.** The technique of the intravenous administration of blood and physiological solutions. *Australas. N. Zealand J. Surg.*, 1933, 2: 317-25, pl.—**Your** intravenous therapy technique can be simpler. *Surg. Equip.*, 1938, 5: No. 2, 12-3.—**Zambrzycki, J.** [New methods in intravenous treatments] *Polska gaz. lek.*, 1933, 12: 795-6; 1934, 13: 373.—**Zamoschkin, M. B.** [Phantom for veno-puncture and intravenous injections] *Feldsher, Moskva*, 1938, No. 10, 47.

Pharmacology.

LANGE, E. *Experimentelle Untersuchungen über Gewebsveränderungen durch Traubenzucker- und Adrenalinlösungen [Kiel] 18p. 8: Freib. i. B., 1936.

Adolph, E. F., & Lepore, M. J. How intravenous infusions modify the water contents of tissues. *Proc. Soc. Exp. Biol.*, N. Y., 1931, 28: 963-5.—**Alexandrow, A. T.** Ueber die Veränderungen des Herzvolumens und Blutdrucks bei schneller Einführung kleiner Mengen von isotonischer Flüssigkeit in die Blutbahn. *Zschr. ges. exp. Med.*, 1929, 57: 723-30.—**Altschule, M. D., & Gilligan, D. R.** The effects on the cardiovascular system of fluids administered intravenously in man; the dynamics of the circulation. *J. Clin. Invest.*, 1938, 17: 401-11.—**Beard, J. W., & Blalock, A.** Intravenous injections; a study of the composition of the blood during continuous trauma to the intestines when no fluid is injected and when fluid is injected continuously. *Ibid.*, 1932, 11: 249-65.—**Beard, J. W., Wilson, H.** [et al.] A study of the effects of hemorrhage, trauma, histamine and spinal anesthesia on the composition of the blood when no fluids are injected and when fluids are introduced intravenously. *Ibid.*, 1921-309.—**Benda, R., & Veau, P.** Influence des injections intra-veineuses sur la vitesse de sédimentation des hématies. *Sang. Par.*, 1937, 11: 656-9.—**Bennhold, H.** Ueber gezielte Transporte verschiedener Medikamente vom Injektionsort zum Erfolgsorgan (Evipran, Salvarsan, Atebrin, Trypaflavin) *Verh. Deut. Ges. inn. Med.*, 1934, 46. Kongr., 378.—**Blalock, A., Beard, J. W., & Thuss, C.** Intravenous injections; a study of the effects on the composition of the blood of the injection of various fluids into dogs with normal and with low blood pressures. *J. Clin. Invest.*, 1932, 11: 267-90.—**Büngeler, W.** Die Beeinflussung des Organstoffwechsels durch parenterale Reizkörperzufuhr. *Frankf. Zschr. Path.*, 1930, 39: 426-65.—**Dawson, W. T.** Influence of site of subcutaneous injection upon toxicity figures. *Proc. Soc. Exp. Biol.*, N. Y., 1934-35, 32: 596.—**Deotto, R.** Su alcuni fattori modificanti la distribuzione di sospensioni iniettate endovena (contributo allo studio sperimentale dei tropismi indotti) *Boll. Ist. sieroter. milan.*, 1937, 16: 439-54, pl.—**Donath, J.** Ueber Herdreaktionen und ihre therapeutische Bedeutung. *Wien. med. Wschr.*, 1927, 77: 1516-9.—**Gehlen, W.** Wirkungsstärke intravenös verabreichter Arzneimittel als Zeitfunktion; ein Beitrag zur mathematischen Behandlung pharmakologischer Probleme. *Arch. exp. Path. Berl.*, 1933, 171: 541-54.—**Gilligan, D. R., Altschule, M. D., & Linenthal, A. J.** Effects on the cardiovascular system of man of fluids administered intravenously; studies of the glomerular filtration rate as measured by the urea clearance. *Arch. Int. M.*, 1939, 64: 505-12.—**Gilligan, D. R., Altschule, M. D., & Volk, M. C.** The effects on the cardiovascular system of fluids administered intravenously in man; studies of the amount and duration on changes in blood volume. *J. Clin. Invest.*, 1938, 17: 7-16.—**Götsch, R.** Modificazione della formula leucocitaria per somministrazione sottocutanea od endovenosa di alcuni anioni. *Arch. farm. sper.*, Roma, 1934, 57: 253-89.—**Griffith, J. Q., jr.** Studies in blood volume and blood pressure following the extravascular administration of fluid in rats. *Am. J. Physiol.*, 1938, 122: 140-2.—**Hemingway, A., Scott, F. H., & Wright, H. N.** The kinetics of the elimination of the dye water blue from dog plasma after intravenous injection. *Ibid.*, 1935, 112: 56-64.—**Himwich, H. E., Goldman, C. S., & Krosnick, M. Y.** Studies on subcutaneous absorption. *Ibid.*, 1932, 102: 365-69.—**Hirshfeld, S., Hyman, H. T., & Wanger, J. J.** Influence of velocity on the response to intravenous injections. *Arch. Int. M.*, 1931, 47: 259-87, pl.—**Hittmair, A.** Ueber den Einfluss parenteral eingeführter Heilmittel auf die zellige Zusammensetzung der Bauchhöhlenflüssigkeit von Kaninchen. *Fol. haemat. Lpz.*, 1930, 41: 512-20.—**Kinsman, J. M., Spurling, R. G., & Jelsma, F.** Blood and cerebro-spinal fluid changes after intravenous injection of hypertonic solutions. *Am. J. Physiol.*, 1928, 84: 165-75.—**Kisch, F.** Die Kreislaufwirkung endovenös zugeführter hypertensiven Lösungen. *Wien. med. Wschr.*, 1927, 77: 621-3.—**Klein, G., & Grosse, A.** Theoretische und prak-

tische Ergebnisse mit parenteralen Depots. *Zschr. ges. exp. Med.*, 1936, 98: 623-50.—**Köhler, H.** Die Gerinnungs- und Senkungsbeschleunigung des Blutes nach intravenösen Injektionen. *Münch. med. Wschr.*, 1929, 76: 1665.—**Konstantinov, V. M.** [Effect of temporary compression of arteries on distribution of trypan blue and india ink in intravenous introduction] *Arch. biol. nauk*, 1930, 30: 639-50.—**Kreiner, W. M., & Kunz, H.** Ueber charakteristische Leitfähigkeitsänderungen des Serums nach Infusionen und Transfusionen. *Zschr. ges. exp. Med.*, 1933-34, 92: 172-80.—**Lehner, E., & Urbán, F.** Ueber die Veränderung der Empfindlichkeit der Haut nach intravenöser Injektion chemisch definierter entzündungserregender Substanzen und nach intravenöser Blutinjektion. *Krankheitsforschung*, 1927, 4: 375-80.—**Mathon, K., & Vinař, J.** [Effect of intravenous injections of various molecular concentration and temperature on the cerebro-spinal pressure] *Cas. lék. česk.*, 1936, 75: 1094-9.—**Miller, J. R., & Poindexter, C. A.** The effects observed following the intravenous and subcutaneous administration of fluid; an experimental study on dogs. *J. Lab. Clin. M.*, 1932-33, 18: 287-97.—**Minot, A. S.** Factors influencing the disposition of fluids given intravenously. *Am. J. Dis. Child.*, 1937, 54: 185.—**Mircoli, D.** Effetti emodinamici da infusioni massive. *Rass. fisiopat.*, 1937, 9: 129-58.—**Murphy, F. D., Correll, H., & Grill, J. C.** The effects of intravenous solutions on patients with and without cardiovascular defects. *J. Am. M. Ass.*, 1941, 116: 104-8.—**Oda, T.** Ueber die parenterale Zufuhr des Rohrzuckers und Invertins. *J. Biochem.*, Tokyo, 1928, 9: 383-405.—**Olivet, J.** Ilistohämorenale Verteilungsstudien; Verteilung bei Nierensperre. *Zschr. klin. Med.*, 1928, 108: 665-77. ——— & **Prüfer, J.** Ilistohämorenale Verteilungsstudien; tierexperimentelle Studien am Hunde. *Ibid.*, 653-64.—**Plindov, I. P.** [Role of the lungs in the process of absorption of certain substances, injected into the blood] *Arkh. pat. anat.*, Moskva, 1940, 6: No. 4, 80-7.—**Renaud, M.** Diffusion des substances injectées dans la circulation. *Rev. crit. path.*, Par., 1930, 1: 371-6.—**Salvioli, I., & Oselladore, G.** Come certe alterazioni di tessuti possano determinare l'arresto locale di sospensioni granulari iniettate nel sangue. *Pathologica, Genova*, 1928, 20: 163-5. ——— Ulteriori ricerche sulle condizioni che possono determinare l'arresto locale di sospensioni granulari iniettate nel sangue; azione dei raggi Röntgen. *Ibid.*, 215-7.—**Seibert, F. B.** Welche Substanzen erzeugen Fieber nach intravenöser Injektion? *Arch. exp. Path. Lpz.*, 1927, 121: 247-9.—**Sigman, E.** Effect of rapid transfusion on duration of systolic ejection of the left ventricle. *Proc. Soc. Exp. Biol.*, N. Y., 1933, 30: 911.—**Simon, I.** E il tessuto sottocutaneo una via di assorbimento passiva dei farmaci? variazioni del numero dei globuli rossi e dell'emoglobina per stimolazione del tessuto sottocutaneo. *Boll. Soc. ital. biol. sper.*, 1931, 6: 465-8. ——— Crioscopica contemporanea del sangue, del rene, dell'urina dopo introduzione endovenosa di svariati farmaci. *Ibid.*, 1932, 7: 1149-51. ——— L'importanza farmacologica della determinazione della dose minima letale lontana per via endovenosa. *Arch. ital. sc. farm.*, 1933, 2: 425-7. ——— Ricerche sulla pressione osmotica degli organi; variazioni della pressione osmotica dei sangue e degli organi a distanze diverse dall'iniezione endovenosa di soluzioni ipertoniche di cloruro di sodio e di solfato di sodio. *Arch. farm. sper.*, 1938, 66: 73-86.—**Sirota, L. S.** [Effect of intravenous injections on morphologic composition of blood] *Russ. klin.*, 1930, 14: 91-6. ——— Also *Sang. Par.*, 1930, 4: 304-10.—**Speranskaia-Stepanova, E. N.** Die Reaktion des Blutdrucks auf intravenöse und intraarterielle Injektionen. *Zschr. ges. exp. Med.*, 1933, 88: 616-21.—**Strauch, C. B.** Repository injections; how to obtain lasting effects with injected water-soluble medicaments such as insulin and epinephrine. *J. Am. M. Ass.*, 1929, 92: 1177-80. ——— & **Bernhardt, H.** Ueber parenterale Depots wasserlöslicher Medikamente. *Zschr. klin. Med.*, 1926, 104: 744-66.—**Tschaika, T.** Ueber die Verteilung und die Ablagerungsorte der Tusche nach subcutaner und intraperitonealer Einführung. *Zschr. ges. exp. Med.*, 1933-34, 92: 497-516.—**Ullmann, K.** Einfluss der Einverleibungsmethoden auf die Heilwirkung der spezifischen Arzneikörper. *Wien. klin. Wschr.*, 1928, 41: 1334-7.—**Unverricht, W., & Freude, E.** Die Wirkung intravenöser Injektionen auf das Magenbild; zugleich ein Beitrag zur Ionenwirkung. *Deut. med. Wschr.*, 1927, 53: 366. ——— Die Wirkung intravenöser Injektionen auf das Magenbild; klinische Wertung. *Klin. Wschr.*, 1927, 6: 1658-60.—**Usadel, G.** Klinische Erfahrungen mit parenteralen Heilmitteldépos. *Chirurg.*, 1935, 7: 865-73.—**Werner, K.** Abbau von parenteralen Depots; nach Versuchen mit Milchezuckerduranten an Kaninchen. *Beitr. klin. Chir.*, 1936, 163: 547-53.

Solutions and substances.

See also under names of injected substances as **Gas; Vaccine**, etc.

SÁNCHEZ MARTÍN, E. Las preparaciones inyectables. 2. ed. 170p. 22cm. B. Air., 1939.

Becker [Analeptic ampule preparations and their importance in the injection treatment in private practice] *Ugeskr. læger*, 1926, 88: 675.—**Bellis, C. J., & Scott, F. H.** The alteration of protein distribution, in vitro, between corpuscles and plasma caused by isosmotic and hyperosmotic solutions. *J. Biol. Chem.*, 1935, 111: 17-42.—**Begnini, R.** Le soluzioni impiegate per fleboclisi e per ipodermoclisi in rapporto alle

costanti del sangue. *Boll. Soc. eustach.*, 1926, 24: 107-28, pl.—**Bower, S. W.** Why hand-molded hypodermic tablets vary. *J. Am. Pharm. Ass.*, 1934, 23: 1207-10.—**Brzezinski, S.** [Manufacture, investigation and storage of solutions for injections] *Lek. wojsk.*, 1939, 33: 621-7.—**Bullrich, R. A.**, & **Velázquez, J. G.** Soluciones isotónicas por vía subcutánea; bromuro de magnesio y sulfato de magnesio. *Día méd.*, B. Air., 1940, 12: 1122-5.—**Fabre, P.** Au sujet de quelques résultats obtenus par l'emploi du sérum hypertonique. *Progr. méd.*, Par., 1931, 1477-81.—**Gibson, R. B.** Fluids for intravenous and subcutaneous use. *J. Iowa M. Soc.*, 1939, 29: 19-21.—**Hockett, A. J.** Intravenous solutions. *Tr. Am. Hosp. Ass.*, 1938, 40: 428-33.—**Hospitals** report current practices in use of intravenous solutions. *Hosp. Management*, 1940, 50: No. 6, 13-5.—**Jarotzky, A. I.** [Necessity of using isotonic physiologic solution in subcutaneous and intravenous injections] *Vrach. gaz.*, 1931, 35: 270-4.—**Lattimore, J. L.** Intravenous fluids. *J. Kansas M. Soc.*, 1942, 43: 416.—**Pille, G.** Les causes d'altérations et les moyens de stabilisation des solutions injectables. *Ann. méd. pharm. col.*, Par., 1939, 37: 974-84.—**Poplawski, W.** [Physiological solutions, their worth and action in diseases] *Lek. wojsk.*, 1926, 7: 356-63.—**Scherf, D.**, & **Weissberg, J.** The electrocardiogram after intravenous injection of hypertonic sucrose and saline solutions. *Cardiologia*, Basel, 1940, 4: 260-6.—**Sheets, W. T.** Solutions for parenteral administration. *Med. Bull. Veterans Admin.*, 1940-41, 17: 256-62.—**Smithers, G. W. G.** The injections of the British Pharmacopoeia 1932 and addenda. *Pharm. J.*, Lond., 1943, 96: 2.—**Trabucchi, E.**, & **Brelli, D.** Se nella pratica si usi tenere minuzioso conto della pressione osmotica e della reazione dei liquidi iniettabili. *Fisiol. & med.*, Roma, 1932, 3: 326-33.—**Wallenmeyer, J. C.**, & **Prickett, P. S.** Dispensing closure for sterile liquid containers. U. S. Patent Off., 1942, No. 2,301,988.—**Weichardt, W.** Ueber sterile, haltbare, isotonische Lösungen. *Deut. med. Wschr.*, 1926, 52: 1853. Ueber sterile, haltbare, isotonische Infusionslösungen. *Zbl. Chir.*, 1929, 56: 3078.—**Winkler, A.** Dauerampullen für Reiheninjektionen. *Deut. med. Wschr.*, 1928, 54: 745.

Solutions and substances: Preparation.

Baroni, E. Delle iniezioni ipodermiche; l'esalgina per uso ipodermico. *Gior. farm. chim.*, Tor., 1903, 52: 241.—**Dixon, J. T.** The preparation of solutions for injection at a casualty clearing station. *J. R. Army M. Corps*, 1942, 78: 146-8.—**Ettore, C.** Importanza della concentrazione degli idrogenioni nella preparazione di soluzioni iniettabili. *Rass. ter. pat. clin.*, 1929, 1: 150-9.—**Grintzesco, G.**, & **Bibesco, M. J.** Rapport présenté par la Roumanie sur la préparation et la conservation des solutions injectables employées dans les services de santé militaires. *C. rend. Congr. internat. méd. pharm. mil.*, 1931, 1: 447-76.—**Lees, J. C.**, & **Levy, G. A.** Emergency preparation of pyrogen-free water. *Brit. M. J.*, 1940, 1: 430-2.—**Murray, N. A.** Temperature studies on intravenous fluids. *J. Lab. Clin. M.*, 1941-42, 27: 1164.—**Preparazione** delle iniezioni ipodermiche sterilizzate di kacadilato di stricnina milligr. 0.5; glicerofosfato di sodio centigr. 10 ogni cm³ di soluzione. *Gior. farm. chim.*, Tor., 1905, 54: 339.—**Smithers, G. W. G.** The preparation of tablet triturates for use in hypodermic injections. *Pharm. J.*, Lond., 1939, 89: 171. Also *Q. J. Pharm.*, Lond., 1939, 12: 478-88.—**Todd, J. P.**, & **Gemmell, D. H. O.** Preparation of intravenous fluids. *Lancet*, Lond., 1942, 2: 112.—**Upton, R. A.**, & **Swanton, H. B.** Preparing parenteral fluids. *Am. J. Nurs.*, 1941, 41: 539-43.—**Wilhelm, N. A.** Preparation of safe parenteral solutions by hospitals. *Hospitals*, 1938, 12: No. 11, 49-52.

Sterility.

See also Sterilization.

VERGARA MANSILLA, G. *Contribución al estudio de las variedades del Ph en las soluciones inyectables especialmente en las soluciones anestésicas por la temperatura de esterilización. 36p. 8°. Santiago, 1930.

WELLS SONE, M. L. *Sobre temperatura de esterilización de algunas soluciones inyectables. 52p. 8°. [Santiago] 1930.

Ballespi Serra, M. Esterilización y técnica de las soluciones inyectables. *Med. iber.*, 1935, 29: pt 1, 68.—**Baroni, E.** Sulla sterilizzazione delle iniezioni ipodermiche. *Gior. farm.*, Trieste, 1902, 7: 129; 165. Della sterilizzazione discontinua applicata alle iniezioni ipodermiche. *Gior. farm. chim.*, Tor., 1905, 54: 152-4.—**Berry, H.** The preparation of sterile solutions for parenteral injection. *Pharm. J.*, Lond., 1939, 89: 311.—**Deininger, J.** Herstellung und Keimfrei-machung der Injektionsflüssigkeiten in der Apotheke. *Deut. Apoth. Ztg.*, 1941, 56: 293; 302.—**Gutschmidt, U.** Ueber Sterilisation von Flüssigkeiten, insbesondere von Infusionsflüssigkeiten. *Arch. klin. Chir.*, 1933, 176: 166-80.—**Ha.** Wodurch kann die Sterilität von Injektionen gefährdet sein? *Deut. Apoth. Ztg.*, 1939, 54: 821.—**Hegler, C.** Die Sterilität bei Injektionen. *Chirurg*, 1941, 13: 334-6.—**Kappis, M.**, & **Wadler, G.** Die Sterilität der Einspritzungen und Infusionen. *Zbl. Chir.*, 1933, 60: 970-80.—**Milian, G.** Injections médicamenteuses et aseptie. *Bull. Soc. méd. hôp. Paris*, 1932, 3. ser., 48: 702-8.—

Zeissler. Vorschläge für die Sterilisation von Injektions-sprizen, Kanülen und Injektionsflüssigkeiten. *Chirurg*, 1941, 13: 336-41.

subcutaneous.

BARTHOLOW, R. Manual of hypodermic medication. 2. ed. 170p. 8°. Phila., 1873. Also 3. ed. 249p. 1879. Also 5. ed. 540p. 1891.

CAZZANI, U. La ipodermoterapia nella tecnica farmaceutica e nella pratica medica. 563p. 8°. [Milano, 1928] Also 2. ed. 957p. 22½cm. 1939.

MONTEVERDI, A. L'atropina, la morfina, il curaro e l'ammoniaca iniettati sotto la pelle, nella dura di varie forme morbose. 30p. 21½cm. Milano, 1871.

SEVERINO FREIRE GAMEIRO, J. *Algumas considerações sobre o methodo hypodermico. 41p. 8°. Lisb., 1879.

Bicak, J. F. Hypodermic technic. *Med. J. & Rec.*, 1931, 133: 191-4.—**Bruckner, W. J.** Hypodermic injection. In *Ther. Int. Dis.* (Blumer, G., et al.) N. Y., 1: 1940, 773-81.—**Cameron, J.** Hypodermic medication in hospitals in China. *China M. J.*, 1928, 42: 92-5.—**Cazzani, U.** Ipodermoterapia; sviluppi di teorie e di pratiche applicazioni. *Boll. chim. farm.*, 1939, 78: 147-51.—**Delle iniezioni ipodermiche in generale.** *Gior. farm.*, Trieste, 1902, 7: 97-103.—**Des injections sous-cutanées; règles pour en prévenir les dangers.** *J. chim. méd.*, Par., 1866, 5. ser., 2: 396-8.—**Dickinson, C. C.**, & **Stowell, C. F. B.** Hypodermic injection apparatus, and method of preparing for and making such injections. U. S. Patent Off., 1941, No. 2,238,582.—**Dodds, T.**, **Petry, L.**, & **Koepke, C. A.** Simplifying hypodermic injections. *Am. J. Nurs.*, 1940, 40: 1345-54.—**Fabiani, G.**, & **Kehl, R.** Le paradoxe des injections intra-dermiques chez le cobaye; le siège des injections sous-cutanées. *C. rend. Soc. biol.*, 1936, 121: 343-6.—**Fratini, J. F.** Soluciones inyectables transcutáneas; obtención de soluciones isotónicas. *Rev. san. mil.*, B. Air., 1941, 40: 647; passim.—**Furniss, H. D.** Hypodermic medication; variation of doses. *Med. J. & Rec.*, 1927, 135: 320.—**Geffen, M. W.** Emergency hypodermic outfit. *Brit. M. J.*, 1941, 1: 932.—**Hayner, J. C.** The hypodermic and the homeopath. *J. Am. Inst. Homeop.*, 1935, 28: 594-8.—**Hollingsworth, J. R.** Device for facilitating the administration of subcutaneous hypodermic injections. U. S. Patent Off., 1941, No. 2,238,323.—**Inley, S. W.** The control of immediate shock following hypodermic medication; preliminary report. *J. Am. M. Ass.*, 1930, 94: 765-7.—**Kionka, H.** Ueber perkutane Therapie. *Fortsch. Ther.*, 1929, 5: 173-6.—**Laqueur, A.** Perkutane Therapie. *Klin. Fortbild.*, 1934, 2: 248-85.—**Lehman, E.**, **Underwood, M. N.**, & **Irwin, F.** A streamlined hypodermic technic. *Am. J. Nurs.*, 1942, 42: 1291.—**Mendonça, J. de.** Abuso da medicação hypodermica. *Brasil med.*, 1927, 41: pt 1, 693.—**Oborin, A. K.** [Portable appliance for subcutaneous injections of physiological solutions] *Soviet med.*, 1938, No. 22, 48.—**Simon, I.** E il tessuto sottocutaneo una via di assorbimento passiva per i farmaci? *Boll. Soc. med. chir.*, Pavia, 1928, 3: 1119; 1171.—**Van Hook, W.** Introducing solutions subcutaneously. *Boston M. & S. J.*, 1926, 195: 219.—**Waller, W. E.** The hypodermic injection outfit in private practice. *Lancet*, Lond., 1933, 2: 139.—**Zamoshechin, M. B.** [Bobrov's improved apparatus for subcutaneous injections] *Soviet med.*, 1938, No. 2, 51.

Technic.

Burch, G. E. A simple method for accurate injection of small volumes of fluid. *Proc. Soc. Exp. Biol.*, N. Y., 1939, 40: 676-8.—**Comandon, J.**, & **de Fonbrune, P.** Nouvelle technique de micro-injection. *Ann. physiol.*, Par., 1934, 862.—**Fernández, A. A.** La piqure non douloureuse dans les injections. *P. verb. Congr. derm. syph. fr.* (1923) 1925, 2. Congr., 365-7.—**Fraisse.** Technique et applications de l'injection paravertébrale. *J. méd. Paris*, 1928, 47: 571-4.—**Guaíta, A.** Inyecciones; precauciones mínimas. *Día méd.*, B. Air., 1940, 12: 592-4.—**Hartmann, A. F.** Theory and practice of parenteral fluid administration. *Am. J. Pharm.*, 1934, 106: 424-35.—**Parenteral fluid administration.** In *Modern Med. Ther.* (Barr, D. P.) Balt., 1940, 1: 202-24.—**Hitschmann, E.** Zum Gebrauch der Injektions-spritze. *Wien. klin. Wschr.*, 1926, 39: 1252.—**Hypodermoclysis;** phlebotomy (venoclysis) and pneumothorax. *Surg. Equip.*, 1940, 7: No. 4, 18.—**Kirshner, M.** Die Praxis der Keimbekämpfung bei der Vornahme von Injektionen. *Chirurg*, 1941, 13: 193-8.—**Konrich, F.** Zur bakteriologische einwandfreie Anwendung parenteral zugeführter Arzneimittel. *Munch. med. Wschr.*, 1938, 85: 897-9.—**La Rochelle, F. D.** Office treatment by injections. *Clin. M. & S.*, 1932, 39: 436-8.—**Miner, P. F.** Administration of parenteral fluids. *Rocky Mountain M. J.*, 1940, 37: 500.—**Scholer, H. C.** Building practice with a hypodermic needle. *Clin. M. & S.*, 1937, 44: 81.—**Suggestions** for hypodermoclyses and intravenous procedures. *Am. J. Nurs.*, 1934, 34: 957-60.—**Trutmann, H. W.** Praktisches zur Injektionsbehandlung. *Praxis*, Bern, 1942, 31: 722-4.—**Wood, E. A.** On giving injections. *Practitioner*, Lond., 1939, 142: 769-72.

Untoward effects.

See also subheading Accidents; also under names of complications as **Gas gangrene**—after injections, etc.

KERWIEN, H. [E. G.] *Ueber die Gefahr peripher Nervenschädigungen bei subcutanen, intramuskulären und intravenösen Einspritzungen und ihre Vermeidbarkeit [Königsberg] 33p. 8°. Stallupönen, 1934.

Anschütz, W. Ueber Gasbrandinfektionen nach subkutanen Injektionen. Beitr. klin. Chir., 1927, 139: 129.—Arapov, D. A. [Anaesthetic infection after injections of various medicinal substances] Nov. khir. arkh., 1936, 37: 169-76.—Arzt, Fremdkörpertumoren nach Casbis-Injektionen. Zbl. Haut Geschlkr., 1936, 53: 290.—Belgondre, G. Souvenirs personnels à propos des embolies artérielles occasionnées par les injections intramusculaires. Ann. mal. vénér., 1930, 25: 745-58.—Birkenfeld, W. Schädigungen nach Glutäal-Einspritzungen. Med. Klin., Berl., 1938, 34: 903-5.—Bousfield, G. Painful injections: an avoidable cause. Brit. M. J., 1934, 2: 76.—Buschke, A. Ueber Abszesse nach intramuskulären Injektionen von Hydrargyrum salicylicum mit verunreinigtem Paraffin. Derm. Wschr., 1918, 67: 764.—Delattre, A., & Deroubaix, E. Deux cas de tumeurs consécutives à des injections de paratoxine. J. se. méd. Lille, 1926, 44: pt 2: 257-60.—Denne, H. Nervenschädigungen durch intramuskuläre Injektionen. Arch. orthop. Unfallchir., 1937, 38: 205-12.—Despontin, A. E. Tromboflebitis infecciosa y septicemia a consecuencia de inyecciones esclerosantes. Rev. méd. lat. amer., B. Air., 1939-40, 25: 915-20.—Diamant-Berger, L. Danzers et accidents des injections intramusculaires. Bull. méd., Par., 1938, 52: 676.—Forge, E., & Aimes, A. Abcès, incidents et complications, après une injection hypodermique ou intramusculaire ou endoveineuse. In their Les pièges chir., Par., 1939, 176-81.—Fornara, P. Le necrosi cutanee da ipodermoclisi glucosate adrenalinate. Clin. igiene inf., 1928, 3: 462-8.—Froehlich, W. Arterielle Embolien nach intramuskulärer Injektion. Schweiz. med. Wschr., 1932, 62: 207.—Goinard, P., & Mondzain-Lemaire, V. Les accidents régionaux des injections artérielles. Presse méd., 1935, 43: 1521-4.—Grau Triana, J. A propósito de los accidentes locales provocados por las inyecciones intramusculares. Rev. méd. cubana, 1930, 41: 1532-6.—Harding, F. E. Some allergic reactions to parenteral therapy. Med. Rec., N. Y., 1940, 152: 448-50.—Hart, A. Gefahren der intramuskulären Einspritzung an vorschrittmässiger Stelle. Zbl. Chir., 1941, 68: 1028-31.—Honigmann, F. Ueber gefährliche Infektionen nach Einspritzungen. Prakt. Arzt, 1927, n. F., 12: 528-31.—Insurance, Accidental death following hypodermic injection. J. Am. M. Ass., 1942, 120: 149.—Jeschek, J. Venenwandschädigungen nach Dauertröpfcheninfusion und deren Folgen (Thrombose-Embolie) Wien. med. Wschr., 1934, 84: 295-8.—Knorr, M. Punktion, Injektion und Infektion. Münch. med. Wschr., 1932, 79: 1599.—Köstlin, H. Spritzen-schäden. Arch. orthop. Unfallchir., 1939-40, 40: 226-49.—Kühnel, P. [Case of anaerobic infection after injection of adrenalin and digisolvine] Hospitalstidende, 1928, 71: 663-70.—Kuzma, V. [Lesions of the tissues by injections and their treatment] Medicina Kaunas, 1933, 14: 638-48.—Lumière, A., & Lesbros, L. Les injections septiques. Lyon chir., 1927, 24: 533-7.—Lupton, A. W. The pain effects of injections of varying pH. Pharm. J., Lond., 1942, 94: 105.—Malpractice; infection following hypodermic injection of morphine (Texas) J. Am. M. Ass., 1939, 113: 2088.—Merdinger, O. Behandlung von Infiltraten nach verschiedenen intravenösen und intramuskulären Injektionen. Refer. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 310.—Milbert, A. H. Infusion reactions with special reference to speed shock. Am. J. Surg., 1934, 26: 479-85.—Millan, G. L'infection par les injections médicamenteuses. Rev. fr. derm. vénér., 1938, 14: 163-73.—Nádrá, A. [Necrosis of the skin from subcutaneous injections of ephedrin and luminal] Budapesti orv. ujs., 1938, 36: 953-5.—Orr, T. G. Gas bacillus infection following subcutaneous injection of salt solution. J. Kansas M. Soc., 1934, 35: 213.—Perelman, L. B. [Type of reaction in neurotics to the puncture during injections] Vrach. gaz., 1929, 33: 2302-6.—Polará, U. Sulla gangrena gassosa da infezioni ipodermiche. Policlinico, 1932, 39: sez. chir., 57-64.—Ribeiro Pires, J. O perigo dos enquistamentos. Brasil med., 1942, 56: 315.—Russell, J. M. Infection following mandibular injections. Pennsylvania M. J., 1934, 38: 82.—Scheid, W. Nervenschädigungen nach intramuskulären Injektionen. Deut. Zahnärztl. Wschr., 1940, 43: 249-52. Also Münch. med. Wschr., 1940, 87: 311-4 (microfilm).—Schelenz, C. Zur Geschichte der parenteralen Infektion. Ibid., 1939, 86: 499-501.—Seze, S. de. Sur le danger de certaines injections intramusculaires. Bull. Soc. méd. hôp. Paris, 1940-41, 56: 802-5.—Shaine, M. M. Gangrene of the arm and death following hypodermic injection. J. Am. M. Ass., 1926, 87: 941.—Sittig, O. Lähmungen peripherischer Nerven nach Injektionen. Klin. Wschr., 1928, 7: 355-7.—Stepien, B. Lésion médicamenteuse du sciatique et du nerf cutané postérieur de la cuisse; absence de signe de Lasgüe. Rev. neur., Par., 1935, 42: pt 2, 597.—Sursberg, H. Gefahren und Schädigungen durch Einspritzung von Arzneimitteln in Muskeln. Fortsch. Ther., 1934, 10: 286-90.—Tarsis, F. I., Panov, W. P., & Vassiljeva, N. M. Zur Frage der

Behandlung der nach intramuskulären Hg- und Bi-Injektionen auftretenden Infiltrate. Derm. Zschr., 1928, 52: 394-8.—Tenopyr, J., & Shafroff, B. J. P. Gas infection after hypodermoclysis. J. Am. M. Ass., 1936, 106: 779.—Török, I. Behandlung der Nervenlähmung nach paravenöser Injektion. Chirurg, 1932, 4: 693.—Touraine, A. La gangrena gaseosa después de inyecciones medicamentosas. Rev. méd. veracruz., 1936, 16: 2099-109.—Travatham, U. A case of serious vasomotor disturbance after an injection. Ind. M. Gaz., 1928, 63: 451.—Uhlenbruck. Ueber Nervenlähmungen nach Injektionen. Münch. med. Wschr., 1931, 78: 1256-8.—Urbach. Multiple Hautnekrosen infolge spastisch-traumatischer Schädigungen bei Selbstinjektion von Adrenalin. Zbl. Haut Geschlkr., 1936, 53: 603.—Varela, R. On the prevention of pain and complications during and after intra-muscular injections. Urol. Cut. Rev., 1940, 44: 674-7.

veterinary.

Anderes, R. L. Fluid therapy in dogs. Vet. Med., Chic., 1941, 36: 61.—Bervi, V. F. [Technique of injections for cattle. Sovet. vet., 1940, 17: No. 4, 76.—Cristin, A. Sulla propinazione dei medicamenti e sulla diffusione della medicazione ipodermica in medicina veterinaria. Gior. farm. chim., Tor., 1870, 19: 265-73.—Munson, T. O. Saline and dextrose therapy. North Am. Vet., 1940, 21: 411-5.—Stuart, K. Apparatus for udder and intravenous infusion. Vet. Rec., Lond., 1941, 53: 710.

INJECTION technique plates for reference in the practice and study of dental local anesthesia. [10] l. 8°. N. Y., Cook lab., 1933.

INJURED.

See Accidents; Injury; Rehabilitation; Wounded.

INJURY.

See also Accidents; Emergency; Traumatology; also types and causes of injury as **Burn; Electric shock; Fracture; Head injury; Wound**, etc.

SAMMARTINO, E. S. *Consideraciones sobre algunos casos de traumatología de urgencia. 51p. 23½cm. B. Air., 1931.

Cubbins, W. R. Symposium on injuries. J. Iowa M. Soc., 1942, 32: 364.—Harden, R. N. Some features of trauma based on present day knowledge. Tr. Ass. Surgeons South. Rail. Syst., 1942, 1: 21-5.—Mendizabal, P. Principios sobre traumatología y clasificación de las lesiones. Cir. ciruján, Méx., 1935, 3: 219-24.—Nomenclature of nature and cause of violence. In Manual M. Dep. U. S. Navy, Wash., 1942, App. A, 48-55.—Reduction in personnel injuries: report from the U. S. S. Tennessee for 1939. U. S. Nav. M. Bull., 1940, 38: 430-3.—Sappington, C. O. A symposium on trauma. Indust. M., 1941, 10: 257-60.—Trauma in medicine. Med. Press & Circ., Lond., 1940, 204: 429.

Causes.

See also such headings as **Burn; Contusion; Explosion; Sport**, etc.

SEMASHKO, N. A. [Physical traumatism in children and its control] 104p. 22cm. Moskva, 1934.

Ackerman, N. W., & Chidester, L. Accidental self-injury in children. Arch. Pediat., N. Y., 1936, 53: 711-21.—Bailey, H. Compression phenomena. In his Surg. Mod. Warfare, 2. ed., Balt., 1942, 1: 29-36.—Bell, E. T. Mechanical injuries. In his Textb. Path., Phila., 4. ed., 1941, 24-6.—Injuries due to physical agents. Ibid., 27-33.—Injuries due to chemical agents. Ibid., 34-43.—Brooks, B., & Duncan, G. W. Effects of pressure on tissues. Arch. Surg., 1940, 40: 696-709.—Hart, D., & Jones, R. Self-inflicted injuries in civil practice; report of 14 cases. South. M. J., 1936, 29: 963-73.—Kossakowski, J. [Case of a grave injury of a child caused by a pig] Pediat. polska, 1936, 16: 285-8.—Landres, Z. A. [Congenital anomalies in development and further trauma: data from lying-in hospitals of Leningrad] In Sborn. trud. posv. G. I. Turner (Leningrad. Voen. med. akad. Kirov) Leningr., 1938, 285-90.—Moritz, A. R. Mechanical injuries. In his Path. Trauma, Phila., 1942, 13-73.—Patrick, J. The aetiological factor of injury in disease. Tr. R. Med. Chir. Soc. Glasgow, 1932, 26: 1-24.—Reed, J. V. Psychology of trauma. Indust. M., 1933, 2: 157-61.—Symonds. Etiologie et symptomatologie. Gaz. hôp., 1935, 108: 1285-91.

Clinical aspect.

PICCAGNONI, G. La febbre traumatica; studio clinico e sperimentale. 133p. 4°. Pavia, 1914.—Barata, P., & Alfredo, J. Mascara ecchymotica da face, contusão renal, fractura do humero. Arch. brasil. med., 1925,

15: 61-3.—Brizard, C. Un exemple de traumatisme bien-faisant. *Ann. méd. lég.*, 1933, 13: 287-9.—Clark, H. C. Some records concerning traumatism and malaria in Central America. *Surg. Gyn. Obst.*, 1930, 50: 329.—Farr, C. E. Injuries of soft tissue in infants and children. *Surg. Clin. N. America*, 1941, 21: 535-41.—Goldblatt, D., & Jewitt, E. The injured child. *Am. J. Surg.*, 1935, 29: 11-22.—Lang, F. R. An unusual case of multiple extreme injuries. *U. S. Nav. M. Bull.*, 1938, 36: 569-71.—Lange, C. de [Injuries in young infants] *Ned. tsehr. geneesk.*, 1935, 79: 2978.—Massetti, C. Considerazioni su un caso di lesioni gravissime al cranio e allo stomaco. *Zacchia, Roma*, 1932-33, 11: 12: 151-8.—Mock, H. E. Survey of trauma. *Internat. J. M. & S.*, 1929, 42: 136-40.—Moorhead, J. J. Trauma and the aged patient. *Am. J. Surg.*, 1934, n. ser., 26: 82-7.—Moraes, E. de. Sobre dois casos de traumatismos e suas consequências. *Brasil med.*, 1917, 31: 292.—Netto, L. J. Unrecognized importance of minor injuries. *J. Florida M. Ass.*, 1941-42, 28: 431-3.—Simone, M. Traumi gineologici fuori gravidanza; illustrazioni di casi clinici. *Atti Soc. ital. ostet.*, 1923, 22: 389-96.—Sobel, S. P. A preliminary report on traumatic diseases and tender areas. *Med. Rec., N. Y.*, 1939, 149: 44.—Solovieva, M. V., & Iurova, O. G. [Clinical aspect and course of post-traumatic changes in children] *Nevropat. psikiat.*, 1938, 7: No. 10, 66-73.

— Complications and sequelae.

See also Cripple; Gas gangrene; Hysteria; Infection; Neurosis; Tumor, etc.

BRADY, L., & KAHN, S. Trauma and disease. 613p. 8° Phila., 1937. ALSO 2. ed. 655p. 24cm. 1941.

CIAMPOLINI, A. Il trauma nella etiogenesi delle malattie; rapporti clinici e medico-legali. 546p. 8° Roma, 1932.

KÜPPERS, J. *Zur Kasuistik der posttraumatischen Seelenstörungen. 48p. 22cm. Bonn, 1931.

MADER, A. *Beiträge zur Pathologie traumatischer Krankheiten. 22p. 8° Bresl., 1916.

REED, J. V., & EMERSON, C. P. The relation between injury and disease. 577p. 26cm. Indianap. [1938]

SPICER, F. W. Trauma and internal disease. 593p. 23½cm. Phila. [1939]

Aftermath (The) of injuries. *Lancet, Lond.*, 1935, 2: 1133.—Aubertin, E., & Boiron, H. Influence des traumatismes effectués au niveau de l'estomac sur la localisation au niveau des poumons d'infections expérimentales réalisées par diverses voies. *C. rend. Soc. biol.*, 1933, 112: 871-4.—Butler, E. The traumatic state. *California West. M.*, 1936, 44: 474-7.—Ciampolini, A. Traumatismo y enfermedad. *Med. trabajo*, 1931, 2: 367-76.—Colwell, A. H. Trauma and disease. *Indust. M.*, 1941, 10: 233-6.—Del Vecchio, G. Sulle dermo-epidermiti microbiche post-traumatiche. *Assist. sociale, Roma*, 1934, 8: 348-56.—Duvour, M., Pollet, L. [et al.]. Troubles trophiques post-traumatiques; intérêt de l'étude des chronaxies. *Ann. méd. lég.*, 1938, 18: 211-9.—Gebhardt, D. Durch Verletzungen oder Frakturen entstandenen Nervenschäden. *Med. Klin., Berl.*, 1940, 36: 448 (microfilm).—Girgolv, S. S. [Evaluation of remote sequelae of injuries] *Vest. khir.*, 1939, 57: 545-51.—Guerrini, G. Trauma e malattia. *Gior. med. mil.*, 1934, 82: 521-5.—Hamill, R. C. Mental factors in traumatic situations. *Internat. J. M. & S.*, 1934, 47: 468-75.—Johnstone, R. T. The medicolegal relationship of trauma to disease. In his *Occup. Dis.*, Phila., 1941, 485-99.—Kennedy, F. Nervous conditions resulting from injury. In *Indust. Hyg. (Lanza-Goldberg)* N. Y., 1939, 267-312.—Kummel, M. Medicolegal aspects of disease aggravated by trauma. *J. M. Soc. N. Jersey*, 1932, 29: 546-51.—Lecène, P., & Moulouquet, P. Traumatismes et leurs complications. In *Précis path. chir.*, 6. éd., 1937, 1: 157-234.—Lugones, C. Traumatismos; complicaciones no infecciosas; síncope-desmayo. *Día méd., B. Air.*, 1936, 8: 395. — Complicaciones generales, no infecciosas, de los traumatismos. *Ibid.*, 1941, 13: 389-92.—MacDonald, M. E. Posttraumatic states. In *Pract. Libr. M. & S. (Appleton)* N. Y., 1934, 5: 977-94.—Moritz, A. R. Trauma and infection. In his *Path. Trauma*, Phila., 1942, 74-101.—Norsa, G. Trauma e malattia. *Gazz. osped.*, 1930, 51: 1457-60.—Ornstein, A. M. Functional disorders of the nervous system as sequelae to trauma. *Am. J. Surg.*, 1938, n. ser., 42: 772-84.—St George, A. V. The relationship of organic disease to injury. *Ibid.*, 1934, n. ser., 26: 185-94.—Shehukarev, K. A. [Pulmonary complications in wounded] *Sovet. med.*, 1940, 4: No. 22, 18-22.—Trauma in relation to hernia, hyperthyroidism and neurocirculatory asthenia. *J. Am. M. Ass.*, 1937, 109: 1935.—Vaccaro, L. Traumatic injuries and mental disturbances. *Indust. M.*, 1941, 10: 187-9.—Walker, G. F. Injury and internal disease. *Brit. M. J.*, 1941, 1: 659-63.—Weinberg, M., & Barotte, J. Essais de vaccination contre les anarobies des traumatismes. *C. rend. Soc. biol.*, 1926, 94: 312-4.—Zetlin, S. L., & Efron, A. S. [Course of traumatic affections] *Sovet. psikhonev.*, 1937, 13: 26-32.

— Criminological aspect.

See also Asphyxia; Drowning; Forensic medicine; Gunshot wound; Hanging; Homicide; Murder; Suicide, etc.

CORNELIUS, E. *Wunde und Werkzeug bei Verletzungen durch stumpfe Gewalt [Bonn] 32p. 23½cm. Lpz., 1936.

Also *Arch. Krim.*, 1936, 99:

RÄUBER, W. Die Körperverletzungs-Kriminalität im Landgerichtsbezirk Rudolstadt in den Jahren 1900-29. 118p. 24cm. Jena, 1938.

Cueli, L. F., & Bonnet, F. Heridas de defensa en las lesiones por arma blanca. *Sem. méd., B. Air.*, 1942, 49: pt 2, 271-5 (Abstr.).—Dalla Volta, A., & Del Carpio, I. Prove di valutazione istologica in rapporto a ferite da punta e taglio. *Arch. antrop. crim.*, Tor., 1929, 49: 802-7.—Ehrnrooth, E. [Significance of definition: severe bodily injury and particularly, life endangering illness or injury] *Fin. lak. säll. hand.*, 1935, 78: 92-104.—Franchini, A. La cronologia delle lesioni nell'investimento combinato. *Arch. antrop. crim.*, Milano, 1940, 60: 836-46.—Fujiwara, K. Beiträge zur Kenntnis der mit schneidenden Werkzeugen beigebrachten Stichwunden. *Deut. Zschr. gerichtl. Med.*, 1928, 12: 65-7.—Gvozdev, I. M. [Revision of the project of a penal code in relation to corporal injuries] *Uchen. zapiski Imper. Kazan. Univ. Med. Fak.* (1887) 1889, 1-10.—Javorsky, A. S. [Classification of bodily injuries by the new criminal code] *Sudeb. med. ekspertiza*, 1928, 55-7.—Leclercq, M. Gissins [et al.]. Caractères et diagnostic des blessures faites pendant la vie ou après la mort. *Ann. méd. lég.*, 1935, 15: 868-75.—Manz, R. Tod nach körperlicher Misshandlung. *Off. Gesundheitsdienst*, 1941-42, 7: A, 65; 97.—Merkel, H. Naturwissenschaftliche und kriminalistische Untersuchungen bei Verletzungen mit scharfen und spitzen Werkzeugen. In *Handb. biol. Arbeitsmeth.* (Abderhalden) Berl., 1934, 4: Teil 12, 2. Hälfte, 189-208.—Palmén, A. J. [On the conception of the so-called life-danger in cases of injury] *Nord. med.*, 1939, 2: 1089-91.—Perussia, F. La valutazione del reperto radiologico in traumatologia forense. *Rass. internaz. clin. ter.*, 1939, 20: 808-12.—Pietrusky, F. Die Untersuchung am Lebenden bei Körperverletzungen durch mechanische und chemische Mittel und durch abnorm hohe und abnorm niedrige Temperaturen. In *Handb. biol. Arbeitsmeth.* (Abderhalden, E.) Berl., 1938, 4: T. 12, 1. Hälfte, Bd 1, 417-46.—Suen, K. F., Hon, T. V., & Tchao, K. M. La persistence des signes de blessures faites pendant la vie sur les tissus osseux. *Ann. méd. lég.*, 1935, 15: 904-6.—Veiga de Carvalho, H. Sobre o sinal da fibra elastica no diagnostico das lesões ante e post-mortem. *An. Fac. med. Univ. S. Paulo*, 1940, 16: tom. 2, 529-33, pl.—Walcher, K. Medizinische und naturwissenschaftlich-kriminalistische Untersuchungen bei Verletzungen durch stumpfe Gewalt. In *Handb. biol. Arbeitsmeth.* (Abderhalden) Berl., 1934, 4: Teil 12, 2. Hälfte, 637-76.

— Diagnosis and examination.

GERIN, C. L'esame radiologico del vivente in medicina legale generale ed in infortunistica. 104p. 25cm. Padova, 1938.

Allman, D. B. Cryptic injuries. *J. M. Soc. N. Jersey*, 1926, 23: 263-9.—Bailey, W. E. Roentgenological interpretation of trauma. *J. Am. Osteopath. Ass.*, 1936-37, 36: 505-9.—De Laet, L. Le diagnostic objectif de la douleur chez les traumatisés. *Presse méd.*, 1935, 43: 1438.—Flores Covarrubias, T. El electrodiagnostico en los servicios de traumatología del Hospital Central de Colonia. *Arch. méd. ferrocarr.*, Méx., 1939-40, 1: 83-105.—Greenleaf, W. S. Roentgen ray considerations in injury cases. *J. Iowa M. Soc.*, 1935, 25: 137-9.—Jorns, W. Wert des Durchgangsarztverfahrens. *Med. Klin., Berl.*, 1940, 36: 1376 (Abstr.).—Kearns, J. J. Difficult diagnostic problems resulting from trauma. *Indust. M.*, 1940, 9: 25-8.—Krida, A. Imperceptible injuries. *Crippled Child.*, 1936-37, 14: 92-4.—Palmer, E. P. A plea for careful examination and early evaluation of traumatic cases. *Am. J. Surg.*, 1943, 59: 450-4.—Thomsen, W. Zur Erkennung von Weichteilverletzungen aus Röntgenaufnahmen. *Röntgenpraxis*, 1935, 7: 530-2.—Watkins, W. W. Errors in x-ray diagnosis of industrial injuries. *Radiology*, 1937, 28: 261-72.

— Manifestations.

See also Hemorrhage; Pain; Shock; Unconsciousness, etc.

COIMBRA, A. I. *Febre traumatica. 53p. 12° Lisb., 1875.

GIANNI, E. La febbre traumatica. 133p. 8° Bologna [1936]

SILVA JONES, G. M. DA. *A pathogenia da febre traumatica fundada em novos estudos sobre a formação dos ossos. 71p. 8° Lisb., 1882.

De Gutiérrez-Mahoney, W. Pathogenesis of traumatic unconsciousness; importance of fat embolism. *War Med.*, Chic., 1941, 1: 816-23.—Delrez, L. Troubles physiopathiques

préoces consécutifs aux traumatismes. Arch. fr. belg. chir., 1924, 27: 200-4.—Minsky, L. Psychological reactions to injury. Proc. R. Soc. M., Lond., 1941-42, 35: 195-9.—Neumann, B. [Shock, collapse and hemorrhage] Harefuah, Tel Aviv, 1941, 20: 53.—Roghi, A. Fenomeni subiettivi posttraumatici. Riv. crit. infortunist., 1930, 19: 41-5.—Walcher. Ueber vitale Reaktionen. Deut. Zschr. gerichtl. Med., 1930, 15: 16-37.

— Medico-legal aspect.

See also **Accidents; Industrial worker, Injury; Workmen's compensation, etc.**

BADE, W. *Beitrag zur Handlungsfähigkeit tödlich Verletzter. 28p. 8°. Kiel, 1935.

EDLICH [M.] H. *Ueber Fibrinnachweis in agonalen und postmortalen Verletzungen [Halle-Wittenberg] 31p. 21cm. Bleicherode a. Harz, 1937.

McKENDRICK, A. Medico-legal injuries. 341p. 8°. Lond., 1927.

MANGOLD, W. *Die Wertschätzung verschiedener Körperverletzungen in den germanischen Volksrechten und in der Jetztzeit [Heidelberg] 40p. 8°. Lengerich, 1936.

RANDHAHN [H.] W. *Die Bedeutung der gerichtsmedizinischen Feststellung der Reihenfolge von Verletzungen bei der Aufdeckung unklarer Todesfälle [Leipzig] 30p. 8°. Grossenhain, 1938.

ROJAS, N. Lesiones; estudio médico-legal. 2. ed. v.1. 288p. 20½cm. B. Air., 1934.

Becker, W. The functional ability before death following injuries associated with a fatal outcome. Surg. Gyn. Obst., 1942, 74: Suppl., 582 (Abstr.).—Bobrov, N. D. [Trauma as cause of invalidity] Sovet. vrach. J., 1939, 43: 421-30.—De Cupis, A., jr. Sulla rispettiva estensione del danno patrimoniale e del danno morale. Riv. crit. infortunist., 1933, 22: 189-99.—Engelhardt. Die Bedeutung des Traumas für Entstehung und Verlauf von Haut- und Geschlechtskrankheiten und dessen gutachtliche Beurteilung. Arch. Derm. Syph., Berl., 1940, 180: 14-43 (microfilm).—Evidence: right of physician witness to testify concerning probable effect of injury. J. Am. M. Ass., 1938, 111: 1324.—Faculté (La) d'agir d'un individu mortellement blessé. Praxis, Bern, 1941, 30: 810.—Gelber, L. J. Roentgen medicolegal consideration of congenital and pathological conditions vs. trauma. Med. Rec., N. Y., 1941, 154: 48-50.—Grünwald, M. Sind tödlich Verletzte noch handlungsfähig? Mschr. Krim. Psychol., 1928, 19: 540-3.—Heydemann, E. R. Vollarbeiter mit körperlichen (nicht versicherungspflichtigen) Schäden. Chirurg, 1933, 5: 583-5.—Krshek, H. [Injuries and their medical significance in legal practice] Bratisl. lek. listy, 1938, 18: 177-88.—Kummel, M. Medicolegal aspects of soft tissue injury. J. Med. Soc. N. Jersey, 1932, 29: 127-32.—McBride, E. D. The evaluation of partial and permanent disability following trauma. Am. J. M. Jurispr., 1939, 2: 203-6.—Magnanini, R. Fatto fisico, causa violenta fisica e trauma psichico nella legge degli infortuni. Riv. crit. infortunist., 1926, 11: 237-41.—Meixner, K. Die Handlungsfähigkeit Schwerverletzter. Deut. Zschr. gerichtl. Med., 1930, 16: 139-65.—Norris, D. C. Relation of personal injury to disorders of the nervous system. Med. Leg. Crim. Rev., Lond., 1942, 10: 142-5.—Physical examinations; rights of defendant in personal injury action. J. Am. M. Ass., 1938, 110: 1865.—Physical examinations; rights of defendant when plaintiff offers his injury as evidence. Ibid., 1939, 112: 270.—Right of Federal Court to require physical examination of plaintiff in personal injury action. Ibid., 1941, 117: 2003.—Smith, E. R. [et al.] Symposium: medico-legal problems arising out of injury to the person. J. Indiana M. Ass., 1936, 29: 328-41.—Stern, W. G. Estimation of disability after injuries to bones and joints. J. Am. M. Ass., 1939, 112: 293-7.—Strassmann, G. Ueber Lebensdauer und Handlungsfähigkeit Schwerverletzter. Deut. Zschr. gerichtl. Med., 1934-35, 24: 393-400.—Tittinger, H. Unter besonderen Qualen erlittene Körperverletzungen. Wien. med. Wschr., 1928, 78: 348-50.—Veideman, M. [Medical observations in injury cases in court procedure] Latv. arstu Z., 1927, 199-209.—Winter, R. Beitrag zur Frage der Handlungsfähigkeit eines tödlich Verletzten. Med. Welt, 1932, 6: 988.

— Military aspect.

See **Soldier, Injury.**

— Pathology and pathophysiology.

MORITZ, A. R. The pathology of trauma. 386p. 24cm. Phila., 1942.

OLIVEIRA FEIJÃO, F. A. D' *O organismo e o traumatismo. 123p. 12°. Lisb., 1873.

Bywaters, E. G. L., Belsey, R. [et al.] Discussion on the effects on the kidney of trauma to parts other than the urinary tract, including crush syndrome. Proc. R. Soc. M., Lond., 1941-42, 35: 321-39.—Craig, W. M. The reaction of the central nervous system to trauma. Collect. Papers Mayo Clin. (1941) 1942, 33: 772 (Abstr.).—Cuthbertson, D. P. Certain aspects of the metabolic response to injury. Glasgow M. J., 1934, 121: 41-58.— & Robertson, J. S. The metabolic response to injury. J. Physiol., Lond., 1937, 89: 53P.—Denslow, J. S. A discussion of the soft tissue pathology which accompanies severe trauma. J. Osteopathy, 1939, 46: No. 11, 19-22.—Di Natale, L., & Tabanelli, M. Studi sulle variazioni umorali nei focolai traumatici; il comportamento dei cloruri e dell'azoto. Arch. ital. chir., 1934, 37: 395-413.—Freeman, N. E., & Schecter, A. E. No demonstrable substance causing increased capillary permeability in lymph from an injured area. Proc. Soc. Exp. Biol., N. Y., 1942, 51: 29-31.— & Cullen, M. L. Circulatory changes resulting from trauma after sympathectomy and after spinal cord transection. J. Clin. Invest., 1942, 21: 649.—Guerrisi, A. Sul comportamento della reazione Citochol nei operati e nei traumatizzati. Gior. clin. med., 1933, 14: 1443-50.—Hackenbroch, M. Gewöhnung und Anpassung an Verletzungsfolgen. Med. Klin., Berl., 1940, 36: 916; 941 (microfilm).—Julliard, C., & Baumgartner, J. Du rôle du sympathique dans les affections traumatiques. Helvet. med. acta, 1935-36, 2: 506; 523.—Legueu, F., Fey, B. [et al.] Recherches expérimentales sur l'augmentation du taux des chlorures dans les tissus traumatisés. J. méd. fr., 1933, 22: 412-21.—Löbber, O. Ueber die Bedeutung des Serums für den Abbau geschädigten Gewebes: Untersuchungen an Explantaten. Virchows Arch., 1939, 304: 345-51.—Loeper M., & Verpy, G. La répercussion glandulaire et humorale des commotions. Progr. méd., Par., 1916, 3. ser., 31: 203-5.—MacNider, W. B. The persistence with certain modifications of the acquired resistance of fixed tissue cells to injury. Tr. Ass. Am. Physicians, 1937, 52: 195-7.— & A consideration of the acquired resistance of fixed tissue cells to injury. Ann. Int. M., 1938-39, 12: 147-65.— & A consideration of the factor of change in the animal organism. Ibid., 1942, 17: 989-94.—Minard, D. Histamine-like substances in blood following trauma. Am. J. Physiol., 1937, 119: 375.—Noble, R. L. The development of resistance by rats and guinea pigs to amounts of trauma usually fatal. Ibid., 1942-43, 138: 346-51.—Picardi, G. La colesterinemia nei traumatizzati. Policlinico, 1934, 41: sez. prat., 1477-80.—Pikin, K. I., & Diachkova, E. S. [Carbohydrate metabolism in trauma] Sovet. med., 1942, 6: No. 8, 17-9.—Pollock, G. A., & Brooks, G. An apparatus to measure muscle recovery and range of joint movement. Brit. M. J., 1942, 2: 220.—Potter, A. H. Severe traumatic injuries and complications with complete recovery. Internat. J. M. & S., 1935, 48: 255-7.—Purdie, R. M. The bruising tendency; its relation to adhesion formation, hypertrophic arthritis and other clinical phenomena. Med. Rec., S. Ant., 1932, 26: 225.—Rose, T. Observations on depositions of pus and lymph, occurring in the lungs and other viscera after injuries of different parts of the body. Month. J. Foreign Med., 1828, 2: 518-26.—Rougemont, M. de. Troubles de la tension artérielle après les traumatismes. Lyon chir., 1939-40, 36: 749.—Samarin, N. N. [Attempt to determine the humoral syndrome in mechanical injuries] Vest. khir., 1940, 59: 156-63.—Selye, H. Thymus and adrenals in the response of the organism to injuries and intoxications. Brit. J. Exp. Path., 1936, 17: 234-48, pl.—Trivellini, A., & Mauri, A. Sul comportamento di alcune reazioni sierologiche nei traumatizzati. Gior. batter. immun., 1937, 18: 812-34.—Washburn, N. R. The biologic aspect of traumatic injuries. Delaware M. J., 1939, 11: 28-30.—Weil, S. S. [Rôle of the vegetative nervous system in the pathogenesis and course of local injuries of the tissue] Tr. Vtor. Leningr. med. inst., 1935, No. 6, 42-55.—Zweifach, B. W. Micromanipulative studies on vascular responses remote from a traumatized region. Am. J. Physiol., 1941, 133: 501.

— psychic.

See such terms as **Complex; Conflict; Psychoneurosis, Etiology, etc.**

— Treatment.

See also **Accidents, Treatment; Emergency; First aid; Traumatology.**

MASSACHUSETTS COMMITTEE ON PUBLIC SAFETY. Medical handbook No. 1: Organization, medical division and care of injured civilians. 31p. 19½cm. Bost., 1941.

Barriounevo, A. F. Traumatología; resultados estadísticos sobre 342 casos. Prensa méd. argent., 1940, 27: pt 1, 275-8.—Bates, T. H. Treatment of minor injuries. J. Florida M. Ass., 1940-41, 27: 349-51.—Baz E., L. La conducta general en los traumatismos. Rev. cir. Hosp. Juárez, Méx., 1937, 8: 257-62.—Bedolla Rivera, M. A. Atenciones de urgencia a los traumatizados. Arch. méd. ferrocarr., Méx., 1939-40, 1: 199-220.—Bérard, L., Dargent, M., & Trillat, A. A propos des troubles physiopathiques. Lyon chir., 1936, 33: 433-9.—Blalock, J. C. Early care of injuries; the elements of first importance. Indust. M., 1938, 7: 241-3.—Carter, R. M.

- The consideration of scars, stumps, and functional end results in the treatment of injuries. *Wisconsin M. J.*, 1939, 38: 289-93.—**Cavalli, G.** Le infiltrazioni anestetiche nei traumi e nelle loro conseguenze. *Gior. ital. anest.*, 1937, 3: 117.—**Ciecr-Salse, M. L.** A quel moment l'électrothérapie doit-elle intervenir dans le traitement des traumatismes? *Ann. électroth.*, Lille, 1908, 11: 195-207.—**Comel, M.** Terapia física e termale dei postumi di lesioni traumatiche. *Rass. clin. sc.*, 1938, 16: 349-58.—**Delrio, J. M. A.** De traumatismo en general, importancia del tratamiento inmediato. *Dia méd.*, B. Air., 1942, 14: 921-6.—**Denslow, J. S.** A discussion of the therapeutic approach to various traumatic lesions. *J. Osteopathy*, 1940, 47: No. 4, 24-7.—**Desplats, R.** Radiothérapie fonctionnelle sympathique et glandulaire dans les séquelles de traumatisme. *J. radiol. électr.*, 1934, 13: 575-9.—**Doherty, W. D.** Common minor soft tissue injuries and their treatment. *Practitioner*, Lond., 1934, 133: 132-40. Also in *Pract. Procedures* (Rolleston H. D.) Lond., 1938, 253-64.—**Dumont, A.** Le traitement des troubles post-traumatiques immédiats ou tardifs par l'infiltration anesthésique locale. *Bull. méd., Par.*, 1937, 51: 323-8.—**Dzhanelidze, J. J.** [Errors, dangers and unforeseen complications in treatment of hidden injuries.] In *Oshibki d. lech. khir. zabol.* (Hesse, E. R. & al.) 1936, 1: 387-439.—**Dzialosynski, A.** Hemmung der Muskelatrophie bei Verletzungen. *Zbl. Chir.*, 1924, 51: 166-9.—**Eve, D. Jr.** The preliminary management of the seriously injured. *J. Tennessee M. Ass.*, 1935, 28: 445-9.—**Ferderber, M. B.** Saturated atmosphere in the treatment of injuries. *Indust. M.*, 1939, 8: 256-9.—**Fletcher, N. C.** Transport of injured persons. *Practitioner*, Lond., 1941, 147: 518-25.—**Frankel, E. T.** A new form of post-injury treatment. *Med. Woman J.*, 1939, 46: 100.—**Caenslen, F. J.** The theory of exercise in injury and disease. *Oecup. Ther. Rehabil.*, 1934, 13: 79-88.—**Gillies, H.** Reconstruction surgery: the repair of superficial injuries. *Surg. Gyn. Obst.*, 1935, 60: 559-67.—**Gocher, T. E. P.** Muscle training in industrial injuries. *California West. M.*, 1933, 39: 21-5.—**Gontermann, W.** Winke für die Behandlung grösserer Verletzungen der Weichteile und der Knochen. *Med. Klin., Berl.*, 1939, 35: 1651.—**Grandpierre, R.** Traitement des séquelles de traumatismes par les eaux minérales de Bourbonne. *Presse therm. clim.*, 1934, 75: 453-9.—**Groves, E. W. II.** Treatment of injuries. *Lancet*, Lond., 1935, 1: 679.—**Henderson, M. S.** First aid for injuries to the knee and the spinal column. *Proc. Mayo Clin.*, 1910, 15: 737-40.—**Hubert, P.** Le traitement des séquelles de traumatismes par les eaux de Barèges. *Presse therm. clin.*, 1934, 75: 449-53.—**Hurt, S. P.** Occupational therapy in traumatic conditions. *Arch. Phys. Ther.*, 1934, 15: 673-5.—**Iselin, H.** Indikationen zur Nachbehandlung von Verletzungen des Bewegungsapparates. *Helvet. med. acta*, 1938, 5: 411-40.—**Jellinek, S.** Schlechte und gute Rettungstechnik. *Wien. klin. Wschr.*, 1926, 39: 597-9.—**Kennedy, J.** Diathermy treatment in industrial injuries. *Med. J. Australia*, 1937, 2: 877.—**Kirehberg, P.** Unfall, Massage und Übungsbehandlung. *Klin. Wschr.*, 1934, 13: 1060-4.—**Koch, S. L.** The treatment of compound injuries and the infections resulting from them. *Bull. Am. Coll. Surgeons*, 1932, 16: 3-10. — The immediate treatment of compound injuries. *Ibid.*, 1934, 18: 25-9. Also *Illinois M. J.*, 1935, 67: 40-5. — The treatment of compound injuries. *Am. J. Nurs.*, 1940, 40: 371-6.—**Kovács, R.** Physical therapy in traumatic conditions. *Opera Internat. Congr. Indust. Acid.* (1928) 1929, 5. Congr., 276-86. — The physical treatment of injuries. *Brit. J. Phys. M.*, 1936, 11: 24-6. Also *Ann. méd. phys.*, Anvers, 1938, 31: 121-7.—**Kritzer-Kosch, H.** Das Umhären von Verletzten. *Deut. Militärarzt*, 1940, 5: 547-9 (microfilm).—**Kuechle, B. E.** The economic value of physical therapy following injuries. *Arch. Phys. Ther.*, 1942, 23: 273-6.—**Lee, H. M.** Emergency treatment of injuries. *Minnesota M.*, 1938, 21: 824-8.—**Lubowe, I. I.** Management of traumatic injuries. *Indust. M.*, 1936, 5: 332.—**Makel, H. P.** Acute injuries; physio-therapy as an aid. *Mil. Surgeon*, 1938, 82: 515-20.—**Mason, M. L.** The surgical principles involved in the treatment of open injuries. *Tr. West. Surg. Ass.*, 1936, 46: 58-81. — The immediate treatment of compound injuries. *Illinois M. J.*, 1937, 72: 249-53. — The surgical principles involved in the treatment of open injuries. *West. J. Surg.*, 1937, 45: 239-48.—**Mcade, F. S.** Static electricity in industrial injuries. *Commun. Congr. internat. physiothér.*, 1930, 5. Congr., Sect. 4, No. 12, 41-3.—**Mitchiner, P. H.** First aid for common injuries. *Nurs. Times*, Lond., 1940, 36: 310.—**Moore, R. A.** The treatment of minor injuries and the early treatment of major injuries. *South. M. J.*, 1943, 36: 94-6.—**Moorhead, J. J.** The general management of injuries. *Surg. Gyn. Obst.*, 1937, 64: 397-9. — General management of the injured. *J. Maine M. Ass.*, 1939, 30: 290-4. Also *Week. Roster*, Phila., 1940-41, 36: 711-5.—**Munter, L. de.** A propos de la mobilisation immédiate dans les traumatismes. *Liège méd.*, 1932, 25: 369-78.—**Murray, C. R.** El pronto empleo de la fisioterapia en el tratamiento de traumatismos. *Rev. radiol. fisioter.*, Chic., 1941, 8: 244-6.—**Netto, L. J.** Treatment of minor injuries. *South. M. J.*, 1942, 35: 750-6.—**North, J. P.** Simple physiotherapy measures in injuries. *Week. Roster*, Phila., 1935, 31: 37; 39; 1937, 32: 1395; 1397.—**O'Connor, G. B.** Immediate management of surface injuries. *California West. M.*, 1940, 53: 211-4.—**O'Meara, M.** The role of physical therapy in decreasing time of disability in traumatic cases. *Physiother. Rev.*, 1941, 21: 74-7.—**Olsson, Y.** [Roentgentherapy of traumatic lesions] *Tskr. nill. hälsov.*, 1936, 61: 83-96.—**Polmer, N. H.** Helping the injured with physical therapy. *J. Indiana M. Ass.*, 1941, 34: 114.—**Ponot, H.** La cure thermale de Bourbonne-les-Bains dans les séquelles de traumatismes. *Gaz. méd. France*, 1939, 11: Hydr., No. 8, 14.—**Ritter, H. II.** Physical therapy in traumatic surgery. *Arch. Phys. Ther.*, 1934, 15: 413-3.—**Rohde, C.** Ueber Nachoperationen und Nachbehandlung Verletzter an Hand von Beobachtungen auf der Sonderstation. *Zbl. Chir.*, 1938, 65: 2226-34.—**Shimshelovich, B. J.** [Physiotherapy in traumatology] *Fizioterapiya*, Moskva, 1940, 15: No. 2, 80-5.—**Stamm, T. T.** The treatment of injuries. *Guy's Hosp. Gaz.*, Lond., 1935, 49: 299-301.—**Stevens, J. B.** Physical therapy in industrial injuries. *N. York State J. M.*, 1934, 34: 841-4.—**Stoloff, I. A.** Important phases in the management of injuries of interest to the general practitioner. *Med. Times*, N. Y., 1935, 63: 247-51.—**Subin, II.** Essentials in early treatment of traumatic cases. *J. M. Soc. N. Jersey*, 1934, 31: 486-8.—[Transport immobilization in injuries] *Soviet. med.*, 1940, No. 7, 41-4.—**Tucker, W. E.** Physical methods in the treatment of injuries. *Practitioner*, Lond., 1934, 132: 247-70. — Physiotherapy in minor injuries. *Brit. J. Phys. M.*, 1939, n. ser., 2: 104-7.—**Usadel, G.** Die Injektionsbehandlung schmerzhafter traumatischer Gewebeschäden. *Praxis*, Bern, 1942, 31: 376 (Abstr.) Also *Schweiz. med. Wschr.*, 1942, 72: 454 (Abstr.)—**Vance, E. B. M.** Physiotherapy in the treatment of injuries in general and orthopaedic practice. *Brit. M. J.*, 1936, 1: 53-7.—**Van Den Bergh, S.** De la superioridad del tratamiento homeopático en las afecciones traumáticas. *Rev. homeop.*, Barcel., 1901, 12: 202-7.—**Weil, G. C.** The surgical management of acute traumatic major cases. *Pennsylvania M. J.*, 1929-30, 33: 234-8.—**Williams, J.** Physical treatment of industrial injuries. *Brit. J. Phys. M.*, 1936, 11: 86-8.—**Witteck, A.** Zur Verletzungsbehandlung. *Wien. klin. Wschr.*, 1937, 50: 55-8.—**Wulff, H.** [Prevention of common lesions by treatment, especially early treatment] *Ugeskr. læger*, 1935, 97: 405-11.—**Zaig, B. A.** [Treatment of trauma of the osseo-muscular system and their sequelae by means of artificially heated dust baths] *Kazan. med. J.*, 1939, 35: 45-50.—**Zur Verth, M.** Heilmassnahmen in der Nachbehandlung Schwerverletzter. *Jahrbuch. ärztl. Fortbild.*, 1939, 30: H. 12, 15-9.—**Zverev, A. I.** [Blood transfusion in grave trauma] *Soviet. med.*, 1940, 4: No. 18, 31.
- in animals.
- See also names of animals.
- Dournel.** Responsabilités des maréchaux-ferrants. *Rec. méd. vét.*, 1938, 114: 476.—**Goulay.** Accidents de chemin de fer dont les animaux sont victimes. *Ibid.*, 1936, 112: 667-9.—**H. N.** Bombed animals, rescued animals; animals saved from destruction. *A-V. Phila.*, 1941, 49: 54.—**Mace, D. L.** Animal casualties from chemical warfare agents. *Mil. Surgeon*, 1941, 89: 201-8.—**Traumatismes.** *North Am. Vet.*, 1936, 17: 23.
- in wartime.
- See also under such headings as Air raid; Chemical warfare, etc.
- Bauwens, P.** Physical medicine in infective complications of war injuries: a survey of possibilities. *Brit. J. Phys. M.*, 1940, n. ser., 3: 104-13.—**Cornwell, A. M.** Injuries seen in war and peace. *North Carolina M. J.*, 1941, 2: 350-2.—**German, W. J.** Injuries to the head, spinal cord and peripheral nerves. *Connecticut M. J.*, 1942, 6: 599-607.—**Gordon-Taylor, G.** Abdomino-thoracic injuries. *War Med. Sympos.*, N. Y., 1942, 211-25.—**Nesterov, A. I.** [Treatment of war trauma of the motor organs and nervous system in health resorts] *Vopr. kurort.*, 1941, 1-11.—**Pfomem, E.** Seltene unfall- und kriegschirurgische Fälle aus chinesischer Praxis. *Zbl. Chir.*, 1935, 62: 1215-8.—**Rosenfeld.** Ueber Knochenstrukturveränderungen nach Kriegsverletzungen. *Verh. Deut. orthop. Ges.* (1925) 1926, 20. Kongr., 173-5 [Discussion] 203-5.
- INK, José.** *La reacción de Friedrich frente á las demás reacciones para diagnóstico del embarazo. 68p. tab. 22½cm. B. Air., Imp. E. Spinelli, 1938.
- INK, Katharine.**
- See **Bartlett, E. H.**, & **INK, K.** The principles of chemistry. 8° N. Y., 1927.
- INK.**
- See also India ink; Manuscript; Printing.
- LEHNER, S.** The manufacture of ink. 229p. 8° Phila., 1892.
- Datta, R. L., Sen, S. C., & De, L. K.** Indian tannin materials for ink manufacture. *Analyst*, Lond., 1942, 67: 113 (Abstr.)—**Ellis, C.** Printing inks; their chemistry and technology. In *Chem. Engin. Cat.*, 1941-42, 26. ed., 960.—**Reinhold Publishing Corporation**; printing inks; their chemistry and technology. *Ibid.*, 960.—**Runge, F.** Tinta sencilla y económica para las plumas de acero. *Botica*, Barcel., 1852-53, 1: 366.—**Sannicé, C.**, & **Amy, L.** Recherche sur l'analyse de l'encre des documents manuscrits. *Ann. méd. lég.*, 1938, 18: 401-19.—**Tuttle, J. B.**, & **Smith, W. H.** Analysis of printing inks. In *Standard Meth. Chem. Analysis* (Scott, W. W.) 5. ed., N. Y., 1939, 2174-80.
- INKSTER, George Leonard Macaulay** [M. D., Roy. Coll. Surg. 1927] The treatment of func-

tional nerve cases by the method of neuro-induction. vii, 73p. 8°. Lond., H. K. Lewis & co., 1933.

INLAY.

See **Amalgams; Cement; Ceramics; Dentistry, Material (and subdivisions); Tooth, Filling.**

INMAN, Frederick William [M. B., Liverp., 1898] Biological politics; an aid to clear thinking. x, 258p. 8°. Bristol, J. Wright & sons, 1935.

Inman, Ondess Lamar, 1890—

For portrait see collection in library.

INMAN, Philip, 1892— The human touch; sunshine and shadow in a London hospital. xi, 241p. 8°. Lond., G. Bles [1927]

INMATE, ward 8, pseud.

See **Woodson**, Marion Marie, 1882-1933.

INNER ear.

See **Labyrinth.**

INNES, J. R. M.

See **Harvey**, W. F., Dawson, E. K., & Innes, J. R. M. Debatable tumours in human and animal pathology. 124p. 24cm. Edinb., Oliver & Boyd, 1940.

INNES, James Ross [M. D., Edinb., 1934] Report of leprosy survey of the British Solomon Islands Protectorate. 70p. 3 fold. maps. 33½cm. Suva, Fiji, G. W. Cockburn, 1938.

INNES, John W. Class fertility trends in England and Wales, 1876-1934. xv, 152p. tab. diagr. 23½cm. Princeton, Princeton Univ. pr., 1933.

INNOMINATE artery.

See also **Aorta, Arch; Carotid; Subclavian artery.**

García Comesañas, A. Tronco innominado arterial. Rev. méd. cubana, 1938, 49: 1022-4.—**Jaensch, P. A.** Eine seltene Abweichung im Verlauf der Arteria anonyma. Anat. Anz., 1922, 55: 138-42.—**Lisitsin, M. S.** [Surgical anatomy of the innominate artery from the point of view of its surgical accessibility] Jubil. Sbornik Grekova, S. Peterb., 1921, 229-34.—**Lurje, A.** Ueber einige Eigentümlichkeiten der Topographie der Arteria anonyma im Zusammenhang mit vielfachen sonstigen Anomalien. Deut. Zschr. Chir., 1932-33, 238: 646-50.—**Samaja, N.** Asimmetria della pressione arteriale e pulsus differens da anomalia d'origine del tronco brachio-cefalico. Bull. sc. med., Bologna, 1919, 9. ser., 9: 147-54.

— Aneurysm.

BUCHSER, H. *Ueber das intrathorakale Aneurysma der Arteria anonyma und seine Beziehung zur Trachea [Zürich] 25p. 8°. Lpz. [1927]

Also Arch. Ohr. & c. Heilk., 1927-28, 17: 113-37.

GRAMSE, E. [E. R.] *Schussverletzungen der Blutgefäße und ihre Folgezustände mit besonderer Berücksichtigung der durch sie verursachten Aneurysmen an der Arteria anonyma [Berlin] 33p. 8°. Charlottenb., 1928.

HOFRICHTER, M. *Drei Fälle von Aneurysma der Arteria anonyma [Leipzig] 45p. 8°. Halle, 1916.

SCHILLER, M. *Ueber die Aneurysmen der Arteria anonyma [Kiel] 16p. 8°. Osnabrück [1930]

Baldwin, J. F. Aneurysm of the innominate, synchronous ligation of subclavian and common carotid with long survival; unusual incision. Am. J. Surg., 1928, n. ser., 5: 517.—**Ballance, C.** Ligation of the innominate artery for innominate aneurysm. Brit. J. Surg., 1921-22, 9: 438-44.—**Banerjee, K.** A case of aneurysm of the innominate artery. Calcutta M. J., 1937, 32: 519.—**Buchser, H.** Trachealkompression durch ein Aneurysma der Arteria anonyma. Schweiz. med. Wschr., 1925, 55: 83.

Weitere Beiträge zur Kenntnis des Aneurysmas der Arteria anonyma. Ibid., 1927, 57: 1251.—**Calabrò Anzalone, F.** Istoria di un caso straordinario di aneurisma osservato in Reggio. Filiale scabio, Nap., 1835, 9: 208-22.—**Castellano, T.** Enorme aneurisma del tronco brachio-cefalico tratado con el suero gelatinado y el mercurio. Prensa méd. argent.,

1917-18, 4: 347-9.—**Chistovich, F. Y.** [Traumatic aneurysm of the innominate artery] Vest. khir., 1929, 18: 265-70.—**Connor, W. H.** Tertiary syphilis; aneurysm of the right innominate artery. Arch. Derm. Syph., Chic., 1934, 30: 723.—**Crile, G., jr., & Elias, H. F.** Aneurysm of the innominate artery; report of a case. Cleveland Clin. Q., 1940, 7: 37-42.—**Djorup, F.** [Three cases of aneurysm of the innominate artery] Bibl. læger, 1925, 117: 45-71.—**Dulin, E. A.** Aneurysm of the innominate; report of a case. J. Missouri M. Ass., 1921, 18: 19.—**Dutheillet de Lamotte.** Un cas de paralysie du récurrent droit due à une compression par anévrysme du tronc brachio-céphalique, survenue chez une femme porteuse d'une volumineuse tumeur du corps thyroïd. Arch. internat. laryng., Par., 1924, 30: 183-5.—**Eschenbach, E.** Ueber Aneurysmen der Arteria anonyma. Zbl. Herz Gefässkr., 1923, 15: 1-13.—**Ferranti, F., & Nizzi-Nuti, G.** Sulla sintomatologia degli aneurismi dell'arteria anonyma. Riforma med., 1933, 49: 1238-44.—**Flint, E. R.** Ligation of the innominate artery for innominate aneurysm. Brit. M. J., 1923, 1: 979.—**Gabe, J.** A case of spontaneous innominate aneurysm treated by distal ligation. Annual Rep. London Co. Council, 1936, 4: pt 3, 144-5.—**Halstead, A. E.** False aneurysm of innominate artery. Surg. Gyn. Obst., 1920, 30: 529.—**Hannas, A.** Anévrysme du tronc brachio-céphalique et doigts hipocratiques; recherches sur le régime circulatoire dans le membre supérieur du côté de l'anévrysme. Arch. mal. cœur, 1924, 17: 425-9.—**Hatziganu, J.** Deux cas de doigts hipocratiques unilatéraux dans l'anévrysme du tronc brachio-céphalique. Bull. Soc. méd. hôp. Paris, 1923, 3. ser., 47: 403-5.—**Heath.** Anévrysme de l'innomine; ligation de la sous-clavière et de la carotide droites, Presse méd. belge, 1865-66, 18: 75-8.—**Klein, F., & Okker, J. J.** [Aneurysm of the innominate artery] Ned. tscr. geneesk., 1937, 81: 1798-804, pl.—**Krestin, D.** Aneurysm of innominate artery; spontaneous disappearance of swelling in neck. Proc. R. Soc. M., Lond., 1926-27, 20: sect. clin., 63-7.—**Lambert, J.** Aneurysm of the arteria innominata; observations on the propriety of applying a ligature to the right carotid and subclavian arteries in such cases. Month. J. Foreign Med., 1828, 2: 26-8.—**Lepehne.** Ein Fall von Aneurysma der Arteria anonyma. Deut. med. Wschr., 1920, 46: 787.—**Lexer, E.** Operation eines arteriell-venösen Anonyma-Aneurysma. Schweiz. med. Wschr., 1934, 64: 645.—**Meade, H. S.** Compression of an aneurysm of the innominate artery with fascial straps. Irish J. M. Sc., 1941, 6. ser., No. 184, 166, pl.—**Melnick.** Aneurysm of the innominate artery. In Path. Conf. (Jaffé, R. H.) Chic., 1940, 889-91.—**Menon, V. C. G., & Pisharoti, K. N.** A case of aneurysm of the innominate artery. Madras M. J., 1937, 17: 322, pl.—**Miller, C., Dolbey, R., & Ballance, C.** Aneurysm of the innominate artery: a 23 years' history. Lancet, Lond., 1934, 1: 778-84.—**Mollica, S. G.** Aneurysm of the innominate artery; a problem in differential diagnosis. Med. Bull. Veterans Admin., 1939-40, 16: 385.—**Neiman, B.** Aneurysm of the innominate artery. In Path. Conf. (Jaffé, R. H.) Chic., 1940, 1004-6.—**Parks, H.** Aneurysm of the innominate artery. Arch. Int. M., 1938, 61: 898-909.—**Pirngadi** [Case report of aneurysm of the A. anonyma] Geneesk. tscr. Ned. Indië, 1940, 80: 1615, pl.—**Randall, A.** Two cases of aneurysm of innominate artery. Proc. Path. Soc. Philadelphia, 1918, n. ser., 21: 1.—**Rosenthal.** Aneurysm of innominate artery. In Path. Conf. (Jaffé, R. H.) Chic., 1940, 284.—**Rundle, F.** Aneurysm of the innominate artery treated by surgery, report of 3 cases and records of 22 cases collected from the literature. Brit. J. Surg., 1937, 25: 172-90.—**Schwyzler, A.** Aneurysm of the innominate artery. Tr. Am. Surg. Ass., 1932, 50: 186-9. Also Ann. Surg., 1932, 96: 666.—**Souttar, H. S.** Aneurysm of the innominate artery treated by proximal ligation. Brit. M. J., 1934, 1: 1066-8.—**Vincent.** Un cas d'anévrysme du tronc brachio-céphalique guéri cliniquement par le traitement spécifique. Bull. Soc. méd. Vienne, 1924, 111-3.—**Wallington, K. T. K.** Aneurysm of innominate artery causing death from asphyxia. Kenya East Afr. M. J., 1927-28, 4: 64.—**Wardrop, J.** Aneurysm of the arteria innominata. Month. J. Foreign Med., 1828, 1: 118.—**Warfield, C. H.** Roentgen diagnosis of aneurysms of the innominate artery. Am. J. Roentg., 1935, 33: 353-8.

— Disease and injury.

Feuz, J. Ein Fall von traumatischer Ruptur der Arteria anonyma. Zbl. Chir., 1929, 56: 3203-5.—**Lisitsin, M. S.** [Diseases and injuries of the innominate artery] Vest. khir., 1924, 4: No. 10, 49-70.—**Soetarsa** [Rupture of the innominate artery by a blunt weapon] Geneesk. tscr. Ned. Indië, 1936, 76: 760.—**Versé.** Préparates von Arteriosclerose der A. anonyma. Münch. med. Wschr., 1917, 64: 190.

— Ligation.

See also **subclaving Aneurysm; also Subclavian artery, Aneurysm.**

Greenough, J. Operations on the innominate artery; report of a successful ligation. Arch. Surg., 1929, 19: 1484-544.—**Hernández López, E.** Un caso de ligadura de tronco arteria braquio-cefalica, arteria anonyma. Actual. méd., Granada, 1940, 16: 315-9.—**Holman, E.** Observations on the surgery of the large arteries; with report of ease of ligation of the innominate artery for varicose aneurysm of the subclavian vessels. Ann. Surg., 1927, 85: 173-84.—**Juckelson, M.** Ein Fall von Unterbindung der Arteria anonyma. Zbl. Chir., 1925, 52: 681.—**Sheen, A. W.** Ligation of the innominate. Lancet,

London, 1920, 2: 819.—**Wheeler, W. I. de C.** Ligation of innominate artery for right subclavian aneurysm; end-result. *Brit. M. J.*, 1942, 2: 422. ——— Ligation of the innominate artery. *Ibid.*, 1943, 1: 173.

INNOMINATE bone.

See Hip.

INNOMINATE vein.

See also Jugular vein.

Romano, N. Tromboflebitis del tronco braquiocéfalo y adenocelulitis mediastinal aguda post-neumopatía. In *his Lecc. clín. méd.*, B. Air., 1936, 1: 41–52. ——— Tromboflebitis de los gruesos tronco-venosos braquiocéfálicos con adenocelulitis mediastinal y edemas elefantíacos por bloqueo del sistema linfático. *Ibid.*, 1940, 4: 35–51.—**Samson, H. H.** A note on the operation of ligation and drainage of the right innominate vein. *Birmingham M. Rev.*, 1927, n. ser., 2: 276.—**Valter, L.** Ueber eine seltene Lagenanomalie der Vena anonyma sinistra nebst Betrachtungen über Anomalien und Asymmetrien des Venensystems im Bereich des Kopfes und Halses. *Zschr. ges. Anat.*, 1. Abt., 1931, 95: 769–805. Also *Magy. orv. arch.*, 1932, 33: 1–20.

INOCULATION.

See also Bacteria, Identification; Bacteria, Isolation; Bacteriology, Methods; Immunization; Vaccination; also under names of infectious diseases.

Barrett, J. T. The inoculation controversy in Puritan New England. *Bull. Hist. M.*, 1942, 12: 169–90. Also *Centaur*, Menasha, 1942–43, 48: 119–31.—**Borelli, A.** Inoculações experimentais. *Impr. med.*, Rio, 1942, 18: No. 343, 53–7.—**Burdon, K. L.** A mouse holder facilitating intravenous inoculations. *J. Lab. Clin. M.*, 1937–38, 23: 1293–5.—**Goldenberg, L.** & **Panisset, L.** La pratique des inoculations intradermiques; diagnostic, prévention, traitement. *Paris méd.*, 1927, 63: 37–43.—**Malone, R. H.** On certain fallacies associated with the use of laboratory animals for isolating pathogenic microorganisms. *Ind. J. M. Res.*, 1922–23, 10: 1123–6.—**Zehner, M. G.** & **Humphrey, H. B.** Smuts and rusts produced in cereals by hygrothermic injection of inoculum. *J. Agr. Res.*, 1929, 38: 623–7.

INOCYTE.

See Connective tissue.

INOKO, Sikanosuke, 1859—

For Festschrift see *Arch. jap. Chir.*, 1937, 14: 11. 1, portr.

INOSEMIC.

See Fibrin, Fibrinemia.

INOSINE [and inosinic acid]

See also Muscle, Chemistry; Purin, Derivatives; Xanthine.

Buell, M. V. On the origin of inosinic acid. *Abstr. Internat. Physiol. Congr.*, 1929, 13. Congr., 40. Also *J. Biol. Chem.*, 1929–30, 85: 435–45.—**Levene, P. A.** & **Tipson, R. S.** The partial synthesis of ribose nucleotides; muscle inosinic acid. *Ibid.*, 1935, 111: 313–23.—**Ostern, P.** Ueber die Darstellung der Muskeladenyl- und Inosinsäure. *Biochem. Zschr.*, 1932, 254: 65–70.—**Wassermeyer, H.** Ueber die Dissoziationskonstanten der Muskeladenosinphosphorsäure und der Inosinsäure. *Zschr. physiol. Chem.*, 1928, 179: 238–42.

INOSITE.

See Inositol.

INOSITOL.

See also Carbohydrates; Cyclic compounds; Hydrocarbon, cyclic; Muscle, Chemistry; Phytic acid.

Bailey, M. C. Sur le dosage de l'inositol dans les inositolphosphates de calcium et de magnésium médicamenteux. *J. pharm. chim.*, Par., 1938, 8. ser., 28: 199–208.—**Bischoff, F.** & **Long, M. L.** Depletion of muscle sugar by adrenalin. *Am. J. Physiol.*, 1930, 95: 403–11.—**Bleyer, B.** & **Fischler, F.** & **Schenck, G.** Ueber die Bestimmung und Trennung der Phosphorsäure bei Gegenwart von Inositolphosphorsäure. *Biochem. Zschr.*, 1931, 238: 216–25.—**Folch, J.** & **Woolley, D. W.** Inositol, a constituent of a brain phosphatide. *J. Biol. Chem.*, 1942, 142: 963.—**Gavin, G.** & **McHenry, E. W.** Inositol: a lipotropic factor. *Ibid.*, 1941, 139: 485.—**Gregory, R. A.** A modification of Young's method for the determination of inositol in animal tissues. *Biochem. J.*, Lond., 1935, 29: 2798–802.—**Lindenfeld, K.** Ueber die Gewinnung von Inositol aus inositolphosphorsäuren Salzen. *Biochem. Zschr.*, 1934, 272:

284–9.—**McHenry, E. W.** & **Gavin, G.** Effects of inositol upon liver fat in the rat. *Fed. Proc.*, Balt., 1942, 1: pt 2, 121 (Abstr.).—**Martin, G. J.** The interrelationship of p-aminobenzoic acid and inositol. *Am. J. Physiol.*, 1942, 136: 121–7.—**Moschini, A.** Action du glucose, de l'inosite, de la créatine et des phosphates sur le phosphagène musculaire. *C. rend. Soc. biol.*, 1932, 109: 579–81.—**Owens, F. M., jr.** & **Allen, J. G.** [et al.] The comparative effects of inositol and liponic in depancreatized dogs. *Fed. Proc.*, Balt., 1942, 1: pt 2, 65 (Abstr.).—**Posternak, S.** & **Posternak, T.** Sur la configuration de l'inosite inactive. *C. rend. Acad. sc.*, 1929, 188: 1296–8. Also *Bull. Soc. chim. biol.*, Par., 1929, 11: 937–9.—**Preisler, P. W.** & **Berger, L.** Preparation of tetrahydroxyquinone and rhodizonic acid salts from the product of the oxidation of inositol with nitric acid. *J. Am. Chem. Soc.*, 1942, 64: 67–9.—**Williams, R. J.** & **Stout, A. K.** [et al.] Assay method for inositol. *Univ. Texas Pub.*, 1941, No. 4137, 27–30.—**Woolley, D. W.** A method for the estimation of inositol. *J. Biol. Chem.*, 1941, 140: 153–9. ——— A study of the biological specificity of inositol. *Ibid.*, 146: 1–6. ——— Bacterial synthesis of inositol and its importance in the nutritional economy in mice. *J. Bact.*, Balt., 1942, 43: 5. ——— Synthesis of inositol in mice. *J. Exp. M.*, 1942, 75: 277–84. ——— Changes in the form of inositol during incubation of eggs. *Proc. Soc. Exp. Biol.*, N. Y., 1942, 49: 540.—**Young, L.** The volumetric determination of inositol. *Biochem. J.*, Lond., 1934, 28: 1428–34. ——— The determination of inositol in animal tissues. *Ibid.*, 1435–43.

INOUE, Jukiti, 1862–1929. Inouye's English-Japanese dictionary. 2326p.; 25p. 16° [n. p., Siseidō, 1915]

INOZEMTSEV, Fedor Ivanovich, 1802–1869.

Kolosov, G. A. [Fedor Ivanovich Inozemtsev, his scientific views and his importance in Russian science and Moskva University] *Russ. klin.*, 1930, 14: 341–52.

INQUEST.

See Coroner; also such headings as Autopsy, Forensic aspect; Cadaver; Death; Insanity, etc.

INQUISITION.

See also Torture.

Geiselhart, E. G. A study in inquisitorial torture in western Europe, including the ordeal as an inquisitorial procedure. *Abstr. Theses Univ. Pittsburgh*, 1938, 14: 402.—**Raspail, F. V.** A quel genre de mort a succombé Eugène Sue. *Rev. compl. sc. appl. méd.*, Par., 1858–59, 5: 377; 1859–60, 6: 27; 58.

INSANE.

See Insanity for legal aspects; Psychotic for medical aspects.

INSANITY.

See also Psychosis for medical aspects of mental disorders; also under names of mental diseases and deficiencies as Dementia; Fugue; Idiocy; Mental deficiency, etc.

Benon, R. Le concept aliénation mentale. *Rev. sc.*, Par., 1928, 66: 201–4.—**Fleury, J.** What is mental alienation? *Med. Press & Circ.*, Lond., 1927, n. ser., 123: 173–5.—**Hyslop, T. B.** The prognosis of insanity. *Tr. Assur. M. Soc.*, Lond. (1926–27) 1928, 133–54.—**Norris, D. C.** Psychoses. *Med. Leg. Crim. Rev.*, Lond., 1942, 10: 146.—**Rojas, N.** Concepto médico-legal sobre la alienación mental. *Rev. argent. neur. psiquiat.*, 1928, 2: 494–501. Also *Actas Conf. lat. amer. neur.*, B. Air., 1929, 1. Conf., 1: 170–84.—**Tesdorpf, P.** Sur l'importance d'une définition exacte de ce qu'on nomme caractère pour notre jugement sur les aliénés. *C. rend. Congr. internat. psychol.* (1900) 1901, 4. Congr., 567–71.—**Warson, S. R.** A review of the concept of insanity. *Am. J. Psychiat.*, 1940–41, 97: 1288–300.—**Zilboorg, G.** Misconceptions of legal insanity. *Am. J. Orthopsychiat.*, 1939, 9: 540–53. Also *J. Nerv. Ment. Dis.*, 1939, 89: 213–22.

— Casuistry.

ROBERTSON, C. L. & **MAUDSLEY, H.** Insanity and crime; a medico-legal commentary on the case of George Victor Townley. 47p. 8° Lond., 1864.

Ajello, S. Relazione di perizia medico-legale sulle condizioni somatiche e psichiche del detenuto Messina Ferdinando. *Gazz. med. sicil.*, 1910, 13: 289; 313; 337; 361; 385; 409.—**Albina, E.** Sobre el estado mental de Salvador Marino. *Rev. argent. neur. psiquiat.*, 1927, 1: 436–44.—**Alexander, R.** Not guilty by reason of insanity. *Med. Rec.*, N. Y., 1934, 139: 28–32.—**Bezzola, D.** Ein psychiatrischer Notfall in forensischer Beleuchtung. In *Festschr. H. Zangger*, Zür., 1935, 1: 422–38.—**Blume, G.** Der Fall Laube; ein Beitrag zur Irrengesetzgebung. *Arch. Krim.*, 1927, 80: 145.—**Corberi, G.** & **Gonzales, P.**

Perizia psichiatrica su di un delinquente ricoverato nel Manicomio di Milano. Arch. antrop. crim., Tor., 1912, 4, ser., 4: 383-405.—**De Boeck & De Rode**. Expertise médico-légale au sujet de l'état mental de la femme D. K. Marie-Léonie, prévenue d'empoisonnements. Bull. Soc. méd. ment. Belgique, 1906, 91-9.—**Dyrenfurth, F., & Steinbiss, W.** Der Fall Franken-Schulze; ein Beitrag zu den Schwierigkeiten der Differentialdiagnose zwischen reaktiv und organisch bedingter Psychose. Aertzl. Sachverst. Ztg., 1927, 33: 261-5.—**Esquerdo, J., & Villaverde, J. M. de**. Informe médico-legal sobre el estado mental de M. V. P.; asesinato de N. B. G. Siglo méd., 1927, 74: 537; 577; 605.—**Ferrarini, C.** Sui criteri psichiatrici delle giurie. Gior. psichiat., 1926, 54: No. 3-4, 16-50.—**Gerlach**. Der Fall Pastor Lang; anonyme und pseudonyme Briefschreiberei. Psychiat. neur. Wschr., 1908-9, 10: 201; 210.—**Grimaldi, A.** Il museo Ciarameila; relazione di perizia psichiatrica sullo stato di mente di A. Ciarameila imputato di truffa e falso. Manicomio, Nocera, 1908, 24: 287-90, 3 pl., ch.—**Guirieri, R.** Sullo stato mentale di un giovane imputato di omicidio e di appropriazione indebita qualificata. Bull. se. med., Bologna, 1911, 8, ser., 11: 695-702.—**Legludie, Cocard & Baruk**. Rapport médico-legal sur l'état mental du nommé B. ... inculpé d'incendie volontaire et de rébellion. Arch. méd. Angers, 1906, 10: 97-114.—**Mattos, J. de**. Fogo posto; imbecillidade e epilepsia; relatório médico-legal. Porto med., 1906, 3: 33-5.—**Mikorey, M., & Mezger, E.** Fälle: symptomatische Geisteskrankheit und schweres Verbrechen. Mschr. Krim. Psychol., 1936, 27: 97-105.—**Murillo de Campos & Guedes, A.** Tentativa de homicidio por octogenario displazico enuncuido e delirante. Arq. Inst. med. leg., Rio, 1931, No. 1, 39-43, 2 pl.—**Nieto, G.** Sobre el estado de enajenación mental del procesado M. G. D. Siglo méd., 1934, 93: 660; 694.—**Oehmke**. Strittiger Geisteszustand des Einbrecherkönigs K. Zschr. Medbeamte, 1913, 26: 369-77.—**Rassow, L.** Kriminalität und geistige Abnormalität in W. Deut. med. Wschr., 1935, 61: 2086-90.—Also Umschau, 1936, 40: 405-7.—**Rayneau**. Rapport sur l'état mental du nommé D. ... inculpé d'outrages. Arch. neur., Par., 1903, 2, ser., 16: 289-305.—**Roubey**. Rapport concernant le détenu R., de l'atelier des travaux publics d'Orléansville au point de vue médico-legal. Bull. méd. Algérie, 1906, 17: 51-4.—**Thiele, R.** Replik auf das in dem Prozess gegen den Mörder Wilhelm Gustloffs erstattete psychiatrische Sachverständigengutachten. Aertzl. Sachverst. Ztg., 1937, 43: 33-40.—**Wagner**. Der Fall Parrer X.; anonyme Briefschreiberei. Psychiat. neur. Wschr., 1908-9, 10: 369; 377; 385.—**Weatherly, L. A.** Debatahle medico-legal episodes in the long life of an alienist. Med. Leg. Crim. Rev., Lond., 1936, 4: 187-207.

— Commitment, guardianship and release of insane.

BRENNER, H. *Ueber die Frage der Entmündigung [Bonn] 65p. 8°. Goch, 1913.
FLEISCHMANN, A. *Ueber Bemündigung [Berlin] 37p. 8°. Charlottenb., 1931.
RICHTZENHAIN [C. A.] W. *Gemeingefährlichkeit von Wahnkranken und Entmündigung [Münster] 52p. 8°. Quakenbrück, 1932.
SOLANO, S. El estado peligroso. 59p. 24½cm. Lima, 1937.

VAINCHTOCK, A. *La conception d'un quartier de sûreté pour aliénés criminels. 91p. 8°. Strasb., 1932.

Abély, X. La technique de l'internement des aliénés criminels. Ann. méd. lég., 1932, 12: 107-29. — Internement des aliénés criminels; juridiction répressive ou juridiction civile? Ann. méd. psychol., Par., 1935, 93: pt 1, 234-53.

— & **Abély, P.** L'internement des arriérés sociaux (pervers constitutionnels) Ibid., 1934, 92: pt 1, 157-83.—**Beringer, K.** Einiges über Entmündigungsfragen für die Praxis. Jahrbuch. ärztl. Fortbild., 1934, 25: H. 5, 1-4.—**Berze, J.** Zur Frage des Schutzes der Gesellschaft vor gemeingefährlichen Kranken. Wien. klin. Wschr., 1937, 50: 280-5.—**Binswanger, L.** Entmündigungsgutachten. Nervenarzt, 1935, 8: 470-8.—**Brünliche, E.** Verwahrung und Sterilisation. Acta psychiat. neur., Kbh., 1933, 8: 647-66.—**Carrilho, H.** Manicomios judicarios; exposição de motivos e ante-projeto apresentado á 14. sub-comissão legislativa. Arq. Inst. med. leg., Rio, 1931, No. 2, 59-70.—**Commitment of patients to mental disease hospitals.** Westchester M. Bull., 1942, 10: No. 9, 16.—**Dangl, R.** Die Unterbringung der unzurechnungsfähigen und der vermindert zurechnungsfähigen Kriminellen. Jahrb. Psychiat. Neur., 1928, 46: 76-87.—**Derombies, M.** Le régime des aliénés criminels et délinquants en Angleterre (et en Ecosse. Ann. méd. psychol., Par., 1937, 95: pt 1, 202; 400); 536.—**Desoille, H., & Szumlanski, R.** Syndromes mentaux comportant des réactions dangereuses; diagnostic d'urgence; formalités de l'internement. Gaz. hôp., 1930, 103: 125-8.—**Eschle, F. C. R.** Das Sachverständigen-Gutachten im Entmündigungsverfahren und bei der Einsetzung einer Pflegschaft. Aertzl. Rdsch., 1910, 20: 265-72.—**Feinberg, Z. M.** [Principal questions in compulsory treatment of the mentally ill subject who has perpetrated a crime] Nevropat. psichiat., 1940, 9: No. 9, 73-82.—**Friedemann, E.** Die Notwehr gegenüber Geistesgestörten. Aertzl.

Sachverst. Ztg., 1937, 43: 271-8.—**Gumpertz, K.** Zur Gutachtertätigkeit bei Aufhebung der Entmündigung. Deut. med. Presse, 1910, 14: 13-5.—**Harms, M.** Institutional care of the criminal insane in the United States. Ment. Hyg., Alb., 1931, 15: 135-54.—**Herschmann, H.** Die strafrechtliche Behandlung und Unterbringung der geisteskranken und psychopathischen Verbrecher. Jahrb. Psychiat. Neur., 1926-27, 45: 221-75.

— Die Unterbringung der unzurechnungsfähigen und vermindert zurechnungsfähigen Rechtsbrecher. Ibid., 1928, 46: 66-75.—**Hess, E.** Entmündigung als Heilmittel bei Psychopathen. Zschr. ges. Neur. Psychiat., 1913, 18: Orig., 203-16.—**Homburger, A.** Ueber die Entmündigung bei krankhafter Haltlosigkeit und verwandten Formen der Psychopathie. Vjschr. gerichtl. Med., 1912, 3, ser., 43: Suppl., 371-9.—**Hübner, A. H.** Die Entmündigung wegen Geisteskrankheit, Geisteschwäche und Trunksucht. Veröff. Med. verwalt., 1921-22, 14: 203-78.—**Kayser**. Die Unterbringung der geisteskranken Strafgefangenen. Allg. Zschr. Psychiat., 1932, 97: 485.—**Lemmergaard, K. E. J., & Ravn, J.** Uebersicht über die Patientenbelegung der Sicherungsanstalt für geisteskranken Verbrecher in Nykøbing in der Zeit von 1918 bis 1938, unter besonderer Berücksichtigung der Psychopathien. Acta psychiat. neur., Kbh., 1938, 13: 431-46.—**Mattioti-Foggia, C.** Sull'amministratore provvisorio dei malati di mente. Note psichiat., Pesaro, 1938, 67: 625-32.—**Moerchen, F.** Die Entmündigungssache Peill-Schillings. Psychiat. neur. Wschr., 1912-13, 14: 445-52.—**Muñiz, G.** Normas de consideración psiquiátrica sobre la interdicción de los enajenados. Siglo méd., 1935, 96: 462-5.—**Naegele**. Geisteskrankheit, Bewusstlosigkeit, Entmündigung. Arch. Psychiat., Berl., 1931, 94: 502-60.—**Pereira Rezo, J. de**. Juicio de interdicción civil. Sem. méd., B. Air., 1919, 26: pt 2, 492-505.—**Petrén, A.** Erfahrungen bezüglich des schwedischen Verwahrungsgesetzes. Acta psychiat. neur., Kbh., 1933, 8: 513-34.—**Peytel, A.** Le privilège pour les frais de la dernière maladie, l'internement dans un asile. Paris méd., 1936, 100: annexe, 336-8.—**Rittershaus, E.** Zur Frage der rechtlichen Stellung des Entmündigten. Arch. Psychiat., Berl., 1925, 73: 312-7.—**Santangelo, G.** Della situazione del prosciutto per infermità di mente. Ann. Osp. psichiat. Perugia, 1932, 26: 181-202.—**Schottky, J.** Psychiatrische und kriminalbiologische Fragen bei der Unterbringung in einer Heil- oder Pflegeanstalt nach § 42b und c des Strafgesetzbuches; mit einem Ueberblick über die his zum 1. 3. 1940 in Hildburghausen untergebrachten Kriminellen. Allg. Zschr. Psychiat., 1941, 117: 287-355 (microfilm).—**Schuckmann, von**. Strafvollzugsunfähigkeit ohne Anstaltspflegebedürftigkeit. Psychiat. neur. Wschr., 1922-23, 24: 185-8.—**Schultze, E.** Psychiatrische Kritik des Preussischen Runderlasses betreffend die polizeiliche Unterbringung Geisteskranker in öffentlichen Heil- und Pflegeanstalten; ein Beitrag zu einer künftigen Irrengesetzgebung. Arch. Psychiat., Berl., 1932, 97: 468-532.—**Sommer, P.** Darf man einen Querulanten in einer Heilanstalt unterbringen? Aertzl. Sachverst. Ztg., 1936, 42: 9.—**Templeton, W. L.** Removal for mental observation. Brit. M. J., 1942, 2: 351.—**Trunk**. Unterbringung in Heil- und Pflegeanstalten als Sicherheitsmassnahme. Zschr. psych. Hyg., 1936, 9: 120-6.—**Verstraeten, P.** Sur l'internement et la libération des délinquants anormaux. C. rend. Congr. alién. neur. France, 1933, 37. Congr., 437-41.—**Vervaeck, L.** La libération des criminels anormaux internés par mesure de défense sociale. Bruxelles méd., 1931-32, 12: 1211.—**Viernstein**. Behandlung Krimineller. Allg. Zschr. Psychiat., 1939, 113: 1-14.

— Criminological aspect.

See also other subheadings; also Criminal, Psychiatric aspect; Delinquent; Forensic medicine; Homicide; Incapacity; Irresponsibility; Prisoner; Psychiatry, forensic, etc.

LEGRAS, J. *Psychose en criminaliteit bij twelingen. 105p. 8°. Utrecht, 1932.

OVERHOLSER, W. The place of psychiatry in the criminal law. p.322-44. 25½cm. Bost., 1936.

WEINREICH, R. *Straftaten geisteskranker Frauen; Zusammenhang zwischen Symptomen und Verbrechen. 56p. 8°. Bonn, 1932.

WILLIAMS, E. H. The insanity plea. 169p. 8°. Balt., 1931.

WILSON, J. G., & PESCOR, M. J. Problems in prison psychiatry. 275p. 23½cm. Caldwell, Id., 1939.

Ashby, J. W. The criminal insane. North Carolina M. J., 1942, 3: 500.—**Becker, R.** Die Häufigkeit jüdischer Krimineller unter den geisteskranken Verbrechern in Polen. Psychiat. neur. Wschr., 1931, 33: 362-4.—**Benon, R.** Aliénation mentale et criminalité. Bull. méd., Par., 1933, 47: 533.—**Brown, S., II.** A psychiatric view of crime and the criminal. Proc. Am. Ass. Study Feeble-minded, 1928, 52. Session, 115-23.—**Crime and insanity.** Lancet, Lond., 1935, 1: 622.—**Cushman, R. A.** The criminal insane. California West. M., 1938, 48: 83-7.—**Del Greco, F.** Sull'attributo di pericolosità agli infermi e gravi anormali mentali. Riv. sper. freniat., 1937, 61: 1094.—

- East, W. N. Crime and insanity. Postgrad. M. J., Lond., 1929, 4: 187-98; 201-12. 5: 21; 56; 1930, 57.—Erickson, M. H. Criminality in a group of male psychiatric patients. Ment. Hyg., Alb., 1938, 22: 459-76.—Erkkila, S. [Development of crime mania in the insane] Duodecim. Helsinki, 1938, 54: 801-6. [Criminality of the mentally sick and mentally abnormal] Nord. med., 1940, 8: 2151-7.—Farnell, F. J. The state, the psychotic and the criminal. J. Nerv. Ment. Dis., 1930, 72: 34-45.—Fernández Dávila, G., & Bambarén, C. A. Alienación mental y delincuencia (informe de psiquiatría forense). Crón. méd., Lima, 1928, 45: 232-8.—Francheteau, A. Sur la sortie de l'asile des aliénés criminels; à propos d'une tentative d'homicide. Progr. méd., Par., 1937, 1174-7.—Fuster, J., & Rodríguez Cuevillas, C. La valoración del delito y la noción de justicia en los delinquentes alienados. Rev. méd. Barcelona, 1935, 23: 299-324.—Gallup, P. R. The problem of the criminal insane in Indiana. Ment. Hyg. Rev., Indianap., 1940-41, 1: 115-22.—Garrity, J. A. The defense of insanity in criminal cases. Minnesota M., 1940, 23: 387-91.—Insanity as a defence in criminal cases. Brit. M. J., 1935, 2: 735.—Karpman, B. Psychoses in criminals; clinical studies in the psychopathology of crime. J. Nerv. Ment. Dis., 1926, 64: 331; 482; 1927, 520; 622. Widening the concepts of insanity and criminality. J. Crim. Psychopath., 1942-43, 4: 129-44.—Langfeldt, G. [Psychopathy and criminality] Sven. läk. tidn., 1938, 35: 1748-58.—Le Gras, A. M. Psychose und Kriminalität bei Zwillingen. Zschr. ges. Neur. Psychiat., 1933, 144: 198-222.—Leroy, E., & Masquin, P. Crimes en état de confusion mentale. Encéphale, 1939, 34: pt 1, 169-89.—Loudet, O. Sobre el tratamiento de los llamados delinquentes alienados y alienados delinquentes. Rev. crim., B. Air., 1933, 20: 419-24.—Minogue, S. J. Crime and insanity. Med. J. Australia, 1927, 2: Suppl., 384-7; 1941, 1: 86.—North, C. H. Insanity among adolescent criminals. State Hosp. Bull., Utica, 1911-12, n. ser., 4: 68-79.—Oliviers, Les aliénés délinquents tels qu'ils se présentent à l'asile spécial. J. neur. psychiat., Brux., 1932, 32: 209-33.—Orbison, T. The prevention of crimes in mental deviates. J. Delinq., 1927, 11: 100-5.—Pajak, J. [Biopsychiatry of crime and protection of the state] Med. prakt., Poznań, 1938, 12: 297; 328; 348; 377.—Palmieri, V. M. Die Verteilung der morphologisch-konstitutionellen Typen unter den geisteskranken Verbrechern. Deut. Zschr. gerichtl. Med., 1928, 12: 592-601.—Parasuram, G. R. Crime and insanity. Madras M. J., 1928, 10: 147-71.—Penrose, L. S. Mental disease and crime; outline of a comparative study of European statistics. Brit. J. M. Psychol., 1939-40, 18: 1-15.—Pilcher, E. Relation of mental disease to crime including a special study of the State Hospital for the Criminal Insane at Ionia, Michigan; a total survey of 5 criminal insane hospitals, and studies of crimes committed by the criminal insane. J. Am. Inst. Crim., 1930-31, 21: 212-46.—Pisani, D. L'innocenza del delitto negli alienati. Arch. antrop. crim., Tor., 1933, 53: 1624-8.—Raviart, G. Crimes d'aliénés et protection sociale. Echo méd. nord, 1934, 3. ser., 1: 610-5.—Richmond, F. C. The criminal feeble-minded. Med. Leg. J., N. Y., 1931, 48: 10-21.—Rojas, N. El obo patológico. Arq. med. leg. ident., Rio, 1933, No. 6, 60-6. — & Fernández Speroni, C. Estadística de alienados delinquentes. Rev. As. méd. argent., 1935, 49: 575-81. Also Sem. méd., B. Air., 1935, 42: pt 1, 477-80.—Ruiz Maya, A. La peligrosidad de los alienados en sus aspectos teórico y práctico. Arch. med., Madr., 1927, 27: 582-95.—Sante de Sanctis. El concepto moderno de la alienación mental en la criminología. Rev. crim., B. Air., 1927, 14: 269-86.—Schneider, K. Ueber Psychopathien und ihre kriminalbiologische Bedeutung. Mschr. Kriminalb., 1938, 29: 353-67.—Schwarz, R. The criminal insane under jurisdiction. Ment. Hyg. Bull., Alb., 1934, 18: 452-61.—Shaw, F. C. Types of criminal insane. Psychiat. Q., 1930, 4: 458-65.—Shaw, T. C. A contribution to the analysis of the mental process in criminal acts. Lancet, Lond., 1907, 2: 1306-9.—Shoenfeld, D. D. Psychiatry and the criminal law. J. Mount Sinai Hosp., N. York, 1938-39, 5: 369-75.—Stanger, F. A., jr. The relation of mental deficiency to crime. Training School Bull., 1933, 30: 22-7.—Tulin, L. A. The problem of mental disorder in crime. Current Legal Thought, 1936-37, 3: 48-55.—Verwaack, L. Le dépistage des maladies et anomalies mentales des prévenus en prison. Arq. med. leg. ident., Rio, 1933, No. 7, 104-11.—Webster, B. R. Psychoses among criminals. Psychiat. Q., 1928, 2: 136-43.—Weihsen, H. [Bibliography on insanity as a defense in criminal law] In his Insanity as a Defense, N. Y., 1933, 445-63.—White, A. M. Legal insanity in criminal cases; past, present and future. J. Am. Inst. Crim., 1927-28, 18: 165-74.—White, W. A. Insanity and crime. Ment. Hyg., Alb., 1926, 10: 265-76.—Yoemans, R. F. Who are the criminal insane 50 patients committed to the Boston State Hospital under Sections 100 and 104, Chapter 123, of the general laws of Massachusetts. Ibid., 1930, 14: 672-96.—Zeller, C. A. Who are the criminal insane. Arch. Neur. Psychiat., Chic., 1937, 37: 1433-7.—Zupic, S. [Rate of cured mental patients, incarcerated by the courts] Liječ. vjes., 1940, 62: 666.
- la maladie mentale. Ann. méd. lég., 1937, 17: 222-8. — Psychiatrie médico-légale, signes objectifs. Ibid., 1938, 18: 323-7.—Berezowski, F. [Elitization as an auxiliary method in legal psychiatric investigations] Med. prakt., Poznań, 1937, 11: 461-7.—Bombarda. Processo crimino pelo assassinio de uma gallinha. Med. contemp., Lisb., 1909, 27: 19.—Bonhour, A. Disimulación de la locura. Rev. As. méd. argent., 1937, 51: 421-5.—Bruchansky, N. P. [Psychiatric examination in connection with questions of law] Mosk. med. J., 1926, 6: No. 3, 47-50.—Carrara, M. La determinazione della patogenesi in medicina legale. Arch. antrop. crim., Tor., 1933, 53: 1389.—Chornyak, J. Some remarks on the diagnosis of the psychopathic delinquent. Am. J. Psychiat., 1940-41, 97: 1326-40.—Decroly. Contribution au diagnostic des irrégularités mentales; les frontières anthropométriques des anormaux d'après M. Binet. J. neur., Par., 1906, 11: 61-72 [Discussion] 79.—D'Ormea, A. Sindromi degenerative e sindromi patologiche negli alienati e nei criminali. Rass. stud. psychiat., 1928, 17: 3-45.—Foxe, A. N. The psychiatric examination of the criminotically individual. Psychiat. Q., 1940, 14: 289-300.—Fribourg-Blanc, A. La dissimulation volontaire des troubles psychiques. Rev. méd. fr., 1931, 12: 853-62.—Gross, H. Zur psychologischen Tatbestandsdiagnostik. Arch. Krim. Anthropol., 1905, 19: 49-59.—Guija Morales, E. Valoración de la peligrosidad colectiva. Arch. neurob., Madr., 1933, 13: 837-48.—Hendren, W. M. Are legal tests of insanity a necessary or useful device? South. M. & S., 1926, 88: 709-15.—Henneberg, R. Manisch-depressive und schizophrene Zustände. Med. Welt, 1929, 3: 23-5.—Kinberg, O. Obligatory psychiatric examination of certain classes of accused persons. J. Am. Inst. Crim., 1911-12, 2: 858-67.—Loudet, O. Los índices médico-psicológicos y legales de la peligrosidad. Rev. psychiat. Uruguay, 1939, 4: No. 21, 39-60.—Mazzei, M. La genocutirazione del Ceni negli alienati criminali. Neopsichiatria, Pisa, 1935, 1: 26-41.—Niceforo, A. Contributo allo studio e alla rappresentazione grafica della normalità degli individui e dei fenomeni; indicazione e suggerimenti per l'esame peritale. Arch. med. leg. ident., Rio, 1936, No. 12, 81-110.—Proof of insanity in criminal cases. Lancet, Lond., 1937, 1: 48.—Raimann, E. Die Untersuchung bei zweifelfahem Geisteszustand. In Handb. biol. Arbeitsmeth. (Abderhalden, E.) Berl., 1938, 4: T. 12, 1. Hälfte, 1: 505-35.—Raitzin, A. Il interrogatorio sistematico in los exámenes clínicos y periciales de enfermos mentales. Sem. méd., B. Air., 1937, 44: pt 2, 922-31.—Serin, S. De l'examen à domicile des aliénés difficiles. Prat. méd. fr., 1926, 5: B, 495-502.—Stevens, J. W. Determination of the presence of insanity. J. Tennessee M. Ass., 1928-29, 21: 338-43.—True (The) criteria of insanity. Mem. Congr. méd. panamer. (1896) 1898, 2. Congr., 2: 959.—Wechsler, Z. Ueber eine Nachuntersuchung forensisch Begutachteter. Schweiz. Arch. Neur. Psychiat., 1936, 38: 284-97.

Expert testimony and trial procedure.

See also Psychiatry, forensic.

TAYLOR, J. A. Exonerative insanity. 87p. 8°. N. Y., 1882.

Ameghino, A. La pericia medicolegal del peligro de vida. Rev. crim., B. Air., 1926, 13: 513-35.—Archambault, P. La nécessité de l'expertise médico-légale contradictoire. C. rend. Congr. alién. neur. France (1907) 1908, 17. Congr., 307.—Benon, R. Pathologie mentale et rapports médico-légaux. Gaz. hôp., 1926, 99: 183. — Aliénation mentale et certificat. Ibid., 1934, 107: 1737.—Bermann, G. El juicio pericial de peligrosidad. Crón. méd., Lima, 1934, 51: 165-82.—Carroll, D. Observations on the psychiatric handling of delinquents. Med. Leg. Crim. Rev., Lond., 1940, 8: 182-98.—Ceillier, A. L'expertise psychiatrique. Progr. méd., Par., 1934, 145-9.—Certification under the Lunacy Acts. Brit. M. J., 1939, 1: Suppl., 165.—Cogan, T. E. The public defender and psychiatry. Week. Roster, Phila., 1938-39, 34: 976-8.—Courbon, P. Essai d'une conception et d'une méthode pragmatiques de l'expertise psychiatrique criminelle. C. rend. Congr. alién. neur. France, 1929, 33. Congr., 293-5. Crice, T. J. The psychiatrist's responsibility to society and the so-called criminal insane. Kentucky M. J., 1940, 38: 26-32.—Criminal insanity; testimony of alienists not conclusive [Colorado] J. Am. M. Ass., 1939, 113: 1159.—Del Greco, F. La tecnica dei manicomi ed il giudizio di pericolosità di uno psicopate. Riv. sper. freniat., 1934, 58: 1257.—Desmond, T. C. New York smashes the lunacy commission racket. J. Crim., Chic., 1939-40, 30: 633-61.—Dukor, B. Zur Methode und Technik des psychiatrischen Gutachtens. Schweiz. Arch. Neur. Psychiat., 1938, 42: 225-48.—Ferrari, C. Sui criteri psichiatrici delle Giurie (a proposito del processo di Arezzo per il delitto del direttissimo 38 e del processo C. R. all'Assise di S. Remo) Gior. psychiat., 1926, 54: 16-50.—Fribourg-Blanc. Des erreurs à éviter dans la rédaction des pièces médicales relatives aux psychopathies. Arch. méd. pharm. mil., 1931, 94: 741-51.—Fürstenheim, W. Die Beurteilung des Geisteszustandes jugendlicher Angeklagter. Zschr. Psychother., 1911, 3: 158-82.—Gelma, E. Organisation des services psychiatriques annexes des prisons. Rev. anthrop., Par., 1926, 36: 111-3.—Gordon, H. L. On certification of mental disorder in Kenya. East Afr. M. J., 1935-36, 12: 358-65.—Gorriti, F. Los certificados médicos para la internación de alienados desde el punto de vista psiquiátrico. Sem. méd., B. Air., 1932, 39: pt 1, 366-8.—

Diagnosis and evidence.

See also next subheading; also Psychosis, Heredity.

Alcantara Machado. Exame psiquiátrico; formalidades. Arch. med. leg. ident., Rio, 1935, No. 11, 93-5.—Benon, R. Rapports médico-légaux et psychiatrie; la démonstration de

Heucqueville, G. d', & Kah, P. L'expertise mentale comparée; à 3 degrés. C. rend. Congr. alién. neur. France, 1935, 39. Congr., 592-8.—Hoffmann, M. H. The expert witness and the insanity defense plea. Am. J. M. Jurispr., 1938, 1: 12-8.—Johnson, G. S. Forensic psychiatry; a review of procedure in Colorado. J. Am. M. Ass., 1932, 99: 2019-21.—Keedy, E. R. Proposals of legislative relation to the presentation of psychiatric findings in criminal procedure. Week. Roster, Phila., 1938-39, 34: 949.—Kennedy, F. The psychiatrist's responsibility to the criminally insane and to society. J. Am. M. Ass., 1938, 110: 634-9.—Kielholz, A. Ueber psychiatrische Beobachtung und Begutachtung. Praxis, Bern, 1937, 26: 169; 181.—Kolk, J. van der. Psychiatrische werkzaamheid in dienst der justitie. Psychiat. neur. bl., Utrecht, 1918, 435-46.—Larson, J. Report of Committee on Courts. Am. J. Psychiat., 1941-42, 98: 298.—Leibbrand, W. Aktuelles zur psychiatrischen Sachverständigenfrage. Psychiat. neur. Wschr., 1933, 35: 345-7.—Leshchinsky, A. L., & Mozgova, P. V. [Migrating legal-psychiatric expert] Sovet. psikhonevr., 1933, 9: 94-8.—Loudet, O. El valor probatorio y legal de las pericias psiquiátricas. Rev. espec., B. Air., 1929, 4: 1207-15.—Medico-political: fees for certification of mental patients released on probation. Brit. M. J., 1934, 1: Suppl., 319.—Meijers, F. S. [The psychiatrist and the enforcement of insanity laws] Psychiat. neur. bl., Amst., 1932, 36: 70-5.—Meyer, Ein Gutachten über den Geisteszustand des angeklagten Jesuitenmissionars Richard. Arch. Krim. Anthropol., 1905, 20: 148-68.—Moll, A. Psychiater und Psychologe als gerichtliche Sachverständige. Mschr. Psychiat. Neur., 1927, 64: 137-51.—Morsier, G. de. Die Bedeutung des psychiatrischen Gutachtens im Strafgericht. Aerztl. Sachverst. Ztg., 1936, 42: 59-64.—Overholser, W. Psychiatric expert testimony. In Ment. Health (Am. Ass. Advance, Sc.) Lancaster, 1939, 313-8. — Some problems in psychiatric expert testimony. Am. J. M. Jurispr., 1939, 2: 76-83.—Patterson, R. M. Psychiatrist, criminal, court. J. Crim. Psychopath., 1940-41, 2: 512-23.—Place (The) of the psychiatrist in relation to the administration of criminal law. Med. Leg. Crim. Rev., Lond., 1939, 7: 153-72.—Rinne, Heinrich Hansjakob als Sachverständiger zum Irrenschutz-Gesetz. Psychiat. neur. Wschr., 1926, 28: 108.—Rojas, N. Peritos de parte en los juicios de insania. Rev. espec., B. Air., 1931, 6: No. 4, 3-12.—Schneider, K. Psychiatrische Begutachtung für Straf- und Zivilgerichte. Deut. med. Wschr., 1933, 59: 1739-41.—Scott, H. D., jr. The prosecutor and psychiatry. Week. Roster, Phila., 1938-39, 34: 951-3.—Spencer, F. G. The psychiatrist and the law. Arch. Neur. Psychiat., Chic., 1935, 34: 432.—Tepley, L. V. Why alienists disagree in legal trials. Colorado M., 1926, 23: 237-9.—Trossarelli, A. L'alienista revisore di perizia individuale nella procedura penale e nel progetto Rocco pel nuovo Codice di procedura penale. Rass. stud. psichiat., 1929, 18: 737-54.—Vervaeck, L., Héger-Gilbert, F., & Ley, A. L'expertise médico-légale psychiatrique et son organisation en Belgique. C. rend. Congr. alién. neur. France, 1929, 33. Congr., 287-92.—Vorkastner, W. Die Begutachtung fraglicher Geisteszustände im Strafprozess. Erg. ges. Med., 1925, 7: 477-99.—Vullien. Les conditions de l'expertise médico-légale psychiatrique criminelle; les annexes psychiatriques des prisons. C. rend. Congr. alién. neur. France, 1929, 33. Congr., 213-49. Also Rev. neur., Par., 1929, 36: pt 2, 344.—Wagner-Jauregg, J. Schwurgericht und psychiatrische Sachverständige. Wien. klin. Wschr., 1929, 42: 269.—Werner, A. Gedanken zur Begutachtung psychisch Kranker. Münch. med. Wschr., 1936, 83: 1160-2.—Weygandt, W. Experimentelle Psychologie bei der gerichtlichen psychiatrischen Sachverständigen-tätigkeit. Mschr. Krim. Psychol., 1926, 17: 404-10.—Wilson, J. G. The responsibility of the physician in lunacy inquests. Kentucky M. J., 1939, 37: 377-80.—Wimmer, A. [Medical evidence in insanity] Ugeskr. læger, 1927, 89: 191-7.

— feigned.

See also under Prisoner.

FLINT, A. Notes and citations on the homicidal insanities and feigned insanity. 90p. 4° N. Y., 1907.

Borda, J. T. Sobre la disimulación en la locura. Rev. crim., B. Air., 1932, 19: 302.—Buchmüller, J. Aufdeckung der Nachahmung von Geisteskrankheiten mittels Cardiazol-Konvulsionsbehandlung. Psychiat. neur. Wschr., 1939, 41: 527.—Cisternas, R., & Laignaragay, J. M. Consideraciones sobre la simulación de la locura. Sem. méd., B. Air., 1932, 39: pt 1, 373-8.—Fribourg-Blanc, A. Les fausses simulations en médecine légale psychiatrique. C. rend. Congr. alién. neur. France, 1931, 35. Congr., 163-243.—Grosz, K. Ueber Simulation von Geisteskrankheiten. Wien. klin. Wschr., 1932, 45: 277.—Haymann, H. Ueber Simulation und Dissimulation von Psychosen. Prakt. Arzt, 1927, n. F., 12: 194-200.—Krákora, S. [Simulation of mental diseases] Bratisl. lek. list, 1936, 16: 193-201.—Lagriffe & Sengès, N. Sur un cas de simulation de troubles mentaux ayant duré de novembre 1920 à janvier 1922. Ann. méd. psychol., Par., 1928, 86: pt 1, 237-45; 1929, 87: pt 1, 333; 127; pt 2, 241.—Lellep, K. Simulation von Geisteskrankheiten und deren Grenzzuständen. Acta Univ. Tartu, 1934, 27: A, 1-63.—Milici, P. Simulated foolishness and mental puerilism in the psychoses. Psychiat. Q., 1936, 10: 417-37.—Müller. Ein lehrreicher Fall zur Frage der Vortäuschung geistiger Störung. Vereinsbl. pfälz. Aerzte, 1927, 39: 315-8.—

Nelken, J. [Simulation of psychic disturbances in military service] Lek. wojsk., 1926, 7: 1-22.—Ossipov, V. P. [Determining simulation in mental diseases] Arkh. med. nauk., 1929, 1: 5-17.—Stefan, H. Simulation von Geistesstörung; bewusste Vortäuschung von epileptischen Anfällen, Aphasie, Amnesie, Dementia; aus der Gutachtentätigkeit der Klinik. Psychiat. neur. Wschr., 1936, 38: 344-9.—Többen, H. Ein Beitrag zur Simulation von Geistesstörungen. Deut. Zschr. gerichtl. Med., 1935, 25: 212-22.—Vallejo Nágera, A. Las simulaciones de locura y su peritaje forense. Siglo méd., 1930, 86: 297-303.

— Jurisprudence.

See also Psychosis, traumatic.

BRUHY, M. M. *Die Beurteilung des Begriffes Geisteskrank im Sinne des § 176, II Str. G. B. 24p. 8° Bresl., 1934.

Akkerman, V. [Judicial-psychiatric rating of criminal insane and refractory hospital psychopaths] Mosk. med. J., 1926, 6: No. 10, 27-40. — [Understanding psychopaths and their significance in legal medicine] Sovet. psikhonevr., 1937, 13: 33-44.—Apfelbaum, M. Der unbemerkte Hintergrund rechtlich-psychiatrischer Grenzfragen. Mschr. Krim. Psychol., 1928, 19: 272-81.—Benon, R. Aliénés putatifs et assurances sociales. Paris méd., 1938, 107: 253-5.—Black, B. W. Psychiatry and the law. California West. M., 1936, 44: 87-92.—Brown, C. L. Point of view of the law. Arch. Neur. Psychiat., Chic., 1938, 40: 845-7.—Brown, H. E. Mental disorder and the law. S. Afr. M. J., 1935, 9: 264-8.—Bumke, O. Der Staat und die Geisteskrankheiten. In Handb. Geisteskrankh. (O. Bumke) Berl., Ergänzb. T. 1, 1939, 280-305.—Burr, C. B. Insanité, légalité, insécurité. Proc. Am. Med. Psychol. Ass., 1920, 76: 115-27.—Chesney, E. J. The concept of mens rea in the criminal law. J. Crim., Chic., 1938-39, 29: 627-44.—Franchetou, A. Aliénation mentale et déséquilibre psychique en médecine légale. Bull. méd., Par., 1937, 51: 545-8.—González Bernal, D. Necesidad de locales forenses judiciales para toxicómanos y enfermos mentales. Arch. med., Madr., 1934, 37: 182-4.—Good, T. S. Some legal aspects of mental disease. Practitioner, Lond., 1932, 129: 674-91.—Graham, J. T. Some medico-legal observations in reference to insanity. Tr. Med. Soc. Virginia, 1916, 46: 67-71.—Green, P. W. Duties of the state asylum under the uniform criminal extradition act. J. Crim., Chic., 1939-40, 30: 295-324.—Henderson, D. K. Mental illness: legal aspects. In Brit. Encycl. M. Pract. (Rolleston, H.) Lond., 1938, 8: 564-80.—Jepson, C. N. Some medico-legal phases of insanity. Tr. Iowa M. Soc., 1903, 21: 262-76.—Layton, D. J. Insanity: some medico-legal aspects. Delaware M. J., 1935, 7: 21-9.—Modi, J. P. Insanity and its medico-legal aspect. In his Textb. Med. Jurispr., 6. ed., Bombay, 1940, 389-435.—Phillips, J. G. P. The medico-legal aspects of mental disorder. Practitioner, Lond., 1934, 132: 391-404.—Requadt, H. W. Der Begriff der Gemeingefährlichkeit und die Ersatzansprüche der Bezirksfürsorgeverbände gegen die Krankenkassen bei Anstaltsaufenthalt Geisteskranker. Vertrauensarzt, 1939, 7: 52-5.—Schadenersatzanspruch des Arztes gegen eine Ehefrau, die es unterlässt, ihn durch rechtzeitige Warnung vor einem durch den geisteskranken Ehemann drohenden Schaden zu bewahren. Reichsgesundhbl., 1934, 9: 885.—Standards of insanity. Lancet, Lond., 1940, 1: 1135.—Vvedensky, I. N. [Legal psychiatric difficulties] J. nevropt. psikhiat., Moskva, 1931, 24: 101-4.

— Legislation.

See also Eugenics, Legislative and forensic aspect; Heredity, Pathology; Psychotic, Care; Sterilization, eugenic.

HUNT, D. G., & PHILLIPS, J. F. Heywood & Massey's Lunacy practice. 6. ed. 687p. 25½cm. Lond., 1939.

MILLS, G. E., & POYSER, A. H. R. W. Mills & Poyser's Lunacy practice. 499p.; 34p. 26cm. Lond., 1934.

Aschaffenburg, G. Zum Irrenfürsorgegesetz. Psychiat. neur. Wschr., 1926, 28: 213.—Baruk, H. Assistance; la loi de 1838 (esprit et réformes) In his Psychiat. méd., Par., 1938, 708-16.—Becker. Passt der 1569 des BGB, noch in die Zeit der heutigen Volksaufbesserung? Psychiat. neur. Wschr., 1933, 35: 391.—Bosch, G. El alienado frente al código civil. Rev. As. méd. argent., 1934, 48: 404-11. — Situación del alienado en nuestro Código civil. Prensa méd. argent., 1937, 24: 76-87.—Clemmesen, C., & Yde, A. [Present experiences with the new law for mental diseases] Ugeskr. læger, 1939, 101: 1121-7.—Courbon, P., & Bauer, E. Protection des biens des aliénés dans les codes français et allemand. Ann. méd. lég., 1926, 6: 144-58.—Demay & Renaux. La loi de 1838, loi d'assistance. C. rend. Congr. alién. neur. France, 1928, 32. Congr., 401.—Doninck, A. van [The laws of today and of the future in the care of the insane in Ghent] Psychiat. neur. bl., Amst., 1933, 37: 563-78.—Erkkila, S. [The legal status of mental patients according to Finnish law and based on legal medicine] Duodecim, Helsin., 1939, 55: 903-14. Also Acta Soc. med. Duodecim, 1940, ser. B, 28: No. 10, 77-87.—Ferrio,

C. Rinnione della Commissione di medici alienisti per la riforma della legge sui manicomii. Note psichiat., Pesaro, 1934, 63: 134-8. — Ueber die Reform der Irrengesetzgebung: Wie sich das Problem in Italien gestaltet. Allg. Zschr. Psychiat., 1936, 104: 384-411. — **Glueck, B.** Contemporary issues in the relationship between psychiatry and law. J. Crim. Psychopath., 1939, 1: 91-102. — **Groth, H.** Die gesetzliche Regelung der Irrenfürsorge in Preussen. Zschr. ges. Krankenhauswes., 1926, 22: 394-6. — **Heilweg, H.** [Legislation on mental diseases with special regard to the establishment of family care as provided in the law of 1927] Hospitalstidende, 1929, 72: 1145-66. — **Hoche**. Zur Reform des Irrenrechts. Zschr. psych. Hyg., 1930, 3: 36-45. — **Insanity**; constitutionality of statute authorizing court to appoint commission to determine sanity [Indiana] J. Am. M. Ass., 1939, 112: 1532. — **Kalpa, K. I.** Die neue Geisteskrankengesetzgebung Finnlands. Acta psychiat. neur., Kbh., 1938, 13: 619-29. — **Keyes, B. L.** Law and lunacy. Pennsylvania M. J., 1940-41, 44: 165-71. — **Kolb.** Irrengesetz und offene Fürsorge. Psychiat. neur. Wschr., 1926, 28: 113-7. — **Kortenhorst, C. T.** Die Psychopathengesetzgebung und ihre Durchführung in den Niederlanden. Zschr. psych. Hyg., 1931, 4: 110-22. — **Loudet, O.** Sobre legislación de alienados. Rev. crim., B. Air., 1932, 19: 621-5. Also Arq. med. leg. ident., Rio, 1933, No. 7, 118-23. — **Mas de Ayala, I.** La ley de alienados del Uruguay. Rev. psiquiat. crim., B. Air., 1938, 3: 229-50. — **Mönkemöller.** Psychiatrie und Bewährungsgesetz. Allg. Zschr. Psychiat., 1925-26, 83: 448-90. — **Pieraccini, A.** La riforma della legge sui manicomii e sugli alienati. Ann. Osp. psichiat. Perugia, 1934, 28: 63-82. — **Prince, A.** La notion d'incubabilité en aliénation mentale d'après l'art. 1569 du code civil allemand. Ann. méd. psychol., Par., 1926, 84: pt 1, 79-82. — **Raecke.** Der Entwurf des preussischen Irrenfürsorgegesetzes. Deut. med. Wschr., 1928, 54: 361. — **Ritterhaus, E.** Die Irrengesetzgebung in Deutschland nebst einer vergleichenden Darstellung des Irrenwesens in Europa (für Aerzte, Juristen und gebildete Laien). Allg. Zschr. Psychiat., 1927, 86: Ergänzh., 1-261. — **Rojas, N.** Bases para una legislación sobre alienados. Sem. méd., B. Air., 1936, 43: pt 1, 1177-83. — **Schiff, P.** La réforme de la loi anglaise sur les aliénés. Hyg. ment., Par., 1927, 22: 9-12. — **Schlager.** Neuere Rechtsprechung zu § 51 StGB. Med. Klin., Berl., 1939, 35: 1227. — **Závodný, J.** [Protection of the mentally diseased] [Jurisprudence] Rev. neur. psychiat., Praha, 1931, 28: 19; 57.

Legislation: Penal law.

See also Incapacity; Irresponsibility.

LIESKE, H. Die Berücksichtigung geistiger Minderwertigkeit in den Vorarbeiten zur Strafprozessreform. 27p. 8° Berl., 1913.

Artigo (O) 29 do projeto S4 Pereira; comentarios do Professor Afranio Peixoto na Camara dos deputados, em sessão da comissão do Código penal, realizada em 2 de Outubro de 1930. Arq. Inst. med. leg., Rio, 1931, 51-8. — **Berze, J.** Ueber den Entwurf zu einem deutschen Strafgesetzbuch von 1919. Zschr. ges. Neur. Psychiat., 1922, 76: 461-78. — **Curran, E. M.** Psychiatry and criminal law. Med. Ann. District of Columbia, 1940, 9: 130-4. — **Desruelles, M.** A propos du projet de loi portant refonte du code pénal. Ann. méd. psychol., Par., 1935, 93: pt 1, 310-20. — **Favero, F.** O artigo 68 do Código penal. Arq. med. leg. ident., Rio, 1933, No. 7, 222-5. — **Herschmann, H.** Psychiatrische Kritik des antienten Entwurfes eines allgemeinen deutschen Strafgesetzbuches vom Jahre 1925. Arch. Psychiat., Berl., 1925-26, 76: 533-51. — **Hewart, L.** Criminal law and insanity. Brit. M. J., 1927, 2: 949. — **Issa Assaly, A.** A loucura superveniente no Código penal de 1940. Arq. polic. civ. S. Paulo, 1941, 2: 75-92. — **Juarras, C.** La psiquiatria en el nuevo Código Penal. Siglo méd., 1929, 83: 429-35. — **Meggendorfer, F.** Forensische Psychiatrie: Neuere ausländische Strafgesetze und die Probleme der Zurechnungsfähigkeit und verminderten Zurechnungsfähigkeit. Fortsch. Neur. Psychiat., 1933, 5: 205-32. — **Forensische Psychiatrie**; auf dem Wege zu einem nationalsozialistischen Strafrecht. Ibid., 1934, 6: 60-75. — **Das kommende deutsche Strafrecht.** Ibid., 1936, 8: 487-500. — **Ribeiro, & L. Murillo de Campos.** O projeto de Código penal do desembargador S4 Pereira em face da psiquiatria forense. Arq. Inst. med. leg., Rio, 1931, No. 2, 87-96. — **Saforcada, M., & Torras, O.** Comentarios psiquiátricos al nuevo código penal español. Arch. neurob., Madr., 1930, 10: 443-63. — **Schultze, E.** Amtlicher Entwurf eines Einführungsgesetzes zum Allgemeinen Deutschen Strafgesetzbuch und zum Strafvollzugsgesetz vom Standpunkte des Psychiaters mit Bemerkungen über den Entwurf eines Allgemeinen Deutschen Strafgesetzbuchs nach der ersten Lesung im Strafrechtsausschuss. Arch. Psychiat., Berl., 1931, 93: 452-94. — **Das Schweizerische Strafgesetzbuch** (21. Dezember 1937) verglichen mit der Strafrechtsreform in Deutschland vom psychiatrischen Standpunkt. Ibid., 1938, 108: 469-92. — **Steinwallner, B.** Ein interessanter französischer Gesetzentwurf betr. geistig anormale Verbrecher. Psychiat. neur. Wschr., 1938, 40: 549. — **Ein psychiatrisch bemerkenswerter französischer Gesetzentwurf bezüglich geistig anormaler Verbrecher.** Allg. Zschr. Psychiat., 1939, 111: 389-92. — **Psychiatrisch-Bemerkenswertes aus dem neuen schweizerischen Strafgesetzbuch.** Psychiat. neur. Wschr., 1939, 41: 171. — **Urstein, M.** La psiquiatria y sus relaciones con el código penal. Dia méd., B. Air., 1930-31, 3: 294. — **Walsh, C. A.** Psychiatry and the criminal law. Rhode Island M. J., 1938, 21: 73-5. — **Wimmer, A.** Considérations psychiatriques sur un nouveau

projet de loi pénale pour le Danemark. C. rend. Congr. alién. neur. France, 1924, 28. Congr., 333-7. — [Psychiatric problems under the new penal code] Ugeskr. laeger, 1933, 95: 1129-53.

Legislation: United States.

KOREN, J. Summaries of state laws relating to the insane. 272p. 8° N. Y., 1917.

MARYLAND, U. S. A. DEPARTMENT OF WELFARE. Laws relating to the penal institutions, the board of mental hygiene, and care of mental patients. 101p. 8° Balt., 1934.

OVERHOLSER, W. The history and operation of the Briggs Law of Massachusetts. p.436-47. 261em. [Durham, 1935]

Farrington, L. M. Legislation of the session of interest to the New York State Department of Mental Hygiene [1930 and subsequent years]. Psychiat. Q., 1930, 4: Suppl., 109-12; and passim in subsequent vols. — **Gunion, J. P.** How the law treats the psychotic. Med. Bull. Veterans Admin., 1935-36, 12: No. 3, 283-7. — **Hunter, G. G.** Care of California's mentally sick; some proposed changes in the lunacy laws. California West. M., 1931, 34: 163-5. — **Keyes, B. L.** Law and lunacy. Diplomate, 1941, 13: 105-13. — **Lang, H. B.** A discussion of certain sections, 658 to 662D and Section 870, of the Code of Criminal Procedure. Psychiat. Q., 1941, 15: Suppl., 298-305. — **Lord, J. R.** American psychiatry and its practical bearings on the application of recent local government and mental treatment legislation, including a description of the author's participation in the First International Congress on Mental Hygiene, Washington, D. C., May 5-10, 1930. J. Ment. Sci., Lond., 1930, 76: 456-65. — **Marland, A. E.** Lunacy procedure under the new law. Med. Ann. District of Columbia, 1939, 8: 6-10. — **Overholser, W.** Note on the Massachusetts Statute providing for ascertaining the mental condition of persons coming before the courts of the Commonwealth. Bull. Massachusetts Dep. Ment. Dis., 1931-32, 15: 15-9. — **Pierce, C. M.** Summary of legislation of interest to the Department of Mental Hygiene [of New York State]. Psychiat. Q., 1941, 15: Suppl., 381-24; 1942, 16: 231-40.

partial.

Beltrán, J. R. Los semialienados y la legislación penal argentina. Rev. As. méd. argent., 1934, 48: 1159-66. — **Kluge, E.** [Partial irresponsibility] Gyógyászat, 1939, 79: 287. — **Perkins, R. M.** Partial insanity. J. Crim., Chic., 1934, 25: 175-86. — **Raitzin, A.** Semialienación, doble peligrosidad. Sem. méd., B. Air., 1938, 45: pt 2, 791-801. Also Arq. med. leg. ident., Rio, 1939, No. 17, 46-66.

Responsibility.

See also Incapacity; Irresponsibility.

Ballet, G. L'expertise médico-légale et la question de responsabilité. Rapp. Congr. alién. neur. France (1907) 1908, 17. Congr., 1-36 [Discussion]. C. rend., 51-90. — **Benon, R.** Psychiatrie; biologie, responsabilité. Ann. méd. lég., 1934, 14: 528-30. — **Brennecke, H.** Zur Frage der Verantwortlichkeit oder Nichtverantwortlichkeit der Geisteskranken in der modernen Heilanstaltsbehandlung. Psychiat. neur. Wschr., 1931, 33: 125-30. — **Büttner, G.** Von den geistig Minderwertigen in der Rechtspflege. Zschr. Erforsch. jugendl. Schwachsinn, 1909, 3: 347-52. — **Dolsa y Ramón, L.** Concepto de la degeneración y responsabilidad legal de sus productos mentales. Rev. frenopat. españ., 1909, 7: 65-71. — **Friedenreich.** Ueber Zurechnungsfähigkeit. Mschr. Psychiat. Neur., 1908, 24: 51-63. — **Galtier, J.** Responsabilité pénale et automatisme. J. méd. Bordeaux, 1923, 53: 43-6. — **Jones, R.** Responsibility in regard to certain forms of unsoundness of mind. Tr. Med. Leg. Soc., Lond., 1912-13, 10: 70-95. Also Practitioner, Lond., 1913, 90: 653-71. — **Kalmus.** Die Zurechnungsfähigkeit der degenerativen Phantasten. Vjschr. gerichtl. Med., 1914, 3. F., 47: 1. Suppl., 305-26. — **Mesa y Gutiérrez, J.** Acerca del criterio de la responsabilidad de los insanos. Gac. méd. México, 1927, 58: 1-14. — **O'Hara, J. A.** Insanity responsibility. N. Orleans M. & S. J., 1926-27, 79: 43-6. — **Simmins, C.** Mental incapacity: the intelligence of patients in mental hospitals. Character & Personality, 1935-36, 4: 25-33. — **Tucker, B. R.** Expert testimony and its relation to mental responsibility and neurological injury. Virginia M. Month., 1936-37, 63: 267-70. — **Wigert, V.** [Certain medical view-points on the question of responsibility] Nord. med., 1939, 1: 165-72.

Responsibility—for crime.

See also Criminal subheadings (dangerous; Psychiatric aspect) also Insanity, Criminological aspect.

DREXLER, H. *Strafbare Handlungen Geisteskranker. 103p. 8° Bonn, 1931.

SCHOEN, H. *Nachuntersuchung an Personen, die in Königsberg auf Grund des § 51 St. G. B. freigesprochen waren. 17p. 8° Königsb., 1933.

Bernhard, H. Beitrag zur Frage der Haftunfähigkeit. Aertzl. Sachverst. Ztg, 1928, 34: 97.—**Chatelain.** Débile homicide; irresponsabilité, demande de mise en liberté. Ann. méd. psychol., Par., 1909, 9, ser., 10: 44-56.—**Cossa.** A propos d'un délinquant récidiviste après avoir été acquitté comme irresponsable; responsabilité atténuée ou imputabilité amoindrie? Encéphale, 1914, 354-63.—**Courbon, P.** De l'importunité de l'application d'une peine à un ancien délinquant guéri d'une psychose émotionnelle. Ann. méd. psychol., Par., 1933, 91: pt 1, 81-4.—**Del Greco, F.** Sulla responsabilità penale degli anormali psichici. Riv. ital. neuropat., 1914, 7: 481-95.—**Dunston, J. T.** Criminal responsibility in the insane. Med. J. S. Africa, 1926-27, 22: 74-81.—**Flesch, M.** Sind Psychopathen zurechnungsfähig? (eine Frage zum Mordprozess Hopf) Mschr. Krim. Psychol., 1929, 20: 732-4.—**Francotte, J.** De la responsabilité pénale, en particulier, de la responsabilité atténuée et des mesures à appliquer aux délinquants demi-fous. Bull. Soc. méd. ment. Belgique, 1909, 75-96.—**Frisco, B.** La imputabilità dei deboli di mente imputati di truffa commessa per suggestione. Riv. ital. neuropat., 1908-9, 2: 156-65.—**Grasset.** Les criminels à responsabilité atténuée; nécessité de rendre légalement obligatoires, dans tous les pays, l'assistance et le traitement des demi-fous criminels, jusqu'à leur guérison ou pendant toute leur vie s'ils sont incurable. Off. Ber. Internat. Congr. Irrenpf., (1908) 1909, 448-55.—**Guija Morales, E., & Fernández Ragel, A.** Notas de un informe sobre irresponsabilidad criminal. Arch. med. Madr., 1931, 34: 997-1005.—**Guilty** but insane. Lancet, Lond., 1939, 2: 1136.—**Kindred, J. J.** Insanity in its medico-legal relations to some notable criminal and civil cases; tests of responsibility. Am. J. Psychiat., 1934, 90: 137-46.—**Kraus, O.** Schuld, Unzurechnungsfähigkeit und Geisteskrankheit. Ber. Kongr. exp. Psychol., 1912, 5: 176.—**Lagrange.** Expertise médico-légale sur un cas de tentative de meurtre et de suicide aboutissant à l'irresponsabilité entière du sujet, au lieu d'une responsabilité limitée ou atténuée, dénomination qui aurait pu être adoptée, cependant, mais aussi conclusion qui, au point de vue social, aurait pu avoir des conséquences graves. C. rend. Congr. méd. alién. neur. France, 1908, 18: 234-7.—**López Bancalari, E., & Delpiano, J.** Un caso de inimputabilidad por perturbación mental momentánea. Prensa méd. argent., 1937, 24: 220-2.—**Un caso de inimputabilidad por perturbación mental momentánea; peligrosidad; pericia médico-legal.** Sem. méd. B. Air., 1939, 46: pt 1, 1479-88.—**Major, G.** Gesetzesübertretung, Jugendlicher und geistige Minderwertigkeit. Zschr. Psychother., 1909, 1: 336-63.—**Marx, H.** Die geistig Minderwertigen in einem künftigen Strafgesetzbuche. Berl. klin. Wschr., 1911, 48: 993-8.—**May, J. V.** Mental diseases and criminal responsibility. State Hosp. Bull., Utica, 1912-13, n. ser., 5: 339-71.—**Rodríguez, O.** La responsabilidad familiar en los delitos cometidos por alienados. Rev. As. méd. argent., 1936, 50: 1107-13.—**Rojas, N.** Definición médico-legal del alienado. Crón. méd. mex., 1928, 27: 137-41.—**Rutherford, W. J.** Criminal responsibility of the insane. Glasgow M. J., 1936, 125: 275-7.—**Strassmann, F.** Ueber die verminderte Zurechnungsfähigkeit. Deut. med. Wschr., 1924, 50: 1737.—**Will, G. W.** Guilty but insane. J. R. Army M. Corps., 1938, 71: 39-42.—**Woodbridge, F.** Some unusual aspects of mental irresponsibility in the criminal law. J. Crim., Chic., 1938-39, 29: 822-47.

INSAUSTI, Tomas. *Tuberculoma del cerebro. 47p. illust. 26½cm. B. Air, A. Frascoli, 1940.

INSCRIPTION.

De Mets. Les inscriptions funéraires médicales à Anvers. Liber mem. Congr. hist. art. guérir (1920) 1921, 1 Congr., 305-19, 2 pl.—**Peira Junior, J. A.** Notas sobre inscrições lapidárias. Rev. Arg. mun., S. Paulo, 1941, 7: No. 77, 97-101, 3 pl.; No. 78, 195-210.—**Tozzer, A. M.** Dating of certain inscriptions of non-Maya origin, by J. Eric S. Thompson; 1941. Am. Anthropol., 1942, 44: 490-3.

INSECTA.

See also names of orders, families and genera as *Acarina*; *Aedes*; *Amblyomma*; *Anopheles*; *Anophelinae*; *Anoplura*; *Aphididea*; *Apidae*; *Arachnida*; *Araneae*; *Argasinae*; *Arthropoda*; *Blaniulidae*; *Blattidae*, etc.

UNITED STATES. SUPERINTENDENT OF DOCUMENTS. Insects; bees, honey, and insects injurious to man animals, plants, and crops; list of publications. Wash., D. C., 28. ed., 1934—

Becquaert, J. Insecta. Med. Rep. Rice-Harvard Exped. Amazon (1924-25) Camb., 1926, No. 4, 179-257, 7 pl.—**Brues, C. T.** Is ours the age of insects? Sc. Month., 1940, 50: 413-8.—**Marchal, P.** L'insecte et l'homme. Rev. sc., Par., 1926, 64: 673-9.

Anatomy.

SNODGRASS, R. E. Morphology and mechanism of the insect thorax. 108p. 8° Wash., 1927.

Forms Smithson. Misc. Collect., 1927, 80: No. 1.

— Morphology and evolution of the insect head and its appendages. 158p. 8° Wash., 1928.

Forms Smithson. Misc. Collect., 1928, 81: No. 3.

— Morphology of the insect abdomen; general structure of the abdomen and its appendages. 128p. 8° Wash., 1931.

Forms Smithson. Misc. Collect., 1931, 85: No. 1.

— Morphology of the insect abdomen; the genital ducts and the ovipositor. 148p. 8° Wash., 1933.

Forms Smithson. Misc. Coll., 1933, 89: No. 1.

Barendrecht, G. Zur Frage der sogenannten hinteren Wurzel der Corpora pedunculata bei den Insekten. Zool. Anz., 1932, 100: 49.—**Bugaev, I. I.** Zum Studium des Baues der Malpighischen Gefässe bei den Insekten. Ibid., 1928, 78: 244-55.—**Buxton, P. A.** The proportion of skeletal tissues in insects. Biochem. J., Lond., 1932, 26: 829.—**Debaisieux, P.** Organes scolopidiens des pattes d'insectes. Cellule, Louvain, 1938, 47: 77-202, 12 pl.—**Denis, J. R.** Etudes sur l'anatomie de la tête de quelques collemboles suivies de considérations sur la morphologie de la tête des insectes. Arch. zool. exp., Par., 1928-29, 68: 1-291, 2 pl.—**Eggers, F.** Zur hypothetischen Homologie verschiedener segmentärer Tympanalorgane. Zool. Anz., 1937, 118: 289-98.—**Frolowa, S.** Die Polyloidie einiger Gewebe bei Dipteren. Zschr. Zellforsch., 1928-29, 8: 542-65, pl.—**Holway, R. T.** Preliminary note on the structure of the pretarsus and its possible phylogenetic significance. Psyche J. Entom., 1935, 42: 1-24.—**Hsü, F.** Etude cytologique et comparée sur les sensilla des insectes. Cellule, Louvain, 1938, 47: 5-60, 5 pl.—**Kühnelt, W.** Ueber den Bau des Insekten-skelettes. Zool. Jahrb., Abt. Anat., 1928, 50: 219-78.—**Mahdihassan, S.** The males of lac and pseudo-lac insects. Zschr. wiss. Zool., 1931, 138: 371-85.—**Maziarski, S.** Sur le tissu musculaire des insectes; les éléments contractiles dans les couches musculaires du tube digestif des tipulines. Bull. internat. Acad. polon. sc., 1927, 785-822, 2 pl.—**Montalenti, G.** Sulla permeabilità della membrana peritrofica dell'intestino degli insetti. Boll. Soc. ital. biol. sper., 1931, 6: 89-94.—**Nitzulescu, V.** Contributions à l'étude de l'appareil buccal et de la pompe salivaire chez les insectes. Bull. Soc. path. exot., Par., 1927, 20: 980-6.—**Rees, B. E.** Morphology of certain mecopteroid types. Abstr. Diss. Stanford Univ., 1938-39, 14: 15-8.—**Roonwal, M. L.** On a new law of the bi-triangular medial concentration of the cephalic appendages in the Chilopoda and the Insecta. J. Morph., 1939, 64: 1-8.—**Sihler, H.** Die Sinnesorgane an den Cerci der Insekten. Zool. Jahrb., Abt. Anat., 1923-24, 45: 519-80, 4 pl.—**Thor, S.** Norwegianische Bdellidae III und einige Bemerkungen über Haare, Chitinleisten und Schilder am Cephalothorax. Zool. Anz., 1928, 77: 213-9.

Behavior and sociology.

See also under names of social insects as *Ant*; *Bee*, etc.

WHEELER, W. M. Social insects; their origin and evolutions. 378p. 8° Lond., 1928.

Balfour-Browne, F. The evolution of social life in insects. J. R. Micr. Soc., Lond., 1936, 56: 1-11.—**Becquaert, J. C., & Carpenter, F. M.** The antiquity of social insects. Psyche J. Entom., 1941, 48: 50-5.—**Brown, R. W.** Concerning the antiquity of social insects. Ibid., 105-10.—**Delves Broughton, L. R.** Vom Leben der Bienen und Termiten. Imago, Wien, 1928, 14: 142-6.—**Dubois, R.** L'invention chez les insectes. Bull. Inst. gén. psychol., Par., 1920, 20: 193.—**Emerson, A. E.** Basic comparisons of human and insect societies. Biol. Sympos., Lanc., 1942, 8: 163-76.—**Ezhikov, T.** Individual variability and dimorphism of social insects. Am. Natur., 1934, 68: 333-44.—**Hannes, F.** Ueber die verschiedenen Arten des Lernens der Honigbiene und der Insekten überhaupt. Zool. Jahrb., Abt. allg. Zool., 1930, 47: 89-150.—**Light, S. F.** The determination of the castes of social insects. Q. Rev. Biol., 1942, 17: 312; passim.—**Necheles, H.** Observations on the causes of night activity in some insects. Chin. J. Physiol., 1927, 1: 143-56.—**Park, T.** Integration in infra-social insect populations. Biol. Sympos., Lanc., 1942, 8: 121-38.—**Plath, O. E.** Insect societies. In Handb. Social Psychol. (Murchison, C.) Worcester, 1935, 83-141.—**Raignier, A.** Un cas typique d'adoption: Polyergus 9 = rufa 8. Biol. Zbl., 1930, 50: 26-31.—**Schneirla, T. C.** Social organization in insects, as related to individual function. Psychol. Rev., 1941, 48: 465-86.—**Spillman, R.** Are insects people? J. Hered., 1942, 33: 23.—**Steiner, A.** Neuere Untersuchungen über die Arbeitsteilung bei Insektenstaaten. Erg. Biol., 1934, 10: 156-76.—**Williams, C. B.** The influence of moonlight on the activity of certain nocturnal insects, particularly of the family Noctuidae, as indicated by a light trap. Philos. Tr. R. Soc. London, 1936, ser. B, 226: 357-89.

Biochemistry.

Courtois, A. Sur la teneur élevée de l'azote non protéique chez les insectes. C. rend. Acad. sc., 1930, 190: 1237-9.—**Craig, R., & Hoskins, W. M.** Insect biochemistry. Annual

Rev. Biochem., 1940, 9: 617-40.—Giral, F. Sobre aceites de insectos; Taeniopoda auricornis. Rev. Soc. mex. hist. natur., 1941, 2: 243-50.—Koyama, M. Studien über den Cholesterinstoffwechsel im tierischen Organismus; morphologische Untersuchung der Fette bei Insekten. Tr. Jap. Path. Soc., 1928, 18: 229-31.—Kühnelt, W. Ein Beitrag zur Histochemie des Insekten skelettes. Zool. Anz., 1928, 75: 111-3.—Slifer, E. H. Insect development; fatty acids in the grasshopper egg. Physiol. Zool., 1930, 3: 503-18.—Timon-David, J. Sur quelques huiles d'insectes. C. rend. Soc. biol., 1927, 96: 1225-7.—Gouzon, B. Sur la biochimie des aphidiens du térébinthe. Ibid., 1935, 120: 164-6.—Yeager, J. F., & Munson, S. C. Histochemical detection of glycogen in blood cells of the southern armyworm, *Prodenia eridania*, and in other tissues, especially midgut epithelium. J. Agr. Res., 1941, 63: 257-94, 14 pl.

Biology.

VALISNIERI, A. Esperienze ed osservazioni intorno all'origine, sviluppi, e costumi di vari insetti, con altre spettanti alla naturale, e medica storia. 232p. 24½cm. Padua, 1713.

WIGGLESWORTH, V. B. The principles of insect physiology. 434p. 25½cm. N. Y. [1939]

Andrews, E. A. Honeydew reflexes. Physiol. Zool., 1930, 3: 467-84.—Auger, D., & Fessard, A. Sur les mouvements rythmiques observables chez certains insectes après décapitation. C. rend. Soc. biol., 1935, 119: 15.—Brown, F. A., jr., & Meglitsch, A. Comparison of the chromatophoretic activity of insect corpora cardiaca with that of crustacean sinus glands. Biol. Bull., 1940, 79: 109-18.—Buchmann, W. Ueber einige physiologische Probleme der Verdauung bei Insekten. Zschr. Desinfekt., 1928, 20: 177-82.—Carus, Discovery of a circulation in insects. Month. J. Foreign Med., 1828, 1: 210-2.—Crow, S. The sensitivity of the legs of certain *Calliphoridae* to saccharose. Physiol. Zool., 1932, 5: 16-35.—Fraenkel, G. Untersuchungen über die Koordination von Reflexen und automatisch-nervösen Rhythmen bei Insekten; das Problem des gerichteten Atemstromes in den Tracheen der Insekten. Zschr. vergl. Physiol., 1932, 16: 418-43.—Untersuchungen über die Koordination von Reflexen und automatisch-nervösen Rhythmen bei Insekten; über die nervösen Zentren der Atmung und die Koordination ihrer Tätigkeit. Ibid., 444-62.—Gobeil, A. R. La diapause chez les tenthréides. Canad. J. Res., 1941, 19: Sect. D. 363; 363.—Heuschmann, O. Ueber die elektrischen Eigenschaften der Insektenhaare (neue Gesichtspunkte zu den Untersuchungen von Exner an Federn und Säugetierhaaren) Zschr. vergl. Physiol., 1929, 10: 594-664.—Hoskins, W. M., & Craig, R. Recent progress in insect physiology. Physiol. Rev., 1935, 15: 525-96.—Imms, A. D. On growth processes in the antennae of insects. Q. J. Micr. Sc., Lond., 1938-39, 81: 585-93.—Ivanov, P. P., & Mescherskaia, K. A. [Physiological difference between the ovaries of adult and of young insects, and the cyclic changes of their properties] Arkh. biol. nauk, 1935, 37: 785-826. Also Zool. Jahrb., Abt. allg. Zool., 1935, 55: 281-348.—Lepage, H. S. Insectes etc. Biologico, S. Paulo, 1940, 6: 259-65.—Oka, H. Ein interessanter Fall von Körperkrieger bei Insekten. Zool. Anz., 1926, 68: 205-8.—Paillet, A., & Noël, R. Recherches histophysiologiques sur le tissu adipeux des larves d'insectes. Bull. histol. appl., Par., 1928, 5: 1-20.—Pflugfelder, O. Weitere experimentelle Untersuchungen über die Funktion der Corpora allata von *Dixippus morosus* Br. Zschr. wiss. Zool., 1938, 151: 149-91.—Portier, P. Respiration et locomotion aérienne chez les insectes. C. rend. Soc. biol., 1930, 105: 687-9.—Biologie des insectes marins. Rev. sc., Par., 1932, 70: 97-106.—& Rorthays, R. de. Interprétation de la constance de poids que présentent certaines chrysalides pendant une longue période de leur existence. C. rend. Soc. biol., 1928, 99: 1950-8.—Prebble, M. L. The diapause and related phenomena in *Gilpinia polytoma* Hartig. Canad. J. Res., 1941, 19: Sect. D. 350-62; 417-36.—Pringle, J. W. S. The motor mechanism of the insect leg. J. Exp. Biol., Lond., 1939, 16: 220-31.—Prüffer, J. Untersuchungen über die Innervierung der Fühler bei *Saturnia pyri* L. Zool. Jahrb., Abt. Anat., 1929, 51: 1-46, 7 pl.—Stäger, R. Beiträge zur Biologie von *Messor barbarus* L., *Messor instabilis* var. *bouvieri* Bondroit und *Pheidole pallidula* Nyl. Zschr. wiss. Insektb., 1928, 23: 65-94.—Strelnikov, I. D. Influence des radiations solaires sur la température du corps des insectes. C. rend. Acad. sc., 1931, 92: 1317-9.—Wheeler, W. M. The physiognomy of insects. Q. Rev. Biol., 1927, 2: 1-36.—Wolf, E. Postural reactions of insect antennae. Biol. Bull., 1940, 78: 1-8.

Bite and sting.

See also Bite; also under names of insects.

HALPERIN, L. *Ueber tödliche Wirkung der Bienen- und Wespenstiche. 26p. 8° Stettin/Basel, 1936.

KOWALSKI, B. *Contribution à l'étude des accidents anaphylactiques par piqûres d'hyménoptères porte-aiguillons. 43p. 24½cm. Par., 1939.

Ayerza, L., Agustoni, C. B., & Chavarri, M. A. A propósito de 2 picaduras de artrópodos. Sem. méd., B. Air., 1934, 41: pt 2, 1701-4.—Barry, J. R. Insect bite followed by gas gangrene in a diabetic; report of a case. N. England J. M., 1935, 212: 198.—Bricout. Piqûre de mouche pendant le travail; loi de 1898 inapplicable. Rec. spéc. accid. trav., 1935, 35: 314.—Brown, O. H. Wasp and bee stings. Lancet, Lond., 1941, 2: 440.—Dakshinamurthy, V. M. Bhongarra and their bites. Ind. Vet. J., 1942-43, 19: 39.—Del Vecchio, G. Gli insetti pungenti e la loro posizione di fronte agli infortuni sul lavoro. Arch. antrop. crim., Tor., 1936, 56: Suppl., 225-31.—Deoki, S. A midnight adventure. Native M. Pract., Suva, 1933, 2: 209.—Fätzer, H. Schwere thrombopenische Purpura nach Insektenstich. Fol. haemat., Lpz., 1939, 63: 145-54.—Faust, E. C. Bee, wasp, hornet and ant sting; bee allergy. In Modern Med. Ther. (Barr, D. P.) Balt., 1940, 2: 1978.—Figley, K. D. Allergy from hypersensitivity to insects; early medical history. Ohio M. J., 1940, 36: 66.—Glaubersohn, S. A. Zur Frage der Allergosen (Dermatitis durch Insektenstich) Derm. Wschr., 1931, 93: 1770.—Gougerot & Itag. Faux charbons par piqûres venimeuses. Paris méd., 1933, 87: 51-3.—Hase, A. Beiträge zur experimentellen Parasitologie; über Verfahren zur Untersuchung von Quaddeln und anderen Hauterscheinungen nach Insektenstichen. Zschr. angew. Entom., 1926, 12: 243-97.—Ueber die Wirkungen der Stiche blutsaugender Insekten. Münch. med. Wschr., 1929, 76: 107-9.—Hecht, O. Ueber Insektenstiche. Derm. Wschr., 1929, 88: 793; 839.—Die Hautreaktionen auf Insektenstiche als allergische Erscheinungen. Zool. Anz., 1930, 87: 94; 145; 231.—Hautreaktionen auf die Stiche blutsaugender Insekten und Milben als allergische Erscheinungen. Zbl. Haut. Geschlkr., 1933, 44: 241-55.—Heriot, A. D. The renewal and replacement of the styles of sucking insects during each stadium, and the method of penetration. Canad. J. Res., 1934, 11: 602-12.—Insect bites. Brit. M. J., 1940, 2: 391.—Kalk, H. Selbstbeobachtungen bei einem Insektenstich. Deut. med. Wschr., 1930, 62: 1587.—Kattwinkel, E. E. Hypersensitivity to insect bites. J. Am. M. Ass., 1942, 120: 871.—Kemper, H. Unsere bisherigen Kenntnisse über den Zusammenhang von intrazellulärer Symbiose und Stielwirkung bei blutsaugenden Arthropoden. Zschr. Desinfekt., 1928, 20: 110-3.—Beobachtungen über die Wirkung von Insektenstichen. Arch. Derm. Syph., Berl., 1930, 161: 127-45.—Klieneberger, C. Insektenstich, Gesichtrose, Staphylokokkensepsis, Tod eines Steingrubenarbeiters, Unfallbeziehung. Med. Klin., Berl., 1932, 28: 1716.—Mosquito (A) bite as an accident. Brit. M. J., 1940, 1: 234.—Pagniez, P. Recherches sur l'hypersensibilité aux piqûres de moustiques et de puces. Presse méd., 1940, 48: 798.—Rubegni, R., & Scimone, I. Osservazioni su alcuni casi di ipersensibilità alle punture di zanzare e di pulci. Minerva med., Tor., 1939, 30: pt 2, 461-6.—Schneider, O. Subtropische unter dem Bilde der Syphilis oder des Sodokufiebers verlaufende Insektenstichinfektion. Arch. Schiffs Tropenhyg., 1931, 35: 109.—Solomon, C. Insect bites, bees, wasps, hornets, flies, mosquitoes, fleas, bedbugs. In Ther. Infancy (Litchfield H. R., & al.) Phila., 1942, 1: 138.—Strong, J. C., jr. Case of bilateral optic atrophy following insect bite. Am. J. Ophth., 1939, 3. ser., 22: 906.—Thielepape, I. Anaphylaktischer Schock durch Insektenstich. Münch. med. Wschr., 1934, 81: 1638.—Wilde, H. Hautveränderungen durch Insektenstiche und -bisse. Med. Klin., Berl., 1939, 35: 1003-5.

Bite: Treatment.

HENKEL, P. *Therapie bei Insektenstichen. 20p. 8° Würzburg, 1929.

Benson, R. L. Diagnosis of hypersensitivity to the bee and to the mosquito; with report on successful specific treatment. Arch. Int. M., 1939, 64: 1306-27.—Bergmann, R. M., jr. Zur Behandlung von Bienen-, Wespen- und anderen Insektenstichen mit Panthesinbalsam. Münch. med. Wschr., 1936, 83: 1172.—Bertwistle, A. P. Antistreptococcal serum for insect bites. Brit. M. J., 1928, 2: 342.—Eckstein, F. Prophylaxe und Therapie bei Insektenstichen. Ther. Gegenwart, 1936, 77: 302-6.—Flury, F. Zur Therapie der Insektenstiche. Med. Klin., Berl., 1935, 31: 972-4.—Hoffman, W. A. The effect of chloroform on some insect bites. Science, 1941, 94: 66.—Keller, R. Ueber Behandlung von Insektenstichen. Münch. med. Wschr., 1933, 80: 1186.—McIvor, B. C., & Cherney, L. S. Studies in insect bite desensitization. Am. J. Trop. M., 1941, 21: 493-7.—Roxburgh, A. C. The treatment of insect bites and stings. Lancet, Lond., 1927, 1: 1146.—Schapschal, I., Serjakoff, S., & Kifaloff, I. Die Behandlung der Insektenstiche. Schweiz. med. Wschr., 1940, 70: 374.

Breeding.

Andersen, K. T. Der Einfluss der Umweltbedingungen (Temperatur und Ernährung) auf die Eierzeugung und Lebensdauer eines Insekts (*Sitona lineata* L.) mit postmetabolischer Entwicklung und langer Legezeit. Zschr. angew. Entom., 1933, 20: 85-116.—Experimentelle Untersuchungen über den Einfluss der Temperatur auf die Eierzeugung von Insekten; Einfluss konstanter Temperaturen auf die Eierzeugung von *Sitona lineata* L. und *Calandra granaria* L. Biol. Zbl., 1935, 55: 571-90.—Crombie, A. C. The effect of crowding upon the oviposition of grain-infesting insects. J. Exp. Biol., Lond., 1942, 19: 311-40.—Friederichs, K. Zu den Meinungsverschiedenheiten über die Bewertung der einzelnen die Vermehrung von Insekten begrenzenden Faktoren. Anz.

Schädlingsk., 1931, 7: 77-80.—Hase, A. Ueber Temperaturversuche mit den Eiern der Mehlmotte (*Ephestia kuehniella* Zell.). Arb. Biol. Reichsanst., 1926-27, 15: 109-33.—Heymons, R. Ueber Eischalensprenger und den Vorgang des Schlüpfens aus der Eischale bei den Insekten. Biol. Zbl., 1926, 46: 51-63.—Hornberger, F. Die Copula der *Aeschna cyanea* L. Jena. Zschr. Naturwiss., 1917-18, 55: 497-536, 2 pl.—Johnson, C. G. The absorption of water and the associated volume changes occurring in the eggs of *Notostira erratica* L. (Hemiptera, Capsidae) during embryonic development under experimental conditions. J. Exp. Biol., Lond., 1937, 14: 413-21.—Kerenski, J. Beobachtungen über die Entwicklung der Eier von *Anisoplia austriaca* Reitt. Zschr. angew. Entom., 1930, 16: 178-88.—King, R. L., & Slifer, E. H. Maturation and early development of unfertilized grasshopper eggs. J. Morph., 1934, 56: 603-19, 2 pl.—Krause, G. Die Eitypen der Insekten. Biol. Zbl., 1930, 59: 495-536.—Krüger, F. Lebendig gebärende Insekten; Anpassung an die Viviparität. Natur. Lpz., 1927, 18: 153.—Lebendig gebärende Insekten; Ursachen der Viviparität bei Insekten und ihre biologische Bedeutung. Ibid., 176-8.—Sikes, E. K., & Wigglesworth, V. B. The hatching of insects from the eggs, and the appearance of air in the tracheal system. Q. J. Micr. Sc., Lond., 1930-31, 74: 165-92.—Sister Monica. Eggs of stick insects. Nature, Lond., 1938, 141: 1039.—Slifer, E. H., & King, R. L. Insect development; early stages in the development of grasshopper eggs of known age and with a known temperature history. J. Morph., 1934, 56: 593-601, pl.—Smith, H. S., & De Bach, P. The measurement of the effect of entomophagous insects on population densities of their hosts. J. Econ. Entom., 1942, 35: 845-9.—Steiner, A. Die Temperaturregulierung im Nest der Feldwespe (*Polistes gallica* var. *biglumis* L.) Zschr. vergl. Physiol., 1929-30, 11: 461-502.

— Cultivation.

See also **Entomology, Methods.**

BRUES, C. T., & MELANDER, A. L. Classification of insects; a key to the known families of insects and other terrestrial arthropods. 672p. 8°. Cambr., 1932.

Forms Bull. Mus. Comp. Zool. Harvard, 1932, 73:

Fraenkel, G., & Blewett, M. Biotin, B₁, riboflavin, nicotinic acid, B₆, and pantothenic acid as growth factors for insects. Nature, Lond., 1942, 150: 177.—Hase, A., & Hoffmann, C. Ein verbessertes Verfahren zur schnellen Massenfütterung blutsaugender Insekten. Zschr. Parasitenk., 1936-37, 9: 677-9.—Koch, A. Ueber künstlich symbiontenfrei gemachte Insekten. Verh. Deut. zool. Ges., 1933, 35: 143-50.—Medler, J. T. A convenient cage for confining insects to plants. J. Econ. Entom., 1942, 35: 283.—Swingle, M. C., & Phillips, A. M. An insect rearing box with electric barriers. Ibid., 603.—Titschack, E. Experimentelle Untersuchungen über den Einfluss der Massenzucht auf das Einzeltier. Zschr. angew. Entom., 1937, 23: 1-64.—Wilhelmi, J. Versuchs- und Zucht-räume für Fliegen und Mücken; Apparaturen zur Fliegen- und Mückenvernichtung. Zschr. Desinfekt., 1927, 19: 117-20.

— Cuticle.

ONSLow, H. On a periodic structure in many insect scales, and the cause of their iridescent colours. 74p. 29cm. Lond., 1923.

Carpenter, G. D. H. Physiology and ecology of cuticle colour in insects. Nature, Lond., 1941, 148: 693.—Fraenkel, G., & Rudall, K. M. A study of the physical and chemical properties of the insect cuticle. Proc. R. Soc., Lond., ser. B, 1940-41, 129: 1-35, 3 pl.—Hasebroek, K. Ueber den Industrie- und Großstadtmelanismus der Schmetterlinge. Zschr. induct. Abstamm., 1929, 50: 201-18.—Hoop, M. Häutungshistologie einiger Insekten. Zool. Jahrb., Abt. Anat., 1933, 57: 433-64.—Hurst, H. Permeability of insect cuticle. Nature, Lond., 1940, 145: 462.—Mason, C. W. Structural colors in insects. J. Phys. Chem., 1927, 31: 321-54.—Pryor, M. G. M. On the hardening of the cuticle of insects. Proc. R. Soc., Lond., Ser. B, 1939-40, 128: 393-407, pl.—Richards, A. G., jr., & Anderson, T. F. Electron microscope studies of insect cuticle, with a discussion of the application of electron optics to this problem. J. Morph., 1942, 71: 135-83, 6 pl.—Trim, A. R. Studies in the chemistry of the insect cuticle; some general observations on certain arthropod cuticles with special reference to the characterization of the proteins. Biochem. J., Lond., 1941, 35: 1088-98.—Tschirwinsky, P. Gibt es ein Gleichgewicht der Farben bei Schmetterlingen? Biol. Zbl., 1926, 46: 229-31.—Uvarov, B. P. Properties of cuticle and insect ecology. Nature, Lond., 1942, 149: 109.

— Diseases and parasites.

GARCÍA MERCET, R. Los parásitos de los insectos perjudiciales. 151p. 8°. Barcel., 1932.

Boese, G. Der Einfluss tierischer Parasiten auf den Organismus der Insekten. Zschr. Parasitenk., 1935-36, 8: 243-84.—Boubaud, E. Sur un champignon entomophyte parasite des fourmis en Afrique Equatoriale. Bull. Soc. path. exot., Par., 1926, 19: 815-9.—Davies, W. M. Methods for collecting parasites of earwigs. Bull. Entom. Res., Lond.,

1926-27, 17: 347-50, pl.—De Bach, P., & Smith, H. S. The effect of host density on the rate of reproduction of entomophagous parasites. J. Econ. Entom., 1941, 34: 741-5.—Fuchs, G. Die Parasiten einiger Rüssel- und Borkenkäfer. Zschr. Parasitenk., 1929, 2: 248-85 [Bemerkungen von Wülker] 286-90.—Hachfeld, G. Ueber die Biologie und Metamorphose einer bei *Trachusa serratalae* Pz. schwarzrotzenden Meloide. Zschr. wiss. Insektb., 1928, 23: 177-90.—Hamre, C., & Nichols, M. S. Exophthalmia in trout-fly. Proc. Soc. Exp. Biol., N. Y., 1928-29, 26: 63-5.—Hollande, A. C., & Gely, M. La formation des nodules leucocytaires tuberculeux chez l'insecte. C. rend. Soc. biol., 1929, 102: 384.—Keilin, D. On *Ceolomyces stegomyiae* and *Zografina notonectae*, fungi parasitic in insects. Parasitology, Lond., 1927, 19: 365-7.—Kováčević, Z. Der Ringelspinner und der Schwammspinner und ihre Parasiten. Anz. Schädlingk., 1926, 2: 93.—Lal, K. B. Parasitism in insects. Current Sc., Bangalore, 1939, 8: 55-9.—Metalnikov, S., & Chorine, V. Maladies microbiennes chez les pyrales de maïs (*Pyrausta nubilalis* Hübn.) Ann. Inst. Pasteur, Par., 1928, 42: 1635-60; 1929, 43: 136-51.—Needham, N. V. A bacterial disease of *Aphis rumicis* Linn., apparently caused by *Bacillus Manni* and Taubenhaus. Ann. Appl. Biol., Lond., 1937, 24: 144-7.—Poisson, R. Contribution à la connaissance des laboulbénies parasites des insectes hémiptères hydrocoris; *Paracoreomyces thaxteri* gen. nov., sp. nov. laboulbénie parasite de *Stenocoris protrusa* Horv. C. rend. Acad. sc., 1929, 188: 824-6.—Salt, G. Experimental studies in insect parasitism; the effect of superparasitism on populations of *Trichogramma evanescens*. J. Exp. Biol., Lond., 1936, 13: 363-75.—Scott, H. Some malformations of the aedeagus and cases of probable parasitic castration in coleoptera of the family Anobiidae. Parasitology, Lond., 1925, 17: 176-86.—Semans, F. M. Protozoan parasites of the Orthoptera, with special reference to those of Ohio; protozoan parasites in relation to the host and to host ecology. Ohio J. Sc., 1941, 41: 457-64.—Thompson, W. R. La spécificité des parasites entomophages. C. rend. Soc. biol., 1913, 75: 559.—& Parker, H. L. The problem of host relations, with special reference to entomophagous parasites. Parasitology, Lond., 1927, 19: 1-34.—Voukassovitch, P. Observations biologiques sur quelques parasites des pucerons du rosier et leurs hyperparasites. C. rend. Soc. biol., 1925, 93: 655.—Observations sur les parasites et hyperparasites du papillon *Psammodis hyalinialis* Hb. Ibid., 1927, 96: 235-7.—Observations biologiques sur *Rhodites rosa* L. et ses parasites. Ibid., 1928, 98: 1148-50.

— Ecology and bionomics.

CANTRALL, I. J. The ecology of the Orthoptera and Dermaptera of the George Reserve, Michigan. 182p. 25½cm. Ann. Arb., 1943.

LENGERKEN, H. VON. Die Salzkäfer der Nord- und Ostseeküste mit Berücksichtigung der angrenzenden Meere sowie des Mittelmeeres, des Schwarzen und des Kaspischen Meeres. 162p. 8°. Lpz., 1929.

Forms Zschr. wiss. Zool., 1929, 135:

LEONARD, M. D. A list of the insects of New York, with a list of the spiders and certain other allied groups. 1121p. 8°. Ithaca, 1926.

Beall, G. Methods of estimating the population of insects in a field. Biometrika, Cambr., 1938-39, 30: 422-39, tab.—Bodenheimer, F. S. Welche Faktoren regulieren die Individuenzahl einer Insektenart in der Natur? Biol. Zbl., 1928, 48: 714-39.—Bolivar y Pieltain, C. Estudio de un nuevo zoráptero de México. An. Esc. cienc. biol., Méx., 1939, 1: 515-23, incl. 2 pl.—Sobre algunos insectos alpinos de los volcanes de México. Rev. Soc. mex. hist. natur., 1939-40, 1: 175-7.—Bondar, G. A entomologia das flores de palmeiras. Proc. Am. Sc. Congr. (1940) 1942, 8. Congr., 3: 297-302.—Bremer, H. Grundsätzliches über den Massenwechsel von Insekten. Zschr. angew. Entom., 1928, 14: 254-72.—Burke, F. Insect fauna of a brine-pit. Nature, Lond., 1942, 150: 610.—Buxton, P. A. Terrestrial insects and the humidity of the environment. Biol. Rev. Cambridge Philos. Soc., 1932, 7: 275-320.—Cockerell, T. D. A. The insects of the Californian islands. Proc. Pacific Sc. Congr. (1939) 1940, 6. Congr., 4: 283-95.—Dampf, A. Notas sobre la fauna entomológica de la cuenca del río Balsas. Tr. Panamer. M. Congr. (1931) 1933, 3. Congr., 838.—Edwards, E. E. A survey of the insect and other invertebrate fauna of permanent pasture and arable land of certain soil types at Aberystwyth. Ann. Appl. Biol., Lond., 1929, 16: 299-323.—Eidmann, H. Zur Theorie der Bevölkerungsbewegung der Insekten. Anz. Schädlingk., 1937, 13: 25; 47.—Esaki, T. A preliminary report on the entomological survey of the Micronesian Islands under the Japanese mandate, with special reference to the insects of economic importance. Proc. Pacific Sc. Congr. (1939) 1940, 6. Congr., 4: 407-15.—Escherich, K. Zur Bionomie und Ökologie des Kieferngraurüsslers (*Brachyderes incanus* L.) Anz. Schädlingk., 1936, 12: 52-4.—Essig, E. O. Man's influence on insects. Sc. Month., 1929, 28: 499-506.—Fraenkel, G. Die Wanderungen der Insekten. Erg. Biol., 1933, 9: 1-238.—Freeman, J. A. Composition of the aerial insect fauna up to 300 ft. Nature, Lond., 1938, 142: 153.—Friederichs, K. Welche Faktoren regeln die Individu-

enzahl einer Insektenart in der Natur? Anz. Schädlingssk., 1929, 5: 119-23. — Noch einiges über die Ursachen stärkeren oder schwächeren Auftretens von Insektenarten. Ibid., 1930, 6: 25. — **Glick, P. A.** Insect population and migration in the air. Pub. Am. Ass. Advance. Sc., 1942, No. 17, 88-98. — **Grandi, G.** Plasticità somatica: morfologia ed etologia in insetti viventi in particolari condizioni di segregazione. Mem. Accad. sc. Ist. Bologna, 1928-29, ser. 8, 6: 89-105, 2 pl. — **Howell, T.** Notes on Ephemeroptera and aquatic Diptera of western North Carolina. J. Elisha Mitchell Sc. Soc., 1941, 57: 306-17. — **Ide, F. P.** Quantitative determination of the insect fauna of Rapid Water. Univ. Toronto Stud., Biol. Ser., 1940, No. 47, 7-20, 4 pl. — **Janisch, E.** Die Lebens- und Entwicklungsdauer der Insekten als Temperaturfunktion. Zschr. wiss. Zool., 1928, 132: 176-86. — **Kalmus, H.** The survival and change of weight on sugar-water mixtures of drosophila mutants and species of different body colour. J. Genet., Camb., 1942, 44: 194-203. — **Lienhart, R.** Faunule entomologique des vallons froids de la forêt de Haye. C. rend. Soc. biol., 1926, 94: 1251. — **Netolitzky, F.** Einige Regeln in der geographischen Verbreitung geflügelter Käferrassen. Biol. Zbl., 1931, 51: 277-90. — **Patrii, H. O. E.** Sind Hymenopteren und Orthopteren an bestimmte geologische Formationen gebunden? Ber. Oberhess. Ges. Natur Heilk., naturwiss. Abt., 1936, 17: 109-13. — **Reh, L.** Ueber die Ursachen stärkeren und schwächeren Auftretens von Insekten. Anz. Schädlingssk., 1930, 6: 1-3. — **Schedl, K. E.** Scolytidae, Coptonotidae y Platypodidae mexicanos. An. Esc. nac. cienc. biol., Méx., 1939, 1: 317-77, incl. 3 pl. — **Silvestri, F.** Elenco dei miriapodi, tisanuri, termitidi ed embiidi, raccolti all'isola d'Elba e di Pianosa. Boll. Mus. zool. Torino, 1905, 20: No. 501, 1. — **Smaragdova, N. P.** [Experimental study of insect population] Usp. sovrem. biol., 1939, 10: 165-7. — **Smith, H. S.** The rôle of biotic factors in the determination of population densities. J. Econ. Entom., 1935, 28: 873-98. — **Smith, R. C.** Annual insect population records, with special reference to the Kansas summary. Ibid., 1938, 31: 618-22. — **Travassos Filho, L.** Notas de uma expedição realizada de fevereiro a março de 1940, às localidades de Ilha São, no Estado de São Paulo, e Salobra, no Estado de Mato Grosso. In Papéis avulsos (S. Paulo Secr. Agr. Dep. Zool.) S. Paulo, 1941, 1: 57-63. — **Zimmerman, E. C.** Distribution and origin of some Eastern Oceanic insects. Am. Natur., 1942, 76: 280-307. — **Zwölfer, W.** Studien zur Ökologie und Epidemiologie der Insekten; die Kieferneule, Panolis flammea Schiff. Zschr. angew. Entom., 1930-31, 17: 475-562. — Zur Lehre von den Bevölkerungsbewegungen der Insekten (mit besonderer Rücksicht auf E. Martinis: Zur Terminologie in der Lehre vom Massenwechsel der Organismen) Ibid., 1932, 19: 1-21.

Embryology and growth.

GORDON, I. The development of the calcareous test of *Echinus miliaris*. p.259-312 29cm. Lond., 1926.

SILVESTRI, F. Insect polyembryony and its general biological aspects. p.469-98. 8° Camb., 1937.

Age (The) of insects. Science Leaflet, 1940-41, 14: 675-7. — **Balzam, N.** Recherches sur le métabolisme chimique et énergétique au cours du développement des insectes; relations entre la chaleur dégagée et les échanges respiratoires au cours du développement postembryonnaire des insectes. Arch. internat. physiol., Liège, 1933, 37: 317-28. — **Bodenstein, D.** Das Determinationsgeschehen bei Insekten mit Ausschuss der frühembryonalen Determination. Erg. Biol., 1936, 13: 174-234. — **Cappe de Baillon, P.** Diplogénèses et formations multiples chez les insectes. Bull. biol. France, 1929, 63: 456-85. — Les anomalies de la segmentation chez les phasmes, *Carausius furellatus* Pant. Ibid., 1939, 73: 257-74. — **Davidson, J.** On the speed of development of insect eggs at constant temperatures. Austral. J. Exp. Biol., 1942, 20: 233-9. — **Dehn, M. von.** Untersuchungen über die Bildung der peritrophischen Membran bei den Insekten. Zschr. Zellforsch., 1933, 19: 79-105. — **Friederichs, K. & Steiner, P.** Licht und Insektenentwicklung. Zbl. Bakt., 2. Abt., 1930, 80: 71-7. — **Hering, M.** Die peritrophischen Hüllen der Honigbiene mit besonderer Berücksichtigung der Zeit während der Entwicklung des imaginalen Darmes; ein Beitrag zum Studium der peritrophischen Membran der Insekten. Zool. Jahrb., Abt. Anat., 1939, 66: 129-90. — **Howard, L. O.** Ageing of insects. In Probl. Ageing (Cowdry, E. V., 2. ed., Balt., 1942, 49-65. — **Iakhontov, V. V.** [Polyembryonia (herminogenia) in insects] Usp. sovrem. biol., 1940, 13: 500-6. — **Kennedy, C. H.** The exoskeleton as a factor in limiting and directing the evolution of insects. J. Morph., 1927, 44: 267-312. — **Kopeč, S.** Ueber die Entwicklung der Insekten unter dem Einfluss der Vitaminzugabe. Biol. gen., Wien, 1927, 3: 375-84. — **Kühn, A.** Ueber hormonale Wirkungen in der Insektenentwicklung. Deut. med. Wschr., 1937, 63: 1595. — **Ludwig, D.** The effects of temperature on the development of an insect (*Popillia japonica* Newman) Physiol. Zool., 1928, 1: 358-89. — **Malouf, N. S. R.** The rôle of muscular contraction in the production of configurations in the insect skeleton. J. Morph., 1935, 58: 41-85, 5 pl. — **Montalenti, G.** L'origine e la funzione della membrana peritrofica dell'intestino degli insetti. Boll. Ist. zool. Univ. Roma, 1930, 8: 36-64. — **Offhaus, K.** Der Einfluss von wachstumsfördernden Faktoren auf die Insektenentwicklung unter be-

sonderer Berücksichtigung der Phyto-Hormone. Zschr. vergl. Physiol., 1939, 27: 384-128. — **Oka, H.** Experimental studies on the embryonic development of cricket. Annot. zool. jap., 1933-34, 14: 373-6. — **Przibram, H. & Brecher, L.** Wachstumsmessungen an *Tenodera aridifolia* Stoll, einer japanischen Fangheuschrecke. Arch. Entw. mech., 1930, 122: 251-79. — **Rogers, P. V.** Changes in electrical potential of insect pupae prior to emergence. Yale J. Biol., 1941-42, 14: 489-92. — **Seidel, F.** Die Determinierung der Keimanlage bei Insekten; vorläufige Mitteilung. Biol. Zbl., 1926, 46: 321-43. — **Slifer, E. H.** Insect development; blastokinesis in the living grasshopper egg. Ibid., 1932, 52: 223-9. — **Snodgrass, R. E.** The history of an insect's stomach. Annual Rcp. Bd Regents Smithsonian Inst., 1933, 363-87. — **Thomas, A. J.** The embryonic development of the stick-insect, *Carausius morosus*. Q. J. Micr. Sc., Lond., 1935-36, 78: 487-511, 4 pl. — **Thorpe, W. H.** Further studies on pre-imaginal olfactory conditioning in insects. Proc. R. Soc., Lond., 1939, ser. B, 127: 424-33. — **Tichomirow, A.** Aus der Entwicklungsgeschichte der Insekten. In Festschr. 70. Geburt. Rudolf Leuckarts, Lpz., 1892, 337-46, pl. — **Tiegs, O. W.** The embryology and affinities of the symphyla, based on a study of *Hanseniella agilis*. Q. J. Micr. Sc., Lond., 1940-41, 82: 1-225, 9 pl. — **Tirelli, M.** Ipotesi spaziale e meccanica sulla blastocinesi degli insetti. Zool. Jahrb., Abt. allg. Zool., 1931, 49: 59-68, 4 pl. — **Wigglesworth, V. B.** The rôle of hormones in the growth and reproduction of insects. Rep. Brit. Ass. Advance. Sc., 1937, 107: 371. — The significance of chromatic droplets in the growth of insects. Q. J. Micr. Sc., Lond., 1941-42, 83: 141-52.

Examination.

Fox, I. The use of eosine in mounting fleas and other arthropods on slides. Science, 1942, 96: 478. — **Hugmann, L. E.** A method for injecting insect tracheae permanently. Stain Techn., 1940, 15: 115-8. — **Hollande, A. C.** Coloration vitale du corps adipeux d'un insecte phytophage par une anthocyane absorbée avec la nourriture. Arch. zool. exp., Par., 1913, 40: notes rev., 53-8. — **Massopust, L. C.** Photography of the pneumo-muscular system of insects. J. Biol. Photogr. Ass., 1939-40, 8: 126, pl. — **Milne, P. S.** A device for the rapid counting of large numbers of small insects. Bull. Entom. Res., Lond., 1936, 27: 269-71, pl. — **Riley, W. A.** Caustic potash preparations of insects and insect parts. Tr. Am. Micr. Soc., 1936, 55: 510-2. — **Schmidt, W. J.** Ueber pleochroitische Fettfäden auf den Nadeln gespicster Insekten. Kolloid. Beih., 1926, 23: 51-63.

Extermination and control.

See also Disinfestation; Insecticide; Mosquito, Control; also under names of insects as *Cimicidae*, Extermination, etc.

BRAIN, C. K. Insect pests and their control in South Africa. 468p. 8° Cape Town, 1929.

HARDENBERGH, W. A., & BLEW, M. J. Chemistry, bacteriology, insect control. 71p. 19½cm. Scranton, Pa. [1941]

Baillie, M. A. War declared on pests! Mod. Hosp., 1940, 55: No. 5, 102. — **Bock, F.** Versuche über den Gaswechsel bei Insekten und deren Bedeutung für Fragen der angewandten Entomologie. Zschr. angew. Entom., 1930, 16: 357-76. — **Cambessédès, H.** Destruction des mouches et autres insectes. In Année méd. prat., Par., 1939, 18: 313. — **Clark, A. H.** The future balance of life. Sc. Month., 1927, 24: 548-55. — **Hase, A.** Physiologische und ökologische Forschungen als Grundlagen praktischer Massnahmen. Anz. Schädlingssk., 1928, 4: 51; 75. — **Headlee, T. J.** The control of economic insects. Agr. Papers Internat. Management Congr., 1938, 7, Congr., 39-41. — **Imms, A. D.** Temperature and humidity in relation to problems of insect control. Ann. Appl. Biol., Lond., 1932, 19: 125-43. — **Jirka, F. J.** Saving human lives by killing insects. In his Am. Doctors of Destiny, Chic., 1940, 182-200. — **Kemper, H.** Ueber den Wert sinnesphysiologischer Untersuchungen für die Bekämpfung gesundheitsschädlicher Insekten. Zschr. Desinfekt., 1930, 22: 601-8. — **Legendre, J.** Entre Charybde et Scylla ou entre la mouche et le moustique. Presse méd., 1934, 42: 430. — **Lever, R. J. A.** Status of economic entomology in the British Solomon Islands. Bull. Entom. Res., Lond., 1933, 24: 253-6. — **Madwar, S.** Aspects of entomology. J. Egypt. M. Ass., 1935, 18: 267-73. — **Meunier, R.** La désinsectisation, base de la défense sanitaire dans la circonscription rurale algérienne et les petits ports. Bull. san. Algérie, 1937, 32: 1417-20. — **Munro, J. W.** Place of research in the control of injurious insects. Nature, Lond., 1943, 151: 157-60. — **Osorno Mesa, E.** Los excusados de hoyo y los mosquitos. Salud & san., Bogotá, 1936, 5: No. 45, 8.

Extermination and control: Apparatus and technic.

UNITED STATES. ENTOMOLOGY AND PLANT QUARANTINE BUREAU. Insects in relation to national defense. Circular 20: Devices for insect control. 56 numb. l. 23cm. [Wash.] 1941.

Amchislavsky, I. V. [Construction and application of simplest hot-air disinsectors] *Gig. & zdorov.*, 1942, 7: 24-32.—**Herns, W. B., & Ellsworth, J. K.** Field tests of the efficacy of colored light in trapping insect pests. *J. Econ. Entom.*, 1934, 27: 1055-67.—**Murphy, R. C.** The chair for insects? *Sc. Month.*, 1940, 50: 357-64.—**Nomosquito**; catching insects. *Abridg. Specif. Gt. Britain Patent Off.*, 1936, 1: No. 422, 946.—**Pavlovsky, E. N., & Pervomaisky, G. S.** [Odorous nets as method of protection against gnats] *Sovet. med.*, 1940, No. 16, 24-6.—**Pons, R.** Causerie sur les appareils employés sans la lutte contre les ennemis des cultures. *Bull. sc. pharm., Par.*, 1937, 44: p. 1-lv.—**Radoje, T.** [Disinsection of rooms by hot air] *Voj. san. glasnik*, 1940, 11: 157-64.—**Rouboud, E.** Le vêtement dans les régions chaudes et la défense contre les affections transmises par les insectes suceurs de sang. *Bull. Soc. path. exot., Par.*, 1940, 33: 328-31.—**Timkovsky, V. P., Moskalec, A. S., & Nikolenko, E. F.** [Application of ultra-frequent electric energy in disinsection] *Gig. & zdorov.*, 1942, 7: No. 8, 31-6.—**Wendt.** Moderne Apparate zur Schädlingsbekämpfung. *Anz. Schädlingsk.*, 1930, 6: 27-32.—**Williams, C. B., & Milne, P. S.** A mechanical insect trap. *Bull. Entom. Res., Lond.*, 1935, 26: 543-51, pl.

— Extermination and control: Methods.

BIERZYNSKI, A. *La lutte contre les ectoparasites citadins. 37p. 25 $\frac{1}{2}$ cm. Par., 1939.

CHABELLARD, P. *Contribution à l'étude de la lutte contre les insectes nuisibles de nos habitations [Paris] 42p. 8°. Le Havre, 1931.

HERRICK, G. W., & GRISWOLD, G. H. The fumigation of greenhouses to destroy insect pests. 20p. 8°. Ithaca, 1929.

Bacon, R. F. Pest control. U. S. Patent Off., 1939, No. 2,165,206.—**Beckerich, L. A.** De quelques procédés modernes de prophylaxie des mouches, puces et poux. *Presse méd.*, 1937, 45: 1725.—**Curtis, W. E.** A method of locating insect eggs in plant tissues. *J. Econ. Entom.*, 1942, 35: 286.—**Deno, R. A.** Science wars on insect pests. *J. Am. Pharm. Ass., Pract. Pharm. Ed.*, 1941, 2: 202-5.—**Eckstein, K.** Ueber die Methoden neuerzeitlicher Massregeln gegen Insektenschäden im Walde (mit einem Beispiel) *Anz. Schädlingsk.*, 1926, 2: 5; 15; 32.—**Escherich, K.** Neuezeitliche Bekämpfung tierischer Schädlinge. *Naturwissenschaften*, 1926, 14: 1065-74.—**Gándara, G.** Nuevo procedimiento para combatir insectos nocivos a la agricultura. *Mem. Acad. nac. cienc. Antonio Alzate*, 1940, 54: 491-6.—**Gimingham, C. T.** Some recent contributions by English workers to the development of methods of insect control. *Ann. Appl. Biol., Lond.*, 1940, 27: 161-75.—**Goetze, G., & Schleusener, W.** Versuche zur Bekämpfung der Weidenblattkäfer. *Zschr. Pflanzenkr.*, 1932, 42: 49-58.—**Hardy, E.** Control of obnoxious insects. *Lancet*, Lond., 1941, 1: 435.—**Hoos, W.** Zur Schnakenbekämpfung. *Zschr. Desinfekt.*, 1926, 18: 201-3. — Ungezieferbekämpfung durch die Stadt Frankfurt a. M. *Ibid.*, 1928, 20: 1.—**Insect quarantine.** *Sc. American*, 1940, 163: 13.—**Kaiser, M., & Fried, E.** Die Durchgasung des Kefermarkter Flügeltaltars mit Blausäure (Zyklon B) *Zschr. Desinfekt.*, 1931, 23: 1-12.—**Kurchatov, V. I.** [On the measures in control of ticks and insects, endangering cattle] *Sovet. vet.*, 1940, 17: No. 11, 26-9.—**Legendre, J.** La défense mécanique contre les mouches et les moustiques stercoraires. *Bull. Acad. méd., Par.*, 1933, 3. ser., 110: 589-91.—**Loser, V.** Destroying insects. *Abridg. Specif. Gt. Britain Patent Off.*, 1936, 1: No. 421,674.—**Lutte (La)** contre les mouches et autres insectes nuisibles; techniques et moyens pratiques. *Arch. méd. Angers*, 1933, 37: 148-57.—**Malcev, V. V.** [Possible application of ammonia vapors for disinsection of dwellings] *J. mikrob.*, Moskva, 1942, No. 5, 96.—**Martini, E.** Uebersicht über die Bekämpfung gesundheitsschädlicher Insekten. *Med. Klin., Berl.*, 1932, 28: 552-4.—**Meunier, R.** La désinfection, base de la défense sanitaire dans la circonscription rurale algérienne et les petits ports. *Rev. méd. hyg. trop., Par.*, 1935, 27: 105-13.—**Mitra, S. C.** Notes on a few modern charms for exercising away insect pests. *J. Anthropol. Soc. Bombay*, 1932-36, 15: 499-501.—**Müller, A.** Versuche zur inneren Therapie der Pflanzen (Versuche zur Bekämpfung von Insekten mit beissenden Mundwerkzeugen) *Anz. Schädlingsk.*, 1927, 3: 29; 41.—**Munro, J. W.** The fumigation of stored products affected by insects. *J. R. San. Inst.*, 1933, 53: 578-82.—**Page, A. B. P.** The control of insects on foodstuffs and other raw material by fumigation: the chemical and physical aspects. *Ibid.*, 582-9.—**Paillot, A.** Utilisation des infirmes petits dans la lutte contre les ennemis des cultures. *Sciences, Par.*, 1938, 66: 83-6.—**Pérrot, E.** Coup d'oeil sur les journées de la lutte chimique contre les ennemis des cultures. *Bull. sc. pharm., Par.*, 1937, 44: p. lv-lxx.—**Peters, G.** Wohnraumdurchgasung leichter gemacht. *Umschau*, 1941, 45: 329.—**Pons, R.** Essais de désinsection durable du sol sablonneux des cases au Sénégal. *Bull. Soc. path. exot., Par.*, 1932, 25: 539-42.—**Reichmuth, W.** Die Bekämpfung der Wohnungsmilben. *Zschr. hyg. Zool.*, 1936, 28: 169-76.—**Schuckmann, W. von.** Zur Fliegen- und Mückenbekämpfung. *Zschr. angew. Entom.*, 1926, 12: 332-9. — Ueber Versuche zur praktischen Fliegen- und Mückenbekämpfung. *Ibid.*, 1928, 14: 325-42.—**Searie, N. E., & Tisdale, W. H.** Pest control. U. S. Patent Off., 1940, No. 2,218,181.—**Volk, A.** Versuche zur Bekämpfung von

Erdflohen. *Anz. Schädlingsk.*, 1926, 2: 96-8.—**Wilhelmi, J.** Bekämpfung der Gesundheitsschädlinge und chemische Grossindustrie. *Zschr. Desinfekt.*, 1926, 18: 126-8.—**Peus, F.** Die Bedingungen für die Fliegen- und Stechmückenplage in Siedlungen. *Zschr. Gesundheitst.*, 1933, 25: 471-84.

— Extermination and control: Methods, biological.

SWEETMAN, H. L. The biological control of insects, with a chapter on weed control. 461p. 8°. Ithaca, 1936.

Biologie des insectes. In *Notice Inst. Pasteur Algérie*, 1934, 1: 316-25.—**Bodenheimer, F. S., & Gutfeld, M.** Ueber die Möglichkeiten einer biologischen Bekämpfung von *Pseudococcus citri* Risso (Rhy. Cocc.) in Palästina. *Zschr. angew. Entom.*, 1929, 15: 67-136.—**Howard, L. O.** The parasite element of natural control of injurious insects and its control by man. *Rep. Smithsonian Inst.*, 1926, 411-20.—**Imms, A. D.** The biological control of insect pests and injurious plants in the Hawaiian Islands. *Ann. Appl. Biol., Lond.*, 1926, 13: 402-23, pl.—**Isii, T.** The problems of biological control in Japan. *Proc. Pacific Sc. Congr.* (1939) 1940, 6. Congr., 4: 365-7.—**King, J. L.** The fundamental principles of biological control of insects. *Proc. N. Jersey Mosquito Extern. Ass.*, 1939, 26: 13-20.—**Liebermann, J.** La lucha de insectos contra insectos y su aplicación práctica en la defensa del hombre y de sus industrias. *Reun. Soc. argent. pat. region.* (1929) 1930, 5. meet., 2: 1186-208.—**Marin, A., & Cortés Peña, R.** Introducción de hiperparásitos en Chile; resumen de las importaciones hechas y de sus resultados. *Proc. Pacific Sc. Congr.* (1939) 1940, 6. Congr., 4: 351-7.—**Meier, N. F.** [Theoretical principles of the biological method of control of injurious insects] *Usp. sovrem. biol.*, 1939, 11: 93-123.—**Metalnikov, S.** Utilisation des microbes dans la lutte contre Lymantria et autres insectes nuisibles. *C. rend. Soc. biol.*, 1930, 105: 535-7. — Utilisation des spores dans la lutte contre les insectes nuisibles. *Ibid.*, 1937, 125: 1020-3. — Utilisation des microbes sporogènes pour la lutte contre les insectes nuisibles. *Ann. Inst. Pasteur, Par.*, 1938, 61: 826. — **Metalnikov, S.** Utilisation des bactéries dans la lutte contre les insectes nuisibles aux cotonniers. *C. rend. Soc. biol.*, 1933, 113: 169-72. — Utilisation des microbes dans la lutte contre les insectes nuisibles. *Ann. Inst. Pasteur, Par.*, 1935, 55: 709-60.—**Myers, J. G.** Second report on an investigation into the biological control of West Indian insect pests. *Bull. Entom. Res.*, Lond., 1935, 26: 181-252, pl.—**Neave, S. A.** The control of insect pests by means of parasites. *Nature, Lond.*, 1927, 120: 267.—**Thomson, W. R.** A method for the approximate calculation of the progress of introduced parasites of insect pests. *Bull. Entom. Res.*, Lond., 1926-27, 17: 273-7. — On the effect of random oviposition on the action of entomophagous parasites as agents of natural control. *Parasitology*, Lond., 1929, 21: 180-8.—**Wille, J.** Curinus (Orcus) zonatus Muls. (Coccinellidae) ein Feind der Schildläuse an Orangenbäumen; Beiträge zu seiner Morphologie, Biologie und bekämpfungs-technischen Bedeutung. *Zschr. angew. Entom.*, 1926, 12: 357-75.—**Wille, J. E.** Resumen de las diferentes labores ejecutadas en el Perú para combatir insectos dañinos por el método biológico. *Proc. Pacific Sc. Congr.* (1939) 1940, 6. Congr., 4: 369-71.

— Larvae.

See Larva.

— Medicinal use.

See also such insects as *Blatta*; *Cantharides*, etc.

HOEHN, E. *Pharmakologische und toxikologische Bedeutung der Insekten. 37p. 8°. Würzb., 1931.

Bouquet, H. Le renouveau de l'entomothérapie. *Vie méd.*, 1932, 13: 115.—**Escornel, E.** Un nouveau pseudo-méloïde, insecte médicamenteux du Pérou. *Bull. Soc. path. exot., Par.*, 1926, 19: 198-201.—**Hinman, E. H.** The use of insects and other arthropods in medicine. *J. Trop. M. Hyg., Lond.*, 1933, 36: 128-34.—**Robinson, W.** Some therapeutic uses of insects and their products. *J. Econ. Entom.*, 1937, 30: 41-8.

— Metamorphosis.

See Metamorphosis.

— Microbiology.

See also subheadings (Diseases and parasites; Public health aspect)

STEINHAUS, E. A. Catalogue of bacteria associated extracellularly with insects and ticks. 206p. 21cm. Minneap. [1942]

Bacteriología del intestino de los sifonópteros. *Bol. Of. san. panam.*, 1942, 21: 184.—**Gordon, R. M., & Lumsden, W. H. R.** A study of the behaviour of the mouth-parts of mosquitoes when taking up blood from living tissue; together with some

observations on the ingestion of microfilariæ. *Ann. Trop. M. Parasit.*, Liverpool, 1939, 33: 259-78.—**Mahdihassan, S.** The microorganisms of red and yellow lac insects. *Arch. Protistenk.*, 1929, 68: 613-24, pl.—**Smith, K. M.** Some notes on the relationship of plant viruses with vector and non-vector insects. *Parasitology*, Lond., 1941, 33: 110-6, 2 pl.—**Steinhaus, E. A.** The microbiology of insects; with special reference to the biologic relationships between bacteria and insects. *Bact. Rev.*, Balt., 1940, 4: 17-57. — A study of the bacteria associated with 30 species of insects. *J. Bact.*, Balt., 1941, 42: 757-90.—**Stutzer, M. I.** Ueber die Darmbakterien der Insekten. *Zbl. Bakt.*, 2. Abt., 1929, 77: 44-8.

Nutrition, metabolism, and feeding habits.

Bishop, G. H. Cell metabolism in the insect fat-body; cytological changes accompanying growth and histolysis of the fat-body of the *Apis mellifica*. *J. Morph.*, 1922, 36: 567-94, 3 pl. — Cell metabolism in the insect fat-body; a functional interpretation of the changes in structure in the fat-body cells of the honey-bee. *Ibid.*, 1922-23, 37: 533-53.—**Fröbrich, G.** Untersuchungen über Vitaminbedarf und Wachstumsfaktoren bei Insekten. *Zschr. vergl. Physiol.*, 1939, 27: 335-83.—**Golding, F. D.** Further notes on the food-plants of Nigerian insects. *Bull. Entom. Res.*, Lond., 1940, 31: 127-30.—**Headlee, T. J.** Further studies of the relative effects on insect metabolism of temperatures derived from constant and variable sources. *J. Econ. Entom.*, 1941, 34: 171-4. A continuation of the studies of the relative effects on insect metabolism of temperature derived from constant and varied sources. *Ibid.*, 1942, 35: 785.—**Heß, K. H.** Untersuchungen über die Nahrungsaufnahme der Stabheuschrecke (*Carausius morosus*) *Anz. Schädlinge*, 1936, 12: 49-52.—**Katô, M.** Feeding activity of a grasshopper, *Prumna* sp., widely distributed at Mt. Hakôda; diurnal rhythm of activities in insects and its environmental conditions. *Sci. Rep. Tohoku Univ.*, 1940-41, 4 ser., 15: 191-201.—**Melanby, K.** The evaporation of water from insects. *Biol. Rev. Cambridge Philos. Soc.*, 1935, 10: 317-33. — Humidity and insect metabolism. *Nature*, Lond., 1936, 138: 124.—**Michal, K.** Die Ernährungsweise des Getreideschmalkäfers *Silvanus surinamensis*. *Anz. Schädlinge*, 1926, 2: 67-70.—**Painter, R. H.** The food of insects and its relation to resistance of plants to insect attack. *Am. Natur.*, 1936, 70: 547-66.—**Pfeiffer, I. W.** Effect of removal of the corpora allata on the fat metabolism and water content of the grasshopper. *Anat. Rec.*, 1941, 81: Suppl., 57 (Abstr.).—**Sarma, P. S., & Sreenivasaya, M.** Studies in insect nutrition; the nature of the fat-soluble factor. *Current Sci. Bangalore*, 1941, 10: 525.—**Sayle, M. H.** The metabolism of insects. *Q. Rev. Biol.*, 1928, 3: 542-53.—**Tauchert, F.** Weitere Stoffwechseluntersuchungen an Insekten. *Zschr. Biol.*, 1929-30, 89: 541-6.—**Totze, R.** Blutsaugen unter rein experimentellen Bedingungen. *Zbl. Bakt.*, 1. Abt., 1934, 132: 382-4.

Paleontology.

WALKER, M. V. Evidence of triassic insects in the Petrified Forest National Monument, Arizona. p.137-41. 8°. Wash., 1938.

Bruce, C. T. Fossil parasitic hymenoptera of the family Scelionidae from Baltic amber. *Proc. Am. Acad. Art. Sc.*, 1940, 74: 69-90.—**Carpenter, F. M.** The lower Permian insects of Kansas; Psocoptera and additions to the Homoptera. *Am. J. Sc.*, 1932, 24: 1-22. — The lower Permian insects of Kansas; additional Megasecoptera, Protodonata, Odonata, Homoptera, Psocoptera, Protelytroptera, Plectoptera, and Protopleraria. *Proc. Am. Acad. Art. Sc.*, 1938-39, 73: 29-70, 2 pl. — **Snyder, T. E.** [et al.] Fossil insects from the Creede formation, Colorado. *Psyche J. Entom.*, 1938, 45: 105-18, pl.—**Cockerell, T. D. A., & LeVeque, N.** The antiquity of insect structures. *Am. Natur.*, 1931, 65: 351-9.—**Crampton, G. C.** The interrelationships and lines of descent of living insects. *Psyche J. Entom.*, 1938, 45: 165-81.—**Imms, A. D.** The ancestry of insects. *Nature*, Lond., 1937, 139: 399.—**Inséto (Um)** de 200 milhões de anos. *Inpr. med.*, Rio, 1941, 17: No. 335, 154.—**Kolbe, H.** Ueber thermophile Relikte aus der Tertiärzeit und der Postglazialzeit. *Zool. Anz.*, 1931, 95: 113-36.—**Théobald, N.** Les insectes fossiles de Kleinkembs (Pays de Bade). *C. rend. Acad. sc.*, 1934, 198: 1939.—**Walton, L. B.** The polychaete ancestry of the insects; the external structure. *Am. Natur.*, 1927, 61: 226-50.

parasitic.

See also *Insecta*, Extermination; *Insecticide*.

ELLIS, E. T. *Insect pests.* 156p. 8°. Lond. [1924]

FLINT, W. P., & METCALF, C. L. *Insects; man's chief competitors.* 133p. 8°. Balt., 1932.

HARVEY, W. C., & HILL, H. *Insect pests.* 292p. 19cm. Lond., 1940.

HOWARD, L. O. *The insect menace.* 347p. 8°. N. Y. [1931]

SCHMIDT, G. *Gebräuchliche Namen von Schadinsekten in verschiedenen Ländern.* 160p. 24cm. Berl., 1939.

UNITED STATES. ENTOMOLOGY AND PLANT QUARANTINE BUREAU. *Insects in relation to national defense. Circular 1: Introduction.* 4 numb. 1. 23cm. [Wash.] 1941.

Bishopp, F. C. Some insect pests of horses and mules. *Yearb. U. S. Dep. Agr.*, 1942, 492-500.—**Dangerous insects.** *Virginia Health Bull.*, 1929, 21: No. 3, 1-4; No. 4, 1-4.—**Faure, J. C.** Sur la spécificité relative des insectes parasites polyphages. *C. rend. Acad. sc.*, 1926, 182: 243-5.—**Faust, E. C.** Blood-sucking flies and bugs. In *Modern Med. Ther.* (Barr, D. P.) Balt., 1940, 2: 1975.—**Felt, E. P.** Why do insects become pests? *Sc. Month.*, 1938, 46: 437-40.—**Firmiro Santana, J.** Introdução ao estudo dos insetos hematófagos. *Med. contemp.*, Lisb., 1935, 53: 429-34.—**Fisher, R. C., & Tasker, H. S.** The detection of wood-boring insects by means of X-rays. *Ann. Appl. Biol.*, Lond., 1940, 27: 92-100, 2 pl.—**Hackett, C. M.** A false paradise for pests. *Sc. American*, 1941, 165: 145-8.—**Hogan, T. W.** Insect pests of war-time importance; flies and mosquitoes. *Health Bull.*, Melb., 1939, No. 61/2, 1677-92.—**Insect pests.** *Yearb. U. S. Dep. Agr.*, 1935, 95-7.—**LePrince, J. A.** Bats in paradise, and mosquitoes in clover. *Hygeia, Chic.*, 1931, 9: 327-9.—**Matheson, R.** Notes on a small collection of bat ecto-parasites. *Parasitology*, Lond., 1928, 20: 173.—**Reasoner, M. A.** Some insects and their relation to man. *Vet. Med. Chic.*, 1926, 21: 175-81.—**Salt, G.** The effects of hosts upon their insect parasites. *Biol. Rev. Cambridge Philos. Soc.*, 1941, 16: 239-64.—**Stage, H. H., & Hyslop, J. A.** Origin and spread of important insect pests of animals. *Yearb. U. S. Dep. Agr.*, 1942, 203-8.—**Thorpe, W. H.** The biology and development of *Cryptochaetum grandicorne* (Diptera) an internal parasite of *Guerinia serratulæ* (Coccidae) Q. J. Micr. Sc., Lond., 1934-35, 77: 273-304. — On a new type of respiratory interrelation between an insect (Chalcid) parasite and its host (Coccidae) *Parasitology*, Lond., 1936, 28: 517-40. — The biology of *Cryptochaetum*, Diptera, and *Eupelmus*, Hymenoptera, parasites of *Aspidoproteus*, Coccidae, in East Africa. *Ibid.*, 1941, 33: 149-68.—**Voukassovitch, P.** Sur l'importance des insectes parasites entomophages dans les bioécénoses des insectes. *C. rend. Soc. biol.*, 1932, 110: 499-501.

parasitic: Ecology.

Bodenheimer, F. S. Ueber die Grundlagen einer allgemeinen Epidemiologie der Insektenkalamitäten. *Zschr. angew. Entom.*, 1930, 16: 433-50. — Ueber einige Grundfragen der Insekten-Epidemiologie. *Ibid.*, 606-11.—**Britton, W.** The grasshopper plague of 1866 in Kansas. *Sc. Month.*, 1927, 25: 540-5.—**Clausen, C. P.** Some factors relating to colonization, recovery, and establishment of insect parasites. *Proc. Pacific Sc. Congr.* (1939) 1940, 6. Congr., 4: 421-8.—**Dunn, L. H.** Notes on some insects and other arthropods affecting man and animals in Colombia. *Am. J. Trop. M.*, 1929, 9: 493-508.—**Eidmann, H.** Zur Kenntnis der Periodizität der Insektenepidemien. *Zschr. angew. Entom.*, 1931, 18: 537-67.—**Gambrell, F. L., Mendall, S. C., & Smith, E. H.** A destructive European insect new to the United States. *J. Econ. Entom.*, 1942, 35: 289.—**Gause, G. F.** Ueber einige quantitative Beziehungen in der Insekten-Epidemiologie. *Zschr. angew. Entom.*, 1933-34, 20: 619-23.—**Gil Collado, J.** Distribución de los insectos hematófagos en España. *Actas Congr. nac. san. Madrid* (1934) 1935, 1. Congr., 4: 96-106.—**Hatch, M. H.** A bibliographical catalogue of the injurious arachnids and insects of Washington. *Univ. Washington Pub. Biol.*, 1938, 1: 163-223.—**Hering, M.** Beiträge zur Kenntnis der Oekologie und Systematik blattminierender Insekten. *Zschr. angew. Entom.*, 1927, 13: 156-98.—**Madel, W.** Bemerkenswerte Schädlingsmeldungen aus Berlin und Umgebung. *Zschr. hyg. Zool.*, 1940, 32: 170-5.—**May, E.** Der Einfluss von Klima und Witterung auf die Massenvermehrung schädlicher Insekten. *Zschr. ges. phys. Ther.*, 1930, 39: 295.—**Merino, G.** The role of ecology in our insect pest problems. *Annual Rep. Nat. Res. Counc. Philippines*, 1938, No. 16, 77-82.—**Merle, R.** Les insectes prédateurs du Chili. *Nature*, Par., 1928, 56: pt 2, 502-6.—**Myers, J. G.** Field observations on some Guiana insects of medical and veterinary interest. *Vet. J.*, Lond., 1934, 90: 485-92.—**Paillot, A.** Le problème de l'équilibre naturel chez les insectes phytophages. *Rev. gén. sc. pur.*, 1925, 36: 206-11.—**Patterson, T. C.** Insect pests in northern Norway; the mosquito nuisance. *J. R. Nav. M. Serv.*, 1940, 26: 346-52.—**Schwerdtfeger, F.** Betrachtungen zur Epidemiologie des Kiefernspanners. *Zschr. angew. Entom.*, 1932, 19: 104-29.—**Sherwood, J. W.** Insect pests in Texas. *Mil. Surgeon*, 1927, 60: 531-7.—**Uvarov, B. P.** Wetter und Klima in ihren Beziehungen zu den Insekten. *Zschr. angew. Entom.*, 1930-31, 17: 156-77.—**Varley, G. C., & Butler, C. G.** The acceleration of development of insects by parasitism. *Parasitology*, Lond., 1933, 25: 263-8.—**Vesey-FitzGerald, D.** Some insects of economic importance in Seychelles. *Bull. Entom. Res.*, Lond., 1941, 32: 153-60.—**Webber, R. T.** Some important economic insects of Central Europe. *J. Econ. Entom.*, 1927, 20: 301-10.—**Zwölfer, W.** Zur Theorie der Insektenepidemien. *Biol. Zbl.*, 1930, 50: 724-59.

parasitic—in agriculture.

Britton, W. E. An Asiatic beetle (*Anomala orientalis*) in Connecticut. *J. Econ. Entom.*, 1924, 17: 309-11.—**Chittenden, F. H.** The Argus tortoise beetle. *J. Agr. Res.*, 1924-25, 27:

43-51, pl.—Costa Lima, A. da. Sobre insectos que vivem em maracujás (*Passiflora* spp.) Mem. Inst. Oswaldo Cruz, 1930, 23: 159-62, 3 pl.—Craighead, F. C. The influence of insects on the development of forest protection and forest management. Annual Rep. Smithsonian Inst. (1941) 1942, 367-92, 12 pl.—Isely, D. Insect problems resulting from changes in agriculture in Arkansas. J. Econ. Entom., 1942, 35: 473-7.—Parker, J. R. Annual insect-damage appraisal. Ibid., 1-10.—Raspail, F. V. Entomogénoses végétales ou maladies causées aux végétaux par le parasitisme des insectes. Rev. compl. sc. appl. méd., Par., 1854-55, 1: 306-10.—Winds blow insects at rate of 100 miles per hour; air-borne invasions menace to forests; starvation prescribed against cutworm; ticks may suffer too. Science News Lett., 1938, 34: 29.—Worthington, E. B. Insect pests of cultivation [Africa] In his Science in Africa, Lond., 1938, 280-92, pl.

— parasitic—in household and commerce.

See also *House*, Hygiene.

DINGLER, M. Die Hausinsekten und ihre Bekämpfung. 96p. 8°. Berl., 1925.

GUYTON, T. L. Insect pests of the household. 21p. 8°. Harrisburg, Pa., 1926.

MADEL, W. Drogenschädlinge; ihre Erkennung und Bekämpfung. 96p. 19½cm. Berl., 1938.

Denes, G. Invasione delle case da parte di insetti non comuni. Studium, Nap., 1930, 20: 451.—Denston, T. C. Insect pests in drugs. Pharm. J., Lond., 1937, 84: 577.—Dingler, M. Merkwürdiges Auftreten einiger Hausschädlinge. Anz. Schädlingssk., 1928, 4: 124.—Hardy, E. Insects in hospitals and homes. Clin. Med., 1941, 48: 187.—Hayhurst, H. Insect infestation of stored products. Ann. Appl. Biol., Lond., 1937, 24: 797-807, 2 pl.—Johnston, C. J. R. Insect pests of war-time importance; pests of clothing, carpets, furnishings and fabrics. Health Bull., Melb., 1939, No. 61/2, 1704-18.—Kemper, H. Ueber tierische Gesundheits- und Wohnungsschädlinge im Mittelalter. Zschr. hyg. Zool., 1936, 28: 31; 161.—Lepesme, P. Les insectes nuisibles aux plantes sèches et drogues médicinales des pharmacies, herboristeries et magasins de gros. Bull. sc. pharm., Par., 1938, 45: 352-61.—Munro, J. W. The entomology of commerce; insect pests and their control. Analyst, Lond., 1942, 67: 155-9.—Pyenson, L., & Menusan, H. Rearing stored food insects for experimental use. In Cult. Meth. Invertebr. (Galtsoff, P. S., et al.) Ithaca, 1937, 478-80.—Sch., A. Tiere, die Bleiröhren durchnagen. Umschau, 1926, 30: 949.—Wilson, G. F. The invasion of houses by earwigs and ants. Ann. Appl. Biol., Lond., 1942, 29: 316-21.—Worthington, E. B. Insect pests of stored products [Africa] In his Science in Africa, Lond., 1938, 292-4.

— poisonous.

[Blistering insects] Pharm. tid., Kbh., 1868, 7: 284-6.—Boyer, J. Chenilles et papillons vénéneux. Nature, Par., 1929, 57: pt 1, 385-8.—Grimaud de Claux, G. Des insectes en général et des insectes vénéneux en particulier. Gaz. san., Par., 1835, 5: 145-53, pl. — Des insectes vénéneux; le laurier camphrier. Ibid., 1836, 6: 97-110, 3 pl.—Hecht, O. Ueber die Sprossspitze der Oesophagusausstülpungen und über die Giftwirkung der Speicheldrüsen von Stechmücken. Arch. Schiff's Tropenhyg., 1928, 32: 561-75.—Hoffman, W. A. Irritation due to insect secretion [*Loxa flavicollis*] J. Am. M. Ass., 1927, 88: 145.—Iseki, K. Untersuchung über die akute juckende Dermatitis, hervorgerufen durch Karasus. Acta derm., Kyoto, 1933, 21: 178.—Modi, J. P. Poisonous insects. In his Textb. Med. Jurispr., 6. ed., Bombay, 1940, 665.

— Predators.

Knowlton, G. F. Range lizards as insect predators. J. Econ. Entom., 1942, 35: 602. — & Thornley, H. F. Insect food of the sage grouse. Ibid., 107.—Vietinghoff-Riesch. Das Verhalten paläarktischer Vögel gegenüber den wichtigeren forstschädlichen Insekten. Zschr. angew. Entom., 1927-28, 13: 483-512.

— Public health aspect.

See also *Epidemic*, *Source*; *Infection*, *Vector* and *reservoir*; also under names of insect-borne diseases as *Malaria*, etc.

ALESSANDRINI, G. [C.] Insetti trasmettitori di malattie. 92p. 8°. Bologna [1927]

BERLESE, A. Insetti delle case e dell'uomo e malattie che diffondono con particolare riguardo al modo di difendersene nelle città, nelle campagne, al fronte. 293p. 18°. Milano, 1917.

CANAL ZONE. HEALTH DEPARTMENT. Mosquito-borne diseases. 19p. 21½cm. Wash., 1914.

GUITERAS, J. Insect borne diseases in Pan-America. 42p. 8°. La Habana, 1915.

MONPÈRE, A. *Les insectes, transporteurs mécaniques de virus. 180p. 24cm. Alger, 1938.

UNITED STATES ARMY. MEDICAL DEPARTMENT. Army regulations No. 40-230: The prevention of the communicable diseases of man. Insect-borne diseases. 5p. 8°. Wash., 1923.

UNITED STATES ARMY. MEDICAL FIELD SERVICE SCHOOL [CARLISLE BARRACKS, PA.] Pamphlet No. 5: Military preventive medicine; control of insect borne diseases. 59p. 8°. Carlisle, 1929.

Beveridge, W. Insects in relation to public health. Vet. Rec., Lond., 1926, 6: 27.—Böning, K. Insekten als Ueberträger von Pflanzenkrankheiten. Zschr. angew. Entom., 1929, 15: 181-206.—Braun, H., & Caspari, E. Sur la propagation de maladies d'origine bactérienne par des culex et des punaises. Ann. parasit., Par., 1938, 16: 543-7.—Brug, S. L. [Introduction of parasites by insects] Geneesk. tsschr. Ned. Indië, 1932, 72: 883.—Bruynoghe, R. Les insectes dans la transmission des maladies. Rev. méd., Louvain, 1929, 136: 170; 225; 257.—Davidson, J. Flies, fleas and lice. Med. J. Australia, 1942, 2: 111-6.—Faust, E. C. Insects and their allies, arthropods. In Treat. Gen. Med., 2. ed., Phila., 1941, 1: 553-73.—González-Granda y Pérez, C. Los insectos propagadores de enfermedades y la lucha contra ellos en el medio castrense. Congr. internac. med. farm. mil., 1933, 7. Congr., 2: pt 4, 266-74, pl.—Guillon, A. Les maladies transmises par les vampires. Médecine, Par., 1933, 14: 946-50.—Hanson, H. The problem of the insect-borne diseases in South America. J. Florida M. Ass., 1929-30, 16: 399-401.—Insect-borne diseases can be eliminated. Statist. Bull. Metrop. Life Insur., 1934, 15: No. 11, 5-7.—Insects in relation to human health. Iowa Pub. Health Bull., 1935, 49: 3-14.—Jarcho, S. Infections and infestations; insect-borne diseases. In Prevent. Med. Modern Pract. (J. A. Miller) N. Y., 1942, 248-67.—Johnston, H. M. Insects and disease. Jamaica Pub. Health, 1937, 12: 65-71.—Lara, N. A. Insectos transmisores de enfermedades (divulgación profiláctica y científica) Rev. méd. Yucatán, 1928-29, 15: 103; 123; 141.—Liebermann, J. Síntesis de insectos que interesan a la zoología veterinaria Argentina. Rev. med. vet., B. Air., 1935, 17: 16-30.—Mandoul, H. Les mouches et les maladies qu'ils propagent. J. méd. Bordeaux, 1935, 112: 775-8.—Norton, R. Insects and public health. South. M. & S., 1935, 97: 393-5.—Patton, W. S. Arthropods and disease. In Brit. Encycl. M. Pract. (Rolleston, H.) Lond., 1936, 2: 120-37.—Poos, F. W., & Wheeler, N. H. On the hereditary ability of certain insects to transmit diseases and to cause disease-like injuries to plants. J. Econ. Entom., 1934, 27: 58-60.—Ravicini, S. Insetti trasmettitori di alcune malattie gravi. Difesa sociale, 1935, 14: 319-29.—Rawson, G. W. Insects and insect-borne diseases of animals. J. Am. Vet. M. Ass., 1928-29, 74: 1027-39.—Reese, J. M. Insects and disease. J. R. Nav. M. Serv., 1933, 19: 22-6.—Riley, W. A. Notes on the relation of insects to disease. Mil. Surgeon, 1935, 77: 256-67.—Role of insects in the causation of disease. Week. Roster, Phila., 1941-42, 37: 1348-50.—Scagliosi, G. Sui più comuni insetti vettori d'infezione all'uomo (mosca, zanzara, pidocchio, pulce, cimice e pappataci) Pensiero med., 1927, 16: 596; 618; 644.—Schilling, C. Neue Beobachtungen bei den durch blutsaugende Insekten übertragenen Krankheiten. Jahrschr. ärztl. Fortbild., 1930, 21: H. 10, 47-53.—Sergeant, E., Sergeant, E., & Parrot, L. Insectes et maladies en Afrique du Nord. In Parasites (Pavlovsky, E.) Moskva, 1935, 68-70.—Skinner, G. H. Winter insects versus health. Hygiene, Chic., 1936, 14: 993-6.—Strickland, E. H. Insects in relation to health in Alberta. Canad. Nurse, 1939, 35: 449-52.—Tetley, H. Mosquitoes and fleas in relation to disease. J. R. San. Inst., 1934-35, 55: 388-96.—Wigglesworth, V. B. Some notes on the physiology of insects related to human disease. Tr. R. Soc. Trop. M. Hyg., Lond., 1929-30, 23: 553-77. Also Med. Press & Circ., Lond., 1930, 129: 175; 198.—Winslow, C. E. A. Insects and disease. In Pract. Libr. M. & S. (Appleton) N. Y., 1937, 12: 407-28.—Wollman, E., Anderson, C., & Colas-Belcours, J. Recherches sur la conservation des virus hémophiles chez les insectes. Arch. Inst. Pasteur Tunis, 1928, 17: 229-32.—Worthington, E. B. Insects and ticks in relation to disease [Africa] In his Science in Africa, Lond., 1938, 294-300.

— Resistance.

Andrewartha, H. G. Thrips investigation; on the effect of soil moisture on the viability of the pupal stages of Thrips imagnis Bagnall. J. Coun. Se. Ind. Res., Melb., 1934, 7: 239-44.—Ditman, L. P., Vogt, G. B., & Smith, D. R. The relation of unfreezable water to cold-hardiness of insects. J. Econ. Entom., 1942, 35: 265-72.—Johnson, C. G. Insect survival in relation to the rate of water loss. Biol. Rev. Cambridge Philos. Soc., 1942, 17: 151-77.—Kozhantshikov, I. W. Physiological conditions of cold-hardiness in insects. Bull. Entom. Res., Lond., 1938, 29: 253-62.—Mail, G. A. Winter temperature gradients as a factor in insect survival. J. Econ. Entom., 1932, 25: 1049.—Mellanby, K. Low temperature and insect activity. Proc. R. Soc., Lond., Ser. B, 1939, 127: 473-87.—Payne, N. M. Freezing and survival of insects at low temperatures. J. Morph., 1926-27, 43: 521-46. — Measures of insect cold hardiness. Biol. Bull., 1927,

52: 449-57.—Robinson, W. Water binding capacity of colloids a definite factor in winter hardiness of insects. *J. Econ. Entom.*, 1927, 20: 80-8.

Secretions and incretions.

See also **Hormone**, invertebrate.

Becker, E., & Plagge, E. Ueber das die Pupariumbildung auslösende Hormon der Fliegen. *Biol. Zbl.*, 1939, 59: 326-41.—Duncan, J. T. On a bactericidal principle present in the alimentary canal of insects and arachnids. *Parasitology*, Lond., 1926, 18: 238-52.—Hollande, A. C. La signification de l'auto-hémorrhée des insectes. *Arch. anat. micr., Par.*, 1926, 22: 374-412.—Schubel, F. Reproductive hormones of insects. *Ciba Symposia*, 1941-42, 3: 1055.—Shvanvich, B. N. [Internal secretion in insects] *Priroda*, Leningr., 1935, 24: 33-7.

Sound production and stridulation.

LAUFER, B. Insect-musicians and cricket champions of China. 27p. 8° Chic., 1927.

Auger, D., & Fessard, A. Observations sur l'excitabilité de l'organe tympanique du criquet. *C. rend. Soc. biol.*, 1928, 99: 400.—Baier, L. J. Contribution to the physiology of the stridulation and hearing of insects. *Zool. Jahrb., Abt. allg. Zool.*, 1930, 47: 151-248. 4 pl.—Marcu, O. Ein neuer Beitrag zur Kenntnis der Geschlechtsunterschiede der Stridulationsorgane einiger Curculioniden. *Zool. Anz.*, 1930, 91: 75-81.—Matthews, H. D. On the stridulations of insects. *Science*, 1942, 95: 324.

Wing and flight.

Fraenkel, G. Untersuchungen über die Koordination von Reflexen und automatisch-nervösen Rhythmen bei Insekten. *Zschr. vergl. Physiol.*, 1932, 16: 371-417.—Guibé, J., & Verrier, M. L. Les relations entre le développement de l'œil et de l'aile chez les insectes; à propos du diptère *Apterina pedestris* Meigen. *Bull. Biol. France*, 1940, 74: 177-84.—Harnly, M. H. Flight capacity in relation to phenotypic and genotypic variations in the wings of *Drosophila melanogaster*. *J. Exp. Zool.*, 1941, 88: 263-73.—Holdsworth, R. P., jr. The wing development of *Pteronarcys proteus* Newman. *Pteronarcidae*; *Plecoptera*. *J. Morph.*, 1942, 70: 431-61, 10 pl.—Hollick, F. S. J. The flight of insects. *Rep. Brit. Ass. Advance. Sc.*, 1935, 395.—Lees, A. D. Homology of the campaniform organs on the wing of *Drosophila melanogaster*. *Nature*, Lond., 1942, 150: 375.—Shull, A. F. The mechanism through which light and heat influence genetic factors for wing development in aphids. *J. Exp. Zool.*, 1942, 89: 183-95.—Sporn, E. Einiges über Sprung und Ansprung zum Fluge bei Insekten. *Arch. Entw. mech.*, 1926, 107: 400-6.—Steinberg, D. M. [Regulatory processes during metamorphosis in insects; experimental investigations on regeneration of wings in butterflies] *Biol. J. Moskva*, 1938, 7: 295-310, pl.—Thompson, D. W. The venation of wings. In his *Growth & Form*, N. Y., 1942, 613.

Zoology.

Galli-Valerio, B. Observations sur les culicidés, les tabanidés les simuliidés et les chironomidés. *Zbl. Bakt.*, 1. Abt., 1930, 116: 220-4.—Ischreyt, G. Zur Kenntnis der morphologischen Artmerkmale des Koleopterengenus *Donacia*. *Zool. Anz.*, 1923-24, 58: 36-43.—Kessel, F. Zur geographischen Verbreitung der Cucujidae (Coleoptera) erster Beitrag: *Lamophilum*. *Philippine J. Sc.*, 1923, 22: 91-7.—Madle, H. Zur Kenntnis der Morphologie, Ökologie und Physiologie von *Apodius rufipes* Lin. und einigen verwandten Arten. *Zool. Jahrb., Abt. Anat.*, 1934, 58: 303-96.—Meyrick, E. Phytophagie or phytophagous races in insects. *Nature*, Lond., 1927, 119: 782.—Plath, O. E. The natural grouping of the Bremidae (Bombyidae) with special reference to biological characters. *Biol. Bull.*, 1927, 52: 394-410.—Ruschka, F. Zwei neue Chalcidier aus Fichtenzapfen. *Zschr. angew. Entom.*, 1921, 8: 161.—Thorpe, W. H. Biological races in insects and allied groups. *Biol. Rev. Cambridge Philos. Soc.*, 1930, 5: 177-212.

INSECTICIDE.

See also **Disinfestation**; **Insecta**, Extermination and control; also under names of insecticide substances as **Fluorine**; **Pyrethrum**, etc.

BOURCART, E. Insecticides, fungicides, and weed killers. 431p. 8° Lond., 1925.

FREAR, D. E. H. Chemistry of insecticides and fungicides. 300p. 23½cm. N. Y., 1942.

HAMILTON, C. C., ED. *Entoma*; a directory of insect pest control. 4. ed. 195p. 23cm. [n. p.] 1941. Also 5. ed. 202p. 1943.

HOLLAND, E. B., BOURNE, A. I., & ANDERSON, P. J. Insecticides and fungicides for farm and orchard crops. 37p. 8° Amherst, 1921.

SHEPARD, H. H. The chemistry and toxicology of insecticides. 383p. 27cm. Minneap., 1939.

UNITED STATES. ENTOMOLOGY AND PLANT QUARANTINE BUREAU. Circular 21: Insects in relation to national defense: Insecticides and subsidiary materials. 87 numb. 1. 23cm. [Wash.] 1941.

Deshusses, L., & Deshusses, J. Dosage du fluosilicate de baryum dans les insecticides. *Mitt. Lebensmittelforsch.*, Bern, 1940, 31: 62-5.—Heine, H. W. Needs of dealers in insecticides. *J. Am. Pharm. Ass., Pract. Pharm.*, Ed., 1940, 1: 212.—Horsfall, J. L., Hamilton, C. C., & Roark, R. C. Report of special committee on the insecticide supply situation; insecticide supplies for 1943. *J. Econ. Entom.*, 1942, 35: 951.—Jeffs, H. B. Emploi de l'arsenic pour la destruction des sauterelles au Canada. *Bull. Off. internat. hyg. pub.*, Par., 1937, 29: 963-5.—LaForge, F. B., & Markwood, L. N. Organic insecticides. *Annual Rev. Biochem.*, 1938, 7: 473-90.—Metcalf, R. L., & Kearns, C. W. The toxicity and repellent action of some derivatives of picramic acid and of toluene-sulfonyl chloride to the greenhouse leaf tier. *J. Econ. Entom.*, 1941, 34: 306-9.—Motte, J., & Pomot, J. Protection of insecticides. *U. S. Patent Off.*, 1943, No. 2,309,860.—Opitz, C. F. More profits in specific insecticides. *Metrop. Drugist*, 1939, 4: No. 11, 4.—Quimby, M. W. Insecticides in the drug store. *J. Am. Pharm. Ass., Pract. Pharm.*, Ed., 1940, 1: 71.—Swingle, W. T., Haller, H. L. [et al.] A Chinese insecticidal plant, *Tripterygium wilfordii*, introduced into the United States. *Science*, 1941, 93: 60.

Dust.

Bonis, A. Le dosage du fluosilicate de baryum dans les poudres insecticides. *Ann. falsif., Par.*, 1935, 28: 461-3.—Brooks, J. W., & Allen, T. C. Tests of certain insecticidal dusts against the striped cucumber beetle. *J. Econ. Entom.*, 1941, 34: 295-7.—Fernández, O., & Del Castillo, M. Determinación de los principios activos en los polvos insecticidas de pelitre. *Actas Congr. nac. san., Madr.* (1934) 1935, 1. Congr., 4: 60-4.—Floyd, E. H., Beemel, I. J., & Eddy, C. O. Free nicotine in arsenical and cryolite dust mixtures. *J. Econ. Entom.*, 1942, 35: 620-3.—Fransen, I. J. J. Ein einfacher Apparat zur Bestimmung des Giftwertes von pulverförmigen Kontakt-Insektiziden. *Anz. Schädlingsk.*, 1938, 14: 5-7.—Galloway, A. G., & Burgess, A. F. An improved method of applying insecticidal dusts. *J. Econ. Entom.*, 1940, 33: 912-5.—Goodhue, L. D. The particle size of commercial insecticidal sulfurs as determined by sedimentation analysis. *J. Econ. Entom.*, 1938, 31: 410-4.—Gorkina, A. N. [Dusts of K and SK preparations and from diphenylamin as insecticides] *Med. parazit.*, Moskva, 1942, 11: 90.—Hastings, E., & Pepper, J. H. The distribution of sodium arsenite and diluent in the dust cloud. *J. Econ. Entom.*, 1941, 34: 769-72.—Heuberger, J. W., & Turner, N. A laboratory apparatus for studying settling rate and fractionation of dusts. *Phytopathology*, 1942, 32: 166-71.—Hills, O. A., & Romney, V. E. A method of simulating airplane application of insecticides to tall plants in experimental plots. *J. Econ. Entom.*, 1941, 34: 853-6.—Johnson, F. S., & Vallee, A. G. Insecticidal powders, a comparative study. *U. S. Nav. M. Bull.*, 1938, 36: 435-45.—Silberschmidt, K., & Kramer, M. A possibilidade da transmissão de doenças de virus pelas pulverizações com extratos de fumo. *Biologico*, S. Paulo, 1941, 7: 207-15.—Smith, L. M. The relation of concentration of active ingredients to insecticidal efficiency of dusts. *J. Econ. Entom.*, 1938, 31: 598-602.—[Strong insect powder] *Ny pharm. tid.*, Kbh., 1875, 7: 46.—Thiem, H. Ueber die insektentötende Wirkung von Detal als Staubmittel. *Zbl. Bakt.*, 2. Abt., 1937, 96: 221-30.—Turner, N. A large-scale test of dusts to control the European corn borer. *J. Econ. Entom.*, 1941, 34: 284-7.—Vinas, J., & Save, J. Methode rapide de dosage du fluosilicate de baryum dans les poudres insecticides. *Ann. falsif., Par.*, 1936, 29: 152-4.—Walker, H. G., & Anderson, L. D. Thiocyanate-derris dusts for control of truck crop insects. *J. Econ. Entom.*, 1942, 35: 281.—Wieder, F. W. Dusting composition. *U. S. Patent Off.*, 1942, No. 2,281,735.—Zacher, F. Neue Untersuchungen über die Einwirkung oberflächen-aktiver Pulver auf Insekten. *Verh. Deut. Zool. Ges.*, 1937, 39: 264-71.

Fume and vapor.

UNITED STATES. ENTOMOLOGY AND PLANT QUARANTINE BUREAU. Insects in relation to national defense. Circular 22: Fumigation. 55 numb. 1. 23cm. [Wash.] 1941.

Brinley, F. J., & Baker, R. H. Some factors affecting the toxicity of hydrocyanic acid for insects. *Biol. Bull.*, 1927, 53: 201-7.—Deckert, W. Die gesetzlichen Grundlagen der Schädlingsbekämpfung mit Blausäure in den meisten Kulturstaaen. *Zschr. Desinfekt.*, 1930, 22: 115-32.—Destruction of vermin through fumigation. *Rep. Dep. Health Montreal*, 1933, 74-91.—Destruction of vermin by the use of cyanide gas. *Rep. Hackney Med. Off. Health*, 1934, 68-9.—Goodhue, L. D., & Sullivan, W. N. Insecticidal smokes; their application in the control of household insects. *Rev. Appl. Entom.*, Lond., 1942, 30: 70 (Abstr.).—Grown, E. W. Carbonyl gas: a new insecticidal fumigant for bedbugs and cockroaches. *Bull. U. S. Nav. M.*, 1933, 31: 253-68, 3 pl.—Hamlin, J. C., & Reed, W. D. Insect revival after fumigation. *J. Econ. Entom.*, 1927, 20:

400-28.—**Hecht, O.** Blausäuredurchgasungen zur Schädlingsbekämpfung. Naturwissenschaften, 1928, 16: 17-23.—**Miles, H. W.** On the control of glasshouse insects with calcium cyanide. Ann. Appl. Biol., Lond., 1927, 14: 240-6.—**Moore, W., & Carpenter, E. L.** The fumigation of insects with hydrocyanic acid; effect of different air pressures. J. Econ. Entom., 1938, 31: 419-26.—**Rasch, W.** Der augenblickliche Stand der Ausbreitung der Blausäure in der Schädlingsbekämpfung. Zschr. angew. Entom., 1928, 14: 316-24.—**Schwarz, L.** Ueber Schädlingsbekämpfung (Wanzen, Läuse) durch Ausgasung. Seuchenbekämpfung, 1930, 7: 74-82.—Die Entwicklung des Blausäureverfahrens in der Schädlingsbekämpfung. Zschr. Desinfekt., 1930, 22: 393-8.—**Sherrard, G. C.** Five fumigants for disinfection of bedding and clothing; a comparative study of insecticidal properties. J. Trop. M. Hyg., Lond., 1942, 45: 90; 100.—**Smith, R. C.** House fumigation with calcium cyanide. J. Econ. Entom., 1926, 19: 65-77.—**Stellwag & Geissler.** Eine neue praktische Arbeitsmethode mit Blausäure, die bei der Bekämpfung des Apfelblütenstechers (Anthonomus pomorum L.) angewandt wurde. Anz. Schädlingsk., 1927, 3: 63-7.—**Sullivan, W. N., Goodhue, L. D., & Fales, J. H.** Application of the aerosol to fumigation; stabilization of a naphthalene aerosol. J. Econ. Entom., 1941, 34: 650-3.—**Walker, H. W., & Mills, J. E.** Chemical Warfare Service boll weevil investigation; progress report. Indust. Engin. Chem., 1927, 19: 703-11.

Laws and regulations.

Arthur, W. R. Insecticide Act. In his Law of Drugs, 2. ed., S. Paul, 1940, 420-9.—**Ausführung der Verordnung über die Schädlingsbekämpfung mit hochgiftigen Stoffen.** Reichsgesundhbl., 1935, 10: 499.—**Insecticide Act, U. S. C. 7:121 to 134,** follows language of 1906 Food and Drugs Act. In Treat. Law of Food (Toulmin, H. A., jr) Cincinnati, 1942, 1019.—**Insecticide and fungicide laws.** In Law of Drugs (Arthur, W. R.) 2. ed., S. Paul, 1940, 96.—**Purpose (The)** of the Insecticide Act of 1910. In Treat. Law of Food (Toulmin, H. A., jr) Cincinnati, 1942, 1020-5.—**Wührer, J.** Gesundheitsfürsorgerechts Bestimmungen im Verkehr mit nikotinhaligen Schädlingsbekämpfungsmitteln. Reichsgesundhbl., 1936, 11: 363.

Mode of action.

BLICKLE, R. L. Penetration of oils into insect eggs. 14p. 23cm. Durham, 1942.

O'KANE, W. C. [et al.] Surface tension, surface activity, and wetting ability as factors in the performance of contact insecticides. 44p. 8°. Durham, 1930.

— The performance of certain contact agents on various insects. 20p. 8°. Durham, 1932.

O'KANE, W. C., & BAKER, W. C. A technique for tracing penetration of petroleum oil in insect eggs; some determinations of oil penetration into insect eggs. 12p. 8°. Durham, 1934.

— Further determinations of oil penetration into insect eggs; studies of contact insecticides. 8p. 8°. Durham, 1935.

O'KANE, W. C., & GLOVER, L. C. Further determinations of the penetration of arsenic into insects. 8p. 8°. Durham, 1936.

O'KANE, W. C., GLOVER, L. C. [et al.] Penetration of certain liquids through the pronotum of the American roach; studies of contact insecticides. 16p. 8°. Durham, 1940.

O'KANE, W. C., WALKER, G. L. [et al.] Reaction of certain insects to controlled applications of various concentrated chemicals. 23p. 8°. Durham, 1933.

Boldirev, T. E. [Disinfestation properties of NCJ] Vest. mikrob., 1931, 10: 41-57.—**Boyce, A. M.** Progress in field studies with insecticides. J. Econ. Entom., 1942, 35: 114.—**Busvine, J. R.** Relative toxicity of insecticides. Nature, Lond., 1942, 150: 208.—**Campbell, F. L.** Methoden zum Studium der Giftigkeit magenzigiger Insektizide. Anz. Schädlingsk., 1929, 5: 133-9.—**Chapman, P. J., Pearce, G. W.** [et al.] Some comparisons between calcium arsenate and lead [et al.] arsenate as general insecticides for apple. J. Econ. Entom., 1934, 27: 421-31.—**Chwala, A.** Kolloidchemie und Schädlingsbekämpfungsmittel (mit besonderer Berücksichtigung der Arseniate) Kolloid Zschr., 1928, 46: 227-38.—**Eddy, C. O.** Studies on some adsorbed insecticides. J. Econ. Entom., 1926, 19: 77-86.—**Fleming, W. E., & Baker, F. E.** The effectiveness of stomach-poison insecticides on the Japanese beetle. J. Agr. Res., 1934, 49: 39-44.—**Fulton, R. A., & Howard, N. F.** Effect of addition of oil on the toxicity to plant bugs of derris and other insecticides. J. Econ. Entom., 1938, 31: 405-10.—**Gäbler, H.** Das Eindringvermögen verschiedener Flüssigkeiten in die Tracheen und seine Folgen. Zschr. angew. Entom., 1939,

26: 1-62.—**Gimingham, C. T., Massee, A. M., & Tattersfield, F.** A quantitative examination of the toxicity of 3: 5-dinitro-o-cresol and other compounds to insect eggs, under laboratory and field conditions. Ann. Appl. Biol., Lond., 1926, 13: 446-65, pl.—**Goetze, G.** Zwei neue Methoden zum quantitativen Studium der Giftigkeit von Insektiziden. Anz. Schädlingsk., 1932, 8: 54-7.—**Goodhue, L. D., & Gooden, E. L.** Sedimentation and microprojection methods for determining particle-size distribution of insecticidal materials. J. Econ. Entom., 1939, 32: 334-9.—**Gorkina, A. N.** [Insecticidal action of wearing apparel impregnated with preparations SK and K] Med. parazit., Moskva, 1941, 10: 581.—**Hoskins, W. M., Bloxham, H. P., & Van Ess, M. W.** The insecticidal effects of organic compounds; toxicity of sulfur and nitrogen compounds to fleshly larvae. J. Econ. Entom., 1940, 33: 875-81.—**Hrenoff, A. K., & Leake, C. D.** Toxicity studies on 2-4-dinitro-6-cyclohexylphenol, a new insecticide. Univ. California Pub. Pharm., 1938-39, 1: 151-60.—**Johnson, F. S.** Liquid insecticides, report of a comparative study. U. S. Nav. M. Bull., 1937, 35: 303-9.—**Kalandadze, L.** Die Wirkung von Arsenpräparaten auf die wichtigsten Forstschädlinge. Zschr. angew. Entom., 1927, 13: 1-96.—**Lehrecke, H.** Ueber die Wirksamkeit von Augenreizstoffen und ihre Anwendung in der Schädlingsbekämpfung mit Blausäure. Zbl. Bakt., 1. Abt., 1927, 102: 111-9.—**MacLeod, G. F., & Smith, L. M.** Deposits of insecticidal dusts and diluents on charged plates. J. Agr. Res., 1943, 66: 87-95.—**Nabokov, V. A., Serebrovsky, S. P. [et al.]** [Toxic properties of tar products and their rôle in disinsection] Trop. med. vet., Moskva, 1930, 8: 28-37.—**O'Kane, W. C., & Westgate.** Sodium soaps of the normal saturated fatty acids; studies of contact insecticides. Techn. Bull. N. Hampshire Agr. Exp. Stat., 1932, No. 48.—**Pearce, G. W., Chapman, P. J., & Avens, A. W.** The efficiency of dormant type oils in relation to their composition. J. Econ. Entom., 1942, 35: 211-20.—**Potter, C.** The use of protective films of insecticide in the control of indoor insects, with special reference to Plodia interpunctella Hb. and Ephestia elutella Hb. Ann. Appl. Biol., Lond., 1938, 25: 836-54.—**Saunders, W. H.** Investigations into insecticides for root mealy bug and root aphids. Ibid., 1926, 13: 495-501.—**Scott, D. B., jr, & Karr, E. H.** The influence of insecticides added to soils on growth and yield of certain plants. J. Econ. Entom., 1942, 35: 702-8.—**Stübinger, H.** Ueber die Wirkung verschiedener Schädlingsbekämpfungsmittel auf niedere Tiere. Anz. Schädlingsk., 1928, 4: 116; 130.—**Swingle, H. S.** Relative toxicities to insects of acid lead arsenate, calcium arsenate and magnesium arsenate. J. Econ. Entom., 1938, 31: 430-41.—**Tattersfield, F., & Gimingham, C. T.** Studies on contact insecticides; the toxicity of the amines and N-heterocyclic compounds to Aphis rumicis L. Ann. Appl. Biol., Lond., 1927, 14: 217-39.—Studies on contact insecticides; the insecticidal action of the fatty acids, their methyl esters and sodium and ammonium salts. Ibid., 331-58.—**Morris, H. M.** Studies on contact insecticides; quantitative examination of the toxicity of certain plants and plant products to Aphis rumicis L. (the bean aphid) Ibid., 1926, 13: 424-45.—**Watkins, T. C.** Toxicities of bordeaux mixture, pyrethrum and derris, to clover leafhoppers. J. Econ. Entom., 1942, 35: 234-6.—**Wigglesworth, V. B.** Some notes on the integument of insects in relation to the entry of contact insecticides. Bull. Entom. Res., Lond., 1942-43, 33: 205-18.

Patents.

See also other subheadings.

Adams, E. W. Insecticide and insecticide. U. S. Patent Off., 1934, No. 1,957,429.—**Allen, C. C.** Insecticide and repellent. Ibid., 1941, No. 2,259,869.—**App, F.** Insecticidal and fungicidal oil. Ibid., 1940, No. 2,221,772.—**Arnold, R. B.** Insecticide and process of making the same. Ibid., No. 2,219,287.—**Austin, C. J.** Japanese beetle insecticide. Ibid., No. 2,209,744.—**Bacon, R. F., & Benicowitz, I.** Insecticide. Ibid., 1941, No. 2,262,523.—**Ballard, S., & Hauray, V. E.** Insecticide. Ibid., 1943, No. 2,307,482.—**Balvalli, N. A.** Larvicide and insecticide and method of production thereof. Ibid., 1941, No. 2,230,995.—**Bousquet, E. W.** Insecticide. Ibid., 1939, No. 2,166,119.—Insecticidal composition. Ibid., No. 2,166,120.—Contact insecticide. Ibid., 1940, No. 2,194,517.—Insecticide. Ibid., 1942, No. 2,277,680.—**Guy, H. G.** Pest control. Ibid., No. 2,285,184; No. 2,285,410.—**Bousquet, E. W., & Salzberg, P. L.** Insecticidal compositions containing heterocyclic amides. Ibid., 1939, No. 2,166,118.—**Bousquet, E. W., & Tisdale, W. H.** Contact insecticide. Ibid., 1934, No. 1,954,517.—**Bousquet, E. W., Ellingboe, E. K., & Guy, H. G.** Pest control. Ibid., 1942, No. 2,285,409.—**Bowen, C. V.** Insecticide. Ibid., 1940, No. 2,224,243.—**Dearborn, F. E.** Insecticide and fungicide. Ibid., 1942, No. 2,269,891.—**Britton, E. C.** Insecticidal emulsion composition. Ibid., 1940, No. 2,210,894.—**Coleman, G. H., & Zemba, J. W.** Insecticidal composition. Ibid., No. 2,212,536.—**Britton, E. C., & Mills, L. E.** Insecticide. Ibid., 1931, No. 1,981,219.—**Britton, E. C., & Smith, F. B.** Insecticidal composition. Ibid., 1940, No. 2,225,619.—Insecticide. Ibid., 1942, No. 2,303,981.—**Brunson, H. A.** Insecticidal agent. Ibid., 1940, No. 2,204,009.—Insecticidal mercapto-oxazolines. Ibid., 1942, No. 2,282,931.—**Carter, R. H.** Insecticide. Ibid., No. 2,269,893.—Insecticide and fungicide. Ibid., No. 2,269,892.—**Christensen, L. M., & Miller, H.** Agricultural insecticide. Ibid., 1940, No. 2,215,603.—**Christmann, L. J., & Jayne, D. W.,**

- jr. Stabilized insecticides. Ibid., 1942, No. 2,300,611.—**Colbeth, I. M.** Insecticide. Ibid., 1941, No. 2,257,711.—**Coleman, G. H.** Insecticide. Ibid., 1942, No. 2,298,681.—**Fletcher, F. W.** Insecticidal composition. Ibid., No. 2,303,683.—**Coleman, G. H., & Moyle, C. L.** Insecticide. Ibid., 1940, No. 2,217,673.—**_____** Insecticidal composition. Ibid., 1941, No. 2,239,079.—**_____ & Livak, J. E.** Insecticidal composition. Ibid., No. 2,239,080.—**Collie, B., Hill, R., & Sexton, W. A.** Insecticidal composition. Ibid., No. 2,268,108.—**Coltof, W.** Insecticide and fumigant. Ibid., 1940, No. 2,217,358.—**Craig, W. E., & Hester, W. F.** Insecticide. Ibid., 1943, No. 2,312,801.—**Crosse, M.** Detoxicant and method of producing same. Ibid., 1942, No. 2,279,879.—**Davies, C. jr.** Low temperature coal tar derivative insecticide, fungicide, and the like, and process of making the same. Ibid., No. 2,269,336.—**Dreisbach, R. R., Fletcher, F. W., & Keller, M. O.** Insecticide. Ibid., 1941, No. 2,267,587.—**Eagleson, C.** Oil synergist for insecticides. Ibid., 1940, No. 2,202,145.—**Ellis, R. H.** Insecticide, fungicide, and germicide. Ibid., No. 2,207,482.—**Ericks, W. P., Cob, C., & Payne, N. M. C.** Insecticide. Ibid., 1942, No. 2,289,541.—**Faloon, D. B.** Insecticide. Ibid., 1939, No. 2,168,064.—**Fletcher, F. W., Flint, R. B., & Kaufert, F. H.** Insecticidal and fungicidal composition. Ibid., 1940, No. 2,208,253.—**Fletcher, F. W., Lynn, G. E., & Smith, F. B.** Insecticide. Ibid., 1941, No. 2,190,656.—**Flint, R. B., & Kaufert, F. H.** Pest control. Ibid., 1942, No. 2,287,235.—**Flint, W. P., & Hockenyo, G. L.** Insecticide composition and method for its application. Ibid., 1934, No. 1,982,909.—**Forbes, W. A.** Insecticide and/or fungicide. Ibid., 1935, No. 1,987,005.—**Ford, J. H., & Eck, H. W.** Lethal composition for insects. Ibid., 1943, No. 2,310,949.—**Freeman, A. F.** Insecticide. Ibid., 1942, No. 2,272,047.—**Gertler, S. I., & Haller, H. L. J.** Insecticide. Ibid., 1941, No. 2,261,735.—**Ginsburg, M. J.** Combined insecticide and larvicide. Ibid., 1940, No. 2,202,148.—**Grant, D. H.** Insecticidal composition. Ibid., 1934, No. 1,976,780.—**Guy, H. G.** Insecticidal composition. Ibid., 1941, No. 2,227,496.—**Haller, H. L. J.** Insecticide. Ibid., 1942, No. 2,292,756.—**Harvey, M. T.** Composition of matter and methods and steps of making and using the same. Ibid., 1941, No. 2,264,372.—**Harvill, E.** Insecticidal composition. Ibid., No. 2,243,207.—**Hass, H. B.** Pesticidal composition. Ibid., 1942, No. 2,281,239.—**Heath, S. B., & Keller, M. O.** Insecticidal composition. Ibid., 1940, No. 2,210,929.—**Hechenbleikner, I.** Insecticide and moth larvac repellent. Ibid., 1942, No. 2,274,476.—**Henninger, A. H.** Insecticide. Ibid., 1937, No. 2,088,651.—**Hester, W. F.** Insecticide. Ibid., 1940, No. 2,213,214 to No. 2,213,219; 1941, No. 2,243,479.—**_____** Insecticidal process. Ibid., 1941, No. 2,243,477.—**_____** Insecticidal composition containing an amine having one alkoxyalkylene group. Ibid., 1942, No. 2,302,388.—**Craig, W. E.** Insecticidal compositions. Ibid., No. 2,294,299.—**Hill, M. L., & Ferguson, B., jr.** Insecticide. Ibid., 1940, No. 2,192,347.—**Hively, H. D.** Insecticide. Ibid., No. 2,223,367.—**Hockenyo, G. L.** Insecticidal composition and method of preparing the same. Ibid., No. 2,197,500.—**_____** Insecticidal composition. Ibid., No. 2,222,968.—**Kilgore, L. B.** Insectifuge and insecticide. Ibid., 1937, No. 2,070,603.—**_____** Insecticidal and insectifugal compounds. Ibid., 1941, No. 2,228,170.—**Knapp, W. A.** Insecticide and method of using. Ibid., 1943, No. 2,315,965.—**Knight, H.** Depositing agent for solid insecticides. Ibid., 1941, No. 2,264,762.—**Kreff, O.** Insecticide. Ibid., 1942, No. 2,269,272.—**Kyrides, L. P.** Insecticide. Ibid., 1941, No. 2,267,204.—**Lecher, H. Z., & Joyce, A. W.** Chloronitroparaffins as insecticides. Ibid., 1942, No. 2,289,546.—**McIlvaine, W., & Henninger, A. H.** Insecticide. Ibid., 1937, No. 2,088,639; No. 2,088,640; No. 2,088,641.—**McLane, F. M.** Insecticidal composition including walnut shell flour. Ibid., 1942, No. 2,283,275.—**McPhail, M.** Insect lure. Ibid., 1943, No. 2,307,844.—**Martin, H.** Textile or the like pestproofing medium and use. Ibid., 1938, No. 2,127,879.—**Merrill, D. R.** Insecticide and fungicide and method of producing same. Ibid., 1935, No. 1,988,175.—**_____** Insecticide. Ibid., 1941, No. 2,237,356.—**Mills, L. E.** Insecticide. Ibid., 1936, No. 2,046,961.—**_____** Insecticidal compositions. Ibid., 1938, No. 2,121,038.—**Mohr, A. C.** Insecticide. Ibid., 1942, No. 2,281,784.—**_____** Insecticidal composition. Ibid., No. 2,281,785.—**_____** Insecticidal material. Ibid., No. 2,281,786.—**_____** Composition for insecticidal use. Ibid., No. 2,281,787.—**Moore, W.** Composition for combating insect pests. Ibid., 1940, No. 2,222,486.—**_____** α -phenyl cinnamic nitrile as an insecticide. Ibid., 1943, No. 2,307,700.—**_____** Cyclohexylidene ethyl cyanoacetate as an insecticide. Ibid., No. 2,307,701.—**_____** α -1-naphthyl cinnamic nitrile as a pest-control agent. Ibid., No. 2,307,702.—**_____** Benzal ethyl cyanoacetate as a pest-control agent. Ibid., No. 2,307,703.—**_____** Benzal octyl cyanoacetate as a pest-control agent. Ibid., No. 2,307,704.—**_____** N -amyl cinnamal ethyl cyanoacetate as a pest-control agent. Ibid., No. 2,307,705.—**Moyle, C. L., & Coleman, G. H.** Insecticide. Ibid., 1941, No. 2,234,381.—**Moyle, C. L., & Fletcher, F. W.** Insecticidal composition. Ibid., 1942, No. 2,286,222.—**Murphy, D. F.** Combination insecticide composition. Ibid., 1940, No. 2,203,919.—**_____** Insecticidal composition. Ibid., 1942, No. 2,294,238.—**Murray, C. W.** Insecticide. Ibid., No. 2,286,636.—**Parrish, W. C.** Insecticide. Ibid., 1936, No. 2,034,152.—**Peddrick, C. H., jr.** Insecticide. Ibid., 1940, No. 2,203,744.—**Pfaff, K.** Agents for killing insects. Ibid., 1934, No. 1,974,689.—**_____** & **Erlentach, M.** Insecticide. Ibid., 1940, No. 2,191,259.—**Philipp, H. von.** Insecticide. Ibid., No. 2,214,782.—**Ralston, A. W., & Harwood, J.** Insecticide. Ibid., No. 2,204,511.—**Remy, T. P.** Insecticide and fungicide. Ibid., 1935, No. 1,986,218; 1936, No. 2,045,925.—**Ripper, W. E.** Poison for combating insects. Ibid., 1940, No. 2,206,975.—**Roblin, R. O., jr., & Hechenbleikner, I.** Nitro bornyl phenols as insecticides. Ibid., 1942, No. 2,289,550.—**Roblin, R. O., jr., & Moore, W.** Unsaturated keto esters as insecticides. Ibid., No. 2,305,558.—**Rose, W. G.** Insecticide. Ibid., 1938, No. 2,140,481.—**Salzberg, P. L., & Bousquet, E. W.** Parasiticide derived from higher alcohols. Ibid., 1935, No. 1,993,040.—**Sankowsky, N. A., & Grant, D. H.** Process of preparing a colorless household insecticide. Ibid., 1934, No. 1,945,235.—**Savage, J.** Insecticide. Ibid., No. 1,981,926.—**Schechter, M. S., & Haller, L. J.** Insecticide. Ibid., 1940, No. 2,200,564.—**Searle, N. E.** Pest control. Ibid., 1942, No. 2,271,378.—**Sexton, W. A.** Insecticidal composition. Ibid., No. 2,277,158.—**Siegler, E. H.** Insect larval lure. Ibid., 1941, No. 2,263,827.—**Simanton, W. A.** Insecticide. Ibid., 1937, No. 2,089,766.—**Smith, F. B., & Hansen, J. N.** Parasiticide. Ibid., 1942, No. 2,287,836.—**Smith, L. E.** Insecticide. Ibid., 1940, No. 2,191,299 to No. 2,191,301; No. 2,217,566; No. 2,226,672; 1941, No. 2,239,832; 1942, No. 2,291,192 to No. 2,291,194.—**_____ & Haller, H. L. J.** Composition of matter for use as an insecticide. Ibid., 1942, No. 2,271,350.—**Swaine, J. W.** Organic insecticide and its use. Ibid., 1940, No. 2,212,529.—**_____** Organic contact insecticide and its use. Ibid., 1942, No. 2,283,471.—**Tendeloo, H. J. C.** Insecticide, fungicide, and the like. Ibid., 1940, No. 2,225,573.—**Ter Horst, W. P.** Stabilization of insecticide materials. Ibid., 1941, No. 2,268,353.—**_____** Stabilization of insecticides. Ibid., 1942, No. 2,279,800.—**Thordarson, W.** Insecticide and fertilizer and method of manufacture. Ibid., 1934, No. 1,976,905.—**Tisdale, L. E.** Insecticidal composition. Ibid., 1941, No. 2,228,096.—**Treboux, J.** Agent for combating pests. Ibid., 1940, No. 2,221,931.—**Van Peski, A. J., & Hoeffelman, J. M.** Insecticide and fumigant. Ibid., 1939, No. 2,152,003.—**Vivian, D. L., & Haller, H. L. J.** Insecticide. Ibid., 1937, No. 2,094,831.—**Volck, W. H.** Insecticidal composition. Ibid., 1940, No. 2,196,448.—**Vorhees, V.** Light stable insecticide. Ibid., 1935, No. 2,011,428.—**Whitmire, H. E.** Insecticide. Ibid., 1940, No. 2,204,197.—**_____** Manufacture of insecticides. Ibid., 1941, No. 2,267,385.

Plant sources.

Higbee, E. C. Insecticidal plants in the Americas. *Bull. Panamer. Union*, 1942, 76: 252-7.—**McIndoo, N. E.** Insecticides derived from plants. *J. Econ. Entom.*, 1942, 35: 285.—**Mironov, V. S.** [*Acorus calamus* as insecticide and repellent] *Med. parazit.*, 1940, 9: 409.—**Roark, R. C.** The examination of plants for insecticidal constituents. *J. Econ. Entom.*, 1942, 35: 273-5.—**Siegler, E. H., & Jones, H. A.** Extracts of apple peels as adjuvants to lead arsenate against the codling moth larva. Ibid., 225.—**Tattersfield, F., & Gimmingham, C. T.** The insecticidal properties of *Tephrosia macropoda* Harv. and other tropical plants. *Ann. Appl. Biol.*, Lond., 1932, 19: 253-62.—**Tattersfield, F., & Potter, C.** The insecticidal properties of certain species of *Annona* and of an Indian strain of *Mundulea sericea* (Supli) Ibid., 1940, 27: 262-73.—**Worsley, R. R. L.** The insecticidal properties of some East African plants. Ibid., 1934, 21: 649-69.—**_____** The insecticidal properties of some East African plants; *Mundulea suberosa* Benth. Ibid., 1937, 24: 651-64.

Poisoning.

BELLEFONTAINE, L. *Die Gefährlichkeit der Schädlingsbekämpfungsmittel für den Menschen. 30p. 21cm. Bonn, 1937.

HELLMER, H. *Zufällige und fahrlässige Vergiftungen durch Schädlingsbekämpfungsmittel. 20p. 22½cm. Heidelb., 1937.

REINDL, H. *Die gesundheitliche Schädigung bei der Schädlingsbekämpfung [München] 47p. 8° Würzb., 1937.

Cox, A. J. Problem of insecticide spray residue. *Am. J. Pub. Health*, 1941, 31: 1163-8.—**Lendrich, K.** Die Bedeutung der Schädlingsbekämpfung mit Arsen und Bleiverbindungen in der Landwirtschaft für die Lebensmittelversorgung. *Arch. Hyg., Berl.*, 1928, 100: 57-64.—**Mogk, W.** Die wirksamen Bestandteile der Schädlingsbekämpfungs- und Desinfektionsmittel und die Vergiftungserscheinungen am Menschen. *Zschr. Desinfekt.*, 1926, 18: 93; 179.—**Myers, C. N., Throne, B.** [et al.] Significance and danger of spray residue. *Indust. Engin. Chem.*, 1933, 25: 624-8.—**Parker, J. R.** Intoxication par l'arsenic chez l'homme et les animaux à la suite des campagnes de destruction des sauterelles. *Bull. Off. internat. hyg. pub.*, Par., 1937, 29: 966-71.—**Schoofs, F.** Les insecticides et parasitocides considérés comme causes d'intoxication et comme agents de maladies professionnelles. *Arch. méd. sociale, Brux.*, 1940, 3: 39-42.—**Schwartz, L.** Dermatitis due to pyrethrum contained in an insecticide. *Pub. Health Bull.*, Wash., 1934, No. 215, 51-4.—**Seyfarth.** Gesundheitsschädliche Verwendung von Schweinefurfur Grün als Ungeziefermittel, besonders als Zusatz zum Tapetenkleister. *Zschr. Medbeamte*, 1914, 27: 365-71.—**Simons, R. D. G. P., & Simons-Jantzen, J.** [Flit-dermatitis, caused not only by Flit; difference in dermatopit and insecticide reactions caused by Flit, Shelltox and other

insecticides] Geneesk. tschr. Ned. Indië, 1939, 79: 2442-54, pl.—**Steyn, D. G., & Bekker, P. M.** The toxicity of some dipping fluids containing arsenic and sulphur. Onderstepoort J. Vet. Sc., 1938, 11: 247-55.—**Vastagh, G.** [Public health aspects of the use of insecticides in agriculture] Népegészségügy, 1938, 19: 263-72.

— Preparation.

See also subheadings Patents; also proper names of insecticide substances as **Ethylene, oxide; Fluorine; Nicotine; Pyrethrum, etc.**

Abbatucci, S., & Roubaud, E. Experiences sur un liquide insecticide commercial à base de pétrole et de poudre de pyréthre. Bull. Soc. path. exot., Par., 1926, 19: 901-3.—**Boldirev, T. E.** [Disinsection tests with chloropirrin in barracks] Voenn. med. J., Moskva, 1931, 2: 211-4.—**Bremer, H.** Schädlingsbekämpfung mit flüssigen Arseniköden in Deutschland. Anz. Schädlingsk., 1926, 2: 56-8.—**Carroll, J.** Mineral oils as insecticides. Econ. Proc. R. Dublin Soc., 1936-38, 3: 63-74.—**Carter, R. H.** The nature of cobalt once recommended for control of the tobacco hornworm. J. Econ. Entom., 1942, 35: 792.—**Götz, B.** Sexualduftstoffe als Lockmittel in der Schädlingsbekämpfung. Umschau, 1940, 44: 794-6.—**Golivine & Riquieu.** Essais de destruction de certaines insectes avec le Givral. Bull. Soc. path. exot., Par., 1929, 22: 681-3.—**Gounelle, H. F. H., & Raoul, Y.** La désinsectisation par la chloropirrine; étude critique de la méthode en milieu militaire. Rev. serv. san. mil., Par., 1937, 106: 881-96.—**Hasselmann, C. M.** Neuere Reizstoffzusätze zur Blausäure bei Entwesungen. Zbl. Gewerbehyg., 1927, n. F., 4: 65-9.—**Hengl, F., & Reckendorfer, P.** Ueber die Prüfung von Schweinfurtergrün und die Herstellung von Schweinfurtergrünbrühen. Anz. Schädlingsk., 1928, 4: 41-6.—**Hülseberg.** Versuche mit Calciumcyanid zur Bekämpfung von Gewächshauschädlingen. Zschr. angew. Entom., 1928, 14: 285-315.—**Insecticides** as locust poisons. Analyst, Lond., 1942, 67: 165.—**Kagy, J. F., & Boyce, A. M.** Solubilizers for petroleum oils and extracts of rotenone-bearing roots. J. Econ. Entom., 1941, 34: 804-11.—**Kelly, E. G.** The creosote-calcium cyanide chinch bug barrier. Ibid., 1926, 19: 121-3, 3 pl.—**King, H. H.** A note on the use of dried poison bait against locusts in Sudan. Bull. Entom. Res., Lond., 1929-30, 20: 99-101.—**Klemm, M.** Zur Frage über den Einfluss von Kalk auf die Giftwirkung des Kalziumarsenats. Zschr. angew. Entom., 1927-28, 13: 565-7.—**Lepage, H. S.** O brometo de metila como insecticida. Biologico, S. Paulo, 1941, 7: 128-34.—**Lincoln, C. G.** Pellet bait for control of the alfalfa snout beetle. J. Econ. Entom., 1942, 35: 236.—**Mansell, R. A.** Note on experiments towards the production of a cheap insecticide for anti-mosquito work. J. R. Army M. Corps, 1930, 54: 123-7.—**Marcovitch, S.** Volatile fluorine compounds for the control of insects. J. Econ. Entom., 1942, 35: 288.—**Marcus, A.** Ein neues Kontaktmittel (Forestit-Merck) in der Schädlingsbekämpfung. Zschr. angew. Entom., 1932, 19: 68-84.—**Phosphorwasserstoff** zur Schädlingsbekämpfung. Reichsgesundhbl., 1936, 11: 380.—**Potter, C., & Musgrave, A. J.** Some preliminary experiments with β -butoxy- β -thiocyanodithylether as an industrial insecticide. Ann. Appl. Biol., Lond., 1940, 27: 110-21.—**Raynaud, L.** Sur un nouvel appareil permettant d'employer la chloropirrine sans masque et sans danger, pour la destruction des parasites des habitations. Bull. Off. internat. hyg. pub., Par., 1930, 22: 763-5.—**Riscaldo (II)** del frumento e il solfuro di carbonio quale insetticida. Gior. farm. chim., Tor., 1875, 24: 515-8.—**Ritcher, P. O., & Jewett, H. H.** White grub control with dichloroethyl ether. J. Econ. Entom., 1942, 35: 441-5.—**Stetter, R.** Cuprex als Ungeziefermittel bei Hunden. Münch. tierärztl. Wschr., 1926, 77: 85-8.—**Sullivan, W. N., Goodhue, L. D., & Fales, J. H.** The use of fatty acids in insecticidal aerosols. Science, 1941, 94: 444.

— Preparation, repellent.

Carter, R. H. Insect repellent. U. S. Patent Off., 1942, No. 2,272,044.—**Cleveland, C. R.** Insect repellent. Ibid., 1934, No. 1,963,955.—**Granett, P.** Insect repellent. Ibid., 1940, No. 2,213,156; 1942, No. 2,293,255; No. 2,293,256; No. 2,273,860; No. 2,274,267.—**Lewis, H. C.** Lime zinc spray as a repellent for leafhoppers on citrus. J. Econ. Entom., 1942, 35: 362-4.—**Ralston, A. W., & Barrett, J. P.** Insect repellent containing aliphatic alcohols. U. S. Patent Off., 1941, No. 2,254,665.—**Insect repellent** containing nitriles. Ibid., 1942, No. 2,280,850.—**Roark, R. C., Parman, D. C.** [et al.] Repellents for blowflies. Indust. Engin. Chem., 1927, 19: 942.—**Simanton, W. A.** Insect repellent. U. S. Patent Off., 1937, No. 2,089,767.—**Tisdale, W. H., & Williams, I.** Insect repellent. Ibid., 1940, No. 2,205,232.—**Waples, F. A.** Insect repellent. Ibid., No. 2,224,622.—**Wasum, L. W.** Insect repellent. Ibid., 1942, No. 2,302,159.

— Spray.

Adams, E. W., & Sharp, T. E. Insecticidal oil spray. U. S. Patent Off., 1941, No. 2,258,833.—**Arnold, R. B.** Insecticide spray material and method of making the same. Ibid., 1943, No. 2,311,629.—**Baber, E.** Note on experiments made with the object of finding an efficient and economical insecticide spray for the destruction of mosquitoes and flies. J. R. Army M. Corps, 1934, 62: 411-8.—**Back, E. A., & Crossman, S. S.** Miscible oil vs fish oil soap sprays for the control of Florida

aleyrodids. J. Econ. Entom., 1917, 10: 453-8.—**Barritt N. W.** A new spray for scale-insects on citrus in Egypt. Bull. Entom. Res., Lond., 1929-30, 20: 44.—**Coleman, G. H.** Insecticidal spray. U. S. Patent Off., 1940, No. 2,210,900.—**— & Zemba, J. W.** Spray composition. Ibid., No. 2,194,924.—**Cressman, A. W.** Methods of measuring spray oil deposits. J. Econ. Entom., 1941, 34: 798-804.—**DeOng, E. R.** Progress report on the use of petroleum oil as an insecticidal spray. Ibid., 1928, 21: 525-9.—**Fahey, J. E.** A study of clays used in preparation of tank-mix nicotine bentonite sprays. Ibid., 1941, 34: 106-8.—**Green, E. L.** Lubricating oils as insecticides in dormant spraying. Indust. Engin. Chem., 1927, 19: 931-5.—**Hoskins, W. M.** Some recent advances in the chemistry and physics of spray oils and emulsions. J. Econ. Entom., 1941, 34: 791-8.—**Knight, H.** Tree spray. U. S. Patent Off., 1941, No. 2,264,761.—**— & Cleveland, C. R.** Recent developments in oil sprays. J. Econ. Entom., 1934, 27: 269-89.—**Leiby, R. W.** Cold stream spraying machines. Ibid., 1927, 20: 281-4, 2 pl.—**Lindstedt, F. F.** Horticultural spray oil. U. S. Patent Off., 1940, No. 2,222,109.—**Horticultural emulsion spray compound.** Ibid., 1941, No. 2,243,254.—**Marshall, J.** The term inverted spray mixture. J. Econ. Entom., 1942, 35: 948.—**Orelup, J. W.** Insecticidal spray. U. S. Patent Off., 1940, No. 2,190,673.—**Parkin, E. A.** Biological assay of insecticidal sprays. Nature, Lond., 1942, 149: 720-2.—**Sharland, W.** Pests, parasites and poisons. Australas. J. Pharm., 1928, n. ser., 9: 814; 1028.—**Smith, L. M.** Toxicants used with petroleum oil sprays for deciduous fruits. J. Econ. Entom., 1941, 34: 844-53.—**Stober.** Ueber die Wirkungsweise einiger ungiftiger Spritzmittel auf Insekten. Zschr. angew. Entom., 1929, 15: 165-9.—**Weitkamp, A. W.** Insecticidal oil spray. U. S. Patent Off., 1941, No. 2,258,832.

— Testing.

Campbell, F. L., Barnhart, C. S., & Hutzel, J. M. Tests on crawling insects; evaluating liquid household insecticides against the German cockroach and bedbug; a final report on research project at Ohio State University. Rev. Appl. Entom., Lond., 1942, 30: 71 (Abstr.).—**Campbell, F. L., Snedecor, G. W., & Simanton, W. A.** Biostatistical problems involved in the standardization of liquid household insecticides. J. Am. Statist. Ass., 1939, 34: 62-70.—**Craufurd-Benson, H. J.** An improved method for testing liquid contact insecticides in the laboratory. Bull. Entom. Res., Lond., 1938, 29: 41-56, pl.—**Finney, D. J.** Examples of the planning and interpretation of toxicity tests involving more than one factor. Ann. Appl. Biol., Lond., 1942, 29: 330-2.—**François, M., & Séguin, L.** Analyse des insecticides, taupicides, raticides, etc.; insecticides au cobalt, au borate de soude, au paradichlorobenzène. J. pharm. chim., Par., 1927, 8. ser., 5: 425-48.—**Analyse des insecticides; insecticides liquides miscibles à l'eau; alcool, mercure et formol, acide picrique, nicotine, suc d'ail.** Ibid., 1928, 8. ser., 8: 105-12.—**Analyse des insecticides; insecticides, liquides non miscibles à l'eau; carbures mélangés; tétrachlorure de carbone; nitrobenzine; naphthaline; salicylate de méthyle.** Ibid., 1929, 8. ser., 9: 49-58. Also Ann. falsif., Par., 1929, 22: 226-32.—**Fulton, R. A., & Nelson, R. H.** Compatibility of Bordeaux mixture and cube. J. Econ. Entom., 1941, 34: 647-9.—**Gimingham, C. T., & Tattersfield, F.** Laboratory experiments with non-arsenical insecticides for biting insects. Ann. Appl. Biol., Lond., 1928, 15: 649-58, pl.—**Moore, W., & Bliss, C. I.** A method for determining insecticidal effectiveness using Aphis rumicis and certain organic compounds. J. Econ. Entom., 1942, 35: 544-53.—**Morrison, F. O.** The standardizing of a laboratory method for comparing the toxicity of contact insecticides. Canad. J. Res., 1943, 21: Sect. D, 35-75.—**Peters, G.** Die biologisch-chemische Eignungsprüfung gasförmig wirkender Insektizide. Anz. Schädlingsk., 1938, 14: 116-22.—**Potter, C.** The film technique of insecticide testing. Ann. Appl. Biol., Lond., 1942, 29: 329.—**— & Hocking, K. S.** An apparatus for testing and comparing the biological action of insecticides on flying insects and a method for sampling the concentration of the atomized insecticide. Ibid., 1939, 26: 348-64.—**Stellwaag, F.** Giftigkeit und Giftwert der Insecticide; Ziele und besondere Methodik bei der Bestimmung der Giftigkeit im Individualversuch. Zschr. angew. Entom., 1931, 18: 113-53.—**Swingle, M. C., Phillips, A. M., & Gahan, J. B.** Laboratory testing of natural and synthetic organic substances as insecticides. J. Econ. Entom., 1941, 34: 95-9.—**Tattersfield, F.** An apparatus for testing contact insecticides. Ann. Appl. Biol., Lond., 1934, 21: 691-703, pl.—**Biological methods of testing insecticides; a review.** Ibid., 1939, 26: 365-84.—**Testing insect-proofing compounds; American Society for Testing Materials, Committee D13.** Analyst, Lond., 1942, 67: 171 (Abstr.).—**Wene, G., & Dominick, C. J.** Laboratory tests with insecticides against the tobacco flea beetle. J. Econ. Entom., 1942, 35: 183.—**Yothers, M. A., & Griffin, S. W.** Tests of rotenone, anabasine, nicotine, and other insecticides against the woolly apple aphid and the apple aphid. Ibid., 1940, 33: 800-3.

INSECTIVORA.

See also under names of families as **Talpidae, etc.**

Arnold, H. Das Haar-, Borsten- und Stachelkleid der Centetinen. Ausz. Inaugur. Diss. Med. Fak. Univ. Bern, 1933-35, No. 38, 1-4.—**Dräseke, J.** Zur Kenntnis der makro-

skopischen Anatomie der Insektivoren. *Anat. Anz.*, 1932, 74: 167-72. — Zur makroskopischen Anatomie der Insektivoren mit vergleichenden anatomischen Hinweisen. *Ibid.*, 1934, 78: 351-60. — **Stroganov**, S. U. Insektivore mammals of the fauna of the USSR. *C. rend. Acad. sc. URSS*, 1941, 33: 270-2.

INSECURITY.

See also **Group**, Social security.

Faver, H. E. Insecurity in childhood. *Ment. Hyg. News*, Alb., 1934 33, 5: No. 8, 3. — **Maslow**, A. H. The dynamics of psychological security-insecurity. *Character & Personality*, 1941-42, 10: 331-44.

INSEMINATION.

See **Impregnation**.

INSIGHT.

See **Intuition**.

INSIGNARES Vieco, Lorenzo. — 1940.

Neurología. *Rev. med. cir.*, Barranquilla, 1940, 7: No. 10, 8 bis, portr.

INSIGNIA.

See also **Army**; **Caduceus**; **Medal**, etc.

Ayers, C. L. Acceptance of the badge of service. *J. M. Ass. Georgia*, 1935, 24: 203. — **Badge** (The) of the Dublin meeting. *Brit. M. J.*, 1933, 1: Suppl., 11. — **Besson**, A. Remise à M. le Professeur Baltus des insignes de Commandeur de Saint-Grégoire le Grand. *J. se. méd. Lille*, 1924, 42: pt 2, 429-31. — Remise des insignes de Commandeur de Saint-Grégoire le Grand à M. le professeur Delassus. *Ibid.*, 1926, 44: pt 2, 397. — Remise des insignes de Commandeur de Saint-Grégoire le Grand à M. le Professeur Thilliez. *Ibid.*, 1927, 45: pt 1, 296. — **Holden**, O. Wound stripes. *Brit. M. J.*, 1918, 2: 208. — **Keogh** (The) banner. *Ibid.*, 1938, 1: 546. — **Riesman**, D. Dr Richard Mead and the motto of the College of Physicians of Philadelphia. *Med. Life*, 1935, 42: 187-201. — **Selman**, W. A. Delivery of the badge of service to president Clarence L. Ayers. *J. M. Ass. Georgia*, 1935, 24: 203.

INSINGER, François Gerard. *Over perforaties van maag- en duodenumzweren [Amsterdam] 312p. tab. 3 diagr. 25cm. Utrecht, Kemink & zoon [1929]

INSKIP, Betty, 1905—

See **Frisch**, K. v. You and life. Transl. by T. Inskip. 270p. 22cm. Lond., 1940.

INSOLATION.

See also **Climate**; **Heliotherapy**; **Light**; **Sunlight**; **Ultraviolet ray**. For pathological effect of sunrays see **Heatstroke**.

Brooks, C. E. P. Radiation from the sun. *Nature*, Lond., 1942, 150: 226. — **Brown**, E. W. Changes in the length of the day. *Annual Rep. Bd Regents Smithsonian Inst.*, 1937, 169-75. — **Clarke**, G. L., & **James**, H. R. Laboratory analysis of the selective absorption of light by sea water. *J. Optic. Soc. America*, 1939, 29: 43-55. — **Cosmic** relations; geomagnetic studies on fluctuations in solar radiation (Bartels) Yearb. Carnegie Inst. Washington, 1940 (1939-40) 39: 63-5. — **Ellis**, C., & **Wells**, A. A. Amounts and distribution of solar ultraviolet. In their *Chem. Action UV Rays*, rev. ed., N. Y., 1941, 195-202. — **Freundlich**, E. Ueber die Quelle der Sonnenstrahlung. *Scientia*, Bologna, 1928, 44: No. 10, 239-46; transl. Suppl., 106-12. — **Hausmann**, W. The relationship of light-climatic research to public health. *Brit. J. Phys. M.*, 1933, 7: 177. — **Hoelper**, O. Strahlungsklimatische Fragen im Ultraviolett. *Balneologie*, 1934, 1: 284-9. — **Hulburt**, E. O. Attenuation of light in the lower atmosphere. *J. Optic. Soc. America*, 1935, 25: 125-30. — **Johnston**, H. L. Daylight variations. *Tr. Illum. Engin. Soc.*, 1939, 34: 783-97. — **Kimball**, H. H. Solar radiation and its rôle. *Bull. U. S. Nat. Res. Council*, 1931, 79: 35-66. — **Lejay**, P. L'absorption du rayonnement solaire par l'atmosphère dans la bande A. *C. rend. Acad. sc.*, 1937, 205: 585-8. — **Liese**, W. Zur Kritik des Tageslichtquotienten. *Arb. Reichsgesundh. u.*, 1936, 70: 277-86. — **Linhart**, G. A. Penetration of solar and cosmic rays into fresh water lakes. *J. Phys. Chem.*, 1936, 40: 113-9. — **Linke**, F. Die Sonnen- und Himmelsstrahlung. *Strahlentherapie*, 1928, 28: 6-17. — **Mathias**, O. Die durchdringende Strahlung in der Atmosphäre. *Ibid.*, 1931, 40: 390. — **Mercier**, L. Les radiations électriques solaires. *Rev. cosmobiol.*, Nice, 1938-39, 4: 149-55. — **Powell**, W. M., & **Clarke**, G. L. The reflection and absorption of daylight at the surface of the ocean. *J. Optic. Soc. America*, 1936, 26: 111-20. — **Süring**, R. Forschungsmethoden der Sonnen- und Himmelsstrahlung. *Zschr. wiss. Bäderk.*, 1927-28, 2: 585-90. — **Utterback**, C. L., & **Jorgensen**, W. Scattering of daylight in the sea. *J. Optic. Soc. America*, 1936, 26: 257-9. — **Whitney**, L. V. A general law of diminution

of light intensity in natural waters and the percent of diffuse light at different depths. *Ibid.*, 1941, 31: 714-22. — **Young**, R. T., jr. On the calculation of absorption coefficients of daylight in natural waters. *Ibid.*, 1938, 28: 95-9.

Climatology.

See also **Climatography**.

IVES, J. E., & **GILL**, W. A. Measurements of ultraviolet radiation and illumination in American cities during the years 1931 to 1933. 36p 8°. Wash., 1937.

Angström, A. [Sunlight or the Swedish west-coast] Hygien, Stockh., 1928, 90: 779-89. — **Busse**, W. Das Strahlungsklima des nördlichen Schwarzwaldes. *Zschr. wiss. Bäderk.*, 1927-28, 2: 1071-9. — **Bustos Navarrete**, J. Las investigaciones realizadas en Chile por el Observatorio del Salto sobre la radiación solar y el tiempo. *Proc. Am. Soc. Congr.* (1940) 1942, 8. Congr., 7: 399-402. — La acción de las variaciones de la radiación solar en la circulación atmosférica del Pacífico. *Ibid.*, 402. — **Court**, A. Insolation in the Polar atmosphere. *J. Franklin Inst.*, 1943, 235: 169-78, pl. — **Dorno**, C. Tägliche, jährliche und säkulare Schwankungen der Sonnenstrahlung in Davos. *Praxis*, Bern, 1928, 17: H. 38, 1. — Tägliche, jährliche und säkulare Schwankungen der Sonnenstrahlung nach Beobachtungen in Davos. *Strahlentherapie*, 1928-29, 31: 330-48. — **Galbas**, P. A. Sonnenstrahlungs-klimatologisches Stationsnetz im Deutschen Nordseegebiet. *Zschr. wiss. Bäderk.*, 1928-29, 3: 157-62. — **Gätz**, F. W. P. Ueber das Strahlungsklima. Schweiz. med. Wschr., 1934, 64: 701. — Sonnenaktivität und Strahlungsklima. *Fundam. radiol.*, Berl., 1939, 4: 33-5. — **Gorczyński**, W. Ueber hohe Werte der Sonnenstrahlungs-Intensität, die auf den Ozeanen, an Landstationen und in den höheren Luftschichten beobachtet wurden. *Strahlentherapie*, 1930-31, 33: 587-600. — **Hausmann**, W. Die medizinische Lehre vom Licht und ihre Beziehung zur Klimatologie. *Zschr. wiss. Bäderk.*, 1929-30, 4: 26-33. — **Herman**, L., & **Bernstein**, F. Relation entre les variations de l'intensité du rayonnement solaire ultraviolet, mesurée au niveau du sol, et la pollution de la basse atmosphère. *C. rend. Acad. sc.*, 1937, 204: 708-10. — **Kenrick**, G. W., & **Del Toro**, J., jr. Estudios de la radiación solar en su relación con la biofísica y con el problema de la salud y el clima en general. *Puerto Rico J. Pub. Health*, 1939-40, 15: 420-31. — **Kestner**, O. Strahlungsmessung nördlich des Polarkreises. *Arch. ges. Physiol.*, 1927, 217: 504-8. — & **Borchardt**, W. Weitere Strahlungsmessungen nördlich des Polarkreises. *Ibid.*, 218: 469-74. — **Kimball**, H. H., & **Hand**, I. F. The intensity of solar radiation as received at the surface of the earth and its variations with latitude, altitude, the season of the year and the time of day. In *Biol. Effects Radiat.* (Duggar, B. M.) N. Y., 1936, 1: 211-26. — **Knoche**, W. Zum bioklimatischen Strahlungsklima. *Zschr. ges. phys. Ther.*, 1928, 35: 67-74. — **Lacoin**, L. Sur le rapport probable entre certains faits anormaux constatés dans l'Afrique tropicale et le retour à date fixe de propriétés radiographiques spéciales de la lumière solaire. *C. rend. Congr. internat. radiol. ionis.* (1905) 1906, 1. Congr., sect. phys., French pt, 215-7. — **Linke**, F. Grundgedanken einer Lichtklimatologie. *Fundam. radiol.*, Berl., 1939, 4: 29-32. — **Lunelund**, H. Ueber die Helligkeit in Finnland. *Kongrber. Internat. Kongr. Lichtforsch.*, 1936, 3. Congr., 670-6. — **Mörkofer**, W. Quelques résultats de la climatologie de radiation d'importance biologique. *Ann. internat. méd. phys.*, Anvers, 1937, 30: 126-9. Also *Liège méd.*, 1937, 30: 1057-9. — **Murakami**, J., & **Nisida**, H. On the intensity of the sun-rays in Dairen. *Polycid. Dairen*, 1926-28, 3: No. 17, 1-3; No. 18, 1. — **Riemerscheid**, G. South African Solar Radiation Survey, 1937-38. *Onderstepoort J. Vet. Sc.*, 1940, 15: 343-430. — **Roffo**, A. E., jr. Radiaciones solares; determinaciones cualitativas de los ultravioletas solares, durante noviembre de 1939 a noviembre de 1940 en el laboratorio de física del Instituto de Medicina Experimental. *Bol. Inst. med. exp. cáncr.*, B. Air., 1940, 17: 913-22, pl. — **Sá Pereira**, A. de. Da insolação domiciliar e sua applicação á cidade do Rio de Janeiro. *Ann. Acad. med. Rio*, 1909, 75: 1911, 51-97, 3 pl. — **Schultze**, W., & **Händel**, F. Vergleichende Strahlungsuntersuchungen zwischen Hochgebirge und Mittelgebirge. *Strahlentherapie*, 1928-29, 31: 357-63. — **Stenz**, E. (Solar radiation on Black Mountains) *Polska gaz. lek.*, 1926, 5: 338. — **Tonney**, F. O. Loss of active sunshine as a health problem of cities. *Am. J. Pub. Health*, 1933, 23: 775-83. — **Wafsi Omar**. Measurements of the biologically active ultra-violet rays of sunlight in Cairo. *J. Egypt. M. Ass.*, 1932, 15: 828-71.

Measurement.

See also **Photometry**.

Abbot, C. G., & **Aldrich**, L. B. The standard scale of solar radiation. *Smithson. Misc. Coll.*, 1934, 92: No. 1, 1-3. — **Atkins**, W. R. G. Photo-electric measurements of the seasonal variations in daylight around 0.41 μ , from 1930 to 1937. *Proc. R. Soc., Lond.*, 1938, ser. A, 165: 453-65. — & **Poole**, H. H. Methods for the photo-electric and photo-chemical measurement of daylight. *Biol. Rev. Cambridge Philos. Soc.*, 1930, 5: 91-113. — **Bordier**. Sur un nouvel hélio-actinomètre. *C. rend. Acad. sc.*, 1931, 193: 1044. — **Coblentz**, W. W. Methods of evaluating ultra-violet solar radiation in absolute units. *Month. Weather Rev.* Wash., 1936, 64: 319-21. — **Goldschmidt**

H. Lichtelektrische Zellen für Sonnen- und Tageslichtmessungen. Strahlentherapie, 1931, 40: 706.—**Harding, L. A.** Pyrheliometers and the measurement of total solar radiation. Tr. Am. Soc. Heat. Ventil. Engin., 1936, 42: 367-82.—**Varden, L. E.** Comment on a footcandle-hour integrator for daylight, by A. H. Taylor. J. Optic. Soc. America, 1941, 31: 507.

INSOM, Tom. Ricerche sull'assunzione del ferro da parte dei protofitti. 67p. 8°. Padova, A. Milani, 1932.

INSOMNIA.

See also **Sleep, Disorder;** also **Dream.**

CRICHTON-MILLER, H. Insomnia; an outline for the practitioner. 172p. 8°. Lond., 1930.

CROSBY, G. J. V. Insomnia and disordered sleep. 95p. 8°. Lond. [1935]

HELP YOUR DOCTOR TO HELP YOU WHEN YOU HAVE INSOMNIA. 29p. 19cm. N. Y. [1942]

HUTCHINSON, W. Insomnia and insomniacs; a common-sense talk about a prevalent modern disease. p.366-72. 8°. N. Y., 1910.

MILLER, E. Insomnia and other disturbances of sleep. 88p. 16°. Lond., 1935.

MILLET, J. A. P. Insomnia; its causes and treatment. 195p. 19½cm. N. Y. [1938]

RIGGS, A. F. Talks to patients; insomnia. 37p. 8° [n. p.] 1919.

STEKEL, W. Der Wille zum Schlaf: Altes und Neues über Schlaf und Schlaflosigkeit. 55p. 8°. Wiesbaden, 1915.

WALSH, J. J. Insomnia as a dread. 14p. 8° [Phila., 1916]

Berman, S. Insomnia. S. Afr. M. J., 1935, 9: 37-40.—**Bettolo, A.** L'insonnia e sua importanza clinica; le sue cause predisponenti e determinanti, i suoi caratteri nelle diverse malattie, la sua importanza prognostica ed il suo trattamento generale e speciale. Studium, Nap., 1931, 21: 54-65.—**Bléichmann, G.** Un nourrisson insomniacque. Hôpital, 1933, 21: 476.—**Callender, E. M.** Insomnia. Lancet, Lond., 1927, 2: 1280-2.—**Challiol, V.** L'insonnia. Gior. med. prat., 1936, 18: 111-3.—**Claparède, E.** Le sommeil et la veille. J. psychol. norm. path., Par., 1929, 26: 433-93.—**Evans, G.** Insomnia. S. Barth. Hosp. J., Lond., 1935-36, 43: 55-8.—**Feiling, A.** Insomnia. Practitioner, Lond., 1932, 129: 120-9.—**Galdston, I.** Can insomnia conquer England? Clipping from: American Mercury, May 1941, 607-12.—**Gordon, R. G.** Insomnia. Bristol Med. Chir. J., 1932, 49: 147-56.—**Green, E. H.** Sleep and sleeplessness. Med. Bull. Veterans Admin., 1932, 8: 140-5.—**Gusterson, A. L.** Insomnia. Nurs. Times, Lond., 1934, 30: 193.—**Hill, H.** Insomnia. J. R. Nav. M. Serv., 1927, 13: 109-24.—**Insomnia; its causes and treatment.** Ind. M. Rec., 1935, 55: 8-10.—**Kamman, G. R.** Insomnia. Minnesota M., 1935, 18: 143-7.—**Kingman, R.** The insomniac; a psychological consideration of sleep and wakefulness. Med. J. & Rec., N. Y., 1929, 129: 683; 130: 17.—**Kraines, S. H.** Insomnia. In his Ther. Neuroses, Phila., 1941, 332-8.—**McCray, D. W.** To sleep or not to sleep. Hygeia, Chic., 1940, 18: 773-5.—**McQuiston, J. S.** Insomnia. J. Iowa M. Soc., 1939, 29: 595-600.—**Mantella, G.** L'insonnia. Rinasc. med., 1937, 14: 561.—**Marrs, W. T.** A clinical consideration of insomnia. Med. Times, N. Y., 1910, 38: 331-5.—**Martin, J. P.** Insomnia. In Brit. Encycl. M. Pract. (Rolleston, H.) Lond., 1938, 7: 191-6.—**Muncie, W.** Insomnia in clinic psychiatric practice. Bull. Johns Hopkins Hosp., 1934, 55: 131-53.—**North, H. M.** Sleep and sleeplessness. Med. J. Australia, 1935, 2: 167-70.—**Ochsner, E. H.** Insomnia. Clin. M. & S., 1937, 44: 152.—**Pedersen, V. C.** Insomnia from another point of view. Med. Rec., N. Y., 1937, 146: 434-8.—**Petermann, G.** Ein Beitrag zur Schlaflosigkeit. Mitt. Biochem., 1936, 43: 4-6.—**R., S.** L'insonnie. Rev. gén. clin. théor., 1923, 37: 249.—**Riddell, W. R.** An old case of chronic insomnia. N. York M. J., 1916, 103: 8-10.—**Robinson, W. J.** Insomnia. Med. Critic, 1917, 20: 363.—**Ross, T. A.** An aspect of insomnia. Practitioner, Lond., 1940, 144: 329-36.—**Salmon, A.** L'insonnia. Riforma med., 1936, 52: 1378-85.—**Scripture, E. W.** A case of defective sleep-shunt. Lancet, Lond., 1920, 2: 652.—**Sleep versus insomnia.** Ind. M. Rec., 1937, 57: 7-10.—**Smith, H. M.** Insomnia. J. Florida M. Ass., 1930-31, 17: 18-22.—**Smithies, F.** [Insomnia, great physical weakness, tremor of hands, mild hallucinations, shortness of breath and dizziness] Q. M. Clin., 1919, 1: 118-25, pl.—**Stadelmann, H.** Der schlaflose Mensch von heute; Erfahrungen aus der täglichen Praxis. Psychiat. neur. Wechr., 1937, 39: 300.—**Stoney, W. W.** Sleeplessness. S. Afr. M. Rec., 1912, 10: 6-9.—**Sucupira, A.** Um caso de insonia. Rev. flora med., Rio, 1941, 8: 475-8.—**Tobias, A.** Die Messung der Schlaflosigkeit. Umschau, 1926, 30: 450.—**Vila Guarro.** Autohistoria clinica de insonio. Rev. españ. med. cir., 1927, 10: 25.—**Wallengren, A.** [Insomnia and loss of appetite in children and its treatment] Ugeskr. læger, 1937, 99: 25-32.—**Winans, H. M.** Insomnia. Internat. Clin., 1935,

45. ser., 1: 39-55.—**Wuth, O.** Ueber den Säurebasenhaushalt im Schlaf, bei Schlaflosigkeit und im Schlafmittelschlaf. Zschr. ges. Neur. Psychiat., 1928-29, 118: 447-50.

Effect.

Bast, T. H., & Bloemendal, W. B. Studies in experimental exhaustion due to lack of sleep; effects on the nerve cells in the medulla. Am. J. Physiol., 1927, 82: 140-6.—**Bast, T. H., & Loevenhart, A. S.** Studies in exhaustion due to lack of sleep; introduction and methods. Ibid., 121-6.—**Bast, T. H., Schacht, F., & Vanderkamp, H.** Studies in experimental exhaustion due to lack of sleep; effect on the nerve cells of the spinal cord. Ibid., 131-9.—**Clarke, E., & Gubb, A. S.** Insomnia and suicide. Lancet, Lond., 1915, 1: 98.—**Henry, F.** Cardiovascular effects of experimental insomnia. Am. J. Physiol., 1942, 138: 65-70.—**Kroetz, C.** Ueber einige stoffliche Erscheinungen bei verlängertem Schlafentzug; der Säurebasenhaushalt (Blut- und Harnreaktion, Wasser- und Salzbestand des Serums) Zschr. ges. exp. Med., 1926, 52: 770-8.—**Slavina, E. E.** [Fluctuations in daily excitability of the cortex of the large hemispheres, and the effect of lack of sleep] Arkh. biol. nauk, 1936, 41: 9-12.—**Warren, N., & Clark, B.** Blocking in mental and motor tasks during a 65-hour vigil. J. Exp. Psychol., 1937, 21: 97-105.—**Weiskotten, T. F., & Ferguson, J. E.** A further study of the effects of loss of sleep. Ibid., 1930, 13: 247-66.

Etiology and pathogenesis.

See also subheading Type.

Benon, R. Asthénie et insomnie. Rev. gén. clin. théor., 1933, 47: 182-4.—**Calderoni, S.** L'insonnia tropicale. Gior. ital. clin. trop., 1938, 2: 203-5.—**Drogendijk, A. C.** Wakefulness and sleep centers. Geneesk. gids, 1936, 14: 25-34.—**Fiske, A.** Fatigue and sleep. Trained Nurse, 1935, 95: 129; 171.—**Galli, G.** L'insonnia dei cardiaci e degli arteriosclerotici. Gazz. osp., 1925, 46: 53-6.—**Insomnia (I')** degli ammalati. Osp. maggiore, Milano, 1934, 22: 571-3.—**Insomnia; etiology.** California West. M., 1938, 48: 121-4.—**Lindsay, J. A.** The causes and treatment of insomnia. Postgraduate, N. Y., 1913, 28: 873-9.—**M., K. K.** Periodische Kopfschmerzen und Schlaflosigkeit. Mitt. Biochem., 1937, 44: 123.—**Malkin, P. F.** [Psychoses in relation to enforced insomnia] Tr. Ural. nauch. psikhonev. inst., Perm, 1935, 2: 9-50.—**Ogionni, G.** La neuroretide di Donaggio nella insonnia sperimentale. Boll. Soc. ital. biol. sper., 1938, 13: 895-7.—**Parturier, G.** Séméiologie hépato-biliaire de l'insomnie. Rev. méd. chir. mal. foie, 1936, 11: 287-312.—**Popov, E. A.** [Delirium and insomnia] Vrach. delo, 1934, 16: 141-4.—**Rivas Cherif, M. de.** Un caso de insomnio de origen ocular. An. Soc. mex. oft., 1942, 17: 1-8.—**Sanguinetti, L. R.** L'insonnia dei psicopatici; ricerche quantitative sul ricambio delle sostanze puriniche. Riv. pat. nerv., 1912, 17: 628-39.—**Schrumpf, P.** Schlaflosigkeit im Hochgebirge. Deut. med. Wechr., 1914, 40: 987.—**Service, W. C.** Insomnia in tuberculosis. Am. Rev. Tuberc., 1931, 23: 440-55.—**Stern, L. S., Khvoles, G. J.** [et al.] [State of the hemato-encephalic barrier in prolonged insomnia] In their Hematoencephalic barrier, Moskva, 1935, 415-30.—**Willcocks, G. C.** Insomnia due to physical causes. Med. J. Australia, 1935, 2: 170-3.—**Wong, A.** A case of insomnia in pregnancy. Chin. M. J., 1935, 49: 1146-8.

Treatment.

WESCHCKE, C. Overcoming sleeplessness. 76p. 16°. S. Paul, 1935.

Basu, M. N. Insomnia and its treatment. Med. Surg. Suggestions, Madras, 1940, 9: 195-201.—**Berger, H.** Behandlung der Schlaflosigkeit. Korbl. Allg. ärztl. Ver. Thüringen, 1926, 55: 181-7.—**Brandenburg, K.** Ueber die Behandlung der Schlaflosigkeit. Med. Klin., Berl., 1940, 36: 19.—**Ciancio, N. O** bocéjo; o sono; a cura da insonia. Educ. fis., Rio, 1940, No. 49, 46-8.—**Cohen, H.** The management of insomnia. Ind. M. Gaz., 1938, 73: 492-4. Also Practitioner, Lond., 1938, 140: 181-8.—**Goldberger, M.** [Therapy of insomnia in childhood] Gyógyászat, 1937, 77: 670; 692; 705; 735.—**Grabfield, G. P.** The treatment of insomnia. Med. Clin. N. America, 1935-36, 19: 1597-601.—**Karnosh, L. J.** The treatment of insomnia. J. Am. M. Ass., 1939, 113: 1322-6. Also Dent. Digest, 1940, 46: 55.—**Leak, W. N.** Safeguarding sleep. Lancet, Lond., 1940, 2: 568.—**Lévy-Valensi, J.** Considérations sur les insomnies et leur traitement. J. méd. fr., 1926, 15: 429-33.—**McComb, S.** The curse of insomnia. Everybody's Mag., N. Y., 1911, 24: 252-61.—**Mazurkiewicz, J.** [Insomnia and its treatment] Lek. wojsk., 1939, 33: 129-50.—**Muncie, W.** Insomnia and its treatment. Med. Clin. N. America, 1939, 23: 553-60.—**Olsen, A. B.** Overcoming sleeplessness. Good Health, 1926, 61: No. 2, 10: 48.—**Roemheld, L.** Schlaf, Schlaflosigkeit und Behandlung der Schlaflosigkeit. Med. Welt, 1928, 2: 324; 363.—**Schoen, R.** Ueber die Schlaflosigkeit und ihre Bekämpfung. Klin. Fortbild., 1936, 4: 297-320.—**Strauss, E. B.** Insomnia and its treatment. Med. Press & Circ., Dubl., 1934, 188: 140-4.—**Traitement de quelques variétés d'insomnies.** Arch. internat. neur., Par., 1934, 26. ser., pt 1, 133-7.—**Ulrich, C.** Die Schlaflosigkeit und ihre Behandlung. Mitt. Biochem., 1938, 45: 159.—**Urbach, J.** Vom guten und schlechten Schlafen. Zschr. Desinfekt., 1928, 20: [Prakt. Desinfekt.] 159.—**Valkenburg, C. T. van** [Treatment of pain and insomnia] Ned. tschr. geneesk., 1937, 81: 3675-9.—

Weisz, E. Schlaflosigkeit und ihre Heilung. Ther. Gegenwart, 1927, 68: 563.—Worster-Drought, C. The treatment of insomnia; general considerations. Lancet, Lond., 1927, 2: 720.

Treatment: Drugs.

See also Hypnotic; Sedative; also names of hypnotics and sedatives as Barbituric acid, etc.

Dios Chemical Co. Insomnia; its treatment with synergistic bromides. 23p. 21½cm. [S. Louis, 1942]

— Sleeplessness and sedatives. 23p. 21½cm. [S. Louis, 1943]

GODARD, R. *L'insomnie; contribution à l'étude de la médication hypnotique et analgésique. 108p. 8° Par., 1930.

Beigböck, W. Ueber klinische und experimentelle Erfahrungen mit dem kombinierten Schlafmittel Securodorm (zugleich ein Beitrag zur Pathologie des Zwischenhirns). Med. Klin., Berl., 1934, 30: 550-3.—Chevalier, J. L'insomnie et le chloralose. J. méd. Paris, 1935, 55: 189-91.—Codet, H. L'insomnie et les hypnotiques en 2 temps. Progr. méd., Par., 1930, 1691.—Demole, V. Traitement de l'insomnie par les somnifères. Praxis, Bern, 1933, 22: Beil., 51, 22.—Dimter, R. Ueber Schlaf und Schlafverlängerung durch Quadro-Nox im Senium. Med. Klin., Berl., 1934, 30: 940.—Einfaches (Ein) Schlafmittel, in Fällen von Unterzuckerung des Blutes. Mitt. Biochem., 1938, 45: 127.—Gillespie, R. D. Insomnia and drug addiction. Brit. J. Ineb., 1930, 28: 6-9.—Savill, A. [et al.] Drugs for sleeplessness. Brit. M. J., 1927, 1: 1125-7.—Huldermann, L. Untersuchungen über die Wirksamkeit von Dormovit bei Schlafstörungen der höheren Altersstufen. Fortsch. Ther., 1941, 17: 21-4.—Klimke, W. Therapeutische Versuche zur Bekämpfung von Schlafstörungen mit einem neuartigen Analgo-Hypnotikum Dodonal. Münch. med. Wschr., 1939, 86: 1343.—Kraemer, R., Stössel, K., & Klaassen, J. Die medikamentöse Behandlung von Erregungszuständen und schwerer Schlaflosigkeit. Schmerz, 1935-36, 8: 94-103.—Lemoine. Tratamento da insomia. Novid, med. pharm., Porto, 1907, 12: 134-6.—Marie, A., & Kohen, V. Le diéthylpropénylbarbiturate de diéthylamine dans l'insomnie des aliénés. Bull. gén. théor., 1924, 175: 126.—Michels, R. Die Behandlung chronischer Schlaflosigkeit mit medikamentösen Kuren (Lubrokalkuren). Ther. Gegenwart, 1931, 72: 256-60.—Mirc, J. Du traitement de l'insomnie paroxystique des trépanés: le sulfonal et le dial; valeur comparée de ces 2 médicaments. Gaz. hôp., 1919, 92: 61.—Nielsen, T. [On the application of somnifen in simple insomnia] Ugeskr. læger, 1925, 87: 825.—Pick, E. P. Schlaf und Schlafmittel. Münch. med. Wschr., 1927, 74: 955.—Ueber Schlaf und Schlafmittel. Wien. klin. Wschr., 1927, 40: H. 23 [Sonderbeil.] 1-16.—Die Grundlagen der Schlafmitteltherapie. Fortsch. Ther., 1930, 6: 161-7.—Pietz, C. Behandlung von Schlafstörungen mit Dormovit, einem neuen synthetischen Schlafmittel. Med. Welt, 1938, 12: 709.—Ruschke. Der Einfluss des Tagessedativums auf vegetative, insbesondere Schlafstörungen. Zschr. ärztl. Fortbild., 1938, 35: 166.—Schoen, R. Schlafstörungen und Schlafmitteltherapie. Münch. med. Wschr., 1936, 83: 12: 51.—Solomon, M. Shall hypnotics be used in the treatment of insomnia in the psychoneuroses? Med. J. & Rec., 1933, 138: 22-6.—Strober, H. Wiedererweckung des natürlichen Schlafvermögens oder Schlafmittelmissbrauch? Psychiat. med. Wschr., 1939, 41: 121-4.—Tietze, H. Die Behandlung von Schlafstörungen mit Nervophyll. Med. Welt, 1936, 10: 1515.—Wander, L. [Treatment of insomnia with dial Ciba] Polska gaz. lek., 1927, 6: 558.

Treatment: Methods.

PERGET, G. *Contribution à l'étude du traitement de l'insomnie. 50p. 8° Par., 1928.

Andresen, P. [Insomnia and vitamin B] Ugeskr. læger, 1941, 103: 912.—Brauchle, A. Die naturgemässe Behandlung der Schlaflosigkeit. Deut. med. Wschr., 1940, 66: 1289-92. Also Hippokrates, Stuttg., 1941, 12: 270.—Breuninger, M. Die Problemstunde; eine Hilfe für Schlaflose. Münch. med. Wschr., 1940, 87: 955 (microfilm)—Burgmayer, N. Neuere Erfahrungen über die Behandlung der Schlaflosigkeit in der Anstaltspraxis. Med. Welt, 1936, 10: 271.—Dor. Insomnie rebelle guérie par la ténonomie des droits externes. Lyon méd., 1923, 132: 1007.—Engelen, P. Zur Behandlung von Schlaflosigkeit. Ther. Gegenwart, 1927, 68: 438-40.—Fantus, B. The therapy of the Cook County Hospital. J. Am. M. Ass., 1934, 102: 1846-8.—Favier, H. A propos du traitement de la douleur et de l'insomnie. Bull. méd., Par., 1934, 48: 305.—Gold, H. R. A psychological approach to the insomnia problem. Texas J. M., 1938-39, 34: 488-92.—Haenel, H. Eigenblut in der Behandlung der Schlaflosigkeit. Psychiat. med. Wschr., 1936, 38: 429.—Heuser, C. Provocación del sueño con la coriente de Leduc. Sem. méd., B. Air., 1912, 19: pt 2, 611.—Kramer, E. Erfahrungen mit dem Brovaloton-Bad. Psychiat. med. Wschr., 1938, 40: 255.—Leclerc, H. La phytothérapie dans le traitement de l'insomnie. J. méd. chir., Par., 1930, 101: 870-80.—Le Pennedu. Traitement des insomnies banales par l'hydrothérapie. Commun. Congr. internat. physiothér. (1930) 1931, 5. Congr., Seet. 3, No. 14, 123-5.—Lorenz. Zur

Behandlung der Schlaflosigkeit. Prakt. Arzt, 1924, n. F., 9: 9.—Luntz, R. O. [How to cure insomnia in children] Pediatra, Moskva, 1940, No. 2, 92.—Macé de Lépinay, C. E. Nériss, station des insomnies. Gaz. méd. France, 1938, 45: Suppl., Therm., 37.—Marburg, O., Krusch, H. [et al.] Umfrage über die Behandlung der Schlaflosigkeit. Med. Klin., Berl., 1930, 26: 922-7.—Mohr. Systematische psychophysische Behandlung der Schlaflosigkeit. Deut. med. Wschr., 1914, 40: 986.—Moszeik, O. Zur Therapie der Schlaflosigkeit. Med. Klin., Berl., 1913, 9: 954.—Parturier, G., & Feldstein, R. La phytothérapie des troubles du sommeil chez les hépato-biliaires. Rev. méd. chir. mal. foie, 1933, 8: 351-71.—Rice, H. N. Insomnia and the wet sheet pack. Pacific Coast J. Nurs., 1927, 23: 6.—Ruschke, C. Behandlung der Altarsinsomnie in der Heilanstalt. Med. Welt, 1932, 6: 1316.—Schultz, I. H. Psychotherapie des Schlafmangels. Deut. med. Wschr., 1926, 52: 229-31.—Thomas. A propos du traitement de l'insomnie. Praxis, Bern, 1925, 14: H. 46, 1.—Trouette, R. A propos du traitement symptomatique dans certaines formes d'insomnie. J. méd. Paris, 1934, 54: 354.—Uiberal, H. Zur Therapie der Schlaflosigkeit. Med. Klin., Berl., 1931, 27: 465-8.—Warda, W. Zur Therapie der Schlaflosigkeit (die Schlafbrille). Ibid., 1914, 10: 656.—Wassermann, M. [Contribution to the treatment of insomnia] Cas. lék. česk., 1924, 63: 273.

Type.

Angyal, A. Sullo stato del dormiveglia. Arch. ital. psicol., 1930, 8: 89-94.—Bertoye, P. Sur un trouble rare du sommeil chez l'enfant: la jactation capitis nocturna. Bull. Soc. pédiat. Paris, 1927, 25: 61-6.—Bresler, J. Periodische Schlaflosigkeit. Psychiat. neur. Wschr., 1919-20, 21: 107.—Zweierlei Wachsucht. Ibid., 1939, 41: 378.—Lacassie, R. Une forme rare d'insomnie; aspects cliniques des troubles du sommeil de la maladie postopératoire. Presse méd., 1936, 44: 1892-4.—Lhermitte, J. L'insomnie et ses variétés. Médecine, 1930, 11: 100-5.—Pfaundler, M. V. Jactatio corporis nocturna. Münch. med. Wschr., 1941, 88: 79 (microfilm)—Pitfield, R. L. Capricious slumber. Med. Rec., N. Y., 1941, 154: 448-50.—Roemheld, L. Schlaflosigkeit der Dyspeptiker und ihre diätetische Beeinflussung. Deut. med. Wschr., 1914, 40: 986.—Stern, L. S. [On alternating sleep and wakefulness] Nevropat. psikiat., Moskva, 1937, 6: 189-200.

Type, initial.

Gallavardin, L. Les malaises du premier sommeil. Lyon méd., 1926, 133: 587-95.—Heuss, von. Ueber eine Beziehung zwischen Muskeltonus, Aufmerksamkeit und erschwertem Einschlafen im Hochgebirge. Med. Klin., Berl., 1913, 9: 370.—Hitsehmann, E. Coué's method of inducing sleep. Ars medicæ, Wien, 1935, 13: 541.—Iselin, H. Physiologische Förderung des Einschlafens. Schweiz. med. Wschr., 1934, 64: 153.—M. Förderung des Einschlafens durch natürliches Verfahren. Münch. med. Wschr., 1925, 72: 711.—Reimann, J. Brosedran zur Behandlung nervöser Einschlafstörungen. Med. Klin., Berl., 1941, 37: 135.—Roger, H. Les secousses nerveuses de l'endormissement. Rev. méd. fr., 1931, 12: 847-52.—Sternberg, W. Digalen bei Schlaflosigkeit. Ther. Mhefte, 1913, 27: 358.—Tardieu, A. Les troubles du premier sommeil chez les hyperémotifs. Bull. Soc. méd. Paris, 1930, 351-5. Also J. méd. Paris, 1930, 50: 703-5.

Type, neuro-vegetative and psychic.

FINCKI, J. Die nervöse Schlaflosigkeit und ihre Behandlung. 2. Aufl. 50p. 8° Münch., 1933.

Adler, A. Nervöse Schlaflosigkeit. Zschr. Individpsychol., 1914, 1: 65-72.—Augustin, H., jr. Die Behandlung der Schlaflosigkeit in der täglichen Praxis. Schweiz. med. Wschr., 1932, 62: 817.—Becker, W. H. Zur Bekämpfung der nervösen arteriosklerotischen Schlaflosigkeit. Wien. med. Wschr., 1940, 90: 979.—Benedek, S. Az álmatlanság kezelése lúmináll. Gyógyászat, 1912, 52: 560-3.—Bleckwenn, W. J. Production of sleep and rest in psychotic cases; a preliminary report. Arch. Neur. Psychiat., Chic., 1930, 24: 365-72.—Breuninger, M. Ueber das Kräftespiel (Psychodynamik) der gewöhnlichen psychisch-nervösen Schlafstörung. Med. Welt, 1938, 12: 342-4.—Die seelische Schlaflosenbehandlung in der Sprechstunde. Münch. med. Wschr., 1938, 85: 1906-11.—Chausset, R. Le traitement de l'insomnie chez les anxieux. Bull. méd., Par., 1929, 43: 1154.—Determann, H. Zur Hydrotherapie der nervösen Schlaflosigkeit. Zschr. phys. diät. Ther., 1913, 17: 85-8.—Fagot, A. Anxieux et insomnies, leur traitement. J. méd. Paris, 1939, 59: 656.—Farkas, M. Az álmatlanságról és vízyógykezeléséről. Fürdő- & vízyógy., 1913, 25-30.—Friedländer. Schlaflosigkeit und Psychasthenie. Deut. med. Wschr., 1914, 40: 987.—Gallot, P., & Coubard, C. Du traitement de quelques formes fréquentes d'insomnie. Rev. gén. clin. théor., 1921, 35: 218.—Gandy, P. L'insomnie à Bagnères. Presse therm. clim., 1923, 64: 74.—Gloster, H. S., Markowitz, M., & Wright, S. J. How do you treat insomnia? N. York M. J., 1913, 98: 972.—Hattingsberg, H. von. Ueber die seelischen Ursachen der Schlaflosigkeit. Deut. med. Wschr., 1935, 61: 1280-4.—Hopewell-Ash, E. Treatment of insomnia in nervous and mental disorders. Brit. J. Phys. M., 1934, 9: 39-41.—Klinkenberg. Einige Winke zur Behandlung der nervösen Schlaflosigkeit. Deut. Med. Ztg, 1908, 29: 625.—Knott, A. Zur Behandlung der nervösen Schlaflosigkeit mit

Lubrokal. Münch. med. Wschr., 1933, 80: 1475.—Koblížek, J. Nespavost neurasteniků léčená franklinisací. Rev. neuro-psychopath., Praha, 1914, 11: 440-2.—Macone, L. L'insomnia nervosa nei bambini. Prat. pediat., Milano, 1935, 13: 172-7.—Meyer, E. Das Schlafproblem; Prophylaxe und Behandlung der Schlaflosigkeit bei Nervenschwachen. Klin. Wschr., 1934, 13: 1339; 1364.—Moerchen, F. Die Behandlung des Schlaflosen. Med. Welt, 1930, 4: 1474.—Morton, J. F., jr. One way to overcome sleeplessness. Med. Critic, 1917, 20: 407.—Perget, G. La thérapeutique de l'insomnie chez les anxieux et les névropathes. Prat. méd. fr., 1930, 11: 347.—Plicque, A. As causas e o tratamento causal da insomnia. Brasil med., 1920, 34: 173.—Sanfeliu, J. El veronal en el insomnio. Arch. ter., Barcel., 1908, 6: 76-8.—Szakács, F. [Sedative treatment of psychosis, with respect to insomnia] Orv. hetil., 1941, 85: 64-6.—Traitement des insomnies nerveuses. Gaz. hôp., 1938, 111: 810.—Zénope, B. L'insomnie dite nerveuse et son traitement par la galvano- et la réentgé-thérapie. Evolut. théér., 1927, 8: 182-5.

— Type, terminal.

Bullock, H. M. S. Device for prolonging sleep. U. S. Patent Off., 1912, No. 1,047,163.—Demme. Was kann man gegen vorzeitiges Erwachen tun? Med. Klin., Berl., 1940, 36: 882 (microfilm)—Keller, K. [Pathological awakening; its diagnostic importance] Orv. hetil., 1934, 78: 1204-8.—Léopold-Levi. Le lever matutinal précoce. Bull. Soc. méd. Paris, 1932, 117-21.—Stein, F. Medikamentöse Behandlung der Kurzschläfer-Frühaufsteher. Med. Welt, 1928, 2: 837.

INSPECTION.

See also **Diagnosis** subheadings (clinical; intuitive; physical) **Ectoscopy**; **Iridodiagnosis**; also under names of inspected parts of body as **Anus**, Examination; **Heartbeat**, Examination, etc. For inspection of buildings see such headings as **Abattoirs**, Veterinary inspection; **Factory**, Medical inspection; **Industrial plant**, Inspection, etc.

Burkard, K. Ein Kapitel Antlitzdiagnostik. Mitt. Biochem., 1933, 40: 193-5.—Fiessinger, C. Les apparences morbides. Rev. gén. clin. théér., 1924, 38: 457.—Heine, L. Ueber die Besichtigung der Kranken. Münch. med. Wschr., 1927, 74: 420-2.—Krecke, A. Ueber die Besichtigung des Kranken. Ibid., 157-9. — Vom ärztlichen Blick. Ibid., 1932, 79: 821-4.—Pick, A. Die Augenblicksdiagnose. Klin. Wschr., 1925, 4: 126; 174.—Schaffle, K. The value of inspection in physical examination. Dis. Chest, 1938, 4: No. 5, 14-6. Also South. M. & S., 1938, 100: 466.—Weltmann, O. Die Zeichen innerer und nervöser Krankheiten im Gesicht. Med. Klin., Berl., 1929, 25: 1495; 1536.

INSPECTIONISM [Scopophilia]

See **Infantilism**, psychosexual; **Libido**; **Sex offense**.

INSPIRATION.

See **Intuition**; also **Respiration**.

INSTABILITY.

See also under such headings as **Emotion**, Disorder; **Instability**; **Mutation**; **Personality**; **Species**; **Sex**; **Variation**, etc.

Beck, S. J. Stability of the personality structure. Psychol. Bull., 1942, 39: 512 (Abstr.).—Brill, M. A study of instability using the Goodenough drawing scale. J. Abnorm. Psychol., 1937, 32: 288-302.—Fitts, P. M. A quantitative investigation of the variability of reaction as a measure of emotional stability. Psychol. Bull., 1941, 38: 527.—Hall, S. B., & Hall, M. B. Prognosis of mental instability; adolescent and service cases. Lancet, Lond., 1942, 1: 376-8.—Whitely, P. L. The constancy of personal values. J. Abnorm. Psychol., 1938, 33: 405-8.

INSTILLATION.

See under such headings as **Eye**, Disease; **Treatment**; **Eyedrop**, etc.

INSTINCT.

See also **Behavior**; **Character**; **Desire**; **Habit**; **Intuition**; **Tropism**; also names of instincts as **Death instinct**; **Gregariousness**; **Parental instinct**, etc.

Bernard, L. I. Instinct; a study in social psychology. 550p. 8°. Lond. [1926]

CLAREMONT, C. A. The innumerable instincts of man. 196p. 22cm. Lond., 1940.

CUATRECASAS, J. Psico-biología general de los instintos. 207p. 22cm. B. Aires, 1939.

Abbie, A. A. Instincts and the herd. Med. J. Australia, 1941, 2: 615-20.—Instinct. Lancet, Lond., 1940, 2: 60.—Larguier des Bancelis, J. Les instincts de l'homme. Scientia, Bologna, 1926, 40: 153-62. — Les tendances instinctives. Rev. philos. France, 1930, 110: 177-230.—Malten, H. Der Instinkt. Naturärztl. Rdsch., 1936, 8: 317-22.—Sierra, A. M. Instintos y tendencias. Rev. argent. neur., 1929, 3: 347-60.—Simpson, L. V. Instincts. Welf. Mag., 1926, 17: No. 5, 26-34, pl.—Stone, C. P. Multiply, vary, let the strongest live and the weakest die; Charles Darwin. Psychol. Bull., 1943, 40: 1-24.—Talmey, B. S. Instinct. Am. Med., 1926, 21: 429-44.—Thorpe, L. P. Drives, supplementary components of personality. In his Psychol. Found. Person., N. Y., 1938, 19-23.—Uhrbrock, R. S. Popular usage of the terms instinct and instinctive. Sc. Month., 1932, 34: 544-6.—Young, K. Drives or motives. In his Person. & Probl. Adjust., N. Y., 1941, 58-64.

— Behavior and dynamics.

Alverdes, F. Die Wirksamkeit von Archetypen in den Instinkthandlungen der Tiere. Zool. Anz., 1937, 119: 225-36.—Anderson, E. E. The externalization of drive; maze learning by non-rewarded and by satiated rats. J. Genet. Psychol., 1941, 59: 397-426.—Bernard, L. I. Instinct and habit in man. In his Introd. Sociol., N. Y., 1942, 551-79.—Devoe, A. The ways of instinct. Am. Mercury, 1942, 54: No. 218, 234-42 (clipping)—Eggers, F. Beobachtungen über die Verknüpfung von Gehör und Fluchtinstinkt bei Eulenschmetterlingen. Schr. Naturwiss. Verein. Schleswig-Holstein, 1920-26, 17: 325-33.—Garbowski, T. Von der Wiederholbarkeit einmaliger instinktiver Handlungen (auf Grund von Versuchen mit der Verpuppung der Gabelschwänze). Bull. internat. Acad. polon. sc., 1936, ser. B, 2: 320-48, pl.—Hellwald, H. Untersuchungen über Triebstärken bei Tieren. Zschr. Psychol. Physiol. Sinnesorg., 1. Abt., 1931, 123: 94-141.—Ingham, S. D. Mechanics of instinctive behavior. Bull. Los Angeles Neur. Soc., 1941, 6: 143-53.—Kendrew, E. N. A further attempt to measure the strength of instincts. Brit. J. Psychol., 1930-31, 21: Sect. Gen., 160-73.—Lashley, K. S. Experimental analysis of instinctive behavior. Psychol. Rev., 1938, 45: 443-71.—Levy, D. M. A note on pecking in chickens. Psychoanal. Q., 1935, 4: 612. — On instinct-satiation: an experiment on the pecking behavior of chickens. J. Gen. Psychol., 1938, 18: 327-48.—Müller, L. R. Die Triebe und ihre Innervation. Med. Klin., Berl., 1926, 22: 830. Also Wien. med. Wschr., 1926, 76: 197.—Paulesco, N. C. Localisation des instincts sur l'écorce cérébrale. Arch. internat. physiol., Liège, 1922, 19: 74-87.—Richter, C. P. Animal behavior and internal drives. Q. Rev. Biol., 1927, 2: 307-43.—Russell, E. S. Sur le caractère rituel du comportement instinctif. J. psychol. norm. path., Par., 1937, 34: 341-52. — Biological adaptedness and specialization of instinctive behaviour. Nature, Lond., 1941, 147: 729-34.—Seward, J. P. Note on the externalization of drive. Psychol. Rev., 1942, 49: 197-9.—Spaier, A. Éléments et formes de la sociabilité instinctive. J. psychol. norm. path., Par., 1933, 30: 966-82.—Warden, C. J. The relative strength of the primary drives in the white rat. J. Genet. Psychol., 1932, 41: 16-35.

— Classification and type.

Bernfeld, S. Ueber die Einteilung der Triebe. Imago, Wien, 1935, 21: 125-42.—Blacker, C. P. Life and death instincts. Brit. J. M. Psychol., 1929, 9: 277-302.—Garnett, A. C. A conative criterion for the discrimination of the instincts. Brit. J. Psychol., 1927-28, 18: Sect. Gen. 302-16.—Lipmann, O. Der Periphertrieb. Jahrb. Charakt., 1927, 4: 351-9.—Litwinski, L. Is there an instinct of possession? Brit. J. Psychol., 1942-43, 33: 28-39.—Loewenstein, R. The vital or somatic instincts. Internat. J. Psychoanal., Lond., 1940, 21: 377-400.—Pear, T. H. Are there human instincts? Bull. John Rylands Libr., Manch., 1942, 27: 137-67.—Rippon, T. S. The danger instincts. Proc. R. Soc. M., Lond., 1927-28, 21: Sect. War, 13-21.—Saussure, R. de. Instinct d'inhibition. Rev. fr. psychanal., 1930, 3: 491-508.—Schoen, M. Instinct and man; a preliminary note on psychological terminology. Psychol. Rev., 1927, 34: 120-5.—Sierra, A. M. Instintos nutritivos. Sem. méd., B. Air., 1930, 37: 433-8.

— Development.

Bernfeld, S. Trieb und Tradition im Jugendalter; kulturpsychologische Studien an Tagebüchern. 181p. 8° Lpz., 1931.
Forms Beih. 54, Zschr. angew. Psychol., 1931.

Cook, P. [NEANDER P. COOK pseud.] Instinct in the cell and organism; a genetic account of the primal urges, impulses and reactivities of living

organisms, with special reference to the evolutionary development of the human psychic life. 244p. 8°. Alhambra, Calif. [1926]

Allen, C. The instinctual development in man. In his *Sex Pervers.*, Lond., 1940, 36-57. — The instinctual development of the sub-human primate. *Ibid.*, 18-35.—Allendy, R. Various instincts and their development. *Psychoanal. Rev.*, 1932, 19: 310-8.—Bird, C. The relative importance of maturation and habit in the development of an instinct. *Pedag. Semin.*, Worcester, 1925, 32: 68-91.—Coghill, G. E. The genetic interrelation of instinctive behavior and reflexes. *Psychol. Rev.*, 1930, 37: 264-6.—Hendrick, I. Instinct and the ego during infancy. *Psychoanal. Q.*, 1942, 11: 33-58.—Hooker, D. Fetal reflexes and instinctual processes. *Psychosomat. M.*, 1942, 4: 199-205.—Müller, L. R. Ueber die Triebe und über deren Zustandekommen. *Wien. klin. Wschr.*, 1926, 39: 149-54.—Uhlmann, E. Instinkt und Entwicklung; unter besonderer Berücksichtigung des Bauinstinkts der Trichopterenlarven. *Jena. Zschr. Naturwiss.*, 1932, 67: 571-88.

Disorder.

See also Conflict; Neurosis; Psychoneurosis, etc.

STEKEL, W. Störungen des Trieb- und Affektlebens: Die parapathischen Erkrankungen. 559p. 8°. Berl., 1927.

Bürger-Prinz, H. Das menschliche Triebleben und seine forensische Bedeutung. *Msehr. Kriminalb.*, 1939, 30: 449-60.—Casson, E. Instinctive reactions and mental disease. *Brit. Homoeop. J.*, 1931, 21: 23-43.—Del Greco, F. Sugli anormali istintivi. *Ann. osp. psichiat. Perugia*, 1936, 30: 1-17.—Dide & Barrère. L'instinct et les psychopathies; essai de psychopathogénèse. *Ann. méd. psychol.*, Par., 1934, 92: pt 2, 1-15.—Foxe, A. N. The life and death instincts: criminological implication. *J. Crim. Psychopath.*, 1942-43, 4: 67-91.—Friedjung, J. K. Vom normalen und krankhaften Triebleben des Kindes. *Wien. klin. Wschr.*, 1927, 40: H. 2, Sonderbeil., 1-8. — Das normale und krankhafte Triebleben des Kindes. *Ibid.*, 1931, 44: 582; 81: 391-400.—Gött, T. Instinkte und Instinktchwäche des Kindes. *Ber. Kongr. Heilpädagog.*, 1923, 1: 13.—Herzberg, A. Instinktverletzungen und ihre Bedeutung in der Ätiologie der Neurosen. *Zbl. Psychother.*, 1930, 3: 269-75.—Kronfeld, A. Zur phänomenologischen Psychologie und Psychopathologie des Wollens und der Triebe; Versuch einer beschreibend-systematischen Formenlehre. *Jahrb. Charakt.*, 1927, 4: 239-97.—Macdonald, P. Instinct and functioning in health and disease. *Brit. M. J.*, 1926, 2: 1221-3.—Müller, L. R. Ueber die krankhaften Störungen der Lebenstrieb. *Münch. med. Wschr.*, 1926, 73: 1429; 1486.—Pescirico, M. Considerazioni sul comportamento degli istinti in latenza durante gli stadi di malattia e di convalescenza. *Arch. gen. neur. psichiat.*, Nap., 1932, 13: 30-4.—Schottky, H. Ueber ungewöhnliche Triebhandlungen bei prozesshafter Entwicklungsstörung. *Zschr. ges. Neur. Psychiat.*, 1932, 143: 38-56.

Education, inhibition, and variation.

Bérillon. L'immutabilité des instincts dans les races humaines. *Rev. path. comp.*, Par., 1917, 17: 229-32.—Brainard, P. P. Some observations of infant learning and instincts. *Pedag. Semin.*, Worcester, 1927, 34: 231-54.—Briffault, R. Instinct, heredity, and social tradition. *J. Social Psychol.*, 1930, 1: 191-226.—Gismondi, A. L'educazione dell'istinto nel lattante e nel bambino. *Prat. pediat.*, Milano, 1935, 13: 507-11.—Hartman, C. G. Endocrine influences on instinctual processes. *Psychosomat. M.*, 1942, 4: 206-10.—Hunter, W. S. The nature of instinct and its modification. *Ibid.*, 166-70.—Liddell, H. S. The alteration of instinctual processes through the influence of conditioned reflexes. *Ibid.*, 390-5.—Olinto, P. Educabilidad de los instintos. *An. Inst. psicol. B. Aires*, 1938, 2: 329-32.—Ravà, G. Istinto ed emozione. *Gior. psichiat.*, 1922, 50: 1-10.—Sterzinger, O. Ueber eine Methode, Triebveranlagungen zu untersuchen. *Arch. ges. Psychol.*, 1937, 98: 234-44.—Watson, J. B. What the nursery has to say about instincts. *Pedag. Semin.*, Worcester, 1925, 32: 293-327.—Witty, P. A., & Lehman, H. C. Drive; a neglected trait in the study of the gifted. *Psychol. Rev.*, 1927, 34: 364-76.—Zilboorg, G. Some observations on the transformation of instincts. *Psychoanal. Q.*, 1938, 7: 1-24, 2 pl.

Interrelationship.

See also Conflict; Learning.

ANDERSON, E. E. The interrelationship of drives in the male albino rat: intercorrelations between 47 measures of drives and of learning. 119p. 26cm. Balt., 1938.

Alexander, F. Ueber das Verhältnis von Struktur- zu Triebkonflikten. *Internat. Zschr. Psychoanal.*, 1934, 20: 33-53.—Anderson, E. E. Interrelationship of drives in the male albino rat: intercorrelations of measures of drives. *J. Comp. Psychol.*, 1937, 24: 73-118.—Brun, R. Experimentelle Beiträge zur Dynamik und Oekonomie des Triebkonflikts (biologische Parallelen zu Freuds Trieblehre). *Imago*, Wien, 1926, 12: 147-70.—Markuszewicz, R. [Conflict of instincts] *Rocz.*

psychiat., 1937, 163-89.—Simonne, H. L'instinct combatif; ses rapports avec l'instinct sexuel. *Ilyg. ment.*, Par., 1934, 29: 1-21.

Psychoanalytical aspect.

See also Neurosis; Psychoneurosis; Unconscious.

ALLEN, A. H. B. Pleasure and instinct; a study in the psychology of human action. 336p. 8°. Lond., 1930.

De Sanctis, S. Istinto e incoscienza (discussione critica). *Arch. ital. psicol.*, 1926-27, 5: 71-93.—Eidelsberg, L. Trieb-schicksal und Triebabwehr. *Internat. Zschr. Psychoanal.*, Lond., 1940, 25: 287-96.—Hendrick, I. The psychoanalytic theory of instincts. In his *Facts & Theor. Psychoanal.*, N. Y., 1941, 87-105.—Hess, W. R. The unconscious and the instincts. *Internat. Clin.*, 1926, 36, ser., 3: 226-37.—Jekels, L., & Bergler, E. Triebdualismus im Traum. *Imago*, Wien, 1934, 20: 393-410.—Jones, E. Psycho-analysis and the instincts. *Brit. J. Psychol.*, 1935-36, 26: 273-88. Also *Imago*, Wien, 1936, 22: 129-46.—Krausz, E. O. Das Triebleben in der Psychoanalyse. *Internat. Zschr. Individuropsychol.*, 1934, 12: 203-21.—Kuenkel, F. Die Kritik der Triebe; Untersuchungen über die kategorialen Grundlagen der Individualpsychologie und der Psychoanalyse. *Ibid.*, 1927, 5: 19; passim.—Menninger, K. A. An anthropological note on the theory of pre-natal instinctual conflict. *Internat. J. Psychoanal.*, Lond., 1939, 20: 439-42.—Reich, W. Pleasure and instinct. In his *Funct. Orgasm*, 1942, 32-4.—Symons, N. J. On the conception of a dread of the strength of the instincts. *Brit. J. M. Psychol.*, 1939-40, 18: 154-62.—Winterstein, A. Der Sammler. *Imago*, Wien, 1921, 7: 180-94.

Relation to mental faculties.

HINGTON, R. W. G. Instinct and intelligence. 296p. 8°. N. Y., 1929.

Beach, F. A. Instinct and intelligence. *Tr. N. York Acad. Sc.*, 1941-42, ser. 2, 4: 32-6.—Bonda, C. E. Instinkt und Wille. *Msehr. Psychiat. Neur.*, 1928, 67: 141-59.—Claremont, C. A. Instinct and intelligence. *Psyche*, Lond., 1926, 7: No. 25, 19-26.—Garrett, A. C. Instinct, intelligence and appetite. *Brit. J. M. Psychol.*, 1928, 8: 249-63.—Hertz, M. Le rapport de l'instinct et de l'intelligence dans le règne animal. *J. psychol. norm. path.*, Par., 1937, 34: 324-40.—Hington, R. W. G. Instinct and intelligence in insects. *Character & Personality*, 1932, 1: 129-36.—Klages, L. Die Triebe und der Wille. *Zschr. Mensch.*, 1928-29, 4: 265-81.—Kochler, O. Instinkt oder Verstand? *Naturwissenschaften*, 1939, 27: 179-84.—McDougall, W., & McDougall, K. D. Notes on instinct and intelligence in rats and cats. *J. Comp. Psychol.*, 1927, 7: 145-76.—Mace, C. A. Faculties and instincts. *Mind*, Lond., 1931, 40: 37-48.—Magalhães, O. de. Istinto e inteligência. *Brasil med.*, 1942, 56: 148-53.—Mouchet, E. El instinto y la razón en el ser humano. *An. Inst. psicol. B. Aires*, 1941, 3: 13-62.—Chana, J. De la rigidité de l'instinct à la souplesse de l'intelligence. *Rapp. Congr. internat. psychol.* (1937) 1938, 11. Congr., 425.—Saint-Paul, G. Cérébrologie; le je et les volontés de l'homme de l'infailibilité de l'intelligence. *Progr. méd.*, Par., 1926, 41: 1320.—Schoen, M. Instinct and intelligence. *Psychol. Rev.*, 1928, 35: 161-6.—Swift, E. J. Language, thought, and instincts. *J. Philos.*, 1923, 20: 265-372.

Theory.

Beltrán, J. R. Psicología del instinto. *Rev. As. méd. argent.*, 1942, 56: 591.—Bibring, E. The development and problems of the theory of the instincts. *Internat. J. Psychoanal.*, Lond., 1941, 22: 102-31.—Boodin, J. E. Mind as instinct. *Psychol. Rev.*, 1906, 13: 121-39.—Borovski, W. M. Einige Bemerkungen über Triebe und Instinkte. *Biol. Zbl.*, 1928, 48: 470-4.—Briffault, R. What is instinct? *Scientia*, Bologna, 1930, 3, ser., 48: 381-94.—Bühler, C. Das Problem des Instinktes. *Zschr. Psychol. Physiol. Sinnesorg.*, 1. Abt., 1927, 103: 46-64.—Burt, C. Is the doctrine of instincts dead? a symposium; the case for human instincts. *Brit. J. Educ. Psychol.*, 1941, 11: 155-72.—Claparède, E. Controverses sur l'instinct. In *Probl. biol. med.* (Leontovich, A. V.) Moskva, 1935, 32-5.—Dembowski, J. Beiträge zum Instinktproblem. *Bull. internat. Acad. polon. sc.*, 1937, ser. B, pt 2, 71-90, pl.—Disertori, B. Sfera degli istinti e barriera ectomesodermica nella concezione biologica di Monakov. *Riv. neur.*, 1933, 6: 560-84.—Drever, J. Instinct as impulse. *Brit. J. Educ. Psychol.*, 1942, 12: 88-96.—Drury, M. B. Can gestalt theory save instinct? *J. Gen. Psychol.*, 1931, 5: 88-94.—Eggen, J. B. Is instinct an entity? *J. Abnorm. Psychol.*, 1926-27, 21: 38-51.—Faris, E. Are instincts data or hypotheses? In his *Nature of Hum. Nat.*, N. Y., 1937, 61-72.—Feuerborn, H. J. Der Instinkt-begriff und die Archetypen C. G. Jung's; ein Beitrag zur Synthese zwischen Tierpsychologie und Psychologie des Menschen. *Biol. gen.*, Wien, 1938-39, 14: 456-506.—Fletcher, J. M. An old solution of the new problem of instinct. *Psychol. Rev.*, 1929, 36: 44-55. — The verdict of psychologists on war instincts. *Sc. Month.*, 1932, 35: 142-5.—Heidbreder, E. F. Thinking as an instinct. *Psychol. Rev.*, 1926, 33: 279-97.—Hermann, I. Das Unbewusste und die Triebe vom Standpunkte einer Wirbeltheorie. *Imago*, Wien, 1935, 21: 412-28.—Hirschmann, E. Theory of instinct and sexuality. *Internat. J. Psychoanal.*, Lond., 1920, 1: 275-80.—King, L. S.

Instinct as an explanatory concept. *J. Abnorm. Psychol.*, 1934, 29: 172-80.—**Klineberg, O.** The instinct theory. In his *Social Psychol.*, N. Y., 1940, 56-62.—**Kruger, M. S.** A contribution to the theory of instinct. *Brit. J. M. Psychol.*, 1932, 11: 283-94.—**Landmark, J.** Ueber den Triebbegriff. *Imago*, Wien, 1934, 20: 160-72.—**Loeser, J. A.** The concept of instinct. *Nature*, Lond., 1939, 143: 880-3. Also *Vet. Rec.*, Lond., 1939, 51: 972-6.—**Lorenz, K.** Ueber die Bildung des Instinkt Begriffes. *Naturwissenschaften*, 1937, 25: 289; 324.—**McNemar, Q.** Why an instinct-hypothesis? *J. Social Psychol.*, 1930, 1: 159-64.—**Mead, M.** Anthropological data on the problem of instinct. *Psychosomat. M.*, 1942, 4: 396 (Abstr.).—**Nachmansohn, M.** Versuch einer Abgrenzung und Bestimmung des Instinkt Begriffes. *Schweiz. Arch. Neur. Psychiat.*, 1937-38, 40: 173-9.—**Nagge, J. W.** The teleological or purposive theories of instinct. In his *Psychol. Child.*, N. Y., 1942, 375-9.—**Nikitin, N. N.** [Physiological concept of the nature of instinct] *Ark. biol. nauk*, 1933, 33: 643-64.—**Pear, T. H.** Is the doctrine of instincts dead? a symposium. *Brit. J. Educ. Psychol.*, 1941, 11: 155; passim.—**Pillsbury, W. B.** What is native in the so-called instincts? *Am. J. Psychol.*, 1927, 39: 42-53.—**Poucel, J.** Autour de l'énigme de l'instinct; réponse à une offensive contre le naturaliste J. H. Fabre. *Marseille méd.*, 1926, 63: 342-60.—**Rosenow, C.** One more definition of heredity and instinct. *Psychol. Rev.*, 1928, 35: 434-9.—**Schneider, K. C.** Moderne Instinktlehre. *Biol. Zbl.*, 1933, 53: 629-33.—**Spaier, A.** De la nature de l'instinct. *Rev. philos.*, France, 1930, 109: 410-15.—**Thomas, M.** La notion de l'instinct, connaissance innée et sa tenue devant la méthode expérimentale. *Scientia*, Bologna, 1936, 59: 252-64.—**Thorn-dike, E. L.** Human instincts and doctrines about them. *Brit. J. Educ. Psychol.*, 1942, 12: 85-7.—**Trout, D. M.** Consistency and the concept of instinct. *J. Abnorm. Psychol.*, 1926-28, 22: 398-403.—**Vernon, P. E.** Is the doctrine of instincts dead? some objections to the theory of human instincts. *Brit. J. Educ. Psychol.*, 1942, 12: 1-9.—**Weber, C.** Simplicity versus adequacy in the definition of instinct. *J. Philos.*, 1927, 24: 141-8.—**Witty, P. A., & Lehman, H. C.** The instinct hypothesis versus the maturation hypothesis. *Psychol. Rev.*, 1933, 40: 33-59.—**Woodworth, R. S.** A justification of the concept of instinct. *J. Abnorm. Psychol.*, 1926-27, 22: 3-7.—**Wyndham, H. S.** Contributions to the problems of instinct in textbooks on educational psychology. *J. Genet. Psychol.*, 1934, 45: 238-54.

Value.

— **Loon, F. H. G. van.** Quelques observations et expériences sur le rôle de l'instinct chez l'enfant. *J. neur. psychiat.*, Brux., 1931, 31: 309-20. Also *Psychiat. neur. bl.*, Amst., 1931, 35: 143-64. — **Die Bedeutung ur-instinktiver Phänomene bei Primitiven und in der Kulturgesellschaft.** *Zschr. Völkerpsychol.*, 1931, 7: 21-33.—**McCormick, T. C.** A point of view on instincts in social psychology. *J. Abnorm. Psychol.*, 1931, 26: 102-5.—**Marmor, J.** The rôle of instinct in human behavior. *Psychiatry*, Balt., 1942, 5: 509-16.—**Schoen, M.** Instinct and man. *Se. Month.*, 1929, 28: 531-8.—**Seward, G. H.** The validation of drives. *Psychol. Rev.*, 1942, 49: 88-95.—**Starkenstein, E.** Instinkt und Intuition in der Forschung, im Studium und in ärztlichen Berufe. In *Einheitsbestr.* (Kongr. med. Synthese) (1932) 1933, 2. Congr., 205-17.—**Wright, Q.** The relationship of organic drives and their cultural interpretations. In his *Study of War*, Chic., 1942, 2: 1456-65.

in animals.

See also **Animals, Psychology; Behavior; also under such headings as Bird, Migration, etc.**

— **Bierens de Haan, J. A.** Probleme des tierischen Instinktes. *Naturwissenschaften*, 1935, 23: 711; 733.—**Copeland, M., & Crowell, S.** Observations and experiments on the case-building instinct of 2 species of Trichoptera. *Psyche J. Entom.*, 1937, 44: 125-31.—**Friedmann, H.** The instinctive emotional life of birds. *Psychoanal. Rev.*, 1934, 21: 241; 381.—**Glaze, J. A.** Instinct and intelligence in ants. *J. Comp. Psychol.*, 1936, 21: 9-18.—**Huntsman, A. G.** Spawning urge, homing instinct, and waiting in salmon return. *Nature*, Lond., 1938, 141: 421.—**Natanson-Grodzińska, N.** Sur la plasticité des instincts chez les larves aquatiques de cataclyste. *Bull. internat. Acad. polon. sc.*, 1932, ser. B, 2: 123-40, pl.—**Patrick, J. R., & Laughlin, R. M.** Is the wall-seeking tendency in the white rat an instinct? *J. Genet. Psychol.*, 1934, 44: 378-89.—**Perrier, E.** Régénération de l'instinct de construction chez les castors d'Europe. *Bull. Inst. gén. psychol.*, Par., 1911, 11: 120-3.—**Petrunkевич, A.** Tarantula versus tarantula-hawk; a study in instinct. *J. Exp. Zool.*, 1926, 45: 367-93, 2 pl.—**Piéron, H.** La genèse des instincts esclavagistes et parasitaires chez les fourmis. *Rev. gén. sc. pur.*, 1910, 21: 769-79.—**Santschi, F.** Quelques observations nouvelles et remarques sur la variabilité de l'instinct de nidification chez les fourmis. *J. Psychol. Neur.*, Lpz., 1908, 12: 136-49.—**Schimmer, F.** Ueber die Wasmanische Hypothese des Duldungsinstinktes der Ameisen gegenüber synöken Myrmekophilen. *Zool. Anz.*, 1910, 35: 81-95.—**Schneirla, T. C.** The relationship between the two principal instinctive activities of army ants. *Psychol. Bull.*, 1934, 31: 745.—**Stone, C. P., & Ferguson, L.** Preferential responses of male albino rats to food and to receptive females. *J. Comp. Psychol.*, 1938, 26: 237-53.—**Tietz, E. V.** The humoral excitation of the nesting instincts in rabbits. *Science*, 1933, 78: 316.

INSTITUTE.

As author see under name of place; as subject see under subject as **Algeria** for Institut Pasteur d'Algérie; **Anatomy**, Institutes and museums; **Anhalt** for Statistisches Landesamt; **Baltimore** for James Buchanan Brady Urological Institute, etc.

INSTITUTION.

See also generic and specific names of institutions, establishments, foundations, etc., as **Hospital; Library; Orphanage; Washington** for the Carnegie Institution, etc.

— **Bernard, L. L.** Institutions and institutionalization. In his *Introd. Sociol.*, N. Y., 1942, 877-902.—**Decreto** número 593 de 1932 (abril 1) por el cual se reglamenta la inspección de los establecimientos de higiene, beneficencia y asistencia pública. *Rev. hig.*, Bogotá, 1933, 13: 178-80.—**Department of Institutional Service (Maine)** *Maine Health Welf. Bull.*, 1938-39, 1: No. 4, 3.—**Farnsworth, P. R.** The J-curve hypothesis. In *Fields of Psychol.* (Seashore, R. H.) N. Y., 1942, 499-505.—**Niles, M. A. H.** Lecture on the government of public literary institutions. *Tr. West. Liter. Inst.*, Cincin., 1835, 4: 207-25.—**Pensinger, C. R.** Food problems of state institutions. *J. Am. Diet. Ass.*, 1943, 19: 120.—**Terrell, M. E.** Depreciation of food service equipment. *Ibid.*, 1942, 18: 379-81.—**Winslow, C. E. A.** Sanitary surveys of institutions. *Bull. Am. Home Economics Ass.*, 1916, ser. 4, No. 5, 36-45.

INSTITUTION (The) quarterly. Springf., Ill., v.1-16, 1910-25.

Title changed to **Welfare** magazine.

INSTRUCTION.

See also **Education; Professor; School; Student; Teacher**; also under subjects as **Anatomy**, **Instruction**, etc.

— **Collings, E.** Problems in apprentice teaching. Pt 1. 178 l. 8° Ann Arb. [1931]

— **Carleton, P. D.** The fallacy of the reversed funnel. *Bull. Am. Ass. Univ. Professors*, 1942, 28: 640-5.—**Hankins, F. H.** Freedom of speech and freedom of teaching. *Ibid.*, 1938, 24: 497-508.—**Petrás, O.** Die geistige Freiheit im Unterricht. *Zschr. pädag. Psychol.*, 1926, 27: 149-54.—**Steinhaus.** Die hygienische Bedeutung des fünfstündigen Vormittagsunterrichts. *Zschr. Schulgesundh.*, 1907, 20: 333-69.

Aid and apparatus.

See also **Learning**.

— **McCLUSKY, F. D., HOBAN, C. F.** [et al.] The place of visual instruction in the modern school. 65 l. 8° [n. p.] 1930.

— **Bredereke, W.** Bemerkungen zu den experimentellen Untersuchungen über Bilderunterricht. *Zschr. pädag. Psychol.*, 1913, 14: 617-23.—**First-aid** instruction by phonographs. *N. York State J. M.*, 1942, 42: 546.—**Klemm, E.** Ein gutes Spiel-, Rechenlehr- und Lernhilfsmittel. *Zschr. Behandl. Schwachsinn.*, 1919, 39: 143-7.—**Kradel, J. C.** An appraisal of a program for the use of visual-sensory aids. *Univ. Pittsburgh Bull.*, 1942, 38: No. 2, 266-73 (Abstr.).—**Neches, H.** Students' lecture notes. *Science*, 1942, 96: 297.—**Pressey, S. L.** A machine for automatic teaching of drill material. *School & Soc.*, 1927, 25: 549-52.—**Révész, G., & Hazewinkel, J. F.** The didactic value of lantern slides and films. *Brit. J. Psychol.*, 1924-25, 15: Sect. Gen., 184-97.

medical.

See also **Education, medical; School, medical; University**.

— **RODMAN, J. S.** Impressions on medical teaching gained from 10 years' experience with national board examinations. 17p. 8° [Wash., 1926]

— **Aschoff, L.** Der medizinische Unterricht in Deutschland; neuzeitliche Betrachtung. *Orvosképzés*, 1935, 25: márc. külöf., 9-14.—**Bezerra Coutinho.** Impressões sobre o ensino medico. *Rev. med. Pernambuco*, 1939, 9: 159-65.—**Darby, T. E.** Educational presentation. *Clin. M. & S.*, 1933, 40: 451-5.—**Ferrari, F.** Per l'insegnamento universitario. *Italia san.*, 1909, 5: 173.—**Gallenga, P.** La instrucción práctica del médico. *Siglo méd.*, 1934, 93: 128-33.—**Gay, F. P.** The medical sciences. *Science*, 1926, 64: 511-3.—**Levine, S. A.** Some notes on the teaching of medicine. *Tr. Ass. Am. Physicians*, 1937, 52: 272-7.—**Loudet, O.** Encuesta sobre la enseñanza médica; planes de ciclos; el examen de ingreso. *Sem. méd.*, B. Air., 1941, 48: pt 1, 1109-18.—**Major, R. H.** The teaching of medicine. *Proc. Congr. M. Educ.*, 1929, 1: 18-21.

Also J. Am. M. Ass., 1929, 92: 1407-10.—**Meakins, J. C.** The teaching of medicine. Bull. Ass. Am. M. Coll., 1928, 3: 108-14.—**Orr, J.** British medical training. J. Ass. M. Students, N. Y., 1938-39, 3: 119.—**Robey, W. H.** Public instruction in medicine. N. England J. M., 1929, 200: 1271-82.—**Rowland, W. D.** Equipment, opportunity, and responsibility in modern medicine. J. Ass. Am. M. Coll., 1932, 7: 29-37.—**Sergeant, E.** L'enseignement de la médecine et l'étude des sciences médicales. In Libro de oro M. R. Castex, B. Air., 1939, 3: 1215-20.—**Souza Araujo, H. C. de.** O ensino médico na Colombia. Brasil med., 1941, 55: 110.—**Tomesik, J.** Die Reform der medizinischen Ausbildung im Ausland. Orsz. Közégész. Int. közl., 1937, 10: No. 35, 1-13.—**Upham, J. H. J.** El adelanto en la enseñanza de la medicina. Bol. Of. san. panamer., 1940, 19: 142-7.—**Wiejcki, C.** [On reforms in medical instructions] Med. prakt., Poznań 1935, 9: 258-60.—**Wright, S.** Time and the second MB; reflexions on the students' guide. Lancet, Lond., 1942, 2: 403.

— medical: Curriculum.

See also Education, medical, Premedical studies.

Allen, R. B. Present problems in curriculum adjustment. J. Am. M. Ass., 1942, 118: 646.—**Archibald, R. M.** Students and the curriculum. Brit. M. J., 1941, 2: 711.—**Barker, L. F.** The practicing physician looks at the preclinical sciences. South. M. J., 1939, 32: 965.—**Batten, L. W.** What is wrong with the medical curriculum? Lancet, Lond., 1932, 2: 143-6.—**Beadle, L. C.** The premedical curriculum. Ibid., 1942, 1: 275.—**Best, R. R.** Considerations regarding our present medical curricula and practice. Diplomat, 1934, 6: 185-9.—**Bishop, P. M. F.** To those undertaking the pre-clinical sciences. Guy's Hosp. Gaz., Lond., 1937, 51: 392.—**Boycott, A. E.** What is wrong with the medical curriculum? Lancet, Lond., 1932, 1: 33-5.—**Cabot, H.** Should the medical curriculum be importantly recast? Clin. M., 1926, 33: 10-3.—**Cannan, R. K.** The physical sciences in the training of the physician. J. Ass. Am. M. Coll., 1936, 11: 173-84.—**Cannon, I. M.** Social case teaching of medical students. Ibid., 1934, 9: 139-46.—**Carr, E.** Northwestern University medical school and graded curriculum. Q. Bull. Northwest. Univ. M. School, 1941, 15: 56-61.—**Casaubon, A.** Contestación a la encuesta de la F. de C. médicas sobre el plan de estudios y asuntos conexos. Sem. méd., B. Air., 1941, 48: pt 2, 276-8.—**Changes in the French medical curriculum.** J. Am. M. Ass., 1936, 107: 1575.—**Clark, G. A.** The search for an ideal curriculum. Univ. Durham School M. Gaz., 1938-39, 39: 5-16.—**—** The medical curriculum. Brit. M. J., 1942, 2: 259.—**Clouston, H. R.** The medical curriculum as viewed by a country general practitioner. Canad. M. Ass. J., 1933, 28: 317-20.—**Coerper, C.** Ueber die Neugestaltung des medizinischen Unterrichts an deutschen Universitäten. Deut. med. Wschr., 1933, 59: 698-700.—**Crispell, R. S., Cameron, N. A.** [et al.] Discussion of pre-medical training. Proc. Conf. Psychiat. Educ. (1936) 1938, 4. Conf., 185-215.—**Cushing, H. W.** The clinical teacher and the medical curriculum. In his Conser. medici, Bost., 1940, 186-99.—**Dart, R. A.** The content of the first year of study in medicine. S. Afr. M. J., 1935, 9: 108-10.—**Davison, W. C.** Liberalizing the curriculum. South. M. J., 1928, 21: 983-7.—**Dickson, E. C.** On the practical value of instruction of undergraduate medical students in public health and industrial medicine. J. Ass. Am. M. Coll., 1936, 11: 308.—**Douthwaite, A. H.** The medical curriculum. Guy's Hosp. Gaz., Lond., 1931, 45: 382-90.—**Fick, R.** Betrachtungen über den vorklinischen Unterricht. Klin. Wschr., 1928, 7: 1921-3.—**FitzGerald, J. G.** Undergraduate instruction in hygiene and preventive medicine. J. Ass. Am. M. Coll., 1936, 11: 240-6.—**Fröhlich, F. W.** Ueber den vorklinischen Unterricht. Klin. Wschr., 1928, 7: 1923.—**Graham-Little, E.** The revised medical curriculum. Lancet, Lond., 1937, 2: 344.—**—** Post-war medical curriculum. Med. Press & Circ., Lond., 1942, 208: 234-7.—**Halliday, W. R.** What should the doctor be taught? Lancet, Lond., 1937, 2: 866-8.—**Harvey, S. C.** The objectives of medical education, an introduction to the consideration of a curriculum. Yale J. Biol., 1940-41, 13: 847-62.—**—** The objectives of medical education, an introduction to a study of the curriculum. Proc. Congr. M. Educ., 1941, 18-21.—**Also Fed. Bull., Chic., 1941, 27: 362-70.**—**Harvey, W. G.** Discussion on the teaching of special subjects in the medical curriculum. Irish J. M. Sc., 1932, 83: 632-5.—**Huggett, A. S. G.** The preclinical subjects in medical training. Austral. N. Zealand J. Surg., 1937-38, 7: 363-5.—**Irwin, L. W.** Some projected curriculum planning. J. Health Phys. Educ., 1939, 10: 509-11.—**Kairiukstis, V.** Zur Frage des medizinischen Studiums. Wien. med. Wschr., 1938, 88: 899-901.—**Keenan, E.** The student, the teacher and the medical curriculum. Irish J. M. Sc., 1942, 6. ser., No. 202, 543-56.—**Kerr, J. M. M.** General medical practice and the medical curriculum. Brit. M. J., 1927, 1: 870.—**Kraines, S. H.** Proposed plan for teaching in medical schools. J. Ass. Am. M. Coll., 1942, 17: 352-8.—**Langdon-Brown, W.** The medical curriculum and present-day needs. Brit. M. J., 1938, 2: 481-4.—**Lavista, R., & Lieéaga, E.** Proyecto de reformas a la ley de instrucción pública, en lo relativo a la enseñanza de la medicina. Mem. Congr. méd. panamer. (1896) 1898, 2. Congr., 2: 1039-52 [Engl. text] 1052-66.—**Lebedinsky, M. S.** [Psychology in the system of medical education] Vrach. delo, 1934, 16: 145-7.—**Length of the curriculum.** Brit. M. J., 1940, 1: Suppl., 89.—**Loewenthal,**

L. J. A. The place of logic in medical education. East Afr. M. J., 1936-37, 13: 204-10.—**Loudet, O.** Encuesta sobre enseñanza médica; planes de estudios; examen de ingreso. Rev. psiquiat. crim., B. Air., 1941, 6: 71-90.—**Lyons, E. P.** Curriculum of a technical school; medicine. Minnesota M. J., 1927, 10: 116-21.—**Macklin, M. T.** The need of a course in medical genetics in the medical curriculum; a pivotal point in the eugenic programme. Edinburgh M. J., 1933, n. ser., 40: 20-30.—**MacNider, W. D.** The 2-year medical school and university education. Phi Chi Q., Menasha, 1938, 35: 580-5.—**Maes, U.** Some suggested reforms in the medical curriculum. J. Am. M. Ass., 1924, 82: 2007-9.—**Maldeis, H. J.** Brief consideration of the new medical system. Bull. Nurs. Alumnae Ass. Univ. Maryland, 1940, 41-4.—**Marriott, W. M.** Broadening the medical curriculum. South. M. J., 1925, 18: 147-9.—**—** Unification of the medical curriculum. Ibid., 1936, 29: 927-30.—**Marshall, H. T.** The medical curriculum. Ibid., 1928, 21: 987-94.—**Medical (The) course in Germany and England.** Lancet, Lond., 1942, 2: 261.—**Medical (The) curriculum.** In Am. Med. (Am. Found.) N. Y., 1937, 1: 289-379.—**Medical (The) curriculum.** Guy's Hosp. Gaz., Lond., 1937, 51: 398-407.—**Medical (The) curriculum.** Lancet, Lond., 1938, 2: 211-3.—**Medical (The) curriculum.** by Alpha. S. Thomas Hosp. Gaz., Lond., 1940, 38: 60-4.—**Medical (The) curriculum.** Brit. M. J., 1942, 2: 191.—**Medical (The) curriculum.** N. England J. M., 1942, 227: 887.—**Medical (The) curriculum and present-day needs.** J. Am. M. Ass., 1938, 111: 1711.—**Medical education in Scotland; the medical curriculum; the universities; qualifications given by the Scottish colleges.** Edinburgh M. J., 1940, 47: No. 9, 1-28.—**Moorman, L. J.** Teaching medical students the normal body. South. M. J., 1927, 20: 216-9.—**Mozolowski, W.** [Study of physiology and anatomy before taking medical course] Lek. wojsk., 1929, 13: 246-9.—**Musser, J. H.** Elective courses in medical curriculum. South. M. J., 1935, 28: 1170-4.—**Norlander, A.** [Therapeutic education or medical studies?] Sven. läk. tidn., 1934, 31: 1437-44.—**Painter, C. F.** Educational requirements for twentieth century practice; who should determine them and how they may best be achieved. Boston M. & S. J., 1926, 194: 1057-65.—**Petersen, H.** Probleme des vorklinischen Unterrichts. Hippokrates, Stuttgart, 1929, 2: 86-104.—**Pincoffs, M. C.** A happy balance in all things. Bull. School M. Univ. Maryland, 1937-38, 22: 18-27.—**Piñero García, P. P.** Consideraciones sobre los fundamentos y orientación del plan de estudios proyectado para la Escuela de medicina de Rosario; contestación a la encuesta sancionada por el Cuerpo de profesores. Sem. méd., B. Air., 1942, 49: pt 2, 1453-64.—**Porter, L.** The present curriculum and the aims of medical education; are they compatible? Fed. Bull., Chic., 1936, 22: 355-63.—**Also J. Am. M. Ass., 1936, 106: 1318.**—**—** A statement of policy for the development of a curriculum for a university medical school. J. Ass. Am. M. Coll., 1942, 17: 316-8.—**Raulston, B. O.** A plan of introduction to clinical medicine; some variations in curriculum of the third and fourth years in medical school. Proc. Congr. M. Educ., 1938, 34. Congr., 17-9.—**Also Fed. Bull., Chic., 1938, 24: 355-62.**—**Also J. Am. M. Ass., 1938, 110: 1213.**—**Rees, M. H.** Curriculum suggestions. J. Ass. Am. M. Coll., 1932, 7: 1-4.—**Reform of the medical curriculum (London)** J. Am. M. Ass., 1936, 107: 292.—**Reid, W. D.** The curriculum. J. Ass. Am. M. Coll., 1931, 6: 283.—**—** The medical curriculum. Ibid., 1934, 9: 274-87.—**Réorganisation des études en vue du doctorat en médecine.** J. sc. méd. Lille, 1924, 42: pt 2, 253; 261.—**Rich, A. R.** Reflections on the relation of the curriculum to certain problems in medical education. Bull. Johns Hopkins Hosp., 1931, 49: 121-69.—**Roberts, F.** The medical curriculum. Lancet, Lond., 1933, 1: 763-5.—**Ryerson, E. S.** An unscheduled course. Univ. Toronto M. J., 1933, 11: 3.—**Schober, P.** Die neuen französischen Gesetzesbestimmungen über den Studiengang und die Prüfungsordnung für Mediziner. Deut. med. Wschr., 1924, 50: 1762.—**Stead, E. A., jr.** The teaching program of the Department of Medicine at Emory University. Bull. Fulton Co. M. Soc., 1942, 16: No. 12, 4.—**Stokes, J. H.** The teaching of dermatology and syphilology to the medical undergraduate. Arch. Derm. Syph., Chic., 1928, 17: 466-88.—**Sugestões elaboradas pelo Conselho técnico administrativo para a nova reforma do ensino médico.** An. Fac. med. Univ. S. Paulo, 1940, 16: tom. 2, 703-8.—**Szule, G.** [Reform in the medical courses in Germany] Lek. wojsk., 1939, 33: 606-12.—**Turner, G. G.** What is wrong with the medical curriculum? Lancet, Lond., 1932, 1: 1375.—**Van Beuren, F. T., jr.** Full time; the letter or the spirit? J. Am. M. Ass., 1925, 84: 1324-6.—**Wetzel.** Probleme des vorklinischen Unterrichts. Münch. med. Wschr., 1929, 76: 1678-81.—**What should the doctor be taught?** J. Am. M. Ass., 1938, 111: 889.—**Zapffe, F. C.** History of medical education; the first graded curriculum. J. Ass. Am. M. Coll., 1938, 13: 391-3.—**Ziegner, H.** Ueber innere Krisen in der Heilkunde. Zschr. ärztl. Fortbild., 1927, 24: 333-5.

— medical: Curriculum—in wartime.

Accelerated medical courses. N. Orleans M. & S. J., 1941-42, 94: 500.—**Accelerated (The) medical curriculum.** Fed. Bull., Chic., 1942, 28: 88-90.—**Also J. Am. M. Ass., 1942, 118: 735.**—**Acceleration of medical training.** Canad. M. Ass. J., 1942, 46: 618.—**B., W. H.** The war and medical education. Ann. Int. M., 1942, 17: 874-6.—**Gariépy, U.** L'enseignement de la médecine et la guerre. Union méd. Canada, 1942, 71: 687-95.—**Johnson, V.** Four academic years in 3 calendar

years. Q. Phi Beta Pi M. Fratern., 1942, 39: 112-7. —**Swett, F. H., & Green, J.** The accelerated program of medical education. J. Ass. Am. M. Coll., 1943, 18: 73-9. —**Lehman, E. P., McEwen, C., & Mustard, H. S.** Report of the committee of the Association of American Medical Colleges on changes in undergraduate teaching as a result of the war. Ibid., 1942, 17: 229-31. —**Ryerson, E. S.** Acceleration of medical training in Canada. Fed. Bull., Chic., 1942, 28: 174-81. Also J. Am. M. Ass., 1942, 119: 216. — Accelerated course at the University of Toronto. J. Ass. Am. M. Coll., 1942, 17: 319. —**Shorter (A)** medical curriculum. J. R. Inst. Pub. Health, 1942, 5: 140. —**Swett, F. H.** The accelerated program in medical schools. South. M. J., 1943, 36: 5-8. —**Training physicians for Great Britain.** Science, 1941, 93: 321. —**Twist (A)** to the curriculum. Brit. M. J., 1940, 1: 907.

— medical: History.

QUERVAIN, F. DE. Der medizinische Unterricht einst und jetzt. 31p. 8°. Bern, 1924.

Beaton, D. M. First year in retrospect. Univ. Toronto M. J., 1942-43, 20: 97. —**Heischkel, E.** Die Entwicklung des medizinischen Unterrichts. Med. Welt, 1939, 13: 1238; 1267.

— medical: Methods.

LÉVI, A. R. *Le cinématographe dans l'enseignement médical. 41p. 24cm. Par., 1939.

REID, W. D. Teaching methods in medicine; the application of the philosophy of contemporary education to medical schools. 111p. 8° [Newton, 1933]

Bramwell, E. The undergraduate training in medicine. Edinburgh M. J., 1927, n. ser., 34: 746-53. —**Bush, A. D.** The problem method of medical teaching; the repercussion. Med. J. & Rec., 1926, 123: 485-7. —**Casey, A. E.** Research activity and the quality of teaching in medical schools. Science, 1942, 96: 110. —**Darby, T. E.** Teaching technic. Clin. M. & S., 1933, 40: 85-9. —**Friesel, H. E.** The need for standardizing our methods of teaching. Dent. Era, 1909, 8: 539. —**Gradenwitz, A.** Das Didaktikop: eine Neuerung für den medizinischen Unterricht. Umschau, 1925, 29: 876. —**Haggerty, M. E.** The improvement of medical instruction. J. Ass. Am. M. Coll., 1929, 4: 42-58. —**Hirschfelder, A. D.** Coordination in the teaching of the fundamental and the clinical sciences. Ibid., 6-12. —**Keegan, J. J.** The problem of third year medical teaching. Bull. Ass. Am. M. Coll., 1928, 3: 312-6. —**Keiller, W.** Undergraduate teaching in medicine. South. M. J., 1924, 17: 720-5. —**Krol, M.** [Methodology of teaching in medical faculties] Belaruss. med. misl., 1924, 1: 17-24. —**Leathers, W. S.** The integration of the teaching of preventive and clinical medicine. J. Ass. Am. M. Coll., 1939, 14: 21-5 [Discussion] 37. —**Lettenberger, J.** Teaching methods in medicine, or how effective is our teaching? Dis. Chest, 1938, 4: No. 8, 22-4. Also J. Ass. Am. M. Coll., 1938, 13: 264-8. —**MacArthur, C. G.** The student case method of learning medicine. Ibid., 1940, 15: 245-8. —**MacKeith, R.** Student and screen. Lancet, Lond., 1941, 2: 653. —**Montague, J. F.** A plan for applying motion pictures to medical education. Eye Ear & C. Month., 1927-28, 6: 328. —**Morrison, W. W.** A new aid in technical instruction; the use of still film in place of lantern slides. Arch. Otolaryng., 1929, 9: 543-7. —**Morse, J. L.** The technic of teaching. Am. J. Dis. Child., 1927, 39: 877-82. —**Musser, J. H.** A consideration of the clinical and didactic methods of teaching medicine. Science, 1925, 61: 641-4. — A method of instructing junior and senior students. South. M. J., 1932, 25: 882-6. —**Oppenheimer, R. H.** What should the teacher keep in mind in the instruction of medical students. J. Ass. Am. M. Coll., 1934, 9: 360-4. —**Rocher, H. L., & Jeanneney, G.** Cinématographie et enseignement médical. Hôpital, 1924, 12: 490-3. —**Rosenau, M. J.** La inspección sanitaria como medio de instrucción en las escuelas de medicina. Rev. hig., Bogotá, 1934, 15: 333-43. —**Rosenthal, E.** Associative illustration in medical teaching. Lancet, Lond., 1938, 2: 546-8. —**Schmeisser, H. C., Caltagirone, J. V., & Scianni, J. L.** Graphic art and its application to the teaching of medicine: animated film. South. M. J., 1932, 25: 886-8. Also J. Tennessee M. Ass., 1933, 26: 47-9. —**Ségar, J.** La médecine peut être enseignée au moyen de films parlants et des schémas lumineux animés, une démonstration de M. Lutembacher au studio Gaumont. Hôpital, 1928, 16: 683-5. —**Stokes, J. H., & Beerman, H.** Manikins for teaching intravenous and intra-muscular injection technic. J. Am. M. Ass., 1930, 94: 1658-60. —**Wahl, H. R.** Experiments in correlating clinical, laboratory and didactic instruction in psychiatry and therapeutics. J. Ass. Am. M. Coll., 1929, 4: 13-25. —**Wilbur, R. L.** Saving time in the medical school. J. Am. M. Ass., 1926, 86: 1498. —**Wilson, L. R.** Impressiveness in medical teaching. J. Ass. Am. M. Coll., 1929, 4: 146-59. —**Zinsser, H.** Relationship of the fundamental laboratory to clinical teaching. Proc. Congr. M. Educ., 1929, 1: 1-4. Also J. Am. M. Ass., 1929, 92: 1399-402.

— medical, postgraduate.

See also Education, medical, postgraduate.

WIENER MEDIZINISCHE FAKULTÄT. Programm des 52. Fortbildungskursus. 20p. 23cm. [Wien, 1934]

Amyot, R. Cours de perfectionnement. Union méd. Canada, 1939, 68: 584. —**Bortz, E. L.** The responsibility of the American College of Physicians for postgraduate training. Ann. Int. M., 1941-42, 15: 582-8. —**Compulsory** graduate courses for Rumanian physicians. J. Am. M. Ass., 1936, 106: 481. —**Cursos de perfeccionamiento en Estados Unidos.** Bol. Of. san. panamer., 1940, 19: 931. —**Cutter, W. D.** Continuation courses for practicing physicians. J. Am. M. Ass., 1942, 118: 69-75. —**Gradle, H. S.** Post-graduate instruction. Tr. Am. Acad. Ophth. Otolaryng., 1938, 22-4. —**Graduate** courses in English at Paris hospitals. J. Am. M. Ass., 1939, 112: 1613. —**Graduate** courses, Harvard Medical School. Arch. Ophth., Chic., 1940, 23: 395. —**Graduate** teaching in Budapest. J. Am. M. Ass., 1936, 107: 1485. —**Heyd, C. G.** Trends in graduate teaching. Ibid., 1935, 104: 1061-4. Also Fed. Bull., Chic., 1935, 21: No. 9, 260-9. —**Huarque Falcón, J.** La enseñanza médica para post-graduados en los Estados Unidos de Norte América. Día méd., B. Air., 1940, 12: 168-70. —**Hume, E.** Instrucción médica para post-graduados. Actas Congr. As. méd. panamer. (1928-29) 1930, 1. Congr., 130-2. —**International** medical post-graduate courses in Berlin. J. Egypt. M. Ass., 1935, 18: 143; 1936, 19: 82. —**Internships** and postgraduate instruction. U. S. Nav. M. Bull., 1940, 38: 404. —**Jensen, S.** [Formation of graduate courses for Danish doctors] Ugeskr. læger, 1940, 102: 1012. —**Kaminsky, L. S.** [Preparatory courses for perfecting the systems of Institutes for post-graduate physicians' courses] Sovet. med., 1942, 6: 29. —**Kostmayer, H. W.** Extension program announced. Mississippi Doctor, 1940-41, 18: 350. —**Lee, W. E.** Graduate medical teaching of the specialties in the graduate school of the University of Pennsylvania. Bull. Am. Coll. Surgeons, 1940, 25: 21. —**McLester, J. S.** Postgraduate medical instruction in Alabama. J. M. Ass. Alabama, 1939, 9: 18. —**Meeker, G. H.** The importance of postgraduate medical teaching. Week. Roster, Phila., 1937-38, 33: 1029. —**Michigan** program for graduates in medicine. J. Michigan M. Soc., 1941, 40: 132. —**Ninth** annual midwinter post-graduate clinics, Colorado State Medical Society; February 5, 6, and 7, 1941. Rocky Mountain M. J., 1941, 38: 130-4. —**Ober, F. R.** Graduate courses in medicine. Bull. Harvard M. Alumni, 1932, 6: 25. — Value of the short course in graduate teaching. J. Ass. Am. M. Coll., 1935, 10: 174-83. —**Opportunities** for physicians. J. Am. M. Ass., 1942, 118: 54. —**Parkins, L. E.** Extension postgraduate medical instruction in the United States and Canada. Ibid., 1934, 102: 2155-9. — The relation of postgraduate medical instruction to public health. Ibid., 1934, 103: 545-7. — The relation of the medical school to extension postgraduate medical instruction. J. Ass. Am. M. Coll., 1935, 10: 143-8. —**Postgraduate** courses arranged by the American College of Physicians, Winter and Spring, 1941. Ann. Int. M., 1940-41, 14: 937-47. —**Postgraduate** course for physicians; a report on the first 5 years of 2-week courses offered by Flint-Goodridge Hospital of Dillard University, New Orleans. J. Nat. M. Ass., N. Y., 1941, 33: 19. —**Post-graduate** instruction for medical officers. U. S. Nav. M. Bull., 1941, 39: 571. —**Postgraduate** lectures. Northwest M., 1941, 40: 181; 289. —**Post-graduate** medical instruction. J. Michigan M. Soc., 1934, 33: 522. —**Post-graduate** medical teaching programme of the New Hammersmith School. Lancet, Lond., 1935, 1: 1172-9. —**Postgraduate** teaching versus the old-fashioned medical meeting. West. J. Surg., 1941, 49: 192. —**Preliminary** program of ninth two-day course of graduate instruction, University of Arkansas, School of Medicine, Little Rock, Arkansas, October 16 and 17, 1940. J. Arkansas M. Soc., 1940-41, 37: 101. —**Proger, S.** The Tufts postgraduate medical program. N. England J. M., 1941, 225: 351-8. —**Program** for postgraduate lectures in 5 regions is completed; dates of opening sessions; other data. Ohio M. J., 1939, 35: 981-7. —**Refresher** courses in medicine. Rocky Mountain M. J., 1941, 38: 18. —**[Russia]**; additional training of medical workers; scientific expeditions] In Sborn. deistv. zakon. zdrav. (Cherniak, S.) Moskva, 1929, 276-307. —**S. A. G.** The refresher course in the college of medicine. J. Philippine M. Ass., 1941, 21: 403-5. —**Slater, J. K.** The future of post-graduate teaching. Edinburgh M. J., 1941, 48: 577-80. —**Speakers** bureau activities, postgraduate courses. J. Iowa M. Soc., 1940, 30: 454-7. —**Training** of practicing physicians to the needs of Oklahoma. J. Am. M. Ass., 1939, 112: 851. —**Weiskotten, H. G.** Continuation courses for practicing physicians. Ibid., 1942, 118: 1390-7; 119: 1042-9; 120: 1415-21. —**Youmans, J. B.** Postgraduate training for practitioners in rural areas, the needs and methods. Proc. Conf. Rural M. (1938) 1939, 152-64 [Discussion] 165-9.

— medical—in clinics and hospitals.

See also Hospital service, Educational service.

Bachmeyer, A. C. The role of the hospital in advanced professional training. J. Am. M. Ass., 1938, 110: 1216. —**Bosco, G.** Semiologia y clinica propedeutica. Rev. med., Rosario, 1938, 12: No. 112, 15-35. —**Bruckman, F. S.** Correlation between the outpatient clinic and the senior curriculum. J. Ass. Am. M. Coll., 1938, 13: 243-6. —**Cutter, I. S.** The use of the outpatient department in medical teaching. J. Am. M. Ass., 1928, 90: 895. — The teaching hospital. Pilot, Evanston, 1936-37, 1: No. 5, 11. —**Davis, N. S.** To what extent should clinical instruction be afforded students of medicine in regular course. J. Ass. Am. M. Coll., 1936, 11: 310. —**DuBois, E. J.** The development of clinical subjects as contributing to university work. Science, 1935, 82: 472-7. —**Fitz, R.** Bedside teaching of medicine. J. Ass. Am. M. Coll.,

1934, 9: 129-31.—**Futcher, T. B.** The importance of bed-side study and teaching. *Canad. M. Ass. J.*, 1935, 32: 357-64.—**Goodwin, R. Q.** Hospital teaching. *South. M. J.*, 1935, 28: 478-81.—**Greppi, E.** Umanità dell'insegnamento clinico. *Gior. med. prat.*, 1936, 18: 3-7.—**Grober.** Das Krankenhaus als Unterrichtsanstalt. *Nosokomeion*, Stuttg., 1930, 1: 432-62.—**Hunt, J. W.** Reserves for preclinical and clinical courses. *J. Ass. Am. M. Coll.*, 1939, 14: 175-86.—**Korányi, S.** Der Unterricht an den Ungarischen Kliniken für innere Medizin. *Orvosképzés*, 1935, 25: márc. különf., 116.—**Marriott, W. M.** Use of the outpatient department in medical education; newer points of view. *J. Am. M. Ass.*, 1936, 106: 1442-4.—**Morawitz, P.** Gedanken über den klinischen Unterricht in Deutschland. *Deut. med. Wschr.*, 1934, 60: 24-7.—**Morichau-Beauchant, R.** Le rendement de l'enseignement clinique dans les 2 premières années d'études médicales. *Arch. méd. chir. province*, 1930, 20: 307-15.—**Pazzini, A.** L'ospedale nella storia dell'insegnamento medico. *Athena*, Roma, 1937, 6: 133-6.—**Peabody, F. W.** The soul of the clinic. *J. Am. M. Ass.*, 1928, 90: 1193-7.—**Perrin, M.** La clinique, école de formation sociale du médecin. *Paris méd.*, 1936, 99: 349-54.—**Pincoffs, M. C.** Bedside teaching of medicine. *J. Ass. Am. M. Coll.*, 1934, 9: 132-8.—**Pratt, J. H.** New features in clinical teaching. *N. England J. M.*, 1930, 203: 1-3.—**Quervain, F. de.** Krankenhaus und klinischer Unterricht. *Schweiz. med. Wschr.*, 1932, 62: 1117-9.—**Rappleye, W. C.** What medical education expects of the hospital? *Mod. Hosp.*, 1927, 28: No. 3, 80-2.—**Shervinsky, V. D.** [The polyclinic as a special institution and the significance of polyclinical work in medical education] *Ter. arkh.*, 1938, 16: No. 1-2, 7-13.—**Strambio, G.** Associazione scientifica per privato insegnamento medico-chirurgico-farmacologico nello Spedale maggiore di Milano. *Gazz. toscana sc. med. fis.*, 1950, 8: 284-93.—**Stuart, H. C.** Teaching in out-patient clinics. *Boston M. & S. J.*, 1925, 193: 833-5.—**Van Etten, N. B.** The teaching clinic. *Proc. Congr. M. Educ.*, 1934, 63-5.—**Wetherbee, W., jr.** Clinical teaching in the outpatient department. *J. Ass. Am. M. Coll.*, 1937, 12: 279-98.—**Wyckoff, J.** The statistical method as an adjunct to the teaching of medicine in the clinics. *Ibid.*, 1930, 5: 210-5.—**Yater, W. M.** The patient and medical education. *Hosp. Progr.*, 1930, 11: 465.

— Method and procedure.

See also **Pedagogics.**

Ackerly, S. S., Young, W. W. [et al.] Types of instruction under simpler conditions. *Proc. Conf. Psychiat. Educ.* (1936) 1938, 4. Conf., 29-37.—**Deutsch, F., Kaufman, M. R., & Blumgart, H. L.** Present methods of teaching. *Psychosomat. M.*, 1940, 2: 213-22.—**Domatilla, Sister.** An experiment in the project method of teaching. *Am. J. Nurs.*, 1920-21, 21: 30-7.—**Fahey, G. L.** The extent of classroom questioning activity of high-school pupils and the relation of such activity to other factors of pedagogical significance. *J. Educ. Psychol.*, 1942, 33: 128-37.—**Farrell, E. E.** A study of the school inquiry report on ungraded classes. *Psychol. Clin.*, Phila., 1914, 8: 29; 57; 99.—**Gaudig, H.** Zur Technik des freitragenden Klassenunterrichts. *Zschr. pädag. Psychol.*, 1920, 21: 58-62.—**Ise, J.** The lecture system. *Bull. Am. Ass. Univ. Professors*, 1942, 28: 625-33.—**Johnson, B.** The use of tests in the evaluation of methods of instruction. *J. Educ. Psychol.*, 1920, 11: 78-88.—**Johnston, J. H.** Scientific supervision of teaching. *School & Soc.*, 1917, 5: 181-8.—**Kohl, C. C.** An experiment with undifferentiated instruction. *J. Educ. Psychol.*, 1913, 4: 297.—**Mayman, G. E.** An experimental investigation of the book, lecture and experiment methods of teaching physics in elementary schools. *Ibid.*, 1915, 6: 246-50.—**Neet, C. C.** The improvement of instruction. *Bull. Am. Ass. Univ. Professors*, 1940, 26: 233-6.—**Paes Barreto, A.** A organização de classes homogêneas nas escolas primárias. *Neurobiologia*, Recife, 1940, 3: 275-94.—**Sievers, K.** Unterrichtsführung im ersten Schuljahr. *Gesundh. & Erzieh.*, 1934, 47: 145-50.—**Silverman, A.** Degrees at any time; brain conservation. *Science*, 1942, 95: 354-6.—**Skaggs, E. B.** The relative value of grouped and interspersed recitations. *J. Exp. Psychol.*, 1920, 3: 424-46.—**Spear, E. B.** Problems in the experimental pedagogy of chemistry. *J. Educ. Psychol.*, 1915, 6: 231-41.—**Spruit, C. B.** Methods of instruction in technical subjects. *Army M. Bull.*, 1939, 48: 31-6.—**Swift, W. H.** A comparative study of 2 methods of presentation by wholes of materials to be learned. *Abstr. Diss. Stanford Univ.* (1941-42) 1942, 17: 28-30.—**Thomas, R.** Group teaching in wartime: an educational opportunity. *Ment. Health*, Lond., 1940, 1: 42-7.—**Walsh, E. A.** Ungraded class work in New York City, methods and results. *J. Psycho. Asthenics*, Faribault, 1914, 19: 50-66.—**Wang, C. W.** How to correct bad spelling and forgetting in children. *N. York M. J.*, 1917, 106: 409.

— Psychology.

See also **Child, Psychology; Fatigue; Intelligence; Mental hygiene, etc.**

Blair, R. The individual child and the methods of teaching. *Sc. Month.*, 1920, 11: 459-63.—**Boggs, L. P.** The psychology of teaching. *Pedag. Semin.*, Worcester, 1917, 24: 367-72.—**Brodsky, P.** Psychologie des Nachhilfunterrichtes. *Internat. Zschr. Individpsychol.* Wien, 1935, 13: 88-104.—**Conelley, R. E.** The effect of position of pupils in the classroom upon

recognition and recall of printed matter. *Abstr. Theses Univ. Pittsburgh*, 1933, 9: 87-93.—**Edmiston, R. W., & Braddock, R. W.** A study of the effect of various teaching procedures upon observed group attention in the secondary school. *J. Educ. Psychol.*, 1941, 32: 665-72.—**Irwin, R. L.** Mental hygiene in the teaching of fundamentals. *Q. J. Speech*, 1942, 28: 212-5.—**Kemsies, F.** Zur Psychologie und Pädagogik der Hausarbeiten. *Zschr. pädag. Psychol.*, 1913, 14: 193-206.—**Lotz, K.** Suggestion als Überzeugungsübertragung und ihre Anwendung in der Erziehung. *Zschr. Psychother.*, 1912, 4: 160-71.—**McClure, S. C.** The effect of varying verbal instructions on the motor responses of preschool children. *Child Develop.*, 1936, 7: 276-90.—**Ohmann, O.** Ein unterrichtspsychologischer Grundsatz über die Aneignung verwechselbarer Begriffe. *Zschr. pädag. Psychol.*, 1918, 19: 34-40.—**Pyle, W. H.** The relation of sex differences to the kind of material used. *J. Educ. Psychol.*, 1925, 16: 261-4.—**Rietz, H. L.** On the correlation of the marks of students in mathematics and in law. *Ibid.*, 1916, 7: 87-92.—**Schmidkunz, H.** Das Einteilen und Definieren im Unterricht. *Zschr. pädag. Psychol.*, 1915, 16: 495; 545.—**Schmidt, F.** Experimentelle Untersuchungen über die Hausaufgaben des Schulkindes; ein Beitrag zur experimentellen Pädagogik. *Arch. ges. Psychol.*, 1904, 3: 33-152.

— School subjects.

See also **Interest; Occupation; Vocation.**

BRANDELL, G. Das Interesse der Schulkinder an den Unterrichtsfächern. 168p. 8° 1pz., 1915.

Forms *Zschr. angew. Psychol.*, 1915, Beih., 10.

HARVEY, N. A. Psychology of the common school subjects. 87p. 8° Ypsilanti [1921]

Bode, P. Beliebtheit der Unterrichtsfächer bei Landkindern. *Zschr. pädag. Psychol.*, 1925, 26: 423-34.—**Boyles, R. E.** The administration of high school program of studies. *Abstr. Theses Univ. Pittsburgh*, 1938, 14: 53-8.—**Brumbaugh, H. E.** How high school pupils use the general curriculum for adjustment. *Ibid.*, 1933, 9: 345.—**Carey, N.** Factors in the mental processes of school children; factors concerned in the school subjects. *Brit. J. Psychol.*, 1916-17, 8: 170-82.—**Fairing, R. L.** An evaluation of the junior high school pupil's daily schedule. *Abstr. Theses Univ. Pittsburgh*, 1940, 36: 76-83.—**Green, S. D.** Occupational information through school subjects; example from Newport news. *Occupations*, 1940-41, 19: 411-3.—**Herrie, T.** Das Präparieren der alten Schriftsteller im Urteil der Schüler. *Zschr. angew. Psychol.*, 1928, 30: 119-49.—**Hewlett, T. C.** Do the schools prepare for beginning jobs? *Occupations*, 1940-41, 19: 418-26.—**Kesselring, M.** Arbeitspsychologische Erhebungen zur Theorie des Stundenplans. *Zschr. pädag. Psychol.*, 1925, 26: 579-93.—**Köhn, K.** Ueber Beliebtheit und Unbeliebtheit von Unterrichtsfächern (aus dem päd. Seminar der Universität Tübingen). *Ibid.*, 1918, 14: 296-332.—**Lobsien, M.** Buchstabiermethode und Wortvorstellungstypus. *Ibid.*, 1920, 21: 130; 223; 297.—**Lode, A.** Die Unterrichtsfächer im Urteil der Schulkinder. *Ibid.*, 1913, 14: 320; 359.—**Lunk, G.** Münchener Erhebungen über das Interesse der Schüler an den Lehrgegenständen. *Ibid.*, 1924, 25: 32-45.—**McNally, H. J.** Organizing school curricula to meet individual differences. *J. Consult. Psychol.*, 1942, 6: 200-4.—**Malsch, F.** Das Interesse für die Unterrichtsfächer an höheren Knabenschulen. *Zschr. angew. Psychol.*, 1923, 22: 393-441.—**Mello de Mattos, R.** Sur l'intervention médicale dans les programmes d'instruction primaire et secondaire. *Porto med.*, 1906, 3: 105.—**Nechajev, A.** Zur Frage der experimentell-psychologischen Bewertung der Schulkenntnisse. *J. psychol. nevr.*, Moskva, 1923, 3: 74-7.—**Reichwaldt, P.** Voruntersuchung über die Auswahl der Unterrichtsstoffe. *Zschr. pädag. Psychol.*, 1927, 28: 278.—**Reszke, L., & White, A.** Occupational information through school subjects; Cincinnati offers a class project. *Occupations*, 1940-41, 19: 413.—**Ribbskog, B., & Aall, A.** Neue Grundlagen für die Lehrpläne des Volksschulunterrichtes in den Lernfächern; pädagogisch-psychologische Untersuchungen. *Arch. ges. Psychol.*, 1939, 104: 455-578.—**Schultze, F. E. O.** Philosophie in der Volksschule, ein Unterrichtsversuch. *Zschr. pädag. Psychol.*, 1924, 25: 388; 418.—**Seekel, E.** Ueber die Beziehung zwischen der Beliebtheit und der Schwierigkeit der Schulfächer; Ergebnisse einer Erhebung. *Zschr. angew. Psychol.*, 1914-15, 3: 268-77.—**Thorndike, F. L.** The correlation between interests and abilities in college courses. *Psychol. Rev.*, 1921, 28: 374-6.—**Usnadze, D.** Das Interesse für Unterrichtsfächer bei Schulkindern in Georgien. *Zschr. pädag. Psychol.*, 1924, 25: 324-38.—**Voights, H.** Korrelationen zwischen den Hauptinteressen für die Unterrichtsfächer und zwischen den Leistungen in wesentlichen Unterrichtsfächern an höheren Mädchenschulen (mit Folgerungen aus den Ergebnissen für die Frage nach der Gestaltung der Mädchenschulen). *Zschr. angew. Psychol.*, 1925, 26: 254-93.—**Wells, H. G.** The informative content of education. *Rep. Brit. Ass. Advance. Sc.*, 1937, 107: 237-48, ch.—**Whitney, F. L.** How grade pupils feel toward their studies. *School & Soc.*, 1918, 8: 118-20.—**Winch, W. H.** Should poems be learnt by school-children as wholes or in parts. *Brit. J. Psychol.*, 1924-25, 15: Sect. Gen., 64-79.—**Zapan, G.** Ueber den Aufbau der Unterrichtsfächer in den höheren Schulen. *C. rend. Conf. internat. psychotechn.* (1934)

1935, 8. Conf., 808-15.—Zeller, D. A new concept of the school curriculum based on the mental health of the child. Bull. Menninger Clin., 1942, 6: 46-52.

INSTRUCTION concernant les personnes mordues par une bête enragée. 23p. 16°. Strasb., J. F. Le Roux, 1779.

INSTRUCTOR.

See Educator; Professor; Teacher.

INSTRUMENT.

See also names of instruments as **Clamp**; **Forceps**; **Needle**, etc.; also names of trades, specialties, organs of body as **Amputated**, **Apparatus** for; **Bone**, **Surgery**; **Instruments**; **Ophthalmology**, **Instruments**; **Surgery**, **Instruments**; **Uterus**, **Curettage**, etc.

FRANCE. MINISTÈRE DE GUERRE. SERVICE DE SANTÉ. Appareils techniques. 455p. 8°. Par., 1922.

GREAT BRITAIN. PATENT OFFICE. Group allotment index to abridgments of specifications Nos. 400,001-420,000. 86p. 4°. Lond., 1935.

KUHN, F. Samaritäre und chirurgische Geräte-Improvisation im Kriege. 34p. 8°. Münch., 1915.

PEARCE, E. Instruments, appliances and theatre technique. 226p. 17cm. Lond., 1941.

Accuracy of calibration removes doubt and danger. Surg. Equip., 1934, 1: No. 3, 6.—Carr, I. N. Electricity in dentistry. Tr. Nat. Dent. Ass., 1914, 332-7.—**Feel** (The) of a fine instrument. Surg. Equip., 1941, 8: No. 3, 8.—Gross, P., & Cooper, F. B. Forceps and retractors made from safety-pins. Arch. Path., Chic., 1935, 20: 900.—Larner, C. Sterile cases for ward instruments. Am. J. Nurs., 1937, 37: 40.—Mummery, C. W. Combined tray, tank cover, and shelf. U. S. Patent Off., 1941, No. 2,260,915.—Polachek, Z. H. Physicians are practical inventors. N. York Physician, 1940, 14: 40.—**Provides** instrument cabinet. Hosp. Management, 1942, 53: No. 2, 24.—Schapinger, G. Ueber die Verwendung von nichtrostendem Stahl zu ärztlichen Instrumenten. Wien. klin. Wschr., 1926, 39: 188.—**Stille** stainless steel instruments, good care prolongs their serviceability. Surg. Equip., 1942, 9: No. 2, 18-20.

Care and conservation.

Hebler, F., & Willecke, W. Pflege und Korrosionsschutz ärztlicher Instrumente. Deut. Apoth. Ztg., 1939, 54: 908-11, pl. Also Zbl. Chir., 1939, 66: 1426-34. ——— Beitrag zur Lösung des Problems des Korrosionsschutzes ärztlicher Instrumente. Veröff. Heer. San., 1940, H. 111, 28-40.—Naci Caglar. Cerrahî aletlerin muhafaza ve muayenesi. Askerî sihiye mecmuası, 1942, 71: 87-91.

History.

BURROUGHS WELLCOME & COMPANY, NEW YORK, N. Y. The Reichert collection illustrative of the evolution and development of diagnostic instruments and techniques in medicine. 71p. 19½cm. N. Y., 1942.

HOLTH, S. Greco-Roman and Arabic bronze instruments and their medico-surgical use. 20p. 27cm. Kristiania, 1919.

Cittert, van. [Historical exhibit of early scientific instruments at Utrecht] Ned. tschr. geneesk., 1928, 72: pt 1, 2224.—Clendening, L. The history of certain medical instruments. Ann. Int. M., 1930-31, 4: 176-89.—Crommelin, C. A. [Science in Leyden; the art of making instruments in the 17th and 18th centuries] Ned. tschr. geneesk., 1926, 70: pt 2, 2497-508.—**Destruction** (The) of instruments in the Museum of the Royal College of Surgeons. J. Am. M. Ass., 1942, 120: 1330.—Grimm. Ein Arztbesteck der römischen Zeit von Aschersleben, Kr. Aschersleben. Sudhoffs Arch., 1936, 29: 104-9.—Schutz, M. Technische Neuheiten auf dem Gebiet der Medizin, öffentlichen Gesundheitspflege und Krankenpflege. Deut. med. Wschr., 1928, 54: 487; 526; 660.—Sudhoff, K. Mutterrohr und Verwandtes im medizinischen Instrumentarium der Antike. Arch. Gesch. Med., 1926, 18: 51-71, 3 pl.—Valle, R. H. Instrumental quirúrgico. In his Cirug. mex. siglo XIX, Méx., 1942, p. lxxxvii-xc.—Weyde, A. J. van der [Observations on artificial hands, apparatus for hunch backs and spectacles] Ned. tschr. geneesk., 1927, 71: pt 2, 661-3.

special.

Bach, E. D. Restraining device. U. S. Patent Off., 1937, No. 2,084,305.—Bullowa, J. G. M., & Ratish, H. D. Apparatus

for enriching air. Ibid., 1941, No. 2,244,659.—Burton, A. F. Medical and surgical apparatus. Ibid., 1939, No. 2,183,318.—Cameron, W. J. Handle for instruments. Ibid., 1937, No. 2,066,328.—Chambers, D. A. Display apparatus. Ibid., 1939, No. 2,176,329.—Corcoran, H. J. Two simple devices for clinic and laboratory use. Hosp. News, Wash., 1938, 5: No. 20, 32-4, 2 fig.—Didusch, W. P. Ribbon gut and method of using the same. U. S. Patent Off., 1939, No. 2,143,910.—Fields, J. J. Lifting and transporting apparatus. Ibid., 1940, No. 2,187,198.—Golub, S., & Frommer, B. Physician's head unit. Ibid., 1941, No. 2,236,819.—Henahan, J. P. Oral airway dam. Ibid., 1937, No. 2,098,340.—Herzig, M. L., & Herzig, F. R. Activation device for the heliopyretic treatment of matter. Ibid., No. 2,074,909, pl.—Hovey, G. M. Thumb or finger guard. Ibid., No. 2,074,113, pl.—Ille, F. W. Water and air projecting device. Ibid., 1941, No. 2,237,436.—Kronenberg, I. B. Medical apparatus. Ibid., 1937, No. 2,078,180, pl.—Lory, G. Mechanical stage. Ibid., 1939, No. 2,148,908.—Lyford, G. Diagnostic and therapeutic apparatus. Ibid., No. 2,156,764.—Mears, D. B. Spinal detector. Ibid., No. 2,161,370.—Meinhardt, F. Screw adjusting mechanism. Ibid., 1940, No. 2,203,303.—Munro, R. W. Medical device. Ibid., 1936, No. 2,049,270.—Ogburn, H. H. Restraining device. Ibid., 1941, No. 2,245,293.—Porter, R. R. Combined lavatory and medicine cabinet unit. Ibid., 1934, No. 1,977,143.—Rabell, M. E. Sanitary appliance and method of making same. Ibid., 1941, No. 2,238,450.—Reineke, L. H. Holding instrument. Ibid., 1939, No. 2,160,988.—Schilling, W. C. Walking stilt. Ibid., 1940, No. 2,216,214.—Staunch, C. B. Dual container. Ibid., 1934, No. 1,979,777.—Torines, T. C. Device for facilitating the lifting of a body. Ibid., 1940, No. 2,192,821.—Viton, J. J., & Cruciani, J. A. Sobre un nuevo aparato para extracción de líquidos en las cavidades orgánicas que al mismo tiempo sirve para inyectar líquidos o gases. Rev. Soc. med. int., B. Air., 1927, 3: 188-95.—Walking control. Rev. Sc. Instrum., 1942, 13: 273.—Wilson, J. R. Obstruction remover. U. S. Patent Off., 1941, No. 2,233,378.

Sterilization.

HÄGELE, E. *Versuche über die Möglichkeit der Instrumenten-Sterilisation mit Formaldehyd-dämpfen in der ärztlichen und zahnärztlichen Praxis. 18p. 8°. Tüb., 1933.

KAYSER, G. *Instrumenten-Sterilisations-Versuche unter Feldverhältnissen. p.351-9. 26½cm. Berl., 1938.

Also Chirurg, 1938, 10:

LÜTCHENS [H. H. L.] O. *Experimentelle Beiträge zur Frage der Sterilisation zahnärztlicher Instrumente; die Sterilisation von Hand- und Winkelstücken in strömendem Dampf. 11p. 8°. Kiel, 1932.

SCHULER, E. *Untersuchungen über die Brauchbarkeit einiger für die Sterilisation von zahnärztlichen Hand- und Winkelstücken in Frage kommender Flüssigkeiten [Tübingen] 20p. 8°. Schramberg, 1933.

Adams, F. R. Sterilization of syringes, needles. Dent. Surv., 1942, 18: 503.—Agussol, L. Procédés pratiques de nettoyage-stérilisation pour la petite instrumentation. Odontologie, Par., 1932, 70: 563-74.—Barbieri, P. A. Investigaciones sobre la esterilización de los instrumentos. Rev. san. mil., B. Air., 1934, 33: 259-64.—Bartels, H. A. Sterilization of dental instruments. J. Dent. Res., 1931-32, 11: 67-81.—Belinsky, A. D. [Sterilization of surgical instruments (dry air and electrosterilization)] Klin. med., Moskva, 1938, 16: 570.—Bentzen, C. F. [Demonstration of a stove for dry sterilisation of instruments] Hospitalstidende, 1913, 5. R., 6: 630.—Brekenfeld. Instrumentensterilisierungsversuche mit kochenden Zephirollösungen. Nervenarzt, 1938, 11: 10-4. ——— Peltret [et al.] Untersuchungen über Instrumentensterilisation. Veröff. Heer. San., 1934, H. 90, 5-47.—Broeckaert, J. Nouvel appareil destiné à stériliser les instruments tranchants. Bull. Soc. belge otol., 1905, 10: 49.—Buys. Stérilisation des instruments à la paraffine liquide. Ibid., 1903, 8: 120.—Dzhigit, E. I. [Sterilization of rubber instruments] Sovet. med., 1941, 5: No. 15, 36.—Ecker, E. E. Are there satisfactory chemical methods for the sterilization of instruments? Surg. Gyn. Obst., 1940, 71: Suppl., 423-6.—Gardner, B. S., & Stafne, E. C. Sterilization of dental instruments. Dent. Surv., 1932, 8: 33-6.—Groppe, E. B. A comparison of air-dried and towel-dried instruments with and without hand scrubbing. Nurs. Educ. Bull., 1930, n. ser., No. 1, 24.—Instrument sterilization; the story of a new germicide and why it was developed. Surg. Equip., 1934, 1: No. 3, 20.—Instrument sterilizing solution. Rev. Sc. Instrum., 1942, 13: 274.—Karetnikova, V. N. [Triple solution: antiseptic substance for disinfection of instruments and certain materials] Vest. khir., 1938, 55: 387-90.—Kisskalt, K. Trockene Aufbewahrung von Stahlklingen. Münch. med. Wschr., 1941, 88: 632 (microfilm)—Konrich, F. Sterilisieren wir unsere Instrumente? Deut. med. Wschr., 1932, 58: 740. ——— Zur Instrumentensterilisation. Med. Welt, 1933, 7: 317. ———

Vorkommen und Resistenz hochresistenter Erdsproren mit besonderer Berücksichtigung der Instrumentensterilisation. Deut. Zschr. Chir., 1935, 245: 141-8. — **Cohn, E.** Zur Instrumentensterilisation. Arch. klin. Chir., 1931, 166: 626-32. — **Lawrence, G. P.** The sterilization of instruments in the field. Mil. Surgeon, 1934, 75: 389. — **MacDonald, J. Jr.** A new and convenient instrument sterilizer. Am. J. Surg., 1916, 30: 94. — **McInteer, R. M., & Frank, E. R.** Instrument sterilization. Nurs. Educ. Bull., 1930, n. ser., No. 1, 22. — **Marmasse.** Stérilisation des instruments et des gants par le formal. Group. méd. chir. 5. rég. [etc.] Orléans, 1917, 157. — **Michelsohn, J.** Instrumentensterilizer und Universalinstrumententisch. Münch. med. Wschr., 1912, 59: 2816. — **Müsch, F. C.** Instrumentensterilisation in der kleinen Chirurgie. Ibid., 1929, 76: 541. — **Mündel, O.** Ein neuartiger Instrumentensterilizer (Frigosteril) Chirurg. 1933, 5: 369-75. — Ueber das Sterilisierungsvermögen von siedender Sodalösung bei vermindertem Atmosphärendruck (ein Beitrag zur Frage der Instrumenten-Sterilisation) Zschr. Hyg., 1937-38, 120: 267-72. — Was soll man von der siedenden Sodalösung als Verfahren für Instrumentensterilisation verlangen? Arch. Hyg., Münch., 1938, 120: 258-67. — **North, T.** Sterilizer tank for instruments. Brit. M. J., 1914, 1: 94. — **Pels Leusden, P., & Brems, G. von.** Sterilisation von Instrumenten in kochenden Desinfektionslösungen (Baktol, Carvesol, Sagrotan und Zephrol) Zschr. Hyg., 1937-38, 120: 247-57. — **Peyer, M.** Ueber Instrumentensterilisation. Ausz. Inaugur. Diss. Med. Fak. Univ. Bern, (1931-33) 1934, No. 42, 1. — **Post, M. H.** Sterilization of sharp instruments by chemical solutions. Arch. Ophth., Chic., 1940, 24: 1030-2. — **Moore, W.** The sterilization of sharp instruments by chemical solutions; further studies. Am. J. Ophth., 1942, 25: 579-84. — **Sereghy, E.** [Sterilization of syringes and needles] Gyógyászat, 1938, 78: 215-7. — Ein neuer Sterilisierungsbehälter zur Sterilisation der Injektionspritzen und -nadeln im Ueberdruck-Wasserdampf (Autoklav) Zbl. Chir., 1938, 65: 2603-6. — [Sterilization of solutions, syringes, needles and a new sterilizing box for overpressure steam sterilization of syringes] Orvosképzés, 1939, 29: Dec. külf., No. 2, 104-16. — **Sobernheim, G.** Die Sterilisation von Instrumenten in Theorie und Praxis. Deut. Zschr. Chir., 1935-36, 246: 290-8. — **Mündel, O.** Ueber Sterilisation von Instrumenten durch siedende Soda-Formaldehydlösung. Schweiz. med. Wschr., 1936, 66: 1191. — **Solas, L.** Etui stérilisateur pour matériel de chirurgie dentaire. Odontologie, Par., 1930, 68: 5-9. — **Soulas, L.** Stérilisation du petit matériel de dentisterie opératoire. Ibid., 1931, 69: 185-93. — **Spaulding, E. H.** Can germicides be relied upon to sterilize cutting-edged instruments? Surg. Gyn. Obst., 1940, 71: Suppl., 426. — **Spieß, G.** Neuer, mehrteiliger Instrumentensterilizer, automatisch genügende Sterilisation garantierend. Deut. med. Wschr., 1913, 39: 1049. — **Sterilization of instruments.** Bull. Pract. Ophth., S. France, 1942, 12: 69. — **Sterilization of instruments.** N. York J. Dent., 1943, 13: 114. — **Stroschein, E.** Sterilisation schneidender Instrumente in strömendem Dampfe. Ber. Versamml. Ophth. Ges. (1910) 1911, 36: 286-93. — **Stutz, L.** Ueber die Instrumentensterilisation durch Auskochen. Deut. Militärarzt, 1938, 3: 201. — **Time saving techniques for sterilizing instruments.** Surg. Equip., 1942, 9: 12. — **Underwood, W. B.** Analysis of the principles involved in pressure steam sterilization of instruments. Hosp. Management, 1940, 50: 35-40. — **Urbach, H., & Hummel, W.** Experimentelle Untersuchungen in neueren zahnärztlichen Instrumentensterilisatoren mit ruhender und bewegter Heissluft. Arch. Hyg., Münch., 1937-38, 119: 1, 311. — **Walter, C. W.** Rapid sterilization of instruments. Mod. Hosp., 1938, 51: No. 6, 52. — **Technique for the rapid and absolute sterilization of instruments.** Surg. Gyn. Obst., 1938, 67: 244-8.

INSTRUMENT trade.

See also Medical supply.

McNEIL-O-GRAM; abstracts of therapeutic articles. Phila., v.17: No. 1, 1943-

Benson, S. W. Sealing quartz windows on Pyrex tubes. Rev. Sc. Instrum., 1942, 13: 267-9. — **Britain** speeds up production of surgical instruments. Med. Rec., N. Y., 1942, 155: No. 12, 26. — **Büttner, A.** Die Karlsruher Werkstätte für Griff-Forschung. Münch. med. Wschr., 1940, 87: 579 (microfilm). — **Cambridge Instrument Company, Inc.;** manufacturers of electrical and mechanical instruments of precision. In Chem. Engin. Cat., 1941-42, 26. ed., 296. — **First report of War Policy Committee.** Rev. Sc. Instrum., 1942, 13: 245-7. — **Fritz, G. B.** Instruments and equipment are becoming harder to obtain; even with priorities, manufacturers cannot get enough raw materials. Med. Econom., 1942-43, 20: No. 3, 36-8. — **Precision Thermometer and Instrument Company.** In Chem. Engin. Cat., 1941-42, 26. ed., 786. — **U. S.** exports of scientific and laboratory instruments and apparatus continue to gain. Pennsylvania M. J., 1940-41, 44: 214. Also Week. Bull. S. Louis M. Soc., 1940-41, 35: 15.

— **Catalogs.**

BOULITTE, G. Catalogue D. 194p. 27cm. Par. [1913]

GREEN, H. J. [Catalogue of] meteorological and scientific instruments. 44p. 23½cm. Brooklyn, 1892.

PILLING, G. P. & SON Co. Catalog of instruments and apparatus for surgeons and hospitals. Ed. 1932-33. 160p. 8° Phila. [1932]

— Price list No. 43 G, March, 1942 [24]p. 21cm. [Phila., 1942]

— Supplement DP No. 38. p.65-80. 24cm Phila. [1942?]

SKLAR, J. MANUFACTURING Co. [BROOKLYN, N. Y.] Illustrated catalogue of domestic and imported surgical instruments, suction, pressure and anaesthesia apparatus, physicians and hospital supplies; 10. ed., 1934. 448p. 8°. Brooklyn, 1934.

— Illustrated catalog of stainless steel and chrome plated surgical instruments, suction and pressure pumps, surgical apparatus, anaesthesia apparatus, physicians' and hospital supplies; 12. ed., 1938. 463p. 8° Brooklyn, 1938.

STORZ INSTRUMENT Co. [S. LOUIS, Mo.] Storz eye, ear, nose and throat instruments, equipment and supplies. 192p. 8° S. Louis [1937]

SURGICAL TRADE, buyer's guide, 1943; a directory of sources of supply for the surgical supply dealer, hospital supply dealer, orthopedic appliance dealer. 116p. 22½cm. N. Y. [1943]

INSUA, Mario L., 1903- *Independencia cinematográfica de la porción larga del tríceps de Bosch Arana. 95p. illust. 26½cm. B. Air., A. López [1934]

— Antecedentes, títulos y trabajos. 30p. 23cm. B. Air., A. López, 1941.

See also Bosch Arana, G. [et al.] Técnica quirúrgica sincronizada. T. 1-2. B. Air., 1937.

INSUA Cartaya, Giraldo A.

See Curbelo y Hernández, A., & Insua Cartaya, G. A. Las bacterias patógenas del hombre. 826p. 24cm. La Habana, 1941.

INSUFFICIENCY.

See under names of organs and functions as **Aortic valve, Insufficiency; Heart failure, etc.**

INSUFFLATION.

See also **Inhalation;** also under names of diseases treated by insufflation as **Otitis media, etc.**

Bolté, B., & McNeilly, H. Insufflator. U. S. Patent Off., 1943, No. 2,307,986. — **Frank, O.** Das Aufblähen von Schläuchen und kugelförmigen Blasen. Zschr. Biol., 1928-29, 88: 93-104. — **Graz, C. M.** A new automatic valve for measuring air insufflations. J. Bone Surg., 1937, 19: 835. — **Langenieux, J.** Dosage de l'hydrogène sulfuré dans le mélange gazeux utilisé à Allevard pour les insufflations tubo-tympaniques. Ann. Inst. hydr., Par., 1935, 10: 83-5. — **Rojas, N., Cattaneo, L., & Raitzin, A.** La insuflación pulmonar en el nacido muerto. Actas Conf. lat. amer. neur., 1929, 1. Conf., 1: 695-703. — **Scott, E. G.** Zinc stearate insufflation, with report of a case. Virginia M. Month., 1930-31, 57: 742. — **Shelanski, H. A.** Insufflator. U. S. Patent Off., 1940, No. 2,185,927. — **Shelanski** insufflator acceptable. J. Am. M. Ass., 1937, 109: 1453. — **Stewart, W. B.** Apparatus for administering powdered aluminum. U. S. Patent Off., 1940, No. 2,214,032. — **Ziegler, C. E.** Powder insufflator. Ibid., 1936, No. 2,050,517.

INSULANDER, Sten Denis Isidor, 1902-

*Experimentelle Untersuchungen über die Schutzkräfte des Tierkörpers gegen Bacillus histolyticus. 80p. 8°. Stockh., I. Marcus, 1933.

INSULATION.

See **Heat** subheadings (Conservation; Hygiene and comfort)

INSULIN.

See also **Insulin therapy.**

AUBERTIN, E. L'insuline. 490p. 8° Par., 1926.

GREVENSTUK, A., & LAQUEUR, E. Insulin; seine Darstellung, physiologische und pharmakologische Wirkung mit besonderer Berücksichtigung seiner Wertbestimmung (Eichung) 281p. 8°. Münch., 1925.

HILL, D. W., & HOWITT, F. O. Insulin; its production, purification and physiological action. 219p. 22½cm. N. Y. [1936] Also English ed. [Lond.] 1936.

JENSEN, H. F. Insulin; its chemistry and physiology. 252p. 8°. N. Y., 1938.

Best, C. H. Das Insulin. Wien. med. Wschr., 1932, 82: 3-6.—Fortunato, A. L'insulina. Gazz. internaz. med. chir., 1926, 31: 438, 466.—Geiling, E. M. K., & Thomas, E. Insulin. In Cyclop. Med. (Piersol Bortz) Phila., 1939, 7: 885-906.—González Deloit, D. F. Divulgaciones científicas de actualidad. Siglo mcd., 1931, 87: 9-12.—Hoppe, G. A. Insulin-kuriosa. Jahrbuch. ärztl. Fortbild., 1939, 20: H. 3, 65-76.—Ide, M. L'insuline. Rev. méd., Louvain, 1923, 108-12; 248-54. —Insulinologie. Ibid., 153-7.—Kanter, M. P. Insulin. Rev. Al. Progr. Proc. Postcolleg. Clin. Assn. Coll. M. Ohio Univ., 1940, 7: 75-9.—Marble, A. Insulin. Collect. Lect. Metrop. State Hosp., Waltham, 1941, 46-68; 1942, pt 3, 491-514.—Mathe, L. Algunas consideraciones sobre la insulina. An. Acad. cienc. méd., Habana, 1923-24, 60: 433-40.—Mathis, H. Notiz über Insulin. Biochem. Zschr., 1929, 213: 72.—Niculescu, P. [Insulin] Rev. st. med., Bucur., 1932, 21: 66.—Quelques notions sur l'insuline. J. sc. méd. Lille, 1924, 42: pt 1, 48-52.—Shrader, J. C. Insulin. J. Iowa M. Soc., 1934, 24: 622-4.—Smith, P. S. Insulin. Am. J. Nurs., 1926, 26: 179-84.

— Absorption.

See also Insulin therapy, Administration.

Bavin, E. M., & Broom, W. A. The effect of certain substances on the absorption of insulin. Q. J. Pharm., Lond., 1937, 10: 327-42.—Bertram, F., Horwitz, S., & Wahnau, E. Leberextrakte als Resorptionsvermittler des Insulins. Klin. Wschr., 1931, 10: 1214-7.—Bodey, M. G., Lewis, H. B., & Huber, J. F. The absorption and utilization of insulin as evidenced by glycogen formation in the white rat. J. Biol. Chem., 1927, 75: 715-23.—Clausen, V. [Clinical examination on insulin resorption properties of adrenalin, pituitrin and ephedrin] Bibl. laeger, 1936, 128: 64-8.—Gebhardt, F., & Fricke, G. Zur Frage der Insulinresorption. Zschr. ges. exp. Med., 1929, 67: 806-9.—Hamburger, R. J. The influence of electrolytes on the permeability of tissues to crystalline insulin. J. Pharm. Exp. Ther., 1931, 43: 233-43.—Redisch, W., & Bloch, B. M. Einfluss der Resorptionsgeschwindigkeit auf die Insulinwirkung. Endokrinologie, 1928, 1: 241-50.—Rosenthal, L., & Kamlet, J. Absorption of insulin by yeasts. Proc. Soc. Exp. Biol., N. Y., 1937-38, 37: 650.—Thiel, K., Ruhnau, A., & Unger, A. Ueber Insulinresorption. Deut. med. Wschr., 1934, 60: 975-8.

— Acid-base equilibrium.

Brugsch, T., & Horsters, H. Der Wasserstoffexponent pH des Vollblutes nach Insulininjektion beim Kaninchen. Biochem. Zschr., 1926, 175: 130-4.—Hubbard, R. S., & Wright, F. R. Acid excretion by diabetic patients receiving insulin. Clifton M. Bull., 1925-26, 11: 84-90.—Kadlicky, R. [Changes in actual reaction of the blood after insulin injection in normal and glaucomatous persons] Cas. lék. česk., 1928, 67: 168-72.—Malcovati, P. Ricerche sulla riserva alcalina del sangue durante la terapia insulinica del diabete. Boll. Soc. med. chir., Pavia, 1924, 37: 493-507.—Marshall, C., McCulloch, W. S., & Nims, L. F. pH of the cerebral cortex and arterial blood under insulin. Am. J. Physiol., 1939, 125: 680-2.—Ponticaccia, L., & Lucchini, C. Effetti dell'insulina sulla reazione attuale del sangue nei diabetici. Gior. biol. med. sper., 1923-24, 1: 481-5.

— Activation.

See also subheadings (Absorption; Inactivation; Potency)

Bertram, F. Ueber Aktivierung des Insulins durch Eiweisskörper. Klin. Wschr., 1926, 5: 2057-61.—Glaser, E., & Halpern, G. Ueber die Aktivierung des Insulins durch Hefepresssaft. Biochem. Zschr., 1929, 207: 377-83.—Gorodetsky, E. E. [Non-specific activation of insulin] Klin. med., Moskva, 1936, 14: 551-4.—Himsworth, H. P. The physiological activation of insulin. Clin. Sc., Lond., 1933-34, 1: 1-38.—Mauriac, P., & Servantie, L. Les substances albuminoïdes ont-elles un rôle activateur sur l'action de l'insuline? C. rend. Soc. biol., 1926, 95: 594-6.

— Adsorption.

Fisher, A. M., & Scott, D. A. The adsorption of insulin on charcoal. Tr. R. Soc. Canada, 1934, 28: Sect. 5, 75-80.—Jensen, H., & De Lawder, A. Studies on crystalline insulin; the adsorption of insulin on charcoal. J. Biol. Chem., 1930, 87: 701-12.—Johlin, J. M. Attenuation of insulin by interfacial absorption. Proc. Soc. Exp. Biol., N. Y., 1937-38, 36: 523. —The attenuation of insulin by adsorption.

Endocrinology, 1941, 29: 574-6.—Sandberg, M., & Brand, E. Note on the absorption of insulin by kaolin. Proc. Soc. Exp. Biol., N. Y., 1925-26, 23: 317-9.

— Antagonists.

See subheadings (Hormonal correlations; Inactivation)

— Antibody.

See Insulin, Inactivation.

— Antigenic properties.

See also Insulin therapy, Allergy.

Barral, P., & Roux, J. L'insuline constitue-t-elle en elle-même un antigène spécifique? C. rend. Soc. biol., 1931, 106: 292.—Lewis, J. H. The antigenic properties of insulin. J. Am. M. Ass., 1937, 108: 1336-8.—Wasserman, P., Broh-Kahn, R. H., & Mirsky, I. A. The antigenic property of insulin. J. Immun., Balt., 1940, 38: 213-9.

— Assay.

See also Insulin, Manufacture.

Antognetti, L., & Geriola, F. Studi sui test ormonici; l'insulina. Endocr. pat. cost., Bologna, 1935, 10: 421-32.—Anweisung für die Insulinprüfung. Reichsgesundhbl., 1938, 13: 582.—Bauman, L. Difficulties in evaluating an insulin preparation. J. Am. M. Ass., 1939, 113: 1829.—Best, C. H. Die Standardisierung von Insulin. In Handb. biol. Arbeitsmeth. (Abderhalden, E.) Berl., 1938, 5: T. 3 B. 1. Hälfte, 513-27.—Dischoff, F., Maxwell, L. C., & Blatherwick, N. R. Note on the Wyss chemical method of assaying insulin. J. Biol. Chem., 1926, 67: 547.—Bieth, Blanchard, L., & Simonnet, H. L'insuline; le titrage des préparations insuliniennes. Bull. sc. pharm., Par., 1926, 33: 417; 497.—Bliss, C. I., & Marks, H. P. The biological assay of insulin; the estimation of drug potency from a graded response. Q. J. Pharm., Lond., 1939, 12: 182-205.—Bradd, E., & Sandberg, M. On the possible iodometric estimation of insulin. Proc. Soc. Exp. Biol., N. Y., 1925-26, 23: 313-6.—Colombi, C., Long, M., & Tosato, A. Contributo allo studio dei metodi di controllo dei preparati d'insulina. Biochim. ter. sper., 1934, 21: 378-84.—Csépai, K., & Forstner, B. Eine klinische Methode zur Wertbestimmung von Insulinpräparaten. Endokrinologie, 1929, 3: 412-6.—Culhane, K., Marks, H. P. [et al.] Observations on insulin; physiological assay. Biochem. J., Lond., 1929, 23: 397-409.—Cutting, M. The detection of insulin in urine. Ibid., 1942, 36: 376-83.—Desgrez, A., Bierry, H., & Rathery, F. Insuline: test d'activité et posologie. Bull. Acad. méd., Par., 1927, 3. ser., 97: 133-9. Also Bull. gén. théor., 1927, 178: 56-61.—Dirschel, W. Ueber Insulin; Untersuchung der Einheitlichkeit von Insulinpräparaten. Zschr. physiol. Chem., 1931, 202: 116-27.—Drury, D. R., & Greeley, P. O. The measurement of insulin action. Am. J. Physiol., 1939, 127: 581-8.—Fornet, W. Die chemische Standardisierung des Insulins. Arch. exp. Path., Lpz., 1928, 128: Suppl., 93-6.—Freudenberg, K., & Dirschel, W. Ueber Insulin; Bemerkungen über die Messung des Insulins. Zschr. physiol. Chem., 1929, 180: 212-6.—Gley, P., Delor, J., & Jacquot, I. Titration biologique de l'insuline. J. physiol. path. gén., 1939-40, 37: 925-30.—Greeley, P. O., Bergman, H. C. [et al.] Measurement of insulin action. Proc. Soc. Exp. Biol., N. Y., 1936, 34: 121-3.—Heinbecker, P., Somogyi, M., & Weichselbaum, T. E. Quantitative assay of insulin effect. Ibid., 1937-8, 36: 399-401.—Hrubetz, M. C. The assay of insulin and the blood sugar level. Am. J. Physiol., 1934, 107: 284-92.—Jongh, S. E. de [On the present standardization of insulin] Ned. tschr. geneesk., 1926, 70: pt 1, 2173-7. —[International standardization of insulin] Ibid., 1927, 71: pt 1, 983-9. —Eichung von Insulin. In Handb. biol. Arbeitsmeth. (Abderhalden, E.) Berl., 1938, 5: T. 3 B. 2. Hälfte, 1475-92. —& Laqueur, E. Sur l'état actuel de la question de l'étalonnage de l'insuline. Arch. néerl. physiol., 1926, 11: 453-9.—Kohl, H. Ueber kristallinisches Insulin; über die Standardisierung des kristallinen Insulins nach der Flächenwertmethode. Arch. exp. Path., Berl., 1936, 182: 550-9.—Levina, R. I., & Gurvich, R. I. [Determination of insulin in the blood by Brugsch-London's method] J. Physiol. USSR, 1941, 30: 249-51.—Makhofina, O. V. [Determination of insulin in the blood] Vrach. delo, 1938, 20: 667-72.—Meythaler, F., & Bingel, A. Die Prüfung der Wirkungsintensität intravenös verabreichten Insulins als Standardisierungsmethode für Insulin. Klin. Wschr., 1937, 16: 589-91.—Modern, F., Scotti, C. M., & Wernicke, R. Dosage biologique de l'insuline. C. rend. Soc. biol., 1927, 97: 1244-6. Also Rev. Soc. argent. biol., 1927, 3: 459-71.—Monasterio, G. Sulla valutazione dell'attività insulinica. Riforma med., 1933, 49: 1309-12.—Mulli, K., & Werner, H. Ueber eine physikalisch-chemische Methode zur Wertbestimmung von Insulinpräparaten. Deut. med. Wschr., 1937, 63: 1941-3.—Roffo, A. E., jr., & Fracone, M. P. Titulación espectrográfica de la insulina. Bol. Inst. med. exp. cáncer, B. Air., 1941, 18: 1003-13.—Ssargin, K. Zur Frage der Wertbestimmung von Insulin. Arch. exp. Path., Lpz., 1929, 144: 173-89.—Stasiak, A. The influence of diet on the physiologic assay of insulin. J. Lab. Clin. M., 1926-27, 12: 256-8. —& Zboray, B. [Evaluation of insulin] Orsz. Közegész. Int. közl., 1930, 3: No. 40,

1-8.—**Steff, J.** Versuch einer neuen Standardisierungsmethode für Insulin. Arch. exp. Path., Berl., 1936, 181: 617-24.—**Toparskaia, V. N.** Zur Beurteilung der biologischen Insulinprobe nach Brugsch-London. Bull. biol. méd. exp. URSS, 1938, 6: 427-30.—**Voegtlin, C., Dunn, E. R., & Thompson, J. W.** The biological standardization of insulin. Pub. Health Rep., Wash., 1924, 39: 1935.—**Wernicke, R., & Modern, F.** Medición biológica de la insulina. An. Dep. nac. hig., B. Air., 1927, 33: 214-28. Also Rev. Soc. argent. biol., 1927, 3: 709.—**Wilder, R. M.** The clinical assaying of insulin and the insulin requirement. Endocrinology, 1924, 8: 630-8.

— Assay: Standards and units.

See also subheading Potency.

Amendment respecting certification of drugs containing insulin, and regulations respecting insulin. In Treat. Law of Food (Toulmin, H. A., jr) Cincin., 1942, 1157-73.—**Best, C. H., Krogh, A., & Dale, H. H.** The new insulin standard, and the redefinition of the unit in relation thereto; report of the International Conference of Experts to the Permanent Commission on Biological Standardisation. Q. Bull. Health Org. League of Nat., 1936, 5: 656-8.—**Federal** regulation of insulin standards. N. York State J. M., 1942, 43: 214.—**Hemmingsen, A. M., & Weitz, M.** Comparison of the crystalline insulin preparation designed for the new international standard with the old international standard insulin of 1924. Q. Bull. Health Org. League of Nat., 1936, 5: 625-8.—**Hershey, J. M., & Lacey, A. H.** Comparisons, as regards unit value, between the original international insulin standard and the proposed new standard. Ibid., 589-98.—**Hess, C. L.** Standardization of insulin to 10 unit, 50 unit and 100 unit strengths. J. Michigan M. Soc., 1929, 28: 214-6.—**Lathbury, K. C.** Comparison of the proposed crystalline standard with the present international insulin standard. Q. Bull. Health Org. League of Nat., 1936, 5: 610-21.—**New (A)** international insulin standard and the redefinition of the existing unit in terms thereof. Ibid., 584-8.—**Trevar, J. W.** Comparison of the proposed new international (crystalline) standard insulin with the current international standard. Ibid., 622-4.—**Tron, J.** La nueva unidad de la insulina Lilly (Letin) y el tratamiento de las diversas formas de diabetes. Rev. sudamer. endocr., B. Air., 1924, 7: 248-56.—**Umber, F.** Werden und Wirken des Deutschen Insulinkomitees. Deut. med. Wschr., 1932, 58: 1157-60.—**Walden, G. B.** Comparison of the old international insulin standard with the new crystalline standard (rabbit method) Q. Bull. Health Org. League of Nat., 1936, 5: 629.

— Assay: Test animals.

Allen, A., Feldman, J., & Cellhorn, E. The use of the adreno-demidulated, the hypophysectomized and the hypophysectomized-adreno-demidulated rat for the assay of insulin. Am. J. Physiol., 1941, 133: 193.—**Culhane, K.** The use of rabbits in insulin assay. Q. J. Pharm., Lond., 1928, 1: 517-33.—**Fieller, E. C., Irwin, J. O.** [et al.] The dosage response relation in the crossover rabbit test for insulin. Ibid., 1939, 12: 206-11; 724-42.—**Hemmingsen, A. M.** The accuracy of insulin assay on white mice. Ibid., 1933, 6: 39-80; 187-218.—**Horsters, H., & Brugsch, H.** Insulinstudien; Insulinrechnung an der weissen Maus. Zschr. ges. exp. Med., 1929, 65: 569-73.—**Lacey, A. H.** The rabbit method of insulin assay. Endocrinology, 1941, 29: 866-76.—**Marks, H. P.** A comparison of the rabbit and mouse methods in the assay of highly active insulin preparations. Q. J. Pharm., Lond., 1932, 5: 255-73.—**The mouse method** for the assay of insulin. Ibid., 1940, 13: 344-8.—**Pak, C.** Evaluation of the new international standard insulin by the rabbit and mouse methods of assay. Q. Bull. Health Org. League of Nat., 1936, 5: 631-51.—**Procter, H. A., & Garden, J. G. G.** Assay of crystalline insulin by the mouse convulsion method. Ibid., 599-606.—**Sahyun, M., & Blotherwick, N. R.** The rabbit method of standardizing insulin. Am. J. Physiol., 1926, 76: 677-84.—**The physiological response** of rabbits to insulin. J. Biol. Chem., 1928, 79: 443-60.—**Scott, D. A.** The assay of the international crystalline insulin standard by the mouse method. Q. Bull. Health Org. League of Nat., 1936, 5: 607-9.

— Blood pressure and circulatory effect.

See also subheadings (Cardiovascular effect; Heart effect)

Vömel, F. *Experimentelle Untersuchungen über primäre Kreislaufwirkungen des Insulins [Kiel] 12p. 8°. Quakenbrück, 1931.

Abramson, D. I., Schiklova, N. [et al.] Influence of massive doses of insulin on peripheral blood flow in man. Am. J. Physiol., 1939-40, 128: 124-32.—**Amelio, F.** Influenza dell'insulina sulla pressione cardiovascolare e sull'indice oscillo metrico nei diabetici. Morgagni, 1931, 73: 595-608.—**Barbera, V.** Azione dell'insulina da sola e con sostanze ad azione similare sulla pressione sanguigna negli individui normali. Clin. med. ital., 1937, 68: 567-80.—**Brauch, F., & Schultz, H.** Kreislaufbefunde bei Insulinbehandelten Diabetikern. Klin. Wschr., 1939, 18: 642-5.—**Emiljanowicz, S.** [Effect of large doses of insulin on circulation] Polska gaz. lek., 1937, 16: 879-82.—**Finck, C.** Tension artérielle et insuline. Paris méd., 1930, 75: 85-8.—**Förstner, A., & Kaufmann, K.** Insulin und Hypertonie. Zschr. ges. exp. Med., 1931, 78: 462-6.—**Gheorghe,**

M., & Constantin, V. [Hypotensive action of insulin] Spitalul, 1929, 49: 165-7.—**Gley, P., & Kisthinois, N.** L'action de l'insuline sur la pression artérielle. Bull. Acad. méd., Par., 1928, 3. ser., 100: 1250-60.—**Hadorn, W.** Insulin and the circulation. Am. J. Psychiat., 1937-38, 94: Suppl., 89-96.—**Jung, L., & Auger, L.** Insuline, tension artérielle et vagotonie. C. rend. Soc. biol., 1927, 97: 1163.—**Action des fortes doses d'insuline sur la tension artérielle.** Ibid., 1928, 99: 1989-91.—**Sur l'action hypotensive des insulines.** Ibid., 1929, 101: 821-3.—**Ligori, R.** Azione dell'insulina da sola e con sostanze ad azione similare sulla pressione sanguigna negli ipertesi. Arch. stud. fisopat. ricambio, 1938, 6: 107-30.—**Lorant, J. S., & Slavik, M.** Die Beeinflussung des Blutdruckes durch Insulin bei Diabetes mellitus. Med. Klin., Berl., 1929, 25: 1730-2.—**Marza, G., & Vasilu, C.** [Hypotensive action of insulin] Rev. st. med., Bucur., 1929, 18: 465-8.—**Meyer, H. E.** Insulin and Kreislauf. Zbl. inn. Med., 1936, 57: 761-70.—**Pijoan, M.** Blood pressure responses to insulin. Proc. Soc. Exp. Biol., N. Y., 1936, 34: 37-9.—**Puche i Alvarez, J.** Estudios sobre l'acció de la insulina; efectos de la insulina sobre la presión arterial i la respiració. Tr. Soc. biol., Barcel., 1932, 14: 171-9, 7 graph.—**Strisower, R.** Insulin und Blutdruck. Wien. Arch. inn. Med., 1927, 14: 429-34.—**Villaret, M., Justin-Besançon, L., & Cachera.** Recherches préliminaires sur les substances dites hypotensives retirées de certaines insulines. Presse méd., 1929, 37: 633-7.—**Visco, S., & Castagna, S.** Esercita l'insulina un'azione sulla pressione del sangue? Boll. Soc. ital. biol. sper., 1928, 3: 355-7.

— Cardiovascular effect.

See also subheadings (Blood pressure; Heart)

Räihä, C. E. *Studien über die kardio-vaskulären Wirkungen des Insulins [Helsingfors] 86p. 8°. Berl., 1929.

Also Skand. Arch. Physiol., Lpz., 1929, 57: 243-328.

Alzona, L. Insulina ed apparato cardiovascolare. Arch. pat., Bologna, 1936-37, 16: 67-78.—**Komisarenko, V. P.** [Effect of large doses of insulin on the cardio-vascular system] J. med., Kiev, 1941, 11: 77-86.—**Pal, R. K., & Prasad, S.** Action of insulin on the heart and blood pressure. J. Physiol., Lond., 1934, 82: 154-9.—**Reinwein.** Aussergewöhnliche Insulinschädigungen des Kreislaufs und ihre Folgen für den Kohlenhydratstoffwechsel. Deut. med. Wschr., 1929, 55: 951-3.—**Tiffeneau, M., Broun, D., & Beauné, A.** Etude expérimentale sur l'action cardiovasculaire de l'insuline. In Probl. biol. med. (Leontovich, A. V.) Moskva, 1935, 148-53.

— Chemistry.

See also subheadings (Derivatives; Inactivation; Pharmacology, etc.)

Bunim, J. J. The diffusion constant and molecular weight of insulin. Am. J. Physiol., 1936, 116: 19.—**Chemistry** and biological activity of insulin. Brit. M. J., 1939, 1: 515.—**Cuatrecasas, J.** La química de la insulina. Rev. méd. Barcelona, 1926, 2. ser., 6: 58-60.—**Du Vigneaud, V.** The role which insulin has played in our concept of protein hormones, and a consideration of certain phases of the chemistry of insulin. In Cold Spring Harbor Sympos. Quant. Biol., 1938, 6: 275-85.—**Eyer, H.** Ueber die Chemie des Insulins. Sitzber. Phys. med. Soz. Erlangen (1935-36) 1937, 67: 68: 329-44.—**Fisher, A. M., & Scott, D. A.** An attempt at peptic synthesis of insulin. J. Gen. Physiol., 1933, 16: 741-55.—**Freudenberg, K., & Dirscherl, W.** Ueber Insulin. Zschr. physiol. Chem., 1931, 202: 192-206.—**Eyer, H.** Ueber Insulin; Beiträge zur Chemie des Insulins. Ibid., 128-58.—**Freudenberg, K., & Eyer, H.** Ueber Insulin; Beiträge zur Chemie der Insulins. Ibid., 1932, 213: 226-47.—**Freudenberg, K., & Münch, A.** Zur Kenntnis des Insulins. Ibid., 1940, 263: 1-12.—**Funk, C.** The chemical nature of insulin. Proc. Soc. Exp. Biol., N. Y., 1925-26, 23: 281.—**Glaser, E., & Halpern, G.** Untersuchungen am Insulin im Reagenzglas. Biochem. Zschr., 1926, 179: 144-56.—**Harington, C. R., & Scott, D. A.** Observations on insulin; chemical observations. Biochem. J., Lond., 1929, 23: 384-97. pl.—**Jensen, H., & Evans, E. A., jr.** The chemistry of insulin. Physiol. Rev., 1934, 14: 188-209.—**Mardashev, S. R.** [Chemical nature of insulin] Usp. khimii, 1941, 10: 845-63.—**Miller, G. L., & Andersson, K. J. I.** The molecular weight of insulin. J. Biol. Chem., 1942, 144: 459-64.—**Ort, J. M.** Insulin and amino acid catalysis. Proc. Mayo Clin., 1927, 2: 142.—**Penau & Blanchard, L.** Chimie de l'insuline. Bull. Soc. chim. biol., Par., 1926, 8: 383-450.—**Polonovski, M.** Biochimie de l'insuline. In Régul. hormon., Par., 1937, 581-91.—**Schuntermann, C. E.** Experimentelle Untersuchungen zur Chemie des Insulins. Verh. Deut. Ges. inn. Med., 1932, 44. Kongr., 462-5.—**Simonet, H.** La nature chimique de l'insuline. Progr. méd., Par., 1935, 2051-4.—**Sjögren, B., & Svedberg, T.** The molecular weight of insulin. J. Am. Chem. Soc., 1931, 53: 2657-61.

— Constitution.

Boivin, A. Contribution à l'étude de la composition chimique de l'insuline, composé sulfuré. C. rend. Soc. biol., 1927, 96: 50-2.—**Brugsch, T., & Horsters, H.** Ueber die Coferment-natur des Insulins. Zschr. physiol. Chem., 1926, 157: 186-91.—**Du Vigneaud, V.** The sulfur of insulin. J. Biol. Chem.,

- 1927, 75: 393-405. — **Jensen, H., & Wintersteiner, O.** Studies on crystalline insulin; further observations on the crystallization of insulin and on the nature of the sulfur linkage; the isolation of cystine and tyrosine from hydrolyzed crystalline insulin. *J. Pharm. Exp. Ther.*, 1927-28, 32: 367-85. — **Du Vigneaud, V., Miller, G. L., & Rodden, C. J.** On the question of the presence of methionine in insulin. *J. Biol. Chem.*, 1939, 131: 631-40. — **Du Vigneaud, V., Sifferd, R. H., & Miller, G.** On the absence of thiolhistidine in insulin. *Proc. Soc. Exp. Biol., N. Y.*, 1935-36, 33: 371-3. — **Freudenberg, K.** Ueber Insulin; die Gestalt des Insulinmoleküls. *Zschr. physiol. Chem.*, 1932, 204: 233. — **Wegmann, T.** Ueber Insulin; der Schwefel des Insulins. *Ibid.*, 1935, 233: 159-71. — **Funk, C.** Ueber die Abtrennung von zwei neuen aktiven Substanzen aus dem Insulin. *Deut. med. Wschr.*, 1927, 53: 21. — **Harington, C. R., & Mead, T. H.** Synthesis of peptides containing cystine and glutamine, with remarks on their possible bearing on the structure of insulin and a note on the amid nitrogen of insulin. *Biochem. J., Lond.*, 1936, 30: 1598-611. — **Irvine, J. C., & Montgomery, T. N.** The methylation and constitution of insulin. *J. Am. Dent. Ass.*, 1933, 20: 1988-94. — **Jensen, H.** The isolation of arginine, histidine, and leucine from hydrolyzed crystalline insulin and the acetylation of crystalline insulin. *J. Biol. Chem.*, 1928, 78: p. xli. — **Evans, E. A., jr.** Studies on crystalline insulin; the nature of the free amino groups in insulin and the isolation of phenylalanine and proline from crystalline insulin. *Ibid.*, 1935, 108: 1-9. — **Jensen, H., & Wintersteiner, O.** Studies on crystalline insulin; the isolation of glutamic acid. *Ibid.*, 1932, 97: 93-8. — **Du Vigneaud, V.** Studies on crystalline insulin; the isolation of arginine, histidine, and leucine. *J. Pharm. Exp. Ther.*, 1927-28, 32: 387-96. — **Kassell, B., & Brand, E.** Distribution of sulfur in crystalline insulin. *Proc. Soc. Exp. Biol., N. Y.*, 1936-37, 35: 444. — **Landsberg, M.** Etude clinique de la substance A de l'insuline. *Progr. méd., Par.*, 1927, 42: 242-5. — **Linderström-Lang, K., & Jacobsen, C. F.** The number of peptide bonds in insulin. *Enzymologia, Haag*, 1940, 8: 64-74. — **Miller, G. L.** The sulfur of insulin (1936-38). *Bull. George Washington Univ.*, 1938, 16-20. — **Du Vigneaud, V.** The cystine content of insulin. *J. Biol. Chem.*, 1937, 118: 101-10. — **Nicolet, B. H., & Shinn, L. A.** A determination of the hydroxy-amino-acids of insulin. *J. Am. Chem. Soc.*, 1941, 63: 1486. — **Ruiz, C., Silva, L., & Libenson, L.** Sur l'existence possible d'un groupe 2-thiol-imidazole dans l'insuline. *C. rend. Soc. Biol.*, 1930, 104: 1101. — **Stern, K. G., & White, A.** Studies on the constitution of insulin; properties of reduced insulin preparations. *J. Biol. Chem.*, 1937, 117: 95-110. — **Studies on the constitution of insulin; properties of -SH-insulin and the reaction of -S-S-insulin with ketene.** *Ibid.*, 119: p. xcv. — **Stucky, C. J.** Does commercial insulin contain what has hitherto been called vitamin B? *Arch. Int. M.*, 1928, 42: 780-3. — **Sullivan, M. X., & Hess, W. C.** The cystine content of insulin. *J. Biol. Chem.*, 1937, 119: p. xevi. — **The cystine content of insulin; the acid sensitivity of different samples.** *Ibid.*, 1939, 130: 745-55. — **Smith, E. R.** A comparison of colorimetric and polarographic methods in relation to the cystine content of insulin. *Ibid.*, 741-4. — **White, A., & Stern, K. G.** Studies on the constitution of insulin; further experiments on reduced insulin preparations. *Ibid.*, 1937, 119: 215-22. — **Wintersteiner, O., Du Vigneaud, V., & Jensen, H.** Studies on crystalline insulin; the distribution of nitrogen in crystalline insulin. *J. Pharm. Exp. Ther.*, 1927-28, 32: 397-411. — **Wrinch, D. M.** The structure of the insulin molecule. *Science*, 1938, 88: 148.

crystalline.

See also **Insulin therapy.**

BRUCH, E. *Ueber kristallinisches Insulin; Darstellung und chemische Eigenschaften [München] p.441-51. 8°. Berl., 1933.

Also *Arch. exp. Path., Lpz.*, 1933, 173:

- Abel, J. J.** Some thoughts and experiments in relation to the hormones; the crystallization of insulin. *Proc. Inst. M. Chicago*, 1926, 6: 108-14. — **Geiling, E. M. K.** [et al.] Crystalline insulin. *J. Pharm. Exp. Ther.*, 1927-28, 31: 65-85. — **Barach, J. H.** Crystalline insulin. *Ann. Int. M.*, 1936-37, 10: 1335-44. — **Boulin, R.** L'insuline cristallisée. *Presse méd.*, 1937, 45: 529-31. — **Crowfoot, D.** The crystal structure of insulin; the investigation of air-dried insulin crystals. *Proc. R. Soc., Lond.*, 1938, ser. A, 164: 580-602, pl. — X-ray single crystal photographs of insulin. *Nature, Lond.*, 1935, 135: 591. — **Du Vigneaud, V., Geiling, E. M. K., & Eddy, C. A.** Studies on crystalline insulin; further contributions to the question whether or not crystalline insulin is an adsorption product. *J. Pharm. Exp. Ther.*, 1928, 33: 497-509. — **Grassmann, W.** Kristallisiertes Insulin. *Münch. med. Wschr.*, 1926, 73: 763. — **Hoet, J.** Insuline cristallisée. *Rev. méd. Louvain*, 1929, 312-4. — **Ide, M.** L'insuline cristallisée. *Ibid.*, 1926, 127: 172-4. — **Jensen, H., & De Lawler, A.** Beiträge zur Chemie des Insulins; über kristallisiertes Insulin. *Zschr. physiol. Chem.*, 1930, 190: 262-72. — **Jensen, H., Evans, E. A., jr.** [et al.] Further chemical investigation of crystalline insulin. *J. Biol. Chem.*, 1935, 109: p. xlv. — **Jensen, H., Wintersteiner, O., & Geiling, E. M. K.** Further studies on crystalline insulin. *Abstr. Internat. Physiol. Congr.*, 1929, 13, Congr., 134. — **Studies on crystalline insulin; the isolation of crystalline insulin**

from fish islets (cod and pollack) and from the pig's pancreas; the activity of crystalline insulin and further remarks on its preparation. *J. Pharm. Exp. Ther.*, 1929, 36: 115-28. — **Leulier, A. L.** Notes sur l'insuline cristallisée. *Rev. Serv. san. mil., Par.*, 1936, 105: 389-400. — **Marble, A., & Vartiainen, I.** Crystalline insulin. *J. Am. M. Ass.*, 1939, 113: 1333-9. — **Mathieu, H.** L'insuline cristallisée du Professeur Abel (Baltimore). *Paris méd.*, 1928, 67: 568-70. — **Neumann-Kleinpaul, H. U.** Ueber kristallinisches Insulin; zur Frage der Lösung und Haltbarkeit des kristallinischen Insulins. *Bonn. Arch. exp. Path., Lpz.*, 1938, 189: 102-9. — **Sahyun, M.** Crystalline insulin. *J. M. Ass. Georgia*, 1939, 28: 39-42. — **Process of producing crystalline insulin.** *U. S. Patent Off.*, 1939, No. 2,174,862. — **Crystalline insulin of low zinc content.** *J. Biol. Chem.*, 1941, 138: 437-90. — **Santennoise, D., Brieu, T.** [et al.] Préparation d'insuline cristallisée parfaitement débarrassée de vagotonine. *C. rend. Soc. Biol.*, 1936, 121: 1565-7. — **Scott, D. A.** Observations on insulin crystals. *Tr. R. Soc. Canada*, 1932, 3, ser., 26: 275-82, 3 pl. — **Further studies on crystalline insulin.** *J. Biol. Chem.*, 1931, 92: 281-8. — **Crystalline insulin.** *Biochem. J., Lond.*, 1934, 28: 1592-602, pl. — **Also Endocrinology, 1939, 25: 437-48. — **Insulin preparation and process of producing crystals of insulin.** *U. S. Patent Off.*, 1939, No. 2,143,590. — **Fisher, A. M.** New crystalline compounds of insulin. *Tr. R. Soc. Canada*, 1942, 3, ser., 36: Sect. 5, 45-8, 3 pl. — **Crystalline insulin.** *Biochem. J., Lond.*, 1935, 29: 1048-54. — **Stallmann, B.** Ueber kristallinisches Insulin; zur Methodik der Kristallisation von Insulin. *Arch. exp. Path., Berl.*, 1937, 185: 77-80. — **Wintersteiner, O., & Jensen, H.** Darstellung und Eigenschaften des kristallisierten Insulins. In *Handb. biol. Arbeitsmeth.* (Abderhalden, E.) *Berl.*, 1938, 5: T. 3B, 2. H., 901-27.**

depot.

See also subheading **Derivatives**; also **Insulin therapy.**

TITTLER, I. *Ein Beitrag zur Frage der Dauerwirkung des Insulins. 32p. 8°. Würzb., 1935.

- Albov, N. A.** [New simple method for protracted action of insulin] *Sov. med.*, 1941, 5: No. 13, 33-5. — **Banse.** Verzögerungsinsulin. *Zbl. inn. Med.*, 1939, 60: 88-92. — **Verbesserte deutsche Verzögerungsinsuline.** *Med. Welt*, 1940, 14: 909-11. — **Best, C. H.** The prolongation of insulin action. In *Sympos. Horm. Sigma Xi Ohio*, 1937, 362-77, pl. — **Carrasco-Formiguera, R.** Los preparados de insulina de acción prolongada. *Ciencia, Méx.*, 1940, 1: 296-303. — **Fisher, A. M., & Scott, D. A.** The prolongation of insulin action. *J. Biol. Chem.*, 1937, 119: Proc. p. xxxiii. — **Herzog, A., & Hörnisch, H.** Ein Beitrag zum Problem Depotinsulin. *Med. Klin., Berl.*, 1939, 35: 908-12. — **Horn, Z.** [Insulin preparations of protracted effect] *Gyógyászat*, 1939, 79: 287. — **Also Münch. med. Wschr., 1940, 87: 725-7 (microfilm). — **Kamionsky, N. O.** [On preparations of insulin with protracted action] *Probl. endocr.*, Moskva, 1939, 4: No. 3, 53-78. — **Katsch, G., Scholderer, H., & Klatt, K.** Depotinsulin. *Zschr. klin. Med.*, 1935-36, 129: 608-26. — **Labbe, M., & Boulin, R.** L'insuline-rétard. *Bull. Soc. méd. hôp. Paris*, 1936, 3, ser., 52: 1449-52. — **Also Presse méd., 1937, 45: 97-9. — **Lasersohn, M.** The cumulative action of insulin; the prolonged action of insulin and its practical application. *Virginia M. Month.*, 1929-30, 56: 146-50. — **Leybold, F.** Methodik der Beurteilung eines Depotinsulins (Nativinsulin Bayer). *Wien. klin. Wschr.*, 1941, 54: 246-9. — **Miki, H., Ueda, S., & Ota, T.** Ueber ein protaminfreies Depotinsulin (Gelatin-Zink-Minglin). *Mitt. Med. Akad. Kioto*, 1940, 30: 651. — **Pannhorst, R., & Bartelheimer, H.** Aenderung der Blutzuckerregulation unter Verzögerungsinsulin. *Zschr. klin. Med.*, 1939, 136: 81-95. — **Simpson, V. E.** Insulin preparations with low tissue solubility. *Kentucky M. J.*, 1937, 35: 287-97. — **Sprague, R. G.** Insulin with prolonged action. *Proc. Mayo Clin.*, 1937, 12: 246-50. — **Tirelli, L.** Insulina-deposito. *Minerva med.*, Tor., 1941, 32: pt 1, 306 (Abstr.) (microfilm). — **Umber, F., Störing, F., & Folmer, W.** Successi con un nuovo tipo di insulina depositabile senz'aggiunta di protamina (surfen-insulina) *Riforma med.*, 1938, 54: 632-6.****

Derivatives.

See also subheadings (crystalline; depot; Preparations)

- Barnard, R. D.** Insulin ferrihemochromogen. *J. Lab. Clin. M.*, 1941-42, 27: 774-7. — **Bischoff, F., & Sahyun, M.** Denaturation of insulin protein by concentrated sulfuric acid. *J. Biol. Chem.*, 1929, 81: 167-73. — **Bodnár, J., & Tankó, B.** Insulin and Phosphorylierung. *Biochem. Zschr.*, 1931, 229: 314-7. — **Charles, A. F., & Scott, D. A.** Action of acid alcohol on insulin. *J. Biol. Chem.*, 1931, 92: 289-302. — **Feinblatt, H. M., Ferguson, E. A., & Alpert, B.** Hexamine insulin, juvenile type of diabetes treated with hexamethylene tetramine insulin compound giving rapid and sustained action. *Endocrinology*, 1940, 26: 437-43. — **Harington, C. R., & Neuberger, A.** Electrometric titration of insulin; preparation and properties of iodinated insulin. *Biochem. J., Lond.*, 1936, 30: 809-20. — **Jensen, H., & Evans, E. A., jr.** Ueber kristallisiertes Insulin; die Einwirkung von Säure und Alkali auf Insulin. *Zschr. physiol. Chem.*, 1932, 199: 134-44. — **Jensen, H., Evans, E. A., jr.** [et al.] The action of various reagents on insulin. *J. Biol.*

Chem., 1936, 114: 199-208.—Jensen, H., Schock, E., & Sollers, E. Studies on crystalline insulin; the action of ammonium hydroxide and of iodine on insulin. *Ibid.*, 1932, 98: 93.—Jensen, H., & Wintersteiner, O. Studies on crystalline insulin; the hydrolysis products of insulin. *Ibid.*, 281.—Loeper, M., Ravier & Tonnet. L'action hypoglycémisante combinée du bore et de l'insuline. *Bull. Soc. méd. hôp. Paris*, 1929, 3, ser., 53: 57.—Netter, R., & Roche, S. L'action de l'acide chlorhydrique sur l'insuline. *Cent. Acad. sc.*, 1937, 205: 934.—Reiner, L., & Lang, E. H. Insulin azo derivatives. *J. Biol. Chem.*, 1941, 139: 641-8.—Roberts, R. G. Some reactions of ammonolyzed insulin. *Ibid.*, 1939, 128: 597-602.

Derivatives, acetylated.

Charles, A. F., & Scott, D. A. Acetylation of crystalline insulin. *Tr. R. Soc. Canada, Biol. Sc.*, 1931, 3, ser., 25: Sect. 5, 187-91.—Freudenberg, K., & Dirscherl, W. Die Acetylierung des Insulins. *Zschr. physiol. Chem.*, 1928, 175: 1-17.—Stern, K. G., & White, A. Studies on the constitution of insulin, the acetylation of insulin by ketene. *J. Biol. Chem.*, 1937-38, 122: 371-9.—Teitel-Bernard, A., & Parhon, C. Action de l'insuline acétylée sur le volume de la rate et la pression artérielle du chien. *C. rend. Soc. biol.*, 1931, 106: 673-6.

Derivatives: Aninsulin.

Barral, P. L'aninsuline. *C. rend. Soc. biol.*, 1935, 120: 993-5.—Réaction de déviation du complément à l'aninsuline. *Ibid.*, 995-8.—L'aninsuline; la réaction de déviation du complément à l'aninsuline et son application à l'étude du sérum des sujets cancéreux et non cancéreux. *Lyon méd.*, 1936, 157: 149-61.—Pecastaing [et al.] Traitement par l'aninsuline de chevaux atteints de lymphangite aiguë avec abcès. *Rec. méd. vét.*, 1939, 115: 332-6.

Derivatives: Globin insulin.

Andrews, G. B., Groat, W. T. [et al.] Globin insulin; a clinical study. *N. York State J. M.*, 1940, 40: 913-7.—Bauman, L. Clinical experience with globin insulin. *Proc. Soc. Exp. Biol.*, N. Y., 1939, 40: 170. Also *Am. J. M. Sc.*, 1939, 198: 475-81.—Further experience with globin insulin. *Ibid.*, 1940, 200: 299-303.—Globin insulin. *Bull. New England M. Center*, 1943, 5: 17-21.—Globin insulin. *Med. J. Australia*, 1940, 1: 385.—Levitt, A., & Schaus, J. P. Clinical experience with globin insulin. *Med. Times, N. Y.*, 1942, 70: 187-9.—Marks, H. E. A new globin insulin; the importance of carbohydrate distribution in the control of diabetes with the modified insulins. *Med. Clin. N. America*, 1940, 24: 649-70.—Reiner, L., Searle, D. S., & Lang, E. H. Insulin preparations with prolonged activity; globin insulin. *Proc. Soc. Exp. Biol.*, N. Y., 1939, 40: 171.—On the hypoglycemic activity of globin insulin. *J. Pharm. Exp. Ther.*, 1939, 67: 330-40.

Derivatives: Histone insulin.

Barnes, C. A., Cattle, T. D., & Duncan, G. G. Histone zinc insulin; its pharmacologic characteristics and its application in the treatment of diabetes mellitus. *J. Pharm. Exp. Ther.*, 1941, 72: 331-43.—Biasotti, A., Deulofeu, V., & Mendive, J. R. Acción de la insulina-histona sobre la glucemia; su empleo en el tratamiento de la diabetes humana. *Prensa méd. argent.*, 1937, 24: 1122-9.—Boulin, R., & Bonnet. L'insuline histone. *Médecine, Par.*, 1939, 20: 537-41.—Gray, P. A., & Sansum, W. D. Treatment of diabetes mellitus with insoluble insulin compounds; histone-insulin. *Ann. Int. M.*, 1937, 11: 274-84.—& Bischoff, F. Insulina histona. *Prensa méd. argent.*, 1939, 26: pt 1, 673-81.—Klinkovstein, I. M. Klinische Erfahrungen mit Histon-Zink Insulin, einem neuen Depotinsulin. *Acta med. URSS*, 1939, 2: 632-7. Also *Klin. med., Moskva*, 1939, 17: No. 2-3, 53-63.

Derivatives: Lipid insulins.

PESKIND, S. The absorption of insulin from the alimentary tract in the presence of protein-phospholipin compounds. 19p. 12°. Clevel., 1931.

Contini, M. Sui vantaggi dell'insulina associata alla lecitina nella cura del diabete mellito. *Arch. stud. fisiopat. ricambio*, 1934, 2: 1-17.—Gerlőczy, G. [Effect of lecithin and insulin in normal and pathological increase of blood sugar] *Orv. hetil.*, 1930, 74: 1012-4.—Maly, G. Ein Lipoidpräparat als wertvolle Unterstützung der Insulinbehandlung. *Med. Klin., Berl.*, 1928, 24: 705-7.—Pavan, G., & Moro, C. Influenza della lecitina e della luteina sull'azione ipoglicemizzante dell'insulina. *Riv. clin. pediat.*, 1938, 36: 994-1029.—Scuderi, G., & Sinimberghi, G. Azione filattica della lecitina e colestestina sulla insulina. *Arch. ital. sc. farm.*, 1935, 4: 474-9.—Skouge, E. Der Verlauf der Blutzuckerkurve nach Insulin-Lezithin-injektion. *Acta med. scand.*, 1932, 79: Suppl. 50, 232-7.—& Schrumph, A. Der Einfluss des Lecithins auf die Insulinwirkung. *Zschr. klin. Med.*, 1932, 120: 754-67.—Surányi, L., & Szalai, F. Potenzierte Insulinwirkung durch Lipide. *Klin. Wschr.*, 1930, 9: 2159.

Derivatives: Metal insulinate.

See also names of other derivatives (protamine zinc; zinc)

Bertrand, G., & Macheboeuf. Influence du nickel et du cobalt sur l'action exercée par l'insuline, chez le lapin. *C. rend. Acad. sc.*, 1926, 182: 1504-7.—Influence du nickel et du cobalt sur l'action exercée par l'insuline chez le chien. *Ibid.*, 183: 5-8.—Choay, A., & Netter, R. Documents photographiques sur l'insuline cristallisée; insulinate de zinc, de nickel et de cobalt. *Presse méd.*, 1939, 47: 667.—Ghosh, S. A case of severe diabetes treated by peroral administration of insulin-phospho-ungstate. *Calcutta M. J.*, 1934, 29: 170-3.—Labbe, M., Roubeau, H., & Nepveu, F. Action des sels de nickel et de cobalt sur le pouvoir hypoglycémiant de l'insuline chez le diabétique. *C. rend. Acad. sc.*, 1928, 186: 181-3.—Lawrence, R. D. Insulin phosphotungstate by mouth. *Lancet, Lond.*, 1931, 1: 184.—Sahyun, M., Nixon, A., & Goodell, M. Influence of certain metals on the stability of insulin. *J. Pharm. Exp. Ther.*, 1939, 65: 143-9.

Derivatives: Pectin insulin.

Brahn, B. B. A. Insulin and pectin solution for injection purposes. U. S. Patent Off., 1942, No. 2,294,016.—& Langner, T. [Decurvin, a pectin-insulin with protracted action] *Ned. tschr. geneesk.*, 1939, 83: 4621-31.—Wuhrmann, F. Klinische Erfahrungen mit einem Dauer-Insulin ohne Eiweiss-Zusatz, Decurvin, ein Pektin-Insulin. *Schweiz. med. Wschr.*, 1939, 69: 1275-9.

Derivatives, precipitated.

Chiancone, F. M. Azione dell'insulina trattata con precipitanti diversi. *Biochim. ter. sper.*, 1937, 24: 349-54.—Du Vigneaud, V., Sifferd, R. H., & Sealock, R. R. The heat precipitation of insulin. *J. Biol. Chem.*, 1933, 102: 521-33.—Jacobs, H. R., & Ricketts, H. T. Retarded and prolonged action of insulin precipitated by safranin. *Proc. Soc. Exp. Biol.*, N. Y., 1936-37, 35: 473-7.—Lang, E. H., Buck, J. S., & Reiner, L. Precipitation of insulin by organic bases. *Q. J. Pharm.*, Lond., 1942, 15: 176 (Abstr.).—Lara, N. Precipitación de la insulina en solución acuosa por el ácido clorhídrico. *Fol. biol. B. Air.*, 1933, 141. Also *Rev. Inst. bact. Dep. nac. hig.*, B. Air., 1934, 6: 130.—Martini, E. On the action of precipitated insulin administered by mouth. *J. Physiol., Lond.*, 1931, 72: 199-200.—Nitzescu, I. I., & Scareanu, S. Nouvelle méthode de précipitation de l'insuline; procédé rapide pour contrôler in vitro le degré de purification des insulines commerciales. *Bull. Soc. chim. biol., Par.*, 1935, 17: 118-27.—Ornstein, F., & Mera, R. Ueber Fällungen im Insulin mit normalem Serum. *Wien. klin. Wschr.*, 1926, 39: 840-2.—Rosenthal, L., & Kamlet, J. Studies on alum-precipitated insulin. *Proc. Soc. Exp. Biol.*, N. Y., 1937-38, 36: 474-6.—& Fialka, S. M. A clinical study of alum-precipitated insulin. *Am. J. M. Sc.*, 1939, 198: 98-104.

Derivatives: Protamine insulin.

See also Insulin therapy.

BECKER, W. *Protamine insulin. 12p. 4°. Milwaukee, 1937.

SCHWARTZ, F. R. *L'insuline protamine. 28p. 22½cm. Genève, 1937.

Black, D. R. Protamine insulin. *J. Missouri M. Ass.*, 1936, 33: 212-5.—Caccuri, S. Insulina-protamina. *Attualità med.*, 1937, 2: 113-20.—Conlin, F. Protamine insulinate. *Nebraska M. J.*, 1936, 21: 165-7.—Frank, E. [Investigations on protamin-insulin] *Bull. Soc. turque méd.*, 1938, 82: 398-404.—Glascock, H., jr. Protamine insulin. *South. M. J.*, 1936, 98: 531.—Goehl, R. O. A discussion of protamine insulin. *J. Lancet*, 1937, 57: 435-7.—Hagedorn, H. C. Protamine insulinate. *Proc. R. Soc. M., Lond.*, 1936-37, 30: 805-14. Also *Pharm. J., Lond.*, 1937, 84: 77.—Jensen, B. N. [et al.] Protamine insulinate. *Acta med. scand.*, 1936, Suppl. 78, 678-84. Also *J. Am. M. Ass.*, 1936, 106: 177-80. Also *Siglo méd.*, 1936, 97: 245.—Jong, J. J. de [Protamine-insulinate] *Ned. tschr. geneesk.*, 1936, 80: 4293-301; 1937, 81: 2015-7.—Joslin, E. P. Protamine insulin. *J. Am. M. Ass.*, 1937, 109: 497-503.—Root, H. F. [et al.] Protamine insulin. *Tr. Ass. Am. Physicians*, 1936, 51: 174-87. Also *N. England J. M.*, 1936, 214: 1079-85.—Joslin, E. P., & White, P. Protamine insulin. *Proc. Interst. Postgrad. M. Ass. N. America*, 1936, 346-52.—Kerr, R. B., & Best, C. H. The effects of protamine insulin and related compounds in normal and depancreatized dogs. *Am. J. M. Sc.*, 1937, 194: 149-59.—Kerr, R. B., Best, C. H. [et al.] Protamine insulin. *Canad. Pub. Health J.*, 1936, 27: 157-9. Also *Canad. M. Ass. J.*, 1936, 34: 400.—Lami, P. L'insulinato di protamina. *Boll. chim. farm.*, 1937, 76: 89-91.—Leyton, O. Protamine insulinate. *Brit. M. J.*, 1936, 1: 443.—Marble, A. Protamine insulin. *J. Connecticut M. Soc.*, 1936-37, 1: 149-53.—Margolis, H. M. Protamine insulin. *Pittsburgh M. Bull.*, 1936, 25: 768-73.—Meyler, L., & Maar, A. de. [Protamine-insuline] *Ned. tschr. geneesk.*, 1937, 81: 4045-55. Also *Acta med. scand.*, 1938, 94: 414-28.—Moore, M. B. Protamine insulin. *Am. J. Nurs.*, 1937, 37: 257-61.—Oakley, W. Protamine insulins in diabetes mellitus, chemical composition and physiological action. In *Brit. Encycl. M. Pract.* (Rolleston, H.) 1939, Surveys, 68.—Patel, R. P., & Rönmark

B. The action of protamine insulin in rabbits in relation to its standardisation. *Q. J. Pharm., Lond.*, 1936, 9: 679-83.—**Poulsen, L.** [On the slow action of insulin-protamine-insulin] *Norsk. mag. laegevid.*, 1936, 97: [Forh. Norsk. med. selsk.] 161-74.—**Root, H. F.** Protamine insulin. In *Pract. Libr. M. & S.* (Appleton) N. Y., 1938, Suppl., 531-4.—**Scott, D. A., & Fisher, A. M.** Studies on insulin with protamine. *J. Pharm. Exp. Ther.*, 1936, 58: 78-92.—**Scott, J. R.** Insulin and protamine insulin. *Med. Today*, 1938, 1: 93.—**Vesa, A.** Versuche mit Protamine insulin oder Insulin Leo Retard. *Acta med. scand.*, 1937, 92: 61-104. Also *Duodecim*, *Helsin.*, 1937, 53: 177-94.—**Williams, J. R.** Notes on the nature and uses of protamines in the treatment of diabetes; experimental study of the effect of protamine insulin on the estrous cycle of white rats. *J. Lab. Clin. M.*, 1937-38, 23: 1237-40.

Derivatives: Protamine zinc insulin.

AUDUINO, L. *Protamine zinc insulin [Milwaukee] 22 l. 28cm. Milwaukee, 1939.

VINOGRAD, E. H. *Protamine zinc insulin. 20p. 4°. Wauwatosa, 1938.

Aitken, R. S. Duration of action of zinc protamine insulin. *Lancet*, *Lond.*, 1938, 2: 768-70.—**Battistini, S.** El zinc-insulinato de protamina. *Rev. sudamer. endocr.*, B. Air., 1940, 23: 380-5.—**Becker-Freyseng, H., & Veiel, K.** Die Vorteile eines Insulins mit Depotwirkung, vergleichend-therapeutisch geprüft am Zink-Protamin-Insulin. *Med. Welt*, 1938, 12: 1354-9.—**Boller, R., & Pilgerstorfer, W.** Blutzuckerstudien über Protamin-Zink-Insulin. *Zschr. klin. Med.*, 1938, 134: 300-20.—**Damplo, D. M.** Zinc protamine insulin. *Tr. Med. Chir. Soc. Edinburgh*, 1937-38, 117. Sess., 194-212.—**Duration of action of zinc protamine insulin.** *Med. J. Australia*, 1938, 2: 1003.—**Falta, W.** Ueber Protamin-Zink-Insulin. *Klin. Wschr.*, 1937, 16: 1633-9. Also *Wien. Arch. inn. Med.*, 1938, 32: Mitt. Ges. inn. Med., H. 5, 9-18.—**Freidovich, A. L.** [On the action of, triprotamin-zinc-insulin] *Probl. endokr.*, Moskva, 1939, 4: No. 4, 32.—**Gariepy, L. H.** L'insuline et l'insuline-protamine-zinc. *Union méd. Canada*, 1939, 68: 286-91.—**Gotten, H. B.** Protamine zinc insulin. *Mississippi Doctor*, 1937-38, 15: No. 5, 16-9.—**Greenhouse, B.** Protamine zinc insulin. *J. Connecticut M. Soc.*, 1936-37, 1: 247-52.—**Crystalline zinc insulin with protamine, a preliminary note on a newer insulin modification.** *Connecticut M. J.*, 1940, 4: 78-82.—**Hazard, R., Cheymol, J., & Henry, R.** Etalonnage de l'insuline-zinc-protamine. *Bull. Acad. méd., Par.*, 1939, 3. ser., 122: 163-72.—**Hédou, L.** L'insuline-protamine-zinc. *Montpellier méd.*, 1939, 3. ser., 15: 249-59.—**Loubatier, A.** Troubles nerveux irréversibles observés chez le chien dépancraté traité par l'insuline-protamine-zinc; renforcement des crises convulsives par les injections intraveineuses de glucose, malgré l'origine hypoglycémique de ces troubles. *Ann. physiol. Par.*, 1939, 15: 842-6.—**Heymann, G.** Essais de traitement prolongé du chien dépancraté par l'insuline-protamine-zinc. *C. rend. Soc. biol.*, 1939, 130: 997-9.—**Horn, Z.** [Zinc-protamin-insulin with protracted action] *Orv. hetül.*, 1938, 82: 289-92.—**Joslin, E. P.** Protamine zinc insulin. *Pub. Health Nurs.*, 1942, 34: 196-9.—**Root, H. F.** [et al.] Protamine zinc insulin. *Med. Clin. N. America*, 1938, 22: 711-35.—**Kern, R. A., & Langner, P. H., jr.** Protamine and allergy, nature of the local reactions after injections of protamine zinc insulin, induction of sensitivity to insulin by injections of protamine zinc insulin. *J. Am. M. Ass.*, 1939, 113: 198-200.—**Kestermann, E.** Ueber Zink-Protamin-Insulin. *Verh. Deut. Ges. inn. Med.*, 1938, 50. Kongr., 292-4.—**Lowrie, W. L., jr., & Foster, D. P.** Hypoglycemic reactions from protamine zinc insulin. *Am. J. Digest. Dis.*, 1940, 7: 101-6.—**Luntz, G. R. W. N.** Zinc protamine insulin. *Guy's Hosp. Gaz.*, *Lond.*, 1942, 56: 120-3; 127-30.—**MacBryde, C. M., & Roberts, H. K.** Three to one modified protamine zinc insulin, an improvement on market protamine zinc insulin. *Proc. Centr. Soc. Clin. Res.*, 1942, 15: 7.—**Mark, J., & Biskind, G. R.** The increased duration of insulin action by the use of protamine zinc insulin in pellet form. *Endocrinology*, 1940, 26: 444-8.—**Migone, L.** L'insulina zincoprotaminica. *Gior. clin. med.*, 1939, 20: 385-405.—**Mosenthal, H. O.** Protamine zinc insulin. *J. Am. M. Ass.*, 1938, 110: 87-90.—**Oeller, H.** Diskussionsvortrag. *Verh. Deut. Ges. inn. Med.*, 1938, 50. Kongr., 295-9.—**Pollack, H.** The technique of handling protamine zinc insulin. *J. Mount Sinai Hosp. N. York*, 1939-40, 6: 342-5.—**Protamine zinc insulin.** *J. Am. M. Ass.*, 1937, 108: 640. Also *Lancet*, *Lond.*, 1937, 1: 577.—**Reinwein, H.** Protamin-Zink-Insulin. *Erg. phys. diät. Ther.*, 1939, 1: 341-97.—**Ricketts, H. T.** The constance of action of protamine zinc insulin. *Am. J. M. Sc.*, 1941, 201: 51-9.—**Sahyun, M.** The prolonged action of acidified solution of protamine zinc insulin. *Am. J. Physiol.*, 1940, 130: 521-6.—**Szyfman, L., & Lebowicz, I.** [Effect of protamine-zinc-insulin] *Warsz. czas. lek.*, 1938, 15: 327-9.—**Taubenhaus, M.** Ueber Protaminzinkinsulin. *Wien. Arch. inn. Med.*, 1938, 32: Mitt. Ges. inn. Med., H. 5, 1-3.—**Tolstoi, E.** Protamine zinc insulin: hypoglycemic reaction. *N. York State J. M.*, 1937, 37: 1279-82.—**Trenholme, J. I.** Protamine zinc insulin. *Canad. Nurse*, 1937, 33: 488-90.—**Warvel, J. H., & Shafer, M. R.** Protamine zinc insulin. *J. Indiana M. Ass.*, 1938, 31: 4-9. Also *Physician's Bull.*, 1938, 3: No. 2, 9, No. 3, 11.—**Weiler, E. S., Rubulotta, V., & Usenki, A.** Protamine-zinc-insulina. *Acción méd., B. Air.*, 1940, 10: 360.

Derivatives, tannate.

Bischoff, F. Some physical and physiologic properties of the system insulin-tannic acid. *Am. J. Physiol.*, 1936, 116: 239-44.—**Chiandone, F. M.** L'azione ipoglicemica dell'associazione acido tannico-insulina. *Boll. Soc. ital. biol. sper.*, 1937, 12: 323.—**Jenkinson, C. N., & Milne, K. J. G.** Insulin-tannic acid-zinc suspension in treatment of diabetes mellitus. *Brit. M. J.*, 1938, 1: 380-2.—**Lun, F.** Sur l'insuline-tannate. *C. rend. Soc. biol.*, 1937, 125: 1088-90.—**Mattioli, M.** L'insulina in sospensione con acido tannico e zinco nella cura del diabete. *Riforma med.*, 1938, 54: 429.

Derivatives: Zinc insulin.

See also subheadings (crystalline; Derivatives: Metal insulins; Derivatives: Protamine zinc insulin)

CHASSAGNETTE, F. C. E. *Le précipité insuline-zinc. 134p. 25cm. Bord., 1938.

Altshuler, S. S., & Leiser, R. The effect of zinc content upon the action of insulins. *Am. J. M. Sc.*, 1938, 195: 234-9.—**Aubertin, E., Servantie, L., & Chassagnette, C.** Action hypoglycémiant, chez l'animal normal, de l'insuline entrainée par un précipité d'hydrate de zinc. *C. rend. Soc. biol.*, 1939, 130: 484-9.—**Biasotti, A., & Patalano, A.** Acción de las sales de zinc sobre los efectos de los nuevos compuestos de insulina. In *Libro de oro M. R. Castex, B. Air.*, 1940, 1: 965-71.—**Clausen, J., Clausen, V., & Hansen, L.** Studies on the effect of zinc insulin. *Acta med. scand.*, 1937, 93: 150-67.—**Cohn, E. J., Ferry, J. D.** [et al.] Studies in the physical chemistry of insulin; crystallization of radioactive zinc insulin containing 2 or more zinc atoms. *J. Am. Chem. Soc.*, 1941, 63: 17-22.—**Friedlander, R. D., & Sheppard, H. C.** Zinc insulin crystals (crystalline insulin) *California West. M.*, 1939, 50: 252.—**Hechter, O., Levine, R., & Soskin, S.** Possible physiologic significance of the zinc content of insulin. *Proc. Soc. Exp. Biol.*, N. Y., 1940, 43: 361-3.—**Hulst, L. A., & Vogelenzang, E. H.** [Effect of zinc on the action of insulin] *Ned. tscr. geneesk.*, 1937, 81: 1916-22.—**Jackson, R. L., Boyd, J. D., & Smith, T.** Interchangeability of zinc crystalline insulin and amorphous insulin. *Am. J. Dis. Child.*, 1940, 59: 1050-3.—**Kanter, M. P.** Crystalline zinc insulin. *Proc. Postcolleg. Clin. Assemb. Coll. M. Ohio Univ.*, 1939, 6: 316-8.—**Levin, C. M., Kleefteld, A. E., & Luciano, F. A.** Experience with zinc insulin crystals. *J. Lab. Clin. M.*, 1938-39, 24: 1030-7.—**Lowe, R. C., Holland, L. F., & Weilbaecher, J. O., jr.** The use of crystalline zinc insulin in the treatment of diabetes mellitus. *South. M. J.*, 1939, 32: 1054-8.—**Sahyun, M.** Effect of zinc on insulin and its mechanism. *Am. J. Physiol.*, 1939, 125: 24-30.—**Scott, D. A., & Fisher, A. M.** Bison zinc-insulin crystals and human zinc-insulin crystals. *Tr. R. Soc. Canada*, 1940, 34: sect. 5, 137-40, pl.—**The effect of zinc salts on the action of insulin.** *J. Pharm. Exp. Ther.*, 1935, 55: 206-21.—**Vogelenzang, E. H., & Hulst, L. A.** Die Bedeutung des Zinkgehaltes von Handelsinsulin. *Acta med. scand.*, 1938, 97: 307-10.—**Zinc insulin crystals and crystalline zinc insulin injection.** *J. Am. M. Ass.*, 1943, 121: 592.

Deterioration, preservation and stability.

See also subheading Inactivation.

Choay, A. Sur la conservation de l'insuline. *C. rend. Soc. biol.*, 1926, 94: 178-80.—**Rennes, S.** Sur la conservation de l'insuline. *Ibid.*, 1932, 109: 1269.—**De Blasi, R., & Gueli, U.** Sulla durata di conservazione dell'insulina, in soluzione e in sostanza, e sulle modificazioni indotte in essa dal tempo. *Arch. farm. sper.*, 1939, 68: 123-33.—**Escudero, P.** El envejecimiento de la insulina y sus peligros en el tratamiento de la diabetes. *Sem. méd., B. Air.*, 1929, 36: pt 2, 1749-53. Also *Tr. Clin. Escudero, B. Air.*, 1930, 4: 18-29.—**Galvialo, M., & Schmidt, A. A.** [Effect of high temperatures on the activity of insulin] *Vrach. gaz.*, 1930, 34: 361-3.—**Harris, M. M., Ringer, A. L., & Lasker, M.** The effect of streptococcus culture and of diphtheria toxin on the potency of insulin. *Arch. Path., Chic.*, 1927, 4: 546-51.—**Jephcott, C. M.** Extraction of insulin and stability of various preparations. *Tr. R. Soc. Canada*, 1931, 3. ser., 25: Sect. 5, *Biol. Sci.*, 183-6.—**Krogh, A., & Hemmingsen, A. M.** The destructive action of heat on insulin solutions. *Biochem. J.*, *Lond.*, 1928, 22: 1231-8.—**Lacroze, A.** Sobre el envejecimiento de la insulina y sus peligros en el tratamiento de la diabetes, a propósito de una conferencia del Prof. Pedro Escudero. *Sem. méd., B. Air.*, 1930, 37: pt 1, 308-10.—**Naumova, N. A.** [Investigation of the stability of insulin in solutions] *Probl. endokr.*, Moskva, 1940, 5: No. 3, 99-102.—**Sahyun, M., & Beard, P.** The effect of bacteria on insulin. *J. Lab. Clin. M.*, 1934, 20: 160-4.—**Sahyun, M., Goddell, M., & Nixon, A.** Factors influencing the stability of insulin. *J. Biol. Chem.*, 1937, 117: 685-91.—**Schmidt, A. A., & Tuljehinskaia, K.** Die Widerstandsfähigkeit des Insulins gegenüber einigen Bakterien. *Biochem. Zschr.*, 1931, 231: 352-64.—**Trocello, E.** L'azione distruttiva del calore sulle soluzioni acquose d'insulina. *Rass. clin. ter.*, 1928, 27: 504.—**Cruto, A.** Sulla influenza esercitata dalle alte temperature sulla conservazione dell'insulina. *Ibid.*, 1924, 23: 229-33.—**Further researches on the preservation of insulin.** *J. Trop. M. Hyg., Lond.*, 1926, 29: 1-3. Also *Rass. clin. ter.*, 1926, 25: 61-4.

— Determination.

See Insulin, Assay.

— Economic aspect.

See under Insulin, Manufacture.

— Electrical properties.

Hall, J. L. Moving boundary electrophoretic study of insulin. *J. Biol. Chem.*, 1941, **139**: 175-84. — Moving boundary electrophoretic study of insulin, a correction. *Ibid.*, 140: 671. — Wintersteiner, O., & Abramson, H. A. The isoelectric point of insulin, electrical properties of adsorbed and crystalline insulin. *Ibid.*, 1933, **99**: 741-53.

— Enzymic relation.

See also subheading Inactivation.

Banner, R. E., Dereniuk, S. N., & Thomas, L. E. Action of certain enzymes, fish pancreatic islets and fetal calf pancreas on insulin. *Endocrinology*, 1942, **31**: 271-5. — Bettolo, A. Ricerche sopra l'azione dell'insulina sul potere amilasic salivare nei sani e nei diabetici. *Rass. ter. pat. clin.*, 1932, **4**: 159-71. — Blotner, H. The effect of gastric juice, bile, trypsin and pancreatin on insulin: the prevention of the digestion of insulin with alcohol. *Am. J. M. Sc.*, 1936, **192**: 263-72. — Charles, A. F., & Scott, D. A. Action of proteolytic enzymes on crystalline insulin. *Tr. R. Soc. Canada*, 1930, **3**, ser. 24: Sect. Biol., 95-9. — Corneli, W. Ueber die Einwirkung proteolytischer Fermente auf das Insulin. *Zschr. physiol. Chem.*, 1931, **199**: 217-20. — Dirscherl, W. Ueber Insulin, die Wirkung von Pepsin auf Insulin und seine Acetyl derivative. *Ibid.*, 1929, **180**: 217-31. — Fisher, A. M., & Scott, D. A. Peptic hydrolysis of insulin. *J. Biol. Chem.*, 1934, **106**: 289-303. — Forrai, E. Insulin und Fruktosediphosphorsäure. *Biochem. Zschr.*, 1927, **189**: 150-4. — Untersuchungen über menschliche Fruktosediphosphatase. *Ibid.*, 155-8. — Freudenberg, K., & Dirscherl, W. Insulin und Co-Zymase. *Zschr. physiol. Chem.*, 1926, **157**: 64-75. — Freudenberg, K., Dirscherl, W. [et al.] Ueber Insulin, die Einwirkung proteolytischer Fermente auf Insulin; Vergleich von Hydrolyse und Zerstörung der Wirksamkeit. *Ibid.*, 1931, **202**: 159-91. — Freudenberg, K., Weiss, E., & Eichel, H. Ueber Insulin; die Wirkung proteolytischer Fermente auf Insulin und seine Derivate. *Ibid.*, 1932, **213**: 248-62. — Gayda, T. Influence de l'insuline sur le pouvoir amylolytique de la salive et du sang. *Arch. ital. biol.*, 1929-30, **81**: 15-9. — Glaser, E., & Halpern, G. Ueber die Zusammensetzung des Insulins und seine Beziehungen zu Fermenten und Aktivatoren. *Wien. med. Wschr.*, 1929, **79**: 363-6. — Harteneck, A., & Schuler, W. Die Einwirkung von Pepsin und Trypsin-Kinase auf Insulin. *Zschr. physiol. Chem.*, 1927, **172**: 289-99. — Horwitt, M. K. Trypsin and insulin action. *Am. J. Physiol.*, 1940, **129**: 385. — Lasch, F., & Brügel, S. Ueber die Schutzwirkung des Saponins bei Insulin gegen Fermente. *Biochem. Zschr.*, 1927, **181**: 109-16. — Lasch, F., & Schönbrenner, E. Ueber die Erhaltung der Insulinwirkung in Verdauungssäften durch Beigabe organischer Farbstoffe. *Klin. Wschr.*, 1938, **17**: 114-6. — Necheles, H. Studies on auto-digestion, antitrypsin and insulin. *Chin. J. Physiol.*, 1928, **2**: 229. — Sammartino, U. Ulteriore contributo all'azione dell'insulina sui fermenti. *Arch. farm. sper.*, 1926, **42**: 17-27. — Sanguigno, N. Le diastasi ematiche, urinarie e fecali nel diabete mellito e il loro comportamento nella cura insulinica. *Riv. med.*, 1935, **12**: 368-71. — Schmidt, A. A. Proteolytische Fermente der Gewebe als Inaktivatoren des Insulins. *Zschr. ges. exp. Med.*, 1930, **70**: 27-39. — & Tuljchinskaja, K. Ueber die Wirkung der Verdauungssäfte auf die Aktivität des Insulins. *Ibid.*, 1931, **77**: 58-66. — Sotgiu, G., & D'Ignazio, C. Il potere amilolitico del sangue, delle urine e delle feci nel diabete mellito e sotto cura insulinica. *Arch. stud. fisiopat. ricambio*, 1934, **2**: 45-80. — Swider, Z., & Walawski, J. [Research on trypsin and insulin antagonism] *Med. dōsw.*, 1931, **13**: 1-24. — Török, G. Insulin und Blutkatalase. *Wien. klin. Wschr.*, 1926, **39**: 625-7. — Tudimura, H. Blutlipase und Insulin. *Arch. ges. Physiol.*, 1934, **234**: 250-4. — Weiss, S., & Pogány, J. On the effect of the digestion-ferments on insulin. *Magy. orv. arch.*, 1926, **27**: 482-90. Also *Zschr. ges. exp. Med.*, 1926, **50**: 786-94. — Wittner, L. L. El efecto reductor de las oxidasas vegetales sobre la glucosa de la sangre y la comprobación de oxidasas en la insulina. *Prensa méd. argent.*, 1941, **28**: pt 2, 1673-7.

— extrapancreatic.

See also subheading Secretion.

Best, C. H., Jephcott, C. M., & Scott, D. A. Insulin in tissues other than the pancreas. *Am. J. Physiol.*, 1932, **100**: 285-94. — Boivin, A. L'insuline existe-t-elle en quantité appréciable dans les tissus autres que le pancréas? In *Hommage m. m. J. Cantacuzène*, Par., 1934, 23-33. — Brugsch, H. Insulin in menschlichen Organen. *Zschr. ges. exp. Med.*, 1929, **65**: 574-93. — Cramer, W., Dickens, F., & Dodds, E. C. Insulin in normal and cancerous tissues. *Brit. J. Exp. Path.*, 1926-27, **7**: 299-301. — Lundsgaard, C., Holboell, S. A., Gottschalk, A. Studies in carbohydrate metabolism, investigations into the occurrence of insulin complement in the muscles of warm blooded and cold blooded animals. *J. Biol. Chem.*, 1926, **70**: 79-82. — Redenbaugh, H. E., Ivy, A. C., & Koppányi,

T. The presence of insulin in chicken tissues. *Proc. Soc. Exp. Biol.*, N. Y., 1925-26, **23**: 756. — Tuttle, G. H. The presence of a distinct insulin in depancreatized dogs after pancreatectomy. *N. England J. M.*, 1932, **206**: 8-11. — Studies in diabetes, the metabolism of a single depancreatized dog showing the action of cellular (or tissue) insulin. *Med. Times*, N. Y., 1935, **63**: 1-3.

— Eye effect.

Bistis, J. De l'action de l'insuline sur la tension oculaire. *Arch. opht.*, Par., 1932, **49**: 375-8. — Braun, R. Insulin and the eye. *Arch. Ophth.*, Chic., 1937, **18**: 859. — Calmettes, L., Bergès, R., & Déodati, F. Insuline et tonus du globe oculaire. *Progr. méd.*, Par., 1938, **821**. — Castresana, B., Castresana, A., & Guinea, Y. La insulina en el aparato de la visión. *Siglo mcd.*, 1931, **87**: 89-94. — Cavaniglia, A. Azione dell'insulina sul forame pupillare di Rana esculenta. *Rass. internaz. clin. ter.*, 1930, **11**: 18-25. — Gralnick, A. The retina and ocular tension during prolonged insulin coma, with autopsy eye findings. *Psychiat. Q.*, 1941, **15**: 648-61, 6 pl. — Jorns, G. Ueber Insulinwirkung auf die atropinisierte Pupille. *Zschr. ges. exp. Med.*, 1927, **54**: 179-87. — Richter, A. Insulin und Augendruck. *Klin. Mbl. Augenh.*, 1926, **76**: 835-40. — Vestergaard, J. D. E. Insulin and ocular tension; observations on normal individuals, diabetics and glaucoma patients (preliminary report) *Acta ophth.*, Kbh., 1929, **7**: 273-300.

— Filtration.

See under subheading Manufacture.

— Gastrointestinal effect.

Becker, K. P., & Geis, E. Quantitative Bestimmungen der Insulinwirkung auf die Teilfunktionen des gesunden menschlichen Magens. *Deut. Arch. klin. Med.*, 1933-34, **176**: 154-62. — Cascão de Aneães, J. H. Insuline et fonctions gastriques. *C. rend. Soc. biol.*, 1926, **95**: 1258-60. — Corbini, G. Dell'azione dell'insulina sulla funzionalità gastrica. *Pathologica*, Genova, 1929, **21**: 392-7. — Farah, A. Beitrag zur Wirkung des Insulins auf isolierte Abschnitte des Dünndarmes. *Arch. exp. Path.*, Lpz., 1937-38, **188**: 548-53. — Heller, H. Die Wirkung des Insulins auf die Magenfunktion und ihre diagnostische und therapeutische Bedeutung. *Med. Klin.*, Berl., 1931, **27**: 1454-7. — Meythaler, F., & Graeser, F. Die Wirkung des Insulins auf den Darm. *Arch. exp. Path.*, Berl., 1935, **178**: 27-35. — Pavel, I., & Milcou, S. M. Action de l'insuline sur l'intestin. *C. rend. Soc. biol.*, 1932, **109**: 776-8. — Prasad, S. Effects of insulin on the contractions of the intestinal muscle. *Ind. J. M. Res.*, 1934, **21**: 563-7. — Predteschensky, A. M., Gurvich, I. J., & Permyakov, F. K. Die Wirkung des Insulins auf die Funktion des Magens. *Klin. Wschr.*, 1927, **6**: 261. — Quigley, J. P., & Carlson, A. J. The influence of insulin on the motility of the gastro-intestinal tract. *Abstr. Internat. Physiol. Congr.*, 1929, **13**, Congr., 213. — Senga, H. The influence of insulin on the extracted intestines of rabbits. *Polycien. Dairen*, 1924-26, **2**: No. 30, 1. — Wiechmann, E., & Gatzweiler, W. Insulin und Magen. *Deut. Arch. klin. Med.*, 1927, **157**: 208-15.

— Gastrointestinal effect: Gastric motility.

Heinz, T. E., & Palmer, W. L. A study of the effect of insulin on gastric motility. *Proc. Soc. Exp. Biol.*, N. Y., 1929-30, **27**: 1047-9. — Lalich, J., Youmans, W. H., & Meek, W. J. Insulin and gastric motility. *Am. J. Physiol.*, 1937, **120**: 554-8. — Quigley, J. P. Action of insulin on the gastric motility of man. *Proc. Soc. Exp. Biol.*, N. Y., 1928-29, **26**: 769. — Johnson, V., & Solomon, E. I. Action of insulin on the motility of the gastro-intestinal tract; action on the stomach of normal fasting man. *Am. J. Physiol.*, 1929, **90**: 89-98.

— Gastrointestinal effect: Gastric secretion.

Geis, E. *Ueber die Insulinwirkung auf die Magensekretion. 25p. 8°. Bonn, 1936.

Müller, C. *Klinische Studien über das Verhalten von Magensaftabsonderung und Harnreaktion unter Insulin [Münster] 19p. 8°. Duisburg [1928]

Albers, H. Magensalzsäuresekretion bei insulinisierten Diabetikern. *Klin. Wschr.*, 1936, **15**: 1397-403. — Bogdanian, M. G., & Ostrovidova, V. K. [Insulin and gastric secretion in diabetes] *Klin. med.*, Moskva, 1931, **9**: 318-21. Also *Arch. Verdauungskr.*, 1931, **50**: 216-23. — Boldyreff, E. B., & Stewart, J. F. A study of gastric secretion caused by insulin. *J. Pharm. Exp. Ther.*, 1932, **46**: 419-29. — Cannavò, L. Azione dell'insulina sulla secrezione gastrica dei diabetici. *Arch. farm. sper.*, 1926, **42**: 134-8. — Dionesov, S. M. [On hormonal regulation of gastric secretion during pain excitation; effect of insulin on the secretory activity of the dog's stomach] *J. Physiol. USSR*, 1939, **26**: 470-7. — Dobref, M. Weitere Untersuchungen über Insulin und Magensekretion. *Arch. Verdauungskr.*, 1931, **50**: 157-70. — Donas, A. G. Insulina y secreción gástrica. *Med. ibera*, 1936, **30**: pt 1, 699-702. — Fabian, G., & Starck, C. Die Funktionen der Magen- und Speicheldrüsen beim Diabetes mellitus mit und ohne Insulinbehandlung. *Zschr. klin. Med.*,

1937-38, 133: 747-59.—Fonseca, F., & Carvalho, A. de. Sur le mécanisme de l'action de l'insuline sur la sécrétion gastrique. C. rend. Soc. biol., 1927, 96: 1327.—Gekhtman, G. Y., & Wegner, A. U. [Insulin and function of the stomach] Vrach. gaz., 1930, 34: 1656-60.—Kirihaara, S. Ueber den Einfluss des Insulins auf die Magensaftsekretion. Polyclin. Dairen, 1928-30, 4: No. 12, 11.—La Barre, J., & de Cespèdes, C. Le relèvement brusque de la glycémie par injection de dextrose supprime-t-il l'exagération postinsulinique de la sécrétion gastrique? C. rend. Soc. biol., 1931, 106: 482. — Sur l'origine parasympathique de l'hypersécrétion gastrique consécutive à l'administration d'insuline. Ibid., 484-6. — Rôle du système central dans l'hypersécrétion gastrique consécutive à l'administration d'insuline. Ibid., 1249-51.—Lesnoi, N. G., & Nikolaichuk, S. P. [Effect of insulin on gastric secretion] Biull. eksp. biol. med., 1939, 7: 478-80.—Livieratos, S. G., & Tselios, P. A. Ueber den Einfluss des Insulins auf die Magen- und seinen diagnostischen und therapeutischen Wert. Arch. Verdauungskr., 1936, 59: 313-20.—Lolli, G. Azione dell'insulina sulla secrezione gastrica nel normale e nel diabetico. Boll. Soc. ital. biol. sper., 1937, 12: 45.—Mauriac, P., Sario, R., & Laval, P. Des syndromes hyperchlorhydriques chez les diabétiques traités par l'insuline. Progr. méd., Par., 1938, 1125-9.—Meyer, P. F. Ueber die Wirkung des Insulins auf die Magen- und seinen diagnostischen und therapeutischen Wert. Arch. Verdauungskr., 1936, 59: 313-20.—Necheles, H., Olson, W. H., & Scruggs, W. The effect of insulin on gastric secretion. Fed. Proc., Balt., 1942, 1: pt 2, 62 (Abstr.).—Roholm, K. Clinical investigations into the effect of intravenous injection of insulin; gastric secretion in normal individuals. Acta med. scand., 1930, 73: 472-92.—Rossi, C. L'azione dell'insulina sulla secrezione acida dello stomaco nei sani e negli ammalati di ulcera a gastro-duodenale. Fisiol. e med., Roma, 1932, 3: 365-83.—Skliar, B. S., & Kutilek, V. M. [Effect of insulin on gastric secretion] Radianska med., 1938, 3: No. 5, 42-53.—Wędensky, N. Ueber den Einfluss des Insulins auf die Magen- und seinen diagnostischen und therapeutischen Wert. Arch. Verdauungskr., 1936, 59: 313-20.

Genital effect.

See also subheading Hormonal correlation: Gonads.

Bach, E. *Diabète et fonction de reproduction; étude du traitement par l'insuline. 113p. 8° Par. 1928.

Consoli, V. Insulina e genitali femminili. Clin. ostet., 1934, 36: 277-83.—Keisuke, N. Ueber die Wirkung von Insulin am überlebenden Uterus verschiedener Säugetiere und des Menschen. Nagoya J. M. Sc., 1928, 3: 7-12, 3 pl.—Klaften, E. Weitere Untersuchungen über den uterotonischen Effekt des Insulins. Zbl. Gyn., 1936, 60: 2834-9. — Ueber die Wirkung des Insulins auf die Uterusmuskulatur. Zschr. Geburtsh. Gyn., 1936, 112: 318-38. — Ueber den uterotonischen Effekt des Insulins. Zschr. ges. exp. Med., 1936, 99: 757-71.—Lévai, M. Klinische Beiträge zur genitodepressorischen Wirkung des Insulins. Med. Klin., Berl., 1930, 26: 313-5.—Mignot, R. L'insuline comme anaphrodisiaque. Ann. méd. psychol., Par., 1936, 94: pt 2, 427-32.—Ruggeri, G., & Pelleriti, G. L'insulina e l'apparato genitale femminile. Monit. ostet. gin., 1932, 4: 698-717.—Teitel-Bernard, A. Action de l'insuline sur l'utérus isolé de la souris. C. rend. Soc. biol., 1931, 106: 676-8.

Glucose equivalent.

See Insulin therapy, Dosage.

Growth, regeneration and wound healing.

See also subheading Metabolic effect: Body weight; also Insulin therapy, Indication.

Barral, P. Expériences mettant en évidence l'action de l'insuline sur le développement du sarcome du rat. C. rend. Soc. biol., 1928, 99: 522-4. — L'insuline facteur de cicatrisation. Paris méd., 1934, 93: 28-32. — & Cade, R. Insuline et plaies expérimentales. C. rend. Soc. biol., 1930, 103: 249.—Ferrill, H. W. The effect of daily administration of insulin on growth and reproduction in the white rat. Am. J. Physiol., 1940, 129: 355.—Friedheim, E., & Roukhlman, N. Action de l'insuline étudiée en cultures de tissus. C. rend. Soc. biol., 1930, 103: 10-2.—Gomes da Costa, S. F., & Bénard Guedes F. Sobre a sensibilização do tecido neoplásico a acção dos raios X, pela aplicação prévia da insulina. Lisboa méd., 1932, 9: 767-800.—Lambret, O., & Driessens, J. Action de l'insuline sur l'évolution du sarcome de Jensen: actions opposées des doses faibles, moyennes et fortes. C. rend. Soc. biol., 1935, 119: 589.—Latta, J. S., & Bucholz, D. J. The effects of insulin on the growth of fibroblasts in vitro. Arch. exp. Zellforsch., 1939, 23: 146-56.—Roffo, A. H. La insulina sobre el desarrollo de tejidos normales y neoplásicos in vitro. Bol. Inst. med. exp. cáncer, B. Air., 1928, 4: 391-8, 2 pl. — & Ferramola, R. Glucolisis e insulina en los tejidos normales y neoplásicos cultivados in vitro. Prensa méd. argent., 1930-31, 17: 548-53.—Stolfi, G. Influenza dell'insulina sullo sviluppo del sarcoma di Jensen. Boll. Soc. ital. biol. sper., 1936, 9: 657-9.—Weller, N. S. [Effect of insulin on the antiblastic properties of the spleen] Biull. eksp. biol. med., 1939, 8: 228-31.

Heart effect.

See also subheadings (Blood pressure; Cardiovascular effect) also Heart failure, Treatment: Glucose and insulin.

Baum, M. [Absolute arrhythmia from insulin] Gyógyászat, 1934, 74: 403.—Beskow, A. Wirkt das Insulin auf die Aktivität des überlebenden Froschherzens ein? Skand. Arch. Physiol. Lpz., 1925-26, 47: 127-44.—Bodo, R., & Marks, H. P. The action of insulin on the aseptically perfused heart. J. Physiol., Lond., 1927-28, 63: 242-8.—Brüll, Z. [Symptomatic treatment of heart failure in insulin cardiac decompensation] Cas. lek. česk., 1937, 76: 1529.—Büdingen, T. Ernährungs- und Stoffwechselstörungen im Herzen (Kardiodystrophien) beim Diabetes mellitus und beim Insulinschaden. Zbl. Herz Gefasskr., 1925, 17: 215; 231. — Insulin und Herzfunktion. Ibid., 1926, 18: 75-8.—Costedoat & Aujaleu. L'action cardiaque de l'insuline. Bull. Soc. méd. hôp. Paris, 1932, 3, ser. 48: 876-82.—Cruickshank, E. W. H. The effect of insulin on the utilisation of sugar in the normal and diabetic heart. Abstr. Internat. Physiol. Congr., 1929, 13. Congr., 60.—Narayana, B., & Shrivastava, D. L. Experimental study of the action of insulin on normal and diabetic hearts. Ind. J. M. Res., 1928, 16: 479-511.—Cruickshank, E. W. H., & Prosad, S. The action of insulin on the free muscle sugar of the normal and diabetic heart. Ibid., 473-7.—Cruickshank, E. W. H., & Shrivastava, D. L. The action of insulin on the storage and utilization of sugar by the isolated normal and diabetic heart. Am. J. Physiol., 1930, 92: 144-59.—Cruickshank, E. W. H., & Startup, C. W. The action of insulin on the R.Q. oxygen utilization, CO₂ production and sugar utilization in the mammalian diabetic heart. J. Physiol., Lond., 1934, 81: 153-61.—Evans, C. L., Grande, F. [et al.] The glucose and lactate usages of the diabetic heart and the influence of insulin thereon. Q. J. Exp. Physiol., Lond., 1934-35, 24: 365-76.—Guarino, A. Alterazioni elettrocardiografiche consecutive ad iniezioni d'insulina. Pensiero med., 1937, 26: 329-33.—Haynal, I. [Effect of insulin on the heart muscle] Orv. hetil., 1927, 71: 1085-7. — Vidovszky, L., & György, G. Elektrokardiographische Untersuchungen über Insulinwirkung auf das Herz; Insulin und geschädigter Herzmuskel. Klin. Wschr., 1928, 7: 1543-9.—Hennequin, L. Action de l'insuline sur le cœur isolé de grenouille. C. rend. Soc. biol., 1934, 116: 157. — Also Ann. physiol., Par., 1934, 10: 945-9.—Katz, G. I. [Insulin therapy and the heart] Vrach. delo, 1935, 18: 111-6.—Mondini, E. M. Influenza dell'insulina sulle correnti di azione del cuore. Ann. clin. med., Pal., 1930-31, 20: 1-9, pl.—Ootani, K. Influence of insulin upon the consumption of carbohydrate by the perfused heart of toad. Okayama igakkai zasshi, 1929, 41: 391.—Peserico, E. L'azione dell'insulina sul ricambio respiratorio del cuore isolato di mammifero. Boll. Soc. biol. sper., 1926, 1: 136-8.—Rigoni, M., & Stella, G. Azione dell'insulina sull'attività del cuore isolato di mammifero. Arch. fisiol., Fir., 1926, 24: 293-9.—Schaffer, H. Insulin und Herzfunktion. Deut. med. Wschr., 1926, 52: 1577. — Also Klin. Wschr., 1926, 5: 1635. — Insulin und Herz; elektrokardiographische Studien am Menschen. Verh. Deut. Ges. inn. Med., 1926, 38. Kongr., 457-9.—Smet, J. P. de. On electrocardiographic examination during insulin treatment. Psychiat. neur. bl., Amst., 1938, 42: 142.—Soskin, S., Katz, L. N., & Frisch, R. The dual nature of the action of insulin upon the heart. Ann. Int. M., 1934-35, 8: 900-6.—Strauss, H. Insulin und Herzfunktion. Zbl. Herz Gefasskr., 1926, 18: 25-32.—Tanzi, B. Insulina e sistemi glicolitici isolati dal miocardio di coniglio e di gatto. Biochim. ter. sper., 1935, 22: 481-9. — Ulteriori ricerche sull'azione dell'insulina nel cuore isolato di coniglio. Gior. clin. med., 1936, 17: 1259-66.—Visscher, M. B., & Müller, E. A. The influence of insulin upon the mammalian heart. J. Physiol., Lond., 1926-27, 62: 341-8.

Hematologic effect.

Bayer, G., & Form, O. Ueber den Einfluss des Insulins auf die Phagozytose in vitro. Deut. med. Wschr., 1926, 52: 784. — Ueber den Einfluss des Insulins auf die Phagozytose im Tierkörper und auf den Komplementgehalt. Ibid., 1938.—Ceruti, G., & Palomba, G. Variazione della coagulabilità del sangue in rapporto a variazioni del tasso glicemico ottenute mediante iniezioni di insulina. Arch. fisiol., Fir., 1930, 28: 591-99.—Detre, L. [Insulin and blood picture] Orv. hetil., 1927, 71: 1303.—Elzas, M., & Stübbe, G. D. H. Insuline and blood picture] Ned. tschr. geneesk., 1926, 70: pt 2, 2348-51.—Forti, C. Sugli effetti dell'inoculazione di sangue di animale trattato con forti dosi di insulina. Fisiol. e med., Roma, 1939, 10: 69-88.—Gatto, J. Influenza dell'insulina sul potere battericida del sangue in toto dei bambini normali. Med. inf., Roma, 1933, 4: 217-22.—Gigon, A. Insulin und Hypophysenextrakt in ihrer Wirkung auf einige Blutbestandteile. Biochem. Zschr., 1926, 174: 257-61.—Ginsburg, A. A. [Effect of insulin on the vasomotor properties of the blood] J. eksp. biol., 1930, 14: 30-6.—Grandpierre, B., & Grognot, P. Action de l'insuline purifiée sur la teneur du sang en hématies. C. rend. Soc. biol., 1937, 126: 350-2.—Hamilton, W. E., Barbour, H. G., & Warner, J. H. Does insulin significantly affect the blood concentration? J. Pharm. Exp. Ther., 1924-25, 24: 335-7.—Keys, A. The effects in man and dogs of massive doses of insulin on the composition of the blood serum. Am. J. Physiol., 1938, 123: 608-13.—Klein, O. Ueber die Veränderung der Blutbeschaffenheit schwerer

Diabetiker nach länger dauernder Insulineinwirkung. Biochem. Zschr., 1926, 171: 177-90.—Kyllin, E. Ueber den kolloidosmotischen Druck des Bluteserums bei Diabetikern, besonders während der Insulinbehandlung. Zschr. ges. exp. Med., 1930, 72: 650-8.—Latta, J. S., & Henderson, J. W. The hemopoietic disturbances induced in the albino rat by insulin administration. Fol. haemat., Lpz., 1937, 57: 206-27.—Lega, G. L'influenza dell'insulina su gli elementi figurati del sangue, su la velocità di sedimentazione dei G. R., e sul tempo di emorragia e di coagulazione. Arch. farm. sper., 1930-31, 51: 1-23.—Mazzocco, P., & Morera, V. Action de l'insuline sur la composition du sang. C. rend. Soc. biol., 1924, 91: 30.—Polonovsky, M., Bizard, G. [et al.] Effet, sur l'indice chromique résiduel, au cours de la stase sanguine, des injections périphériques d'insuline. Ibid., 1937, 124: 677-9.—Warembourg, H. Influence de l'insuline, de l'adrénaline et du phlorhizide sur les indoses plasmatique et urinaire chez le chien. Ibid., 1932, 109: 937-9.—Rothschild & Jacobsohn, M. Der Einfluss von Insulin auf die Blutzusammensetzung beim Diabetes mellitus. Verh. Deut. Ges. inn. Med., 1926, 38. Kongr., 447-9.—Sansone, L. Crasi sanguinea e ricambio emoglobinico nel diabete mellito puro e complicato, prima e dopo trattamento insulinico. Arch. stud. fisiopat. ricambio, 1938, 6: 3-23, 11 tab.—Schmidt, A. A., & Saachian, R. L. Einfluss des Insulins auf den morphologischen und chemischen Blutbestand. Zschr. ges. exp. Med., 1927, 54: 199-218.—Stockinger, W., & Beckmann, O. Ueber die Insulinreaktion der Leukocyten des Blutes. Klin. Wschr., 1931, 10: 2068-72.—Stockinger, W., & Kober, K. Ueber die Insulinreaktion der Leukocyten des Blutes. Ibid., 389-92.—Tafari, G. B. Azione dell'insulina nel sangue in vitro. Boll. Soc. ital. biol. sper., 1927, 2: 374-6.—Traczynski, J. [Effect of the vegetative nervous system on the blood picture in insulinization] Warsz. czas. lek., 1938, 15: 281-6.—Velicogna, A. Sulla permeabilità dei globuli rossi al glucosio sotto l'azione dell'insulina. Arch. fisiol., Fir., 1927, 25: 339-47.—Visani, C. Insulina e coagulazione del sangue. Giorn. clin. med., 1933, 14: 487-94.—Walters, O. S., Del Vecchio, J. J., & Hertzman, A. B. Erythrocyte variations in normal men following insulin. Ann. J. Physiol., 1937, 119: 418.—Watson, E. M. The percentage of eosinophils in blood smears from insulin-treated diabetics. Am. J. M. Sc., 1931, 182: 231-7.—Zuckerstein, E., & Stricher, A. P. [Changes in the consistency of blood in diabetics and influence of insulin on it] Russ. klin., 1926, 5: 698-711. Also Deut. Arch. klin. Med., 1928, 161: 323-37.

History.

See also Insulin therapy, History.

BANTING, F. G. Diabetes and insulin: Nobel lecture delivered at Stockholm on September 15th 1925. 20p. 8°. Stockh., 1925.

Banting, F. G. The history of insulin. Edinburgh M. J., 1929, n. ser., 36: 1-18. — The early story of insulin. In Lilly Res. Lab. (Dedicat. Vol.) 1934, 14-20. — Early work on insulin. Science, 1937, 85: 594-6.—Bauer, J., & Monguio, J. Acerca del umbral de la insulina. Rev. méd. Barcelona, 1932, 17: 546.—Best, C. H. Reminiscences of the researches which led to the discovery of insulin. Canad. M. Ass. J., 1942, 47: 398-400.—Dale, H. H. The history of insulin and its manufacture. Brit. M. J., 1927, 1: 437.—Diamare, V. Documenti per la storia della teoria insulare del diabete e sui precedenti dell'insulina. Arch. fisiol., Fir., 1924, 22: 141-57.—Fornet, W. Das Märchen vom Insulin. Fortsch. Med., 1925, 43: 312.—González Tova, J. Estudio histórico del descubrimiento de la secreción interna del páncreas (insulina) Tr. Cáted. hist. crit. med., Madrid, 1934, 2: 261-3.—Griffith, I. The romance of insulin: taking the die out of diabetes. In his Lobsows, Phila., 1939, 453-77.—Hartzog, H. S. The discovery of insulin. Diabetes, N. Y., 1932, 1: 14-25.—Ide, M. Les précurseurs de Banting. Rev. méd. Louvain, 1924, 117.—Insulin comes of age. Statist. Bull. Metrop. Life Insur., 1942, 23: No. 7. 3-5.—Laguesse, E. Ilôts endocrines du páncreas, insuline et diabète d'après les travaux anciens et les travaux récents de l'école canadienne. Rev. fr. endocr., 1923, 1: 281-311.—Laugier, H. Banting et la découverte de l'insuline. Union méd. Canada, 1941, 70: 347-51.—Olmsted, J. M. D. L'insuline. Liège méd., 1928, 21: 483-501.—Stone, C. T. The present status of insulin. Texas J. M., 1925-26, 21: 591-4.—Thomas, J. C. The story of insulin. Univ. Toronto M. J., 1930-31, 8: 8-13.

Hormonal correlation.

See also other subheadings; also under names of endocrine glands.

Lo, Y. M. *Zur Frage der Beeinflussbarkeit der Insulinwirkung durch andere Inkrete [Berlin] 31p. 22½cm. Charlottenb., 1937.

Danenkov, J. S. L'action paradoxale de l'insuline; contribution au problème de la dysfonction endocrinienne. Rev. fr. endocr., 1926, 4: 416-28.—Frada, G. Influenza dell'estratto clorofornico di epifisi sulla curva glicemica da insulina. Biochim. ter. sper., 1938, 25: 266-70.—Longo, A. Sull'azione del trattamento insulinico sui genitali femminili e sul timo. Arch. ostet. gin., 1932, 2, ser., 19: 97-116.—Rizzo, C. Alterazioni delle ghiandole endocrine nei mammiferi insulinizzati. Riv.

pat. nerv., 1934, 43: 95-9.—Schrire, V., & Zwarenstein, H. Changes in plasma inorganic phosphate associated with endocrine activity in *Xenopus laevis*; extirpation of the pancreas and the pituitary, and injection of insulin and anterior pituitary extract. S. Afr. J. M. Sc., 1938, 3: 89-94.—Shereshevsky, N. A., & Mogilnitsky, B. N. [Effect of insulin on thecretory system] Med. biol. J., Leningr., 1928, 4: 36-42.

Hormonal correlation: Gonads.

Abel, P. Experimentelle Untersuchungen über den Einfluss des Insulins auf die Ovarientätigkeit. Arch. Gyn., Berl., 1931, 147: 444-57.—Cotte, G., & Pallot, G. L'insuline et ses rapports avec l'ovulation. C. rend. Soc. biol., 1928, 99: 74.—Del Castillo, E. B., & Calatroni, C. Action de l'insuline sur le cycle oestral du rat blanc. Ibid., 1929, 102: 454.—Del Castillo, E. B., & Cardini, C. Action de l'insuline sur l'apparition des cycles sexuels chez le rat blanc. Ibid., 1930, 105: 117.—Galperin, S. I. [Hormonal sterilization by insulin] J. méd., Kiev, 1938, 8: 169-77; 763-9.—Hofman-Bang, A. Hat das Insulin Einfluss auf die innere Sekretion der Ovarien? Zbl. Gyn., 1930, 54: 1223-30.—Laffont, A., & Schebat, L. A propos de la stérilisation hormonale d'animaux femelles par l'insuline. C. rend. Soc. biol., 1929, 102: 285-7.—Migliavacca, A. L'insulina e i suoi rapporti con l'ovulazione (con dimostrazione di preparati microscopici) Boll. Soc. med. chir., Pavia, 1930, 44: 453-60. — Action de l'insuline sur l'ovaire. C. rend. Soc. biol., 1930, 104: 1266-8.—Picaio, A. Insulina e glandole genitali nel diabete. Fol. med., Nap., 1924, 10: 681-700.—Savignoni, F. Insulina e ovaio (action dell'insulina sull'ovaio di animali impuberi trattati con l'orina di donna gravida) Riv. ital. gin., 1934, 16: 211-25.—Sendrail, M., & Rieunau, G. Action de la castration ovarienne sur la tolérance à l'insuline et l'insulinémie de fatigue. C. rend. Soc. biol., 1934, 116: 735-7.—Vogt, E. Ovarialzyklus und Insulinwirkung. Zbl. Gyn., 1927, 51: 3034-42. — Ueber die Abhängigkeit der Insulinwirkung von der weiblichen Geschlechtsdrüse. Deut. med. Wschr., 1928, 54: 701.—Williams, G. A., & Williams, R. L. Insulogenic stimulation of sexual development. J. Am. M. Ass., 1935, 104: 1208-10.

Hormonal correlation: Pancreas.

See also subheadings (Mode of action; Experimental research; Secretion) also Pancreas, Secretion.

Arpino, G. Ricerche sul contegno del pancreas endocrino nel trattamento insulinico. Fol. med., Nap., 1939, 25: 925-50.—Aubertin, E., Lacoste, A., & Saric, R. Recherches sur l'état de réactivité fonctionnelle du páncreas endocrine chez des chiens normaux soumis pendant longtemps à des injections biquotidiennes d'insuline. C. rend. Soc. biol., 1936, 121: 241-4. — Action des injections répétées d'insuline sur l'état structural et fonctionnel du tissu langerhansien; étude expérimentale et clinique. Ann. méd., Par., 1938, 43: 253-84.—Best, C. H., Campbell, J., & Haist, R. E. The effect of anterior pituitary extracts on the insulin content of the pancreas. J. Physiol., Lond., 1939-40, 97: 200-6.—Best, C. H., & Haist, R. E. The effect of insulin administration on the insulin content of the pancreas. Ibid., 1941, 100: 142-6.—Bettini, I. Correlazioni tra la secrezione esterna e interna del pancreas nel diabete mellito prima e durante la cura insulinica. Arch. pat., Bologna, 1930-31, 10: 615-70, ch.—Campbell, J., Haist, R. E. [et al.] The insulin content of the pancreas as influenced by anterior pituitary extract and insulin. Am. J. Physiol., 1940, 129: 328.—Copp, E. F. F., & Barclay, A. J. The restoration of hydropically degenerated cells of the pancreatic islets in dogs under insulin treatment. J. Metab. Res., 1924, 4: 445-51.—Ferrari, R. Azione degli ormoni sulla secrezione dei fermenti digestivi; influenza della insulina sulla secrezione dei fermenti del succo pancreatico. Arch. fisiol., Fir., 1935-36, 35: 145-56.—Fonseca, F., & Carvalho, A. de. Action de l'insuline sur la sécrétion externe du páncreas. C. rend. Soc. biol., 1926, 95: 1262.—Fonseca, F., & Trincao, C. Action de l'insuline sur la sécrétion externe du páncreas dans un cas de fistule pancréatique. Ibid., 1928, 99: 1532.—Frisk, A. R., & Welin, G. The external pancreatic secretion and the discharge of bile during hypoglycemia following intravenous administration of insulin. Acta med. scand., 1937, 91: 170-82.—Hebb, C. O. The effect of insulin administration on the response of the pancreas to parasympathetic stimulation. Q. J. Exp. Physiol., Lond., 1936-37, 26: 339-54.—Lacoste, A., Aubertin, E., & Saric, R. Action des injections répétées d'insuline sur l'état histologique du páncreas endocrine et sur la teneur en insuline chez le chien normal. C. rend. Soc. biol., 1936, 121: 239-41.—Latta, J. S., & Harvey, H. T. Changes in the islets of Langerhans of the albino rat induced by insulin administration. Anat. Rec., 1942, 82: 281-95, 2 pl.—McJunkin, F. A., & Roberts, B. D. Effect of excessive insulin on the pancreatic islets of young rats. Proc. Soc. Exp. Biol., N. Y., 1932, 29: 893.—Mankowsky, A. L'insulina à la lumière des faits microphysiologiques; sur la structure des îlots de Langerhans du páncreas. Bull. histol. appl., Lyon, 1927, 4: 180-92.—Miller, R. A. Effects of anterior pituitary preparations and insulin on islet cells of the pigeon pancreas. Endocrinology, 1942, 31: 535-44.—Monteleone, R. Insulina e secrezione esterna del pancreas: azione dell'insulina sulla secrezione esterna del pancreas nel diabete mellito. Probl. nutriz., Roma, 1925, 2: 163-83.—Scott, V. B., Collignon, U. J., & Bugel, H. J. Some

effects of insulin and glucose on fasting external pancreatic secretion. *Am. J. Physiol.*, 1941, 133: 440.—**Susman, W.** Insulin and the diabetic pancreas. *Edinburgh M. J.*, 1928, n. ser., 35: 206-13.—**Yasuda, Z.** Relationship between the function of pancreas after insulin-injection and the insulin contained in peripheral blood and lymph. *J. Chosen M. Ass.*, 1936, 26: 15.

Hormonal correlation: Pituitary.

Barnes, B. O., & Dix, A. S. On the mechanism of the susceptibility to insulin in hypophysectomized dogs. *Am. J. Physiol.*, 1936, 116: 6.—**Brobeck, J. R., Magoun, H. W., & Ranson, S. W.** Insulin sensitivity of monkeys after section of the hypophyseal stalk. *Proc. Soc. Exp. Biol.*, N. Y., 1939, 42: 622-4.—**Bruhn, J. M., Keller, A. D.** [et al.] Decrease in insulin tolerance following hypophysectomy largely due to removal of stalk tissue. *Fed. Proc.*, Balt., 1942, 1: pt 2, 11 (Abstr.).—**Chaikoff, I. L., Reichert, F. L.** [et al.] The effect of hypophysectomy and cerebral manipulation in the dog upon the response of the blood sugar and inorganic phosphorus to insulin. *Am. J. Physiol.*, 1935, 112: 493-503.—**Collin, R., Drouet, P. L.** [et al.] L'action histophysiologique de l'hypoglycémie insulinaire sur les glandes endocrines et le problème de l'antagonisme entre l'hypophyse et le pancréas. *Rev. fr. endocrin.*, 1932, 10: 271.—**Fichera, G.** Sui rapporti tra ipofisi e pancreas; gli effetti dell'ormone pancreasotropo ittiosario sull'apparato insulare del pancreas. *Pathologica*, Genova, 1938, 30: 286-90, pl.—**Fraenkel-Conrat, H. L., Herring, V. V.** [et al.] Effect of purified pituitary preparations on the insulin content of the rat's pancreas. *Am. J. Physiol.*, 1941-42, 135: 404-10.—**Haisl, R. E.** The pituitary and the insulin content of pancreas. *J. Physiol.*, Lond., 1940, 98: 419-23.—**Herlant, M.** Pouvoir gonadotrope de l'hypophyse de rats soumis à des injections d'insuline. *C. rend. Soc. biol.*, 1938, 129: 57.—**Jones, H. D.** Effect of insulin on partially hypophysectomized rats. *Proc. Soc. Exp. Biol.*, N. Y., 1939, 40: 68-70.—**Kater, J.** The insulin sensitiveness of hypophysectomized rats. *Acta brev. neerl.*, 1936, 6: 97-9. Also *Ned. tschr. geneesk.*, 1936, 80: 3613-6.—**Lucke, H., & Koch, A.** Die reaktive Ausschüttung des kontrainsulären Vorderlappenhormons bei der Phlorhizinglykosurie. *Zschr. ges. exp. Med.*, 1938, 103: 270-3.—**Newton, W. H., & Young, G. S.** The influence of the glycotropic, anti-insulin factor of the anterior hypophysis on the insulin sensitivity of the hypophysectomized rabbit. *J. Physiol.*, Lond., 1938, 94: 40-6.—**Quigley, J. P., & Barnes, B. O.** Antagonistic action of posterior pituitary lobe preparations. *Am. J. Physiol.*, 1930, 95: 7-12.—**Kieser, O.** Der Einfluss der Ernährung auf die Empfindlichkeit hypophysectomierter Ratten für Insulin. *Acta brev. neerl.*, 1940, 10: 115-8.—**Rosenberg, S., & Samuels, L. T.** The influence of previous diet on the insulin tolerance of hypophysectomized rats. *Fed. Proc.*, Balt., 1942, 1: pt 2, 164 (Abstr.).—**Schrire, V.** Changes in plasma inorganic phosphate associated with endocrine activity in *Xenopus laevis*; the effect of insulin on hypophysectomized animals. *S. Afr. J. M. Sci.*, 1939, 4: Suppl., 1-3.—**Werner, P., & Monguió, J.** Klinische Untersuchungen zur Frage des Antagonismus von Insulin und Pituitrin. *Klin. Wschr.*, 1933, 12: 748-51.

Hormonal correlation: Suprarenals.

Scheer, W. *Ueber den Mechanismus der antagonistischen Wirkung von Adrenalin und Insulin. p.159-67. 8° Berl., 1933.

Also *Zschr. klin. Med.*, 1933, 123:

Angioli, L. Antagonismo fra insulina e surreni per la pressione arteriosa. *Clin. med. ital.*, 1937, 68: 591-601.—**Audogianotti, G. B.** Ricerche sulla reazione surrenale all'azione dell'estratto insulare. *Pensiero med.*, 1935, 24: 281; 317.—**Barnes, B. O., Dix, A. S., & Rogoff, J. M.** Effect of adrenalin on insulin sensitivity of partially adrenalectomized and of hypophysectomized dogs. *Proc. Soc. Exp. Biol.*, N. Y., 1934, 31: 1145.—**Berg, B. N., McAfee, J., & Zucker, T. F.** Effect of epinephrin on normal and diabetic response to insulin. *Ibid.*, 1934-35, 32: 1358.—**Ellsworth, R., & Weinstein, A.** The effect of insulin injections upon the serum inorganic phosphate in normal and suprarenalectomized dogs. *Bull. Johns Hopkins Hosp.*, 1933, 53: 21-30.—**Harada, T.** Die histologischen Veränderungen der Nebennierenrinde nach wiederholter Injektion von Insulin an Kaninchen. *Fukuoka acta med.*, 1930, 23: 3.—**Heks, M., & Szakál, A.** Der Insulin-Adrenalin Antagonismus im Plethysmogramm und dessen Zusammenhang mit der Konstitution. *Deut. Arch. klin. Med.*, 1926-27, 154: 365-71.—**Hemmingsen, A. M., Nielsen, A., & Nielsen, A. L.** The effect of insulin on adrenalectomized rats and mice. *Acta med. scand.*, 1938, 96: Suppl. 90, 105-10.—**Hofmann, E.** Ueber die Veränderungen des Nebennierenorgans nach Insulinwirkung. *Krankheitsforschung*, 1925-26, 2: 295-310, pl.—**Ingraham, R. C., & Gellhorn, E.** Role of adrenals in blood pressure reaction to anoxia during insulin hypoglycemia. *Proc. Soc. Exp. Biol.*, N. Y., 1939, 40: 315-9.—**La Barre, J., & Saric, R.** A propos de l'origine nerveuse centrale de l'hyperadrenalinémie post-insulinique. *Arch. internat. physiol.*, Liège, 1936-37, 44: 459-73.—**Larson, P. S., & Brewer, G.** The relation of the adrenal medulla to the effect of insulin on purine metabolism. *J. Biol. Chem.*, 1936, 115: 279-84.—**Lucke, J. M., & Richmond, G. M.** Stimulation of adrenal medulla by irradiated insulin. *Proc. Soc. Exp. Biol.*, N. Y., 1934-35, 23: 1056.—**Méhes, G., &**

Both, J. Concerning the action of insulin; the cardiovascular antagonism of insulin and adrenalin. *Magy. orv. arch.*, 1927, 28: 500-10.—**Mikeleitis, B.** Quantitative Untersuchungen an den Nebennieren der weissen Maus nach längerer Insulinbehandlung. *Anat. Anz.*, 1939-40, 89: 337-49 (microfilm).—**Miller, R. A., & Riddle, O.** Cellular response to insulin in suprarenals of pigeons. *Proc. Soc. Exp. Biol.*, N. Y., 1941, 47: 449-53.—**Oliva, G., & Pescarmona, M.** Curve glicemiche e carotinicomiche dopo insulina ed adrenalina in normali ed in diabetici. *Arch. sc. med.*, Tor., 1939, 68: 537-46.—**Plumier-Clermont, L., & Carot, L.** L'insuline possède-t-elle une action cardio-vasculaire antagoniste de celle de l'adrénaline? *Arch. internat. physiol.*, Liège, 1926, 26: 82-96.—**Schenk, F., & Langecker, H.** Ueber Gewebsveränderungen der Nebennierenrinde des Kaninchens nach chronischer Insulinzufuhr. *Endokrinologie*, 1935, 16: 305-11.—**Scott, A. H., & Berg, B. N.** Blood lactic acid following the administration of insulin in cats without the adrenal medulla. *J. Biol. Chem.*, 1936, 115: 163-9.—**Unverricht.** Insulinempfindlichkeit und Nebenniere. *Deut. med. Wschr.*, 1926, 52: 1298.

Hormonal correlation: Thyroid and parathyroid.

Ehrismann, O. Zur Pharmakologie des Antagonismus von Insulin und Schilddrüsenpräparaten. *Arch. exp. Path.*, Lpz., 1927, 121: 299-319.—**Forrest, W. D.** The effect of parathyroid on the blood sugar curve after insulin. *Brit. M. J.*, 1923, 2: 916.—**Goldblatt, M. W.** Insulin and the thyroidectomized rabbit. *J. Physiol.*, Lond., 1936, 86: 46-60.—**Nelken, L.** Ueber Beziehungen des Insulins zum Hyperthyreoidismus. *Arch. Verdauungskr.*, 1927, 40: 75-82.—**Oestreicher, F.** Ueber die gegenseitige Beeinflussung gleichzeitiger Insulin- und Thyroxingaben. *Acta brev. neerl.*, 1933, 3: 53.—**Räihä, C. E.** Wirkt das Insulin auf die Gl. thyroidea? vorläufige Mitteilung. *Skand. Arch. Physiol.*, Berl., 1929, 58: 8-10.—**Uotila, U.** Wirkt das Insulin auf die Gl. thyroidea? *Ibid.*, 1932-33, 65: 287-90, 3 pl.—**Simnitzky, W. S., & Komendantowa, A. L.** Der Einfluss einer chronischen Bereicherung des Organismus mit Insulin auf die Sekretionsfähigkeit der Schilddrüse. *Virchows Arch.*, 1934, 293: 448-57.

Hyperglycemic effect.

See also Blood sugar, high.

Mamlok, H. *Ueber die Dialysierfähigkeit des Insulins und des in den technischen Insulinen enthaltenen hyperglykämisierenden Prinzipes. 20p. 8° Bonn, 1934.

Barral, P., & Morelon, F. L'épreuve de l'hyperglycémie provoquée chez les sujets non glycosuriques traités par l'insuline. *C. rend. Congr. fr. méd.* (1930) 1931, 21. sess., 304-10.—**Bürger, M.** Die physiologische Bedeutung der primären Insulinhyperglykämie. *Abstr. Internat. Physiol. Congr.*, 1929, 13. Congr., 41.—Die klinische Bedeutung der initialen Insulinhyperglykämie. *Klin. Wschr.*, 1930, 9: 104-8.—**Kramer, H.** Primäre Hyperglykämie und Glykogenverarmung der Leber als Folge intraportaler Insulininjektion nach Untersuchungen am Hund. *Zschr. ges. exp. Med.*, 1929, 67: 441-50.—Ueber die Wirkungsverschiedenheit technischer Insuline und kristallisierter Präparate bezüglich der primären Insulinhyperglykämie. *Arch. exp. Path.*, Lpz., 1930, 156: 1-17.—**Clark, B. B., Gibson, R. B., & Paul, W. D.** A study of the rôle of insulin in metabolism in nondiabetic patients; transitory hyperglycemia and glycosuria following discontinuation of insulin. *J. Lab. Clin. M.*, 1934-35, 20: 1008-16.—**Fornet, W.** Insulin beim Gesunden. *Deut. Arch. klin. Med.*, 1927, 155: 122 [Bemerkungen von Fritz Zinsser] 123.—**Christensen, E.** Das paradoxe Insulinphänomen. *Schweiz. med. Wschr.*, 1926, 56: 228.—Ueber Zuckerausschüttung nach Insulin. *Münch. med. Wschr.*, 1926, 73: 955.—**Fricke, G.** Glykosurie durch Insulin. *Klin. Wschr.*, 1926, 5: 1927.—**Geiling, E. M. K., & De Lawder, A. M.** Studies on crystalline insulin; does insulin cause initial hyperglycemia? *J. Pharm. Exp. Ther.*, 1930, 39: 369-85.—**Giornelli, L.** La reazione iperglicemica iniziale da insulina in gravidanza ed in puerperio. *Ross. ostet.*, 1932, 41: 295-319.—**Guardabassi, M.** Sulla genesi e sul valore clinico della reazione iperglicemica iniziale alla insulina. *Diagnosi*, 1931, 11: 211-25, pl.—La reazione iperglicemica iniziale alla insulina. *Riforma med.*, 1936, 52: 893-7.—**Guarino, A., & Deganello, M.** Sul fenomeno paradossale dell'iperglicemia iniziale post-insulinica. *Arch. stud. fisiopat. ricambio*, 1937, 9: 133-8.—**Hecht, P., & Bonem, P.** Glykosurie durch Insulin. *Klin. Wschr.*, 1927, 6: 72.—**Ide, M.** Insuline et glycémie de Loewi. *Rev. méd. Louvain*, 1929, 126-8.—**Képinov, L.** Sur l'action glycogénolytique de la substance hyperglycémiant accompagnant l'insuline non purifiée et sur le mécanisme de cette action. *C. rend. Soc. biol.*, 1938, 127: 851-4.—**Korányi, S.** Ueber initiale Insulinhyperglykämie. *Deut. med. Wschr.*, 1930, 56: 1683.—**Müller, E. F., & Petersen, W. F.** Ueber Zuckerausschüttung nach Insulin. *Münch. med. Wschr.*, 1926, 73: 726-9.—**Mukherjee, H. N.** The production of hyperglycaemia in rabbits by oral administration of precipitated insulin. *J. Physiol.*, Lond., 1930-31, 70: 182.—**Wichels & Lauber.** Insulin und Hyperglykämie. *Deut. Arch. klin. Med.*, 1931-32, 172: 613-21.—**Wichmann, E.** Ueber das Auftreten von Zucker im Harn durch Insulininjektion. *Ibid.*, 1929, 164: 172-4.

Hyperinsulinism.

See under **Blood sugar, low: Hyperinsulinism.**
For artificial hyperinsulinism see under **Insulin therapy.**

Hypoinsulinism.

See **Blood sugar, high; Diabetes mellitus.**

Immunology and serology.

Gomes da Costa, S. F. L'insuline et les floculations de la réaction de Borden. *C. rend. Soc. biol.*, 1933, 113: 524-6.—Nozaki, M. Ueber die Beziehung zwischen Hormonen und Immunkörpern; die Genese der Agglutinationsschwankung durch Insulin. *J. Chosen M. Ass.*, 1928, 419, pl. — On the nature of variation of agglutination titre caused by insulin. *Keijo J. M.*, 1930, 1: 248; 278, pl. — & Tokumitsu, Y. Ueber die Beziehungen zwischen Hormon und Immunkörper; die Genese der Schwankung des Agglutinationstiters durch Insulin. *Tr. Jap. Path. Soc.*, 1927, 17: 274-7.—Testa, C. Influenza dell'insulina sul potere complementare del siero del sangue. *Rass. ter. pat. clin.*, 1935, 7: 397-409.—Wasserman, P., & Mirsky, I. A. Immunological identity of insulin from various species. *Endocrinology*, 1942, 31: 115-8.

Impurity.

See subheading **Manufacture.**

Inactivation.

See also other subheadings (**Deterioration; Enzymic relation, etc.**)

Carr, F. H., Culhane, K. [et al.] A reversible inactivation of insulin. *Biochem. J.*, 1929, 23: 1010-21.—Chahovitch, N. Antagonisme de l'action de l'atropine et de l'insuline. *C. rend. Soc. biol.*, 1929, 100: 1215-7.—Corkill, A. B., & Ennor, A. H. The influence of sulphydryl compounds upon the action of insulin. *Austral. J. Exp. Biol.*, 1940, 18: 379-84.—& Nelson, J. F. Insulin inactivation by sulphydryl compounds. *Ibid.*, 1942, 20: 15.—Davis, B., Luck, J. M., & Miller, A. G. The differential inactivation of insulin. *Biochem. J.*, Lond., 1933, 27: 1643-7.—Du Vigneaud, V. Is insulin inactivated by glucose? *J. Biol. Chem.*, 1927, 73: 275-83.—Fitch, A. [et al.] The inactivation of crystalline insulin by cysteine and glutathione. *Ibid.*, 1931, 94: 233-42.—Gaunt, W. E., & Wormald, A. The action of phenyl isocyanate on insulin; further observations on the chemistry of insulin and its phosphate-lowering power. *Biochem. J.*, Lond., 1936, 30: 1915-26.—Glen, A., & Eaton, J. C. Insulin antagonism. *Q. J. Med.*, Oxf., 1938, 7: 271-91.—Hopkins, S. J., & Wormald, A. The action of phenyl isocyanate on insulin. *Biochem. J.*, Lond., 1934, 28: 2125-32. Also *Nature*, Lond., 1934, 134: 290.—Hosoda, N. Beiträge zur Wirkung des Insulins bei gleichzeitiger Anwendung von Blausäure. *J. Biochem.*, Tokyo, 1928-29, 10: 383-8.—Jensen, H., Grattan, J. F., & Hart, G. W. A study on the specificity of the anti-insulin effect. *Endocrinology*, 1942, 30: 203-7.—Karelitz, S., Cohen, P., & Leader, S. D. Studies on inhibition of insulin activity. *Proc. Soc. Exp. Biol.*, N. Y., 1928-29, 26: 11-3.—Kather, E. Inaktivierung von Insulin durch bestrahltes Eiweiss. *Arch. exp. Path.*, Berl., 1937, 185: 323-8.—Lång, S. Zur Frage des Antagonismus von Insulin und Atropin. *Ibid.*, 1933, 170: 292-5.—Lowell, F. C. Evidence for the existence of 2 antibodies for crystalline insulin. *Proc. Soc. Exp. Biol.*, N. Y., 1942, 50: 167-72.—Rosenberg, S. Sind Insulin und Blausäure Gegengifte? *Med. Klin.*, Berl., 1926, 22: 1650.—Schmidt, A. A. Ueber Inaktivierung des Insulins. *Klin. Wschr.*, 1930, 9: 1021-4.—Schock, E. D., Jensen, H., & Hellerman, L. The inactivation of insulin; the effects of certain metal derivatives and of sulphydryl compounds. *J. Biol. Chem.*, 1935, 111: 553-9.—Szolnoki, J. Sind Insulin und Blausäure Gegengifte? *Deut. med. Wschr.*, 1926, 52: 1427.—Watson, E. M., & Dick, W. S. Some observations concerning a possible insulin-inhibiting substance in urine. *Ann. Int. M.*, 1933, 6: 1171-7.

Inactivation—by blood.

Black, P. T. The inactivation of insulin by normal and diabetic blood. *Brit. J. Exp. Path.*, 1933, 14: 318-22.—Bürger, M., & Kohl, H. Ueber kristallinisches Insulin; über Inaktivierung des Insulins durch Blut. *Arch. exp. Path.*, Berl., 1933-34, 174: 130-42.—Caizzone, G. Sul preteso potere di neutralizzazione dell'insulina da parte del sangue. *Riv. pat. sper.*, 1928, 3: 243-5.—Iyengar, N. K., & Scott, D. A. Destruction of insulin in blood. *Tr. R. Soc. Canada*, 1940, 34: Sect. 5, 45-52.—Kohl, H. Untersuchungen über die insulinzerstörende Kraft des Blutes. *Klin. Wschr.*, 1939, 18: 1168.—Untersuchungen über die insulinzerstörende Kraft des Blutes; Beschreibung einer verbesserten Methodik. *Ibid.*, 1940, 19: 181 (microfilm).—Selbach, H., & Janning, A. Ueber kristallinisches Insulin; der zeitliche Ablauf der Insulininaktivierung durch Normalblut. *Arch. exp. Path.*, Berl., 1937, 185: 212-20.—Mauriac, P., & Aubertin, E. Sur le pouvoir de neutralisation du sang de sujets diabétiques et non diabétiques vis-à-vis de l'insuline. *C. rend. Soc. biol.*, 1928, 98: 233-5.

Le pouvoir de neutralisation du sang vis-à-vis de l'insuline est d'origine globulaire. *Ibid.*, 235-7.—La neutralisation de l'insuline par les globulines sanguines est due à une substance anti-insuline intra-globulaire. *Ibid.*, 237.—Monasterio, G. Il potere neutralizzante del sangue di individui normali e diabetici rispetto all'insulina. *Clin. med. ital.*, 1934, 65: 3-22.—Rosenthal, F., Friedheim, I., & Nagel, R. Ueber die insulinzerstörende Kraft der Erythrocyten. *Klin. Wschr.*, 1934, 13: 1121-4.—Weitere Untersuchungen über die insulinzerstörende Kraft der Erythrocyten. *Ibid.*, 1935, 14: 603-6.—Schmidt, A. A., & Saachian, R. L. [Problem of the effect of blood on the activity of insulin] *J. eksp. biol.*, Moskva, 1929, 11: 37-41.

Irradiation.

Den Hoed, D., & de Jongh, S. E. [On the resisting power of insulin to radium and Roentgen treatment] *Ned. tschr. genesk.*, 1928, 72: pt 1, 3169-73.—& Peck, A. E. J. Ueber das Verhalten von Insulin gegenüber Röntgen-, Radium- und ultravioletten Strahlen. *Biochem. Zschr.*, 1929, 205: 144-53.—Küstner, H., & Eissner, W. Beeinflussung des Insulins durch rote und ultraviolette Bestrahlung. *Klin. Wschr.*, 1932, 11: 499-501.—Ueber den Einfluss von ultraviolettem Licht auf die physiologische Wirksamkeit des Insulins. *Ibid.*, 1932, 11: 499-501.—Visco, S. Azione del radio sulla attività dell'insulina. *Boll. Soc. biol. sper.*, 1926, 1: 382-4.—Vogt, E. Ueber die Beeinflussung der Wirksamkeit des Insulins durch Röntgenbestrahlung. *Fortsch. Röntgenstrahl.*, 1927, 36. Kongr. [Beih.] 75. Also *Strahlentherapie*, 1927, 27: 106-20.

Kidney and threshold effect.

Fischbacher, A. *Insuline et perméabilité rénale. 55p. 8° Par., 1929.

Braestrup, A. [Studies on the action of large insulin doses; renal threshold for sugar] *Nord. med.*, 1940, 5: 81-6.—Bufano, M. Die Wirkung des Insulin auf die Nierenpermeabilität für Glykose. *Klin. Wschr.*, 1934, 13: 403-7.—Caccuri, S. L'influenza dell'insulina sulla permeabilità dei reni al glucosio. *Morgagni*, 1934, 76: 493.—Elias, H., & Güdemann, J. Zur Insulinwirkung auf die Zuckerdurchlässigkeit der menschlichen Niere. *Arch. exp. Path.*, Lpz., 1926, 119: 119-26.—Konikov, R. S. [Effect of insulin on the vessels of the kidneys] *Vrach. gaz.*, 1929, 33: 2484-9.—McCaskey, G. W. The renal glucose threshold and its bearing on the insulin treatment of diabetes. *N. York M. J.*, 1923, 118: 215-7.—Michele, B. A proposito dell'azione dell'insulina sulle soglie renali. *Policlinico*, 1931, 38: sez. prat., 1595-7.—Rabinowitch, I. M. Observations on the altered renal threshold for sugar in insulin-treated diabetics. *Brit. J. Exp. Path.*, 1926-27, 7: 352-6.—Sorge, G. Modificazioni delle soglie renali durante la terapia insulinica nei diabetici. *Boll. Soc. ital. biol. sper.*, 1930, 5: 762-4.

Liver effect.

See also **Insulin therapy, Administration, intraportal.**

Abrami, P., Bertrand-Fontaine, [et al.] Action comparées de l'insuline sur le glycogène et sur les lipides du foie. *C. rend. Soc. biol.*, 1934, 116: 512-5.—Baisset, A., Bugnard, L. [et al.] Etude de la traversée hépatique après une injection d'insuline. *J. physiol. path. gén.*, 1939, 37: 592-6.—Bauerstein, E. Untersuchungen über den Einfluss des Insulins auf die Carotin-Vitamin-A-Bestände der Leber. *Endokrinologie*, 1938-39, 21: 247-52.—Bischof, G. Insulinkur und Leberfunktion. *Psychiat. neur. Wschr.*, 1938, 40: 142-4.—Bodo, R., & Marks, H. P. The action of insulin on the perfused mammalian liver. *J. Physiol.*, Lond., 1928, 64: 48-62.—Borodulin, F. R., Grigula, E. I. [et al.] [Experiments on the effect of insulin on sugar formation in the liver] *Vrach. delo*, 1928, 11: 1951-6.—Brugsch, T., & Horstern, H. Studien über intermediäre Kohlehydratumsatz; über Glykose-, Milchsäure- und Phosphorsäurebildung in der Leberaufschwemmung unter dem Einflusse von Insulin. *Biochem. Zschr.*, 1927, 188: 147-63.—Clark, B. B., Morrissey, R. W., & Fazekas, J. F. Insulin and the oxidation of ethyl alcohol by excised diabetic liver tissue. *Science*, 1938, 88: 285.—Cristol, P., Hédon, L. [et al.] Enrichissement en glycogène et appauvrissement en lipides du foie, chez le chien normal à jeun, sous l'influence de doses d'insuline faibles et répétées. *C. rend. Soc. biol.*, 1938, 127: 33-5.—Fiessinger, N., Bénard, H. [et al.] Influence de l'insuline sur la glycémie au cours de la perfusion du foie. *Ibid.*, 1937, 124: 952-4.—Forsgren, E. Ueber die Einwirkung des Insulins auf die Leber. *Acta med. scand.*, 1929, 70: 139-49.—Guinness, S. G., Charniaia, P. M., & Jakusheva, T. S. [Effect of insulin on excretion of sugar and retention of lactic acid by the liver] *Biull. eksp. biol. med.*, 1941, 11: 119-23.—Isssekutz, B., & Szende, J. Die Wirkung des Insulins auf die Zuckerproduktion der überlebenden Froschleber. *Biochem. Zschr.*, 1934, 272: 412-6.—Laufberger, V. [Insulin action on the liver of diabetics] *Cas. lék. česk.*, 1926, 65: 497-9.—Versuche über die Insulinwirkung; Einfluss des Insulins auf normale und diabetische überlebende Hundeleber. *Zschr. ges. exp. Med.*, 1926, 50: 754-60.—Lundsgaard, E., Nielsen, N. A., & Ørskov, S. L. On the possibility of demonstrating an effect of insulin on isolated mammalian liver. *Skand. Arch. Physiol.*, Berl., 1939,

81: 11-9.—Meythaler, F., & Gerstenberg, H. W. Ueber den Einfluss des Insulins auf die Leber. Arch. exp. Path., Lpz., 1938-39, 191: 505-22.—Murlin, J. R., Pierce, H. B., & Gregg, D. E. The relation of the liver to the action of insulin. Abstr. Internat. Physiol. Congr., 1929, 13. Congr., 190.—Nitzescu, I. I. L'insuline et la sécrétion biliaire. C. rend. Soc. biol., 1926, 95: 773-5.—Padovani, G. Contributo allo studio della funzionalità epatica nel corso del trattamento insulinico. Gior. psichiat., 1939, 67: 162-6.—Quiñones, M. Insulina y excreción biliar. Medicina, Méx., 1929-30, 10: 325-30.—Sammartino, U. Azione dell'insulina sulla formazione di acido lattico nel fegato. Boll. Soc. ital. biol. sper., 1927, 2: 144. — Studi su l'insulina; contributo alla conoscenza dell'azione dell'insulina sulla formazione di acido lattico nel fegato. Arch. farm. sper., 1927-28, 44: 11-21.—Schwarz, H., & Taubenhaus, H. Beiträge zum Wirkungsmechanismus des Insulins; über den Ammoniakgehalt und die Ammoniakbildung der Leber und deren Beeinflussung durch Insulin. Biochem. Zschr., 1931, 239: 201-8.—Stadie, W. C., Lukens, F. D. W., & Zapp, J. A., jr. The action of insulin upon urea formation and carbohydrate synthesis by liver slices of normal and diabetic animals. Proc. Am. Soc. Biol. Chem., 1939, 9: p. xviii. — The effect of insulin upon urea formation, carbohydrate synthesis, and respiration of liver of normal and diabetic animals. J. Biol. Chem., 1940, 132: 393-409.

— Manufacture [and supply]

See also subheadings (Assay; Preparations)

Baudouin. Rapport au nom de la Commission du diabète. Bull. Acad. méd., Par., 1940, 123: 426.—Bečka, J. [Studies on insulin; a new method of preparation of insulin] Biol. spisy zvr. lek., 1926, 5: No. 15, 1-7.—Best, C. H. Die Darstellung von Insulin. In Handb. biol. Arbeitsmeth. (Aberhalden, E.) Berl., 1938, 5: T. 3 B. 1. Hälfte, 497-512.—Carr, F. H. Insulin and its manufacture. Pharm. J. Lond., 1927, 117: 244.—Cazzani, U. Preparazione e sterilizzazione delle soluzioni iniettabili di insulina. Biochim. ter. sper., 1929, 16: 563-8.—Congress acts to safeguard users of insulin. J. Am. M. Ass., 1941, 117: 2257.—Einschränkungen der Abgabe und des Bezugs von Insulin. Bull. Eidg. Gesundheitsamt., 1942, 200-3.—Galvialo, M., & Schmidt, A. [Simple method of obtaining insulin from pancreas] Vrach. gaz., 1928, 32: 723-5.—Jensen, H., Geiling, E. M. K., & Wintersteiner, O. Isolation of insulin in crystalline form from fish islets (cod and pollock) and from pig's pancreas. Proc. Soc. Exp. Biol., N. Y., 1928-29, 26: 220.—Kaulbersz, G. Préparation de l'insuline à partir des extraits aqueux alcalins. Bull. Soc. chim. biol., Par., 1930, 12: 464-9.—Kaulbersz, J. [Preparation of insulin] Med. dós., 1929, 10: 399-420.—Laquer, F. Stehen genügend Bauchspeicheldrüsen für den Bedarf an Insulin zur Verfügung? Deut. med. Wschr., 1927, 53: 409.—Lawrence, R. D. The new price of insulin preparations. Brit. M. J., 1941, 1: 535. — War-time difficulties for diabetics. Nurs. Times, Lond., 1941, 37: 29-31.—MacDermott, H. E. The labelling of insulin. Canad. M. Ass. J., 1931, 24: 428.—Murlin, J. R. Progress in the preparation of pancreatic extracts for the treatment of diabetes. Endocrinology, 1923, 7: 519-35. ch.—[Parliament (The) and cost-free insulin treatment; motion of both chambers for further investigation] Sven. farm. tskr., 1939, 43: 217.—Penaud, H., & Simonnet, H. Préparation et titrage de l'insuline. Ann. méd., Par., 1927, 22: 497-527.—Pharmacopoeia trustees assure diabetics safe insulin. J. Nat. M. Ass., N. Y., 1942, 34: 43.—Scott, D. A., & Parker, H. The preparation of insulin. Tr. R. Soc. Canada, 1932, 3. ser., 26: 311-4.—Sordelli, A. Preparación de insulina. An. Dep. nac. hig., B. Air., 1927, 33: 61-4.—Stocks of insulin. Med. Off., Lond., 1942, 67: 196.—Umber, F., Gebauer, H., & Schweder, G. B. Zur Frage der Häufigkeit und der Insulinversorgung der Diabetiker. Deut. med. Wschr., 1940, 66: 771.

— Manufacture: Purification.

See also Insulin. Assay: Standards and units.

Abrami, P., Bertrand-Fontaine [et al.] Possibilité d'erreurs expérimentales consécutives à la présence de corps réducteurs dans certaines solutions d'insuline. C. rend. Soc. biol., 1934, 116: 577.—Barrie, M. M. O. The effect on the isolated heart of the preservative present in insulin solutions. B. P. Q. J. Pharm., Lond., 1936, 9: 485-92.—Chabanier, H., Lobo-Onell, C. [et al.] Un aspect essentiel du problème de l'application de la médication insulinique; la question du degré de purification des préparations d'insuline. Presse méd., 1929, 37: 766-70.—Dingemanse, E. Sur la purification de l'insuline. Arch. néerl. physiol., 1927, 12: 259-64. Also Ned. tschr. geneesk., 1927, 71: pt 1, 970-4.—Gerlough, T. D., & Bates, R. W. The purification and some properties of insulin. J. Pharm. Exp. Ther., 1932, 45: 19-51.—Laquer, F. Die Reindarstellung des Insulins. Deut. med. Wschr., 1926, 52: 957.—Lasch, F. Ultrafiltrationsversuche mit Insulin. Biochem. Zschr., 1938, 297: 244-8.—Nielsen, N. A. Ueber die Reinheit verschiedener Insulinpräparate. Skand. Arch. Physiol., Berl., 1932-33, 65: 305-10.—Nitescu, I., & Secăreanu, S. [New investigations on the purification and the nature of insulin] Rev. endocr. gin., Cluj, 1940, 4: 73-9.—Schmid, F., & Riegert, A. Ultrafiltration d'insulines d'inégales puretés sur des membranes de porosités graduées. C. rend. Soc. biol., 1937, 125: 881-4.—Wolff, P. Die Reindarstellung des Insulins. Apoth. Ztg., 1926, 41: 578.

— Metabolic effect.

See also subheading Acid-base equilibrium.

Chalkelis, A. S. *The effect of insulin on the glucose-chloride relationship and anhydremia in the blood of rabbits. 21p. 8° N. Y., 1933.

Also J. Biol. Chem., 1934, 105: 767-78.

Ascoli, V., Silvestri, S., & Marino, S. L'azione dell'insulina sul ricambio del diabete mellito. Probl. nutriz., Roma, 1924, 1: 409-11.—Barbaro-Forlò, G., & Cattaneo, F. Il glutatone ematico nel diabete e sue variazioni in relazione alla insulino-terapia. Riv. clin. med., 1935, 36: 635-57.—Borysiewicz, A., & Ptaszek, L. [Effect of insulin in changes of metabolism during rest] Polska gaz. lek., 1929, 8: 870-2.—Braestrup, A. [Investigation on the effect of large doses of insulin; blood sugar and blood phosphate following the administration of insulin, adrenalin and glucose] Nord. med., 1939, 3: 2940-2.—Bürger, M., Horn, F., & Ruppert, V. Ueber kristallinisches Insulin; die Einwirkung von kristallinischem Insulin auf den Restkohlenstoff- und Milchsäuregehalt des Blutes. Arch. exp. Path., Berl., 1935, 178: 282-94.—Chambers, W. H., Deuel, H. J., jr., & Milhorat, A. T. Animal calorimetry; the effect of insulin on the metabolism of dogs under amylal anesthesia. J. Biol. Chem., 1927, 75: 423-34.—Daniels, A. C., & Luck, J. M. Further studies of the effect of insulin on the amino acid content of blood. Ibid., 1931, 91: 119-26.—Dell'Acqua, G. Curve glicocloro-proteinemiche dopo iniezione di insulina. Boll. Soc. ital. biol. sper., 1935, 10: 761-5.—De Lucia & Velardi, F. Ricerche sul metabolismo dell'acido ossalico; l'eliminazione dell'acido ossalico nel diabete umano ed il suo comportamento in seguito alla terapia insulinica. Ibid., 1929, 4: 249-51.—De Nayer, P., Lacquet, A., & Bouckaert, J. P. Effet de l'injection d'insuline sur le métabolisme des acides aminés. C. rend. Soc. biol., 1934, 115: 437.—Dontcheff, L. Influence des injections d'insuline sur la vitesse d'oxydation de l'éthanol chez le rat. Ibid., 1939, 130: 1406-9.—Flandin, C. L'action de l'insuline sur l'azotémie et sur la cholestérinémie. Bull. méd., Par., 1925, 39: 983.—Gajda, J., & Chahovitch, X. Action de l'insuline sur le métabolisme de sommet. C. rend. Soc. biol., 1926, 94: 224.—Goldblatt, M. W., & Ellis, R. W. B. The effect of insulin on growth, nitrogen excretion and respiratory metabolism. Biochem. J., Lond., 1931, 25: 221-35.—Hitchcock, F. A., & Curtis, G. M. The effect of splanchnic resection on the metabolic response to insulin in a case of severe diabetes. Am. J. Physiol., 1936, 116: 76.—Isii, R., Matusima, H., & Taniuti, Y. Ueber den Einfluss des Insulins auf einige synthetische Vorgänge im tierischen Organismus. Fol. pharm. jap., 1929, 9: Brev. 1.—Issekutz, B., & Végh, F. [The effect of insulin; the effect upon the metabolism of tortoise] Magy. orv. arch., 1928, 29: 1-7.—Katayama, I., & Killian, J. A. Changes in the sugar, inorganic phosphorus, and lactic acid of animal and human blood after administration of insulin and of glucose. J. Biol. Chem., 1926-27, 71: 707-22.—Koplowitz, E. Wechselbeziehungen zwischen Kreatin- und Kohlehydratstoffwechsel; Einfluss subcutaner Insulininjektionen auf den Kreatinin- und Kreatinspiegel des Blutes. Zschr. klin. Med., 1930, 113: 605-10.—Krogh, A., & Brandt-Rehberg, P. The influence of insulin on metabolic processes. In Omelianky & Orbeli. Sborn. Pavlova, Leningr., 1924, 91: 103.—Larson, P. S., & Chaikoff, I. L. The effect of insulin on the excretion of allantoin by the normal dog. J. Biol. Chem., 1935, 108: 457-62.—Laser, H. Ueber den Stoffwechsel pankreasdiabetischer Gewebe und seine Beeinflussung durch Insulin. Biochem. Zschr., 1931, 241: 36-49.—Leszczynski, R. [Insulin and vitamin B] Polska gaz. lek., 1926, 5: 909.—Liaci, L. Variazioni quantitative del glutatone di tessuti in seguito a trattamento insulinico. Biochim. ter. sper., 1933, 20: 329-32.—Loeper, M., Soulié, P., & Tonnet, J. Insuline et oxalémie. C. rend. Soc. biol., 1931, 107: 589-91. Also Progr. méd., Par., 1931, 1253.—Maestri, O., & Cossu, B. Azione dell'insulina sull'aminocidemia nel diabete mellito. Minerva med., Tor., 1936, 27: pt 1, 395-402.—Martens, R. A propos de l'action de l'insuline sur l'aminocidémie. C. rend. Soc. biol., 1934, 115: 752-4.—Mirsky, I. A. Swadesh, S., & Ransohoff, J. Influence of insulin on amino acid utilization. Proc. Soc. Exp. Biol., N. Y., 1937-38, 37: 223-5.—Neuman, F. I., & Sokolov, A. V. [Relation of the pulmonary tissue of dogs to sugar and lactic acid of the blood following intravenous injections of insulin] Biull. eksp. biol. med., 1940, 9: 326-8.—Pavan, G. Curva glicemica e calcemia nel bambino sotto l'influenza dell'insulina. Riv. clin. pediat., 1936, 34: 481-531.—Rabinowitch, I. M., & Bazin, E. V. Simultaneously determined arterial and venous blood-sugars and respiratory quotient-time curves of diabetes following insulin administration. Brit. Exp. Path., Lond., 1926-27, 8: 302-6.—Ralli, E. P., & Sherry, S. Effect of insulin on plasma level and excretion of vitamin C. Proc. Soc. Exp. Biol., N. Y., 1940, 43: 669-72. — The effect of insulin on the metabolism of vitamin C. Am. J. Physiol., 1941, 133: 418.—Regener, E., & Pfotzer, G. Rôle of insulin in peripheral metabolism. Nature, Lond., 1934, 134: 325.—Rigó, L., & Frey, K. The influence of insulin and adrenalin upon the creatinine, creatine and phosphoric acid content of blood. Magy. orv. arch., 1934, 35: 189-93.—Schur, H., Löw, A., & Kréma, A. Die Wirkung des Insulins auf die provisorische Unterbringung resorbierter Kohlehydrate und Fette im Organismus. Wien. Arch. inn. Med., 1934, 25: 203-10, 3 tab.—Sebastiánelli, A. Insulina ed aleocolemia provocata. Arch. stud. fisiopat. ricambio, 1938, 6: 299-310; 367-81.—

Serono, C., & Montezemolo, R. Sul comportamento dell'alcoolemia dopo somministrazione di insulina. *Boll. Accad. med. Roma*, 1936, 62: 401-5. Also *Rass. clin. ter.*, 1936, 35: 169-72.—Siegmond, B., & Flohr, W. Ueber den Einfluss von Insulin auf den Alkoholsatz beim Menschen. *Klin. Wschr.*, 1937, 16: 1718-21.—Stadie, W. C. The chemical action of insulin upon the intermediary metabolism of isolated tissue of normal and pathological animals. *Yearb. Am. Philos. Soc.* (1939) 1940, 295. — The chemical action of insulin upon the intermediary metabolism of isolated surviving tissue of normal and pathological animals. *Ibid.* (1940) 1941, 254-6.—Stepp, W., & Sauer, J. Ueber den Einfluss des Insulins auf den Restkohlenstoff von Diabetikern. *Deut. Arch. klin. Med.*, 1929, 165: 232-4.—Wiechmann, E. Ueber den Einfluss des Insulins auf den Aminosäuregehalt von Blut und Harn beim Diabetiker. *Zschr. ges. exp. Med.*, 1924, 44: 158-67.—Zinsser, F. Zur Frage, ob das Insulin beim Gesunden auf die Ausscheidung von Gesamtstickstoff, Aminosäurestickstoff und kupferoxyd-reduzierenden Substanzen im Harn einen Einfluss hat. *Deut. Arch. klin. Med.*, 1926, 152: 219-26.—Zunz, E. Recherches sur l'influence de l'insuline sur la teneur du sang en glutathion réduit. *Ann. physiol. Par.*, 1931, 7: 314-7. — Influence de l'insuline sur la teneur du sang en glutathion réduit. *C. rend. Soc. biol.*, 1931, 108: 223-5. — Recherches sur la teneur du sang en glutathion sous l'influence de l'insuline. *Tr. Inst. théor. Brux.*, 1931-32, 24: No. 22, 65-84. Also *Arch. internat. physiol. Liège*, 1932, 35: 65-84. Also *Bull. Acad. méd. Belgique*, 1931, 5. ser., 11: 451-75.

Metabolic effect: Basal metabolism.

HOLTEN, C. *The respiratory metabolism in diabetics and the influence of insulin upon it. 77p. Kbh., 1925.

Also *J. Metab. Res.*, 1924, 6: 1-85.

Barone, V. G., & Costa, A. Metabolismo di base e quoziente respiratorio in diabetici, prima e durante la cura insulinica. *Arch. pat., Bologna*, 1932-33, 12: 43, ch.—Bayliss, L. E., Müller, E. A., & Starling, E. H. The action of insulin and sugar on the respiratory quotient and metabolism of the heart-lung preparation. *J. Physiol. Lond.*, 1928, 65: 33-47.—Bonsignore, A., & Cavaglione, L. Azione dell'insulina sulla quoziente respiratorio di animali florizanti e reni bloccati. *Biochim. ter. spert.*, 1936, 23: 106-17.—Bridge, E. M., & Winter, E. A. Diabetes, insulin action, and the respiratory quotient. *Bull. Johns Hopkins Hosp.*, 1939, 64: 257-72.—Elmer, A. W., Ptaszek, L., & Scheps, M. Action de l'insuline sur le métabolisme basal dans le diabète sucré. *C. rend. Soc. biol.*, 1930, 104: 543. — Der Grundumsatz und die spezifisch-dynamische Eiweißwirkung bei Diabetes mellitus und ihre Beeinflussung durch Insulin. *Zschr. ges. exp. Med.*, 1930, 71: 722-40.—Feyerabend, H. Ueber den Grundumsatz beim Diabetes mellitus und seine Beeinflussung durch Insulin. *Klin. Wschr.*, 1924, 3: 17-9.—Hédon, L. La dépense de fond dans le diabète pancréatique expérimental d'après les échanges gazeux; action de l'insuline sur cette dépense. *C. rend. Acad. sc.*, 1924, 178: 146-8. — A propos de l'action de l'insuline sur le métabolisme basal dans le diabète sucré. *Ibid.*, 1930, 103: 132-4.—Heymans, C., & Matton, M. Influence de l'insuline sur les échanges respiratoires du lapin hyperglycémique. *Ibid.*, 1924, 90: 1288.—Holten, C. [The basal metabolism in diabetics and the influence of insulin upon it] *Bibl. lager*, 1926, 128: 103-19. — Additional investigation into the effect of insulin on the respiratory metabolism. *Acta med. scand.*, 1929, 71: 285-300. — [Further researches on the influence of insulin on respiratory metabolism] *Bibl. lager*, 1929, 121: 49-67.—Issekutz, B., & Végh, F. Beiträge zur Wirkung des Insulins; Wirkung auf den Gasstoffwechsel der Schildkröte. *Biochem. Zschr.*, 1928, 192: 383-9.—Laroche, G., Dauptain & Tacquet. Influence de l'insuline sur le quotient respiratoire des diabétiques. *C. rend. Soc. biol.*, 1923, 89: 1221; 1924, 90: 8.—Laufberger, V. Versuche über die Insulinwirkung; Einfluss der niedrigen Aussentemperatur auf den respiratorischen Stoffwechsel des mit Insulin vergifteten Kaninchens. *Zschr. ges. exp. Med.*, 1926, 50: 761-5.—Olmsted, J. M. D., & Harvey, J. M. The respiratory exchange in frogs during muscular exercise and after injection of insulin. *Am. J. Physiol.*, 1926, 78: 28-33.—Reiss, M., & Weiss, R. Der Einfluss des Insulins auf den Gaswechsel. *Zschr. ges. exp. Med.*, 1926, 49: 276-93.—Taylor, A. C., & Olmsted, J. M. D. The effect of insulin on the respiratory exchange of decerebrate and decapitate cats. *Am. J. Physiol.*, 1926, 78: 17-27.—Villa, L. Applicazioni cliniche della ricerca del metabolismo basale; nel diabete mellito e nel suo trattamento compreso quello insulinico. *Probl. nutriz.*, Roma, 1924, 1: 137-54.

Metabolic effect: Body weight.

See also under Insulin therapy.

KÜPPERS, K. [H.] *Der Einfluss der Ernährungslage auf die Grösse des Grundumsatzes und der spezifisch-dynamischen Nahrungswirkung (Beitrag zur Kenntnis des Stoffwechsels im Laufe der Insulinmast) [Freiburg] 35p. 8° Berl., 1931.

Holbøll, S. A. [Influence of insulin treatment on body weight in patients with diabetes mellitus] *Bibl. lager*, 1929, 121: 261-79.—Judina, M. F. [Effect of insulin on the variability of weight in hens and pullets] In *Probl. Zootechn. Exp. Endocr.* (Zavadovsky, B. M.) Moskva, 1935, 2: 311-20.—Katu, Y. Effect of insulin upon the body weight of immature and premature infants. *Jap. J. Obst.*, 1930, 13: 567-71.—Krauss, E., & Küppers. Der Einfluss der Ernährungslage auf die Grösse des Grundumsatzes und der spezifisch-dynamischen Nahrungswirkung (Beitrag zur Kenntnis des Stoffwechsels im Laufe der Insulinmast) *Zschr. klin. Med.*, 1931, 118: 64-97.—Löw, A., & Kréma, A. Insulin und Nahrungsdepots. *Biochem. Zschr.*, 1929, 206: 360-8.—Long, M. L., & Bischoff, F. The effect of insulin upon the body weight in the rabbit. *J. Nutrit.*, 1929-30, 2: 245-9.—Macleod, J. J. R., Magee, H. E., & Middleton, W. Insulin and increase in weight of young animals. *Biochem. J. Lond.*, 1930, 24: 615-8.—Nobécourt, P. Le poids des enfants diabétiques traités par l'insuline. *Arch. méd. enf.*, 1925, 28: 23-9.—Osgood, C. W. Effect of insulin on weight of patients with psychiatric disorders. *Proc. Centr. Soc. Clin. Res.*, 1942, 15: 62.

Metabolic effect: Glucid metabolism.

See also Blood sugar, Regulation; Carbohydrates, Metabolism: Regulation; Insulin therapy, Hypoglycemia.

DIEBEL, H. *Ueber den Einfluss des Insulins auf den intermediären Kohlenhydratabbau [Münster] 16p. 8° Werne-Lippe, 1936.

RADT, P. *Ueber die mangelnde Beeinflussbarkeit der Mutarotation der Glucose und α -Fructose durch Insulin. p.178-196. 8° Berl., 1927.

Also *Biochem. Zschr.*, 1927, 188:

Andreewa, M. P., & Baranov, V. G. [The effect of insulin on the sugar in the blood in diabetes] *Vrach. delo*, 1928, 11: 1311-4.—Aulde, J. Cytoglycopenia; colloidal calcium in diabetes mellitus; cellular glucose impoverishment. *Am. Physician*, 1926, 31: 321-6.—Baker, S. L., Dickens, F., & Gallimore, E. J. The glycolytic action of some tumours and the effect of insulin. *Brit. J. Exp. Path.*, 1929, 10: 19-26.—Basch, F., & Pollak, L. Ueber das Verhalten körperfremder Zuckerarten unter Insulinwirkung; über den Einfluss des Insulins auf die Assimilationsgrenze verschiedener Zucker. *Arch. exp. Path., Lpz.*, 1927, 125: 89-101.—Berg, B. N., Gross, J. [et al.] Blood sugar curves in normal and diabetic dogs after intravenous injection of insulin. *Proc. Soc. Exp. Biol.*, N. Y., 1934-35, 32: 1080-2.—Bodansky, A. Effects of dosage and previous diet on blood sugar curves in sheep after intravenous administration of insulin. *Ibid.*, 1923-24, 21: 416.—Bonomini, B. Azione dell'insulina sull'iperglicemia operatoria. *Riforma med.*, 1929, 45: 283-7.—Caizzone, G. Azione dell'insulina in vitro sul tasso glicemico in presenza di vari tessuti. *Biochim. ter. spert.*, 1936, 23: 142-5. — & Luppino, G. Azione dell'insulina in vitro sul tasso glicemico in presenza di vari tessuti. *Arch. farm. spert.*, Roma, 1936, 62: 131-56.—Casale, R., Galamini, A., & Seriani, E. L'azione dell'insulina sul tasso glicemico in rapporto con la funzione polmonare. *Boll. Accad. med. Roma*, 1934, 60: 341-56.—Chahovitch, X. Glycolyse du sucre du sang in vitro; action de l'insuline. *Ann. physiol. Par.*, 1926, 2: 7-15. — Arnov-jevitch, V., & Vichnitch. L'action combinée de l'insuline et de la peptone sur la glycémie chez le lapin. *C. rend. Soc. biol.*, 1927, 96: 1113.—Chaudhuri, H., & Kahali, B. S. The rate of absorption of glucose from the gastrointestinal tract of the cat and the influence of insulin on the absorption coefficient. *Ind. J. M. Res.*, 1935-36, 23: 963-71.—Chiti, G. Azione dell'insulina sulla emoglobolisi in condizioni normali e nel diabete. *Minerva med.*, Tor., 1935, 26: pt 1, 110-7.—Combes, T. J. C. Action de l'insuline sur la glucose in vitro. *C. rend. Soc. biol.*, 1927, 97: 268-70. Also *Rev. med.*, Rosario, 1926, 1: 158-61. Also *Rev. Soc. argent. med.*, 1927, 3: 134-8.—Cori, C. F., Cori, G. T., & Goltz, H. Comparative study of the blood sugar concentration in the liver vein, the femoral artery and the femoral vein during insulin action. *Proc. Soc. Exp. Biol.*, N. Y., 1923-24, 21: 121.—Cori, C. F., Pucher, G. W., & Bowen, B. D. Comparative study of the blood sugar concentration in the arterial and venous blood of diabetic patients during insulin action. *Ibid.*, 1922.—Curatolo, A. Azione dell'insulina in vivo ed in vitro sulla glicolisi dei globuli sanguigni. *Boll. Soc. ital. biol. spert.*, 1936, 11: 264.—De Lucia, P., & Torella, M. L'utilizzazione del galattosio nei cani ed azione dell'insulina. *Arch. sc. biol.*, Bologna, 1932-33, 17: 422-33.—De Nayer, P. P., Van Oostveldt, M. [et al.] Disparition du glucose sous l'influence de l'insuline. *Ann. physiol. Par.*, 1939, 15: 828-30.—Depisch, F., & Hasenöhrl, R. Untersuchungen im capillaren und venösen Blut nach Zuckerbelastung und nach Insulinzufuhr. *Klin. Wschr.*, 1929, 8: 1943-8.—Eschweiler, H. Ueber den Einfluss des Insulins auf den Blutzuckerspiegel während der Aetheranarkose. *Arch. exp. Path.*, Berl., 1931, 161: 21-33.—Ferrannini, A. Ricerche sulla curva glicemica da insulina. *Minerva med.*, Tor., 1936, 27: pt 1, 475-80.—Fontès, G., & Thivolle, L. L'action hypoglycémisante de l'insuline. *C. rend. Soc. biol.*, 1929, 101: 173-5.—Forti, C. L'azione dell'insulina sulla glicemia nell'ipertermia esogena.

- Boll. Accad. med. Roma, 1937, 63: 260-72.—Greeley, P. O., Martin, H. E., & Hallman, L. F. Diabetes mellitus; disposal of glucose at high and normal blood sugar levels under action of insulin. J. Clin. Endocr., 1942, 2: 590-4.—Gutowski, B., & Wasilkowska, H. Variation quantitative du sucre dans le sang et dans le liquide céphalorachidien sous l'influence de l'insuline. C. rend. Soc. biol., 1926, 94: 549-51.—Harpuder, K. Ueber Zuckerfixation durch rote Blutkörperchen und Insulinwirkung. Klin. Wschr., 1928, 7: 266. — Ueber Insulinwirkung und Glukosefixation. Verh. Deut. Ges. inn. Med., 1928, 40. Kongr., 229.—Hattori, M. Der Einfluss des fremden Eiweißkörpers auf die blutzuckersenkende Wirkung von Insulin bei Diabetikern. Mitt. Med. Akad. Kioto, 1935, 14: 633-8.—Heim, J. W., & Berg, B. N. The sugar in blood and subcutaneous lymph following insulin administration. Am. J. Physiol., 1933, 105: 674-7.—Hynd, A. The effect of certain sugar derivatives on insulinized mice. Biochem. J., Lond., 1927, 21: 1091-3.—Kahn, S. H. Reduction of human blood sugar by means of insulin. Boston M. & S. J., 1924, 191: 161-8.—Kan, R. The influence of insulin on vitamin C and carbohydrate metabolism in diphtheria toxin treated rabbits. Tr. Soc. path. Jap., 1939, 29: 584-6.—Képinov, L., & Petit-Dutailis, S. Etudes physiologiques sur l'insuline; action hyperglycémisante du sang de chien diabétique. Arch. internat. physiol., Liège, 1931, 34: 58-100.—Kleiner, I. S., Birnkrant, H., & Rothman, T. The effect of insulin upon the rate of dialysis of diabetic blood sugar. Endocrinology, 1930, 14: 226-8.—Kogan, V. M. Pikrotoxin-Hyperglykämie und Insulin. Deut. med. Wschr., 1924, 50: 634.—Komissarenko, V. P. [Effect of insulin, administered simultaneously with lysates per os, on the sugar level in normal and diabetic dogs] Vrach. delo, 1936, 19: 1097-102. — & Marchuk, R. J. [Effect of insulin on the metabolism of carbohydrate components in cerebral and muscular tissue] Probl. endokr., Moskva, 1940, 5: No. 3, 28-35.—Krzyszewek, F. W., & Hofmann, K. Untersuchungen über den Kohlehydratstoffwechsel des kleinen Vierfüßlers; die Wirkung des Insulins auf den normalen und erhöhten Blutzucker des Schafes. Arch. wiss. prakt. Tierh., 1937, 72: 181-90.—Labbé, M. L'action de l'insuline dans le diabète grave, mesure de la capacité d'utilisation hydrocarbonée. Monde méd., Par., 1927, 37: 649-51.—Lawrence, R. D. Effect of insulin on the sugar content of arterial and venous blood in diabetes. Brit. M. J., 1924, 1: 516.—Lega, G. Comportamento della glicemia sperimentale nel diabete mellito nel corso della terapia insulinica. Arch. farm. sper., 1930-31, 51: 33-40.—Lesser, E. J., & Ammon, R. Der Kohlehydratstoffwechsel der weissen Maus mit und ohne Insulin. Biochem. Zschr., 1928, 202: 294-8.—Lombroso, U., & Di Frisco, S. Azione degli estratti di insulina di Langerhans sulla glicemia. Boll. Soc. biol. sper., 1926, 1: 423-6.—Lundsgaard, C., & Holboell, S. A. L'action de l'insuline et du tissu musculaire sur le fructose in vitro: études sur les échanges en hydrates de carbone. C. rend. Soc. biol., 1926, 95: 50-2. — Investigations into the action of live, tissue and insulin on glucose in vitro. J. Biol. Chem., 1926, 68: 485-97. — Studies in carbohydrate metabolism; continued investigations into the influence of insulin and muscle tissue on glucose in vitro. Ibid., 70: 71-77.—Marble, A., Fernald, A. T., & Smith, R. M. Effect of human diabetic plasma upon blood sugar curves in rabbits following insulin. Endocrinology, 1940, 26: 735-42.—Mauriac, P., & Traissac, M. L'instabilité de la glycémie au cours de la cure par l'insuline chez certains enfants diabétiques. Paris méd., 1934, 93: 14-7.—Meythaler, F. Zur Frage der Kohlehydratverteilung bei der Insulintherapie. Klin. Wschr., 1933, 12: 533-5.—Matukha, B. Mécanisme de la diminution du sucre sanguin sous l'action de l'insuline. C. rend. Soc. biol., 1928, 89: 1178.—Neumüller, F. Wirkung des Insulins auf den Blutzucker bei gesunden Säuglingen (D25). Arch. Kinderh., 1938, 114: 107-16.—Nitzescu, I. I., & Popescu-Inotesti, C. L'insuline et le sucre protéidique dans le diabète expérimental. C. rend. Soc. biol., 1924, 90: 536.—Paschakis, K. E., & Cantarow, A. Sugar content of blood, lymph and artificial peritoneal fluid following injection of insulin. Endocrinology, 1943, 32: 41-5.—Pico Estrada, O., & Morera, V. La glucosa de la linfa y sus variaciones por la acción de la insulina. Prensa méd. argent., 1926, 13: 269-74. — & Deulofeu, V. Acción de la floridina sobre la glucosa linfática; su modificación por la insulina. Ibid., 390-2.—Plattner, F. The influence of insulin on the blood sugar in the heart-lung preparation. J. Physiol., Lond., 1924-25, 59: 289-92.—Poggio, G. Studio comparativo fra glicemia, glicosuria, corpi chetonici urinari, quoziente respiratorio nei diabetici sottoposti a trattamento insulinico. Riforma med., 1924, 40: 1129-33.—Polak, L. Beiträge zum Mechanismus der Insulinwirkung; über die Resorption intra-peritoneal injizierter Zuckerarten unter dem Einfluss von Insulin. Klin. Wschr., 1926, 5: 2215. — Ueber das Verhalten körperfremder Zuckerarten unter Insulinwirkung; über die Resorption intraperitoneal injizierter Zuckerarten unter dem Einfluss von Insulin. Arch. exp. Path. Lpz., 1927, 125: 102-28. — & Basch, F. Beiträge zum Mechanismus der Insulinwirkung; über den Einfluss des Insulins auf die Assimilationsgrenze verschiedener Zuckerarten. Klin. Wschr., 1926, 5: 2214.—Polonovski, M., Bizard, G. [et al.] Influence de l'injection périphérique d'insuline sur la glycémie d'un membre isolé de la circulation générale. C. rend. Soc. biol., 1937, 124: 77.—Roncato, A. Iperglycemia curaria e insulina. Arch. sc. biol., Nap., 1926-27, 9: 291-304.—Sachetto, I. Azione dell'insulina atossica sulla glicemia (ricerche sperimentali) Ann. clin. med., Pal., 1926, 16: 389-403.—Schlichting, H. Experimentelle Untersuchungen über den Einfluss des Insulins auf den Verlauf der alimentär-hyperglykämischen und -hyperalkoholämischen Kurve. Zschr. ges. exp. Med., 1935, 97: 60-4.—Schlossmann, H. The carbohydrate metabolism of the foetal dog under the influence of insulin. J. Physiol., Lond., 1938, 92: 219-27.—Schneller, P. Ueber die Linksdrehung des Urins bei Insulinkuren Nichtdiabetischer. Mschr. Geburtsh. Gyn., 1927, 77: 12-5.—Singer, W. Beitrag zur Kenntnis der Insulinwirkung auf Alkalireserve und Blutzucker im Koma diabeticum. In Festschr. 70. Geburtst. Hermann Sali, Basel, 1926, 319-28.—Tathi, H. A propos de l'action de l'insuline sur l'hyperglycémie hémorragique. Tohoku J. Exp. M., 1928, 10: 420-5.—Uselli, F. Azione dell'insulina sulla glicemia del preparato pneumo-cardio-viscerale. Boll. Soc. ital. biol. sper., 1927, 2: 497-501.—Vendég, V. Das Schicksal des verschwundenen Zuckers bei der Insulinwirkung. Arch. ges. Physiol., 1936, 237: 683-98.
- **Metabolic effect: Glucid metabolism: Carbohydrate tolerance.**
- Appel, J. W., & Hughes, J. The effect of large doses of insulin on glucose tolerance. Am. J. M. Sc., 1940, 199: 829-33.—Brace, W. M. Insulin and carbohydrate tolerance. Contr. M. Sc. A. S. Warthin, Ann Arbor, 1927, 475-84.—Cori, C. T., & Cori, C. F. The influence of insulin on the tolerance for intravenously injected glucose and fructose. Proc. Soc. Exp. Biol., N. Y., 1925-26, 23: 461-3.—Joslin, E. P. Insulin and carbohydrate tolerance. Ann. Int. M., 1928-29, 2: 1001-12.—Kantitz, H. R. Ueber die Wirkung des Insulins auf den Verlauf der alimentär-hyperglykämischen und alimentärhyperalkoholämischen Kurve. Arch. exp. Path., Berl., 1936, 183: 380-6.—LeFevre, W. M. Evidence concerning the effect of insulin on carbohydrate tolerance. Ann. Int. M., 1927-28, 1: 607-12.—Maher, J. T., & Sclerogly, M. Effect of insulin on carbohydrate tolerance of nondiabetic individuals. Proc. Soc. Exp. Biol., N. Y., 1937-38, 37: 615-8.—Marino, S. La glicemia alimentare nel diabete latente con particolare riguardo al suo comportamento nel diabete vero prima e dopo la cura insulinica. Diagn. tecn. lab., Nap., 1934, 5: 207-33.—Mason, E. H. Insulin, carbohydrate tolerance, and weight. Med. Clin. N. America, 1923-24, 7: 1761-8.—Müller, P. Ueber das Verhalten der Toleranz bei Diabetikern nach Insulinbehandlung. Deut. Arch. klin. Med., 1927, 155: 26-42.—Nyklinski, M. [Metabolism and respiration in glucose supercharge in diabetics and normal subjects, also the effect of insulin] Polsk. arch. med. wewn., 1938, 16: 451.—Odin, M. Decreased carbohydrate tolerance after insulin treatment of nondiabetic persons. Acta med. scand., 1936, Suppl. 78, 713-23.
- **Metabolic effect: Glucid metabolism: Physiology.**
- Abderhalden, E. Ergänzung zu der Mitteilung zur Erkenntnis der Biokatalysatoren des Kohlehydratumsatzes, von Hans von Euler und Karl Myrback. Zschr. physiol. Chem., 1926, 151: 165.—Best, C. H. The role of insulin in carbohydrate metabolism. J. Maine M. Ass., 1925, 16: 195-202.—Hoet, J. P., & Marks, H. P. The fate of sugar disappearing under the action of insulin. Proc. R. Soc., Lond., 1926-27, ser. B, 100: 32-54.—Lundsgaard, C., & Holboell, S. A. Recherches sur les propriétés du complément de l'insuline trouvé dans le tissu musculaire; études sur les échanges en hydrates de carbone. C. rend. Soc. biol., 1926, 94: 127. — & Gottschalk, A. Studies in carbohydrate metabolism; investigations into the properties of insulin complement. J. Biol. Chem., 1926, 70: 89-95.—Perchik, R. M. [Effect of insulin on the carbohydrate metabolism in the lungs] Klin. med., Moskva, 1938, 16: 228-31. Also Radianska med., 1938, 3: No. 5, 85-8.—Soga, T. Ueber die Beziehung der Leber und des Pankreas zur Insulinwirkung auf den Blutzucker und das Muskelglykogen. Jap. J. M. Sc., 1938, 11: Proc. Pharm., 69-73.—Sopp, J. W., & Selbach, H. Untersuchungen zur Frage der Insulinwirkung auf die Umwandlung von Kohlehydrat in Fett. Arch. ges. Physiol., 1932-33, 231: 543-62.—Tuttle, G. H. The mechanism of insulin in carbohydrate metabolism. Med. Rec., N. Y., 1935, 142: 459-63.—Wierzychowski, M. Intermediary carbohydrate metabolism influence of insulin on levulose and glucose intravenously administered. J. Biol. Chem., 1926, 68: 631-52.
- **Metabolic effect: Glycogen.**
- Didier, H. *Foie et insuline: recherches expérimentales sur les destinées du glycogène hépatique; insuline et fonction lipogénique du foie. 58p. 8° Par., 1936.
- Bach, S. J., & Holmes, E. G. The effect of insulin on carbohydrate formation in the liver. Biochem. J., Lond., 1937, 31: 89-100.—Barbour, A. D., Chaikoff, I. L. [et al.] Influence of insulin on liver and muscle glycogen in the rat under varying nutritional conditions. Am. J. Physiol., 1927, 80: 243-72.—Bindi, D. L'influence de l'insuline sur le glycogène hépatique. Arch. ital. biol., 1924, 74: 141-5.—Bodo, R. C., & Neuwirth, I. The relation of insulin to liver glycogen. Am. J. Physiol., 1933, 103: 5-17.—Bornstein, S. Histologische Glykogenbedeutung in Leber und Nieren bei mit Insulin behandelten Diabetikern. Zschr. ges. exp. Med., 1929, 66: 623-34.—Brentano, C. Der Einfluss des Insulins auf die Glykogenbildung aus

Traubenzucker beim Normaltier. *Klin. Wschr.*, 1939, 18: 42-6.—**Bridge, E. M.** The action of insulin on glycogen reserves. *Bull. Johns Hopkins Hosp.*, 1938, 62: 408-21.—**Bürger, M., & Kohl, H.** Ueber kristallinisches Insulin; über die Einwirkung kristallinischen Insulins auf den Glykogengehalt der Leber. *Arch. exp. Path., Berl.*, 1935, 178: 269-81.—**Cori, C. F.** Bemerkungen zu der Arbeit von O. Ehrismann, betreffend den Einfluss des Insulins auf das Leberglykogen. *Arch. exp. Path., Berl.*, 1927, 125: 381-3.—**Corkill, B.** The influence of insulin on the distribution of glycogen in normal animals. *Biochem. J., Lond.*, 1930, 24: 779-94.—**The influence of insulin on the liver glycogen of the common grey Australian opossum (Trichosurus)** *J. Physiol., Lond.*, 1932, 75: 29-32.—**Dick, A.** Ueber den Glykogengehalt der Leber bei Diabetes mellitus nach Insulinbehandlung. *Schweiz. med. Wschr.*, 1927, 57: 755-9.—**Edelmann, H.** Ueber den Einfluss des Insulins auf den Glykogengehalt in Leber, Herz und Skelettmuskulatur. *Beitr. path. Anat.*, 1926, 75: 589-602.—**Evans, G.** The effect of insulin on cardiac and liver glycogen. *Am. J. Physiol.*, 1941, 134: 798-802.—**Fiessinger, N.** [Insulin and glycogen] *Rev. st. med., Bucur.*, 1940, 29: 411-30.—**Geiger, E.** Einfluss des Insulins auf den Glykogenhaushalt der Froscheleber. *Arch. exp. Path., Berl.*, 1935-36, 180: 251-7.—**Gemmell, C. L.** The effect of insulin on muscle glycogen in vitro. *Am. J. Physiol.*, 1939, 126: 499.—**The effect of insulin on the glycogen content of isolated muscles.** *Bull. Johns Hopkins Hosp.*, 1940, 66: 232-44.—**Geriola, F.** Comportamento del glicogeno epatico e muscolare nel corso di gravi iperinsulinismi sperimentali provocati. *Acad. med., Genova*, 1938, 53: 225-30.—**Grevenstuck, A., & Laqueur, E.** Ueber den Glykogengehalt der Leber von Kaninchen unter Insulinwirkung, insbesondere nach Erfahrungen mit dem abstrahbaren Bauchfenster. *Biochem. Zschr.*, 1926, 173: 283-8.—**Hebb, C. O.** The effect of injected insulin on the storage of glycogen in the pancreas and liver. *Q. J. Exp. Physiol., Lond.*, 1937-38, 27: 237-48.—**Képinov, L.** Sur l'action antiglycogénolique de l'insuline. *C. rend. Acad. sc.*, 1937, 205: 88-90.—**Nouvelles recherches sur l'action antiglycogénolique de l'insuline; suppression de l'effet antiglycogénolique de l'insuline par l'extrait antihypophysaire.** *Ibid.*, 1938, 128: 331-4.—**Lawrence, R. D.** The action of insulin in glycogen formation and its therapeutic application. *Q. J. Med., Oxf.*, 1926-27, 20: 69-86.—**Lohmann, R.** Zur Wirkung des Insulins auf die Zuckerverwertung im Glykogenzerfall; Gasstoffwechselversuche. *Zschr. klin. Med.*, 1938-39, 135: 505-8.—**Maniscalco, G.** Azione dell'insulina sul glicogeno epatico. *Boll. Soc. biol. sper.*, 1926, 1: 426-8.—**Markowitz, J.** The glycogenic function of skeletal muscle in the dehepated dog, with special reference to the rôle of insulin therein. *Proc. Mayo Clin.*, 1928, 3: 328.—**Nielsen, N. A.** Die Wirkung des Insulins auf den Glykogengehalt der perfundierten Kaninchenleber. *Biochem. Zschr.*, 1931, 230: 259-68.—**Pauls, F., & Drury, D. R.** The influence of insulin upon glycogen storage in the diabetic rat. *J. Biol. Chem.*, 1942, 145: 481-5.—**Pogány, K.** Insulin und Glykogenbildung. *Biochem. Zschr.*, 1927, 187: 72-7.—**Rathery, F., Gibert, S., & Laurent, Y.** Insuline et glycogène. *Ann. physiol., Par.*, 1932, 8: 492-534.—**Rathery, F., Kourilsky, R., & Gibert, S.** Les variations précoces du glycogène du foie et du muscle chez le chien normal et phloriziné, sous l'influence de l'insuline. *C. rend. Soc. biol.*, 1930, 103: 474.—**Root, R. W., Hall, F. G., & Gray, I. E.** The influence of insulin on glycogen distribution in marine fishes. *J. Biol. Chem.*, 1931, 91: 27-35.—**Rubino, P., Varela, B., & Collazo, I. A.** Vergleichende Versuche über die Wirkung des Insulins und des Synthalins auf die Glykogenmenge der Leber und des Muskels. *Klin. Wschr.*, 1928, 7: 2186-90.—**Sakamaki, K.** Zur Frage der glykogenfixierenden Wirkung von Insulin bei nichtdiabetischen Körpern. *Tohoku J. Exp. M.*, 1937, 31: 197-220.—**Sinai, A. I.** [Effect of insulin on the glycogen of the liver and muscles in spontaneous cancer of mice] *Arkhy. pat. anat., Moskva*, 1941, 7: 85-9.—**Warren, S.** The effect of insulin on pathologic glycogen deposits in diabetes mellitus. *Am. J. M. Sc.*, 1930, 179: 482-8.—**Zagami, V.** Sul comportamento del glicogeno di vari segmenti del sistema nervoso centrale e di vari organi toracici e addominali sotto la azione dell'insulina. *Arch. fisiol., Fir.*, 1936-37, 36: 475-96.

Metabolic effect: Glycosuria.

Craddock, F. H., jr., & Wilson, J. C. Reducing substances of the normal urine; effects of insulin injection. *Proc. Soc. Exp. Biol., N. Y.*, 1938-39, 39: 119-21.—**Dünner, L., & Mecklenburg, M.** Klinisch experimentelle Untersuchungen mit Phlorizin; der Einfluss des Insulins auf die Phlorizinglykosurie beim Menschen. *Zschr. ges. exp. Med.*, 1927, 58: 523.—**Fricke, G.** Glykosurie und Insulin. *Ibid.*, 1929, 64: 81-94.—**Harmlessness (The)** of glycosuria for a patient treated with protamine zinc insulin. *J. Am. M. Ass.*, 1942, 119: 1203.—**Rathery, F., & Laurent, Y.** Les effets de l'insuline sur la glycosurie phlorizique chez le chien normal. *C. rend. Soc. biol.*, 1931, 108: 643-5.—**Rocha, O.** Action de l'insuline sur la glycosurie et l'acétonurie. *J. méd. Paris*, 1924, 43: 1090-2.—**Shoji, T.** Studien über Flüssigkeitsaustausch; über den Einfluss des Insulins auf die Zuckerausscheidung in der Niere. *Tohoku J. Exp. M.*, 1936, 28: 572-86.

Metabolic effect: Heat regulation.

Ceruti, G., & Sapegno, E. Azione dell'insulina sulla termoregolazione. *Boll. Soc. ital. biol. sper.*, 1930, 5: 905.—**Dünner, L.** Experimentelle Untersuchungen über den Einfluss von Insulin

auf die Körperwärme. *Arch. exp. Path., Berl.*, 1933, 173: 710-21.—**Insulin und Wärmehaushalt.** *Klin. Wschr.*, 1934, 13: 22.—**Geiger, E.** Insulin und Wärmeregulation. *Arch. ges. Physiol.*, 1932, 229: 578-87.—**Sapegno, E., & Ceruti, G.** Action de l'insuline sur la température cutanée et générale du lapin. *Arch. ital. biol.*, 1932-33, 89: 31-44. Also *Arch. sc. biol.*, Bologna, 1932-33, 17: 403-21.

Metabolic effect: Keton bodies.

Burn, J. H., & Ling, H. W. The effect of insulin on acetoneuria. *J. Physiol., Lond.*, 1928, 65: 191-203.—**Costa, A.** Chetoneuria da insulina. *Minerva med.*, Tor., 1933, 24: pt 1, 303.—**Di Prisco, L.** Influenza dell'acetone sulle modificazioni glicemiche da insulina e sul potere glicolitico del sangue in vitro. *Biochim. ter. sper.*, 1936, 23: 443-51.—**Freise, R., & Boeringer, H.** Zur Frage der Insulinwirkung auf die Ketonurie beim Kinde. *Mtschr. Kinderh.*, 1926, 32: 269-72.—**Killian, J. A.** The antiketogenic influence of insulin in diabetes. *Proc. Soc. Exp. Biol., N. Y.*, 1923-24, 21: 22-4. Also *J. Lab. Clin. M.*, 1925-26, 11: 1132-9.—**Löw, A., & Kréma, A.** Die Insulinwirkung auf die Azetonkörper. *Wien. Arch. inn. Med.*, 1933-34, 24: 455-62.—**Mirsky, I. A.** The source of blood acetone and the site of the antiketogenic action of insulin. *Am. J. Physiol.*, 1936, 116: 110.—**The site and mechanism of the antiketogenic action of insulin.** *Ibid.*, 322-6.—**Salomonsen, L.** Effects of insulin and epinephrine on the blood acetone in fasting children. *Am. J. Dis. Child.*, 1930, 40: 718-24.—**Sick, W., & Weichsel, M.** Zur Frage der Insulin-Ketonurie im Kindesalter. *Mtschr. Kinderh.*, 1933, 58: 383-7.—**Somogyi, M.** Ketosis caused by overdoses of insulin. *J. Biol. Chem.*, 1940, 133: Proc. 93.—**Stadie, W. C., Zapp, J. A., jr., & Lukens, F. D. W.** The effect of insulin upon the ketone metabolism of normal and diabetic cats. *Ibid.*, 132: 423-43.—**Stark, I. E., & Somogyi, M.** The effect of insulin upon the quantitative relationship between β -hydroxybutyric acid and acetoacetic acid in blood and urine. *Ibid.*, 1943, 147: 731-6.—**Supniewski, J. V.** The influence of insulin on the acetaldehyde formation in the body of animals. *Ibid.*, 1926, 70: 13-27.

Metabolic effect: Lactic acid.

HECKSCHER, R. *Ueber enzymatische Milchsäurebildung; ein Beitrag zur Wirkungsweise des Insulins [München] 105p. 8°. Borna-Lpz., 1927.

Case, E. M., & McCullagh, D. R. Pancreatic extracts in relation to lactic acid formation in muscle. *Biochem. J., Lond.*, 1928, 22: 1060-70.—**Collazo, J. A., & Almela, J.** Insulina y lactacidemia. *Med. iberica*, 1934, 28: pt 1, 557-62.—Also *Ann. méd., Par.*, 1935, 38: 371-82.—**Collazo, J. A., & Lewicki, I.** Sur le taux de l'acide lactique dans le sang des diabétiques et ses variations sous l'influence de l'insuline. *Ibid.*, 1925, 18: 153-65.—**Der Milchsäurestoffwechsel bei Diabetikern und seine Beeinflussung durch Insulin.** *Deut. med. Wschr.*, 1925, 51: 600-3.—**Collazo, J. A., Puyal, J., & Torres, I.** Diabetes y lactacidemia (acción de la insulina). *Med. iberica*, 1934, 28: pt 2, 755-8.—**Friesz, J., & Mohos, E.** [Effect of insulin upon the lactic acid in blood] *Orv. hetil.*, 1934, 78: 907. Also *Zschr. klin. Med.*, 1934, 127: 281-3.—**McCullagh, D. R.** The nature of the action of pancreatic extract on the inhibition of lactic acid formation in muscle. *Biochem. J., Lond.*, 1928, 22: 402-6.—**Tolstoi, E., Loebl, R. O.** [et al.] The production of lactic acid in diabetes following the administration of insulin. *Proc. Soc. Exp. Biol., N. Y.*, 1923-24, 21: 449-52.—**Velicogna, A.** Sull'influenza dell'insulina sulla concentrazione dell'acido lattico del sangue nei diabetici. *Riv. pat. sper.*, 1932-33, 8: 46-9.

Metabolic effect: Lipid metabolism.

See also **Lipocaic.**

Arndt, H. J. Insulin und Cholesterin. *Arch. exp. Path., Lpz.*, 1926, 119: 254-8.—**Casolo, G.** Il quoziente lipidico del sangue Colesterina/Lecitina nel diabete mellito prima e dopo trattamento insulinico. *Clin. med. ital.*, 1933, 63: 405-17.—**Christomanos, A. A.** Ueber den Einfluss des Insulins auf die Fettverteilung im Serum. *Biochem. Zschr.*, 1929, 214: 482-7.—**Ciacio, C., & Baroni, B.** Azione dell'insulina sulla liposidasi da fosforo. *Boll. Soc. ital. biol. sper.*, 1934, 9: 135-7.—**Decourt, J.** Cholestérinémie et insuline. *Progr. méd., Par.*, 1925, 40: 1422.—**Dirr, K., & Hoffmann, P.** Die Lipämie beim menschlichen Diabetes unter Insulinbehandlung und die Lipämie beim Aderlass von Kaninchen. *Zschr. ges. exp. Med.*, 1936-37, 100: 250-65.—**Elmer, A. W., & Scheps, M.** Die Wirkung des Insulins auf die Lipochromämie und die Xanthosis diabetica. *Klin. Wschr.*, 1929, 8: 300-2.—**Fellegi, G.** L'insuline et l'hypercholestérinémie. *Ann. méd., Par.*, 1927, 22: 330-44.—**Fonseca, F.** Ueber den Einfluss des Insulins auf die Lipämie beim Diabetes sowie über deren Beziehungen zu Azidose und Glykämie. *Deut. med. Wschr.*, 1924, 50: 362.—**Hepner, J., & Wagner, O.** Insulin und Fettstoffwechsel; ein Beitrag zur Theorie der Insulinwirkung. *Biochem. Zschr.*, 1927, 189: 322-30.—**Hotta, S.** Fettbestand der pankreusdiabetischen Hunde und dessen Veränderung bei Insulin- und Zuckerbehandlung. *Tohoku J. Exp. M.*, 1932-33, 20: 79-92.—**Kaplan, A., Entenman, C., & Chaikoff, I. L.** Effects of insulin on the blood lipids of man. *Endocrinology*, 1943, 32: 247-50.—**Labbé, E., Nepveux, F., & Hiernaux.** Influence de l'insuline

sur le trouble du métabolisme des lipides dans le diabète grave. C. rend. Acad. sc., 1928, 186: 1445.—**Labbé, M., & Tamalet, E.** Action de l'insuline sur l'hypercholestérolémie diabétique. Bull. Soc. méd. hôp. Paris, 1924, 3. ser., 48: 1554-60.—**Lewin, A. I.** Ueber das Verhalten der Kaninchen mit experimenteller Hypercholesterinämie der Nebenwirkung des Insulins gegenüber. Arch. exp. Path., Berl., 1935, 178: 308-14.—**Licht, H., & Wagner, A.** Gibt es ein die Fettresorption förderndes inneres Sekret des Pankreas? (über den Einfluss des Insulins auf die Fettresorption) Klin. Wschr., 1927, 6: 1982-4.—**Neumark, S.** Influence de l'insuline sur la cholestérolémie, chez les sujets non diabétiques. C. rend. Soc. biol., 1930, 104: 1123.—**Nissen, N. I.** Untersuchungen über Lipämie; der Einfluss des Insulins auf das Blutfett und auf die alimentäre Lipämie bei normalen und zuckerkranken Menschen. Acta med. scand., 1930, 73: 99-124.—**Page, I. H., Pasternak, L., & Burt, M. L.** Einfluss des Insulins im akuten Versuch auf die Blut- und Organlipide. Biochem. Zschr., 1931, 231: 113-22.—**Piccinino, A.** Azione del trattamento insulinico sulla curva cholesterinica da carico nel diabete mellito. Gior. venet. sc. med., 1939, 13: 741-6.—**Rony, H. R., & Ching, T. T.** Effect of insulin on alimentary lipemia in normal dogs. Proc. Soc. Exp. Biol., N. Y., 1929-30, 28: 533.—**Schur, H.** Zum Ausbau der Lehre von der prinzipiellen Trennung der chemischen Assimilationsvorgänge vom Leistungsstoffwechsel; die Beziehungen des Insulins zum Leistungsstoffwechsel und zu den Ketokörpern. Endokrinologie, 1929, 5: 282-303.—**Selle, W. A.** A contribution to the physiology of insulin, with special consideration of the metabolism of fat. Abstr. Diss. Stanford Univ., 1929-30, 15-7.—**Tangl, H.** Ueber die Wirkung des Insulins auf den Fettstoffwechsel bei normalen und pankreasdiabetischen Hunden. Biochem. Zschr., 1931, 241: 87-93.

Metabolic effect: Mineral metabolism.

Barrenscheen, H. K., & Berger, R. Zur Analyse der Insulinwirkung; die Hemmung der Phosphatausscheidung durch Insulin. Biochem. Zschr., 1927, 189: 302-7.—**Beiglbock, W.** Ueber den Einfluss hoher Insulindosen auf den Mineralgehalt des menschlichen Blutes (zugleich ein Beitrag zur Frage der gerichteten Permeabilität) Zschr. klin. Med., 1937-38, 133: 36-49.—**Bogdanović, V.** [The effect of insulin on the calcium of the blood] Cas. lék. česk., 1928, 67: 773-6.—**Bolliger, A.** Der Einfluss von Insulin auf die Phosphorsäure des Blutes und des Urins. Zschr. ges. exp. Med., 1928, 59: 717-23.—**Brougher, J. C.** Blood calcium as affected by insulin. Am. J. Physiol., 1927, 80: 411-5.—**Cabitto, A.** Influenza della insulina sulla caemia studiata per mezzo della ultrafiltrazione. Riv. clin. pediatri., 1933, 31: 1343-50.—**Cahane, M.** Augmentation du soufre du sang après administration d'insuline. C. rend. Soc. biol., 1932, 110: 644-6.—**De Tullio, R.** Influenza dell'insulina sul contenuto in Ca e K del sangue nell'individuo normale. Fol. med., Nap., 1929, 15: 1767-81.—**Gortz, S.** [Phosphate excretion in urine after insulin administration in normal and diabetic persons] Bibl. lagger, 1930, 122: 159-96.—**Kolodziejka, S., & Funk, C.** Rôle of insulin in phosphorus metabolism. Biochem. J., Lond., 1926, 15: 392-4.—**Kurokawa, T.** Zur Frage der Insulinhypophosphatämie. Tohoku J. Exp. Med., 1924-25, 5: 438-51.—**Mattioli, M.** Azione dell'insulina sul ricambio del calcio in un caso di osteomalacia con diabete mellito di natura luetica. Rass. ter. pat. clin., 1930, 2: 293-300.—**Parkhomov, A.** [Effect of insulin on elimination of phosphorus in the urine in diabetes] Klin. med., Moskva, 1930, 8: 76-80.—**Räihä, C. E.** Ueber die Wirkung des Insulins auf den Ca-Gehalt des Blutes und des Kammerwassers des Auges. Skand. Arch. Physiol., Berl., 1932, 64: 184.—**Tinker, M., & Zaidenberg, A.** [Effect of insulin upon excretion in diabetes] Russ. klin. Moskva, 1927, 8: 223-35.—**Van Cleve, N., & Morgan, A. F.** Effect of diet upon blood phosphorus partition of rats with and without insulin. Proc. Soc. Exp. Biol., N. Y., 1934-35, 32: 1636-41.

Metabolic effect: Nitrogen metabolism.

Courtine, B. E. *Influence de l'insuline sur le métabolisme azoté; son rôle dans l'engraissement et l'amaigrissement. 76p. 8° Par., 1928.—**Bischoff, F., & Long, M. L.** The effect of insulin upon the blood amino acid nitrogen of the rabbit. J. Biol. Chem., 1929, 84: 629-38.—**Bucco, T.** Azione dell'insulina sull'azoto residuo del sangue. Riforma med., 1937, 53: 1809-12.—**Geiera, I.** Il metabolismo azotato nei diabetici e sue comportamenti durante la insulinoterapia. Gazz. osp., 1924, 45: 819-21.—**Kerr, S. E., & Krikorian, V. H.** The effect of insulin on the distribution of nonprotein nitrogen in the blood. J. Biol. Chem., 1929, 81: 421-4.—**Labbé, M.** Les troubles du métabolisme azoté dans le diabète et leur correction par l'insuline. Presse méd., 1928, 36: 1657-9.—**De l'action de l'insuline sur le métabolisme azoté.** Arch. mal. app. digest., Par., 1934, 29: 5-20.—**Floride [et al.]** Influence de l'insuline, sur le trouble du métabolisme azoté dans le diabète grave. C. rend. Acad. sc., 1928, 186: 1384-6.—**Marie, A. C.** Action de l'insuline sur la teneur du sang en urée. C. rend. Soc. biol., 1929, 101: 445-7.—**Villa, L.** Determinazioni dell'azoto del sangue e di quello di escrezione in diabetici durante la terapia insulinica. Boll. Soc. med. chir., Pavia, 1923, 36: 797-803. Also Probl. nutriz., Roma, 1924, 1: 101-5.—**Wada, H.** Ueber die Beeinflussung des Harnquotienten C:N durch Insulin beim normalen Kaninchen. Biochem. Zschr., 1926, 171: 218-24.

Metabolic effect: Protid metabolism.

Butt, H. R., & Keys, A. Effect of large doses of insulin on the proteins and the colloid osmotic pressure of blood serum. Arch. Int. M., 1939, 63: 156-64.—**Elmer, A. W., Ptaszek, L., & Scheps, M.** Influence de l'insuline sur l'action dynamique spécifique de l'albumine dans le diabète sucré. C. rend. Soc. biol., 1930, 103: 429.—**Gaudio, V., & De Biasi, S.** Azione dell'insulina sul metabolismo proteico dei diabetici. Policlinico, 1937, 44: sez. med., 1-17.—**Janney, N. W., & Shapiro, I.** The rôle of insulin in protein metabolism. Arch. Int. M., 1926, 38: 96-108.—**Keich, V. C., & Luck, J. M.** Effect of insulin on protein metabolism. Proc. Soc. Exp. Biol., N. Y., 1927-28, 25: 437. Also J. Biol. Chem., 1928, 83: 257-64.—**Lambert, O., Driessens, J., & Malatray, H.** Diminution, sous l'action de l'insuline seule ou associée au glucose, de l'hyperpolypeptidémie secondaire aux destructions cellulaires. C. rend. Soc. biol., 1936, 123: 12.—**Marcello, M.** Equilibrio proteico del sangue in individui normali e diabetici prima e dopo un periodo di cura insulinica. Clin. med. ital., 1937, 68: 213-29.—**Nitzescu, I. I., & Canciovi, D.** L'insuline et l'équilibre protéique du sérum sanguin. C. rend. Soc. biol., 1932, 110: 65.—**Senga, H.** The behaviour of insulin on the protein metabolism of rabbits fed on thyroid. Polyclin. Dairen, 1924-26, 2: No. 31.—**Taubenhaus, M., & Rosenzweig, S.** Ueber die Wirkung des Insulins auf das Bluteiweißbild und deren Beeinflussung durch Kohlehydratgaben und Coffein. Zschr. klin. Med., 1931, 118: 719-35.

Metabolic effect: Purin bodies.

Chaikoff, I. L., & Larson, P. S. The effect of insulin on the purine metabolism of the Dalmatian coach-dog. J. Biol. Chem., 1935, 109: 85-95.—**Giorgi, G.** Sulle variazioni quantitative dei corpi allorurici nell'urina dei diabetici sottoposti a cura insulinica. Probl. nutriz., Roma, 1926, 3: 41-54.—**Kürti, L., & Györgyi, G.** Harnsäurestoffwechsel und Insulin. Klin. Wschr., 1927, 6: 1426-8.—**Rosenberg, E. F.** Effect of insulin on the concentration of uric acid in the blood. J. Clin. Invest., 1938, 17: 233-5.

Metabolic effect: Water metabolism.

Agnoli, R. Diuresi e insulina. Arch. biol. Genova, 1926, 3: No. 5, 39-48.—**Doré, E.** Essai de pathogénie de l'hydrémie insulinique. Bull. Soc. méd. hôp. Paris, 1931, 3. ser., 47: 302-4.—**Drabkin, D. L., & Shilkret, H.** Insulin anhydremia; importance of the water-reserve in a physiological crisis. Am. J. Physiol., 1927, 83: 141-6.—**Goldberger, B., & Goldberger, J.** Beiträge zur Wirkung der Zuckerzufuhr und des Insulins auf den Wasserhaushalt des Diabetikers. Klin. Wschr., 1930, 9: 1249.—**Gualdi, A., & Bazzicolupo, L.** Sulla variazione del metabolismo dell'acqua determinate dall'insulina nell'organismo normale. Riv. pat. sper., 1930, 5: 407-14.—**Klein, O.** Studien über den Wasserwechsel beim Diabetes mellitus sowie über die Einwirkung des Insulins auf denselben. Zschr. ges. exp. Med., 1924, 43: 665-709.—**Studien über den Wasserwechsel beim Diabetes mellitus sowie über die Einwirkung des Insulins auf denselben; längerdauernde Beobachtungsperioden und weitere Untersuchungen über die durch das Insulin erzeugten Wasserverschiebungen.** Ibid., 1925, 47: 309-24.—**Rischawy, E.** Ueber Insulin und Diurese. Ibid., 1926, 51: 652-72.—**Koppelman, S.** The effects of large doses of insulin on blood hydration in man. Am. J. M. Sc., 1939, 197: 78-85.—**Lolli, G.** Il tasso idremico in varie condizioni sperimentali; l'azione dell'insulina sul tasso idremico di malati di diabete mellito. Boll. Soc. ital. biol. sper., 1937, 12: 39.—**Marin, P., & Usseglio, G.** Esperienze sul significato dell'insulina nel ricambio idrico. Minerva med., Tor., 1927, 7: 957-70.—**Meyer, W. B., Seckel, H., & Kallner, A.** Insulin und Wasser-Salzhaushalt bei nichtdiabetischen Säuglingen und Erwachsenen; klinisch-experimentelle Untersuchungen bei Gesunden, Insipidus, Basedow- und Leberkranken. Zschr. klin. Med., 1927, 105: 552-93.—**Parhon, C. I., Marza, V., & Kahane, M.** Action de l'insuline sur la teneur en eau des organes et des tissus. C. rend. Soc. biol., 1926, 95: 422.—**Widal, F., Abrami, P. [et al.]** L'hydrémie au cours du diabète traité par l'insuline; variations de l'indice refractométrique du sérum. C. rend. Acad. sc., 1924, 178: 2144. Also Presse méd., 1924, 32: 565.—**Wiechmann, E., & Liang, S.** Der Wasserhaushalt der Diabetiker und seine Beeinflussung durch Insulin. Deut. Arch. klin. Med., 1929, 163: 282-97.—**Winter, F.** Ueber den Einfluss des Insulins auf den Wasserstoffwechsel des Gesunden und Diabetikers. Acta med. scand., 1933, 80: 136-53.

Metabolism.

Brugsch, H., & Horsters, H. Insulingehalt und Insulinverteilung im Blut. Arch. exp. Path., Lpz., 1930, 148: 295-308.—**Chrometzka, F., & Schulte, J.** Weitere Untersuchungen über den Abbau des Insulins zu einer blutzuckersteigernden Verbindung. Ibid., 1936, 183: 278-85.—**Drury, D. R., & Greeley, P. O.** The rate of disappearance of insulin from the body. Am. J. Physiol., 1939, 126: 481.—**Goaddy, H. K., & Richardson, J. S.** On the disappearance from the blood of intravenously injected insulin. J. Physiol., Lond., 1939-40, 97: 417-28.—**Horsters, H.** Insulinverteilung im Organismus nach Insulininjektion. Arch. exp. Path., Lpz., 1930, 153: 214-43.—**Verteilung des eingespritzten Insulins im Organismus.** Verh. Deut. Ges. inn. Med., 1930, 42. Kongr.,

108.—**Jourdonais, L. F., & Bruger, M.** The sojourn of insulin in the blood of rabbits after the administration of massive doses of insulin. *Endocrinology*, 1940, 26: 250-4.—**Képinov, L., & Ledebt-Petit Dutailis, S.** De la rapide disparition, du milieu sanguin, de l'insuline introduite par voie intraveineuse. *C. rend. Soc. biol.*, 1927, 96: 371-4. — Etudes physiologiques sur l'insuline; rapide disparition de l'insuline injectée dans le torrent circulatoire. *Arch. internat. physiol.*, Liège, 1929, 31: 310-32.—**Reiner, L., Keston, A. S., & Green, M.** The absorption and distribution of insulin labelled with radioactive iodine. *Science*, 1942, 96: 362.

Metabolism: Excretion.

Athanasiou, A., & Reinwein, H. Ueber exogene Insulinurie bei Zuckerkranken. *Deut. Arch. klin. Med.*, 1931-32, 172: 307-16.—**Bruger, M., & Friedman, B.** Excretion of insulin by normal and pathologic rabbit kidney. *Proc. Soc. Exp. Biol.*, N. Y., 1938, 38: 840-3.—**Brugsch, H., & Horsters, H.** Insulin im Harn. *Arch. exp. Path., Lpz.*, 1930, 148: 309-29.—**Cobet, R., & Nothmann, M.** Ueber die Ausscheidung von Insulin im Harn unter normalen Verhältnissen und beim Pankreasdiabetes. *Verh. Deut. Ges. inn. Med.*, 1927, 39. Kongr., 196-9.—**Ghirardi, E.** Sulle vie di eliminazione degli ormoni; linfa e insulina. *Boll. Soc. ital. biol. sper.*, 1928, 3: 387.—**Lawrence, R. D., Madders, K., & Millar, H. R.** The excretion of insulin in urine. *Brit. J. Exp. Path.*, 1929-30, 11: 117.—**Shannon, J. A., & Winton, F. R.** The renal excretion of insulin and creatinine by the anaesthetized dog and the pump-kidney preparation. *J. Physiol., Lond.*, 1940, 98: 97-108.—**Ueberrack, K., & Zell, F.** Ueber das Vorkommen von Insulin im Harn. *Biochem. Zschr.*, 1931, 239: 42-7.—**Weiler, E. S., Casiello, A., & Bercoff, S.** Insulinuria. *Actas Congr. nac. med.*, Rosario, 1934, 5: pt 4, 926-34.

Mode of action.

See also Insulin therapy.

Ahlgren, G. Mikrorespirometrische Untersuchungen über die Hormonwirkungen; Insulin. *Skand. Arch. Physiol., Berl.*, 1925-26, 47: 271-4.—**Arndt, H. J.** Versuche über Insulinwirkung. *Verh. Deut. path. Ges.*, 1927, 22: 215-9.—**Barlow, O. W.** The action of insulin on the perfused frog heart and on the isolated rabbit intestine. *J. Pharm. Exp. Ther.*, 1931, 41: 217-28.—**Best, C. H.** A brief review of certain physiological properties of insulin. *Canad. M. Ass. J.*, 1930, 23: 141-5.—**Bürger, M.** Physiologische Grundlagen, Wirkungen und Nebenwirkungen des Insulins. In *Bahn- & Balneother.* Karlsbad (1933) 1935, 14: 256-62.—**Cahen, R.** Caractères potentiels des effets de l'insuline sur le cœur isolé de poikilothermes et sur l'intestin isolé de cobaye. *C. rend. Soc. biol.*, 1939, 130: 119-21.—**Campbell, W. R.** The clinical effects of the pancreatic extract; insulin. *Internat. Clin.*, 1933, 43. ser., 4: 142-56.—**Cavagna, C.** Alcuni aspetti dell'azione dell'insulina sull'organismo. *Schizofrenia*, 1938-39, 7: Suppl., 55-82.—**Collazo, J. A., & Dobreff, M.** Insulina y glándulas de secreción externa. *Rev. As. méd. argent.*, 1927, 40: 209-27.—**Druey, J.** Die Wirkung des Insulins auf den normalen Organismus. *Schweiz. Arch. Neur. Psychiat.*, 1938, 42: 27-36.—**Fitz, R.** Clinical observations on the effect of insulin. *Northwest M.*, 1925, 24: 368-77.—**Florian, I.** [The physiology of insulin] *Spitalul*, 1931, 51: 11-5.—**Franco, P. M.** Modificazioni istopatologiche di organi sotto l'azione dell'insulina. *Rinasc. med.*, 1930, 7: 14-6, pl.—**Freise, R., & Choremis, K.** Insulinstudien am Kinde. *Msehr. Kinderh.*, 1925-26, 31: 1-14.—**Frola, E.** Il comportamento correlativo del respiro, del polso, della pressione arteriosa e degli elementi morfologici del sangue dopo somministrazione di insulina. *Gazz. osp.*, 1938, 59: 534-42.—**Gaschler, A.** Beitrag zur Kenntnis der Insulinwirkung. *Fortsch. Ther.*, 1928, 4: 384.—**Hamburger, R. J.** [Insulin and tissue permeability] *Ned. tschr. geneesk.*, 1929, 73: pt 2, 5801-3.—**Hemmeter, J. C.** Ueber den Mechanismus der Insulinwirkung. *Arch. Verdauungskr.*, 1928, 43: 182-96.—**Holm, K.** Ueber die quantitative und optimale Wirkung des Insulins. *Klin. Wschr.*, 1926, 5: 2157-61. Also *Arch. exp. Path., Lpz.*, 1927, 121: 368-86.—**Issekutz, B.** Contribution to the action of the insulin. *Magy. orv. arch.*, 1927, 28: 93-107.—**John, H. J.** The lack of uniformity in the insulin reaction. *Am. J. M. Sc.*, 1926, 172: 96-106.—**Koref, O., & Mautner, H.** Weitere Beiträge zur Resorptionssteigerung durch Insulin. *Arch. exp. Path., Lpz.*, 1926, 113: 163-70. — Zur Resorptionsbeschleunigung durch Insulin. *Klin. Wschr.*, 1926, 5: 191.—**Lawrence, R. D.** A discussion of insulin action. *Brit. M. J.*, 1936, 1: 749-51.—**Lundsgaard, C.** Le mode d'action de l'insuline. *Acta med. scand.*, 1926, Suppl. 16, 473-84. — Ueber Insulin und Insulinwirkung. *Zschr. ärztl. Fortbild.*, 1927, 24: 616-22.—**Lundsgaard, E.** On the mode of action of insulin. *Uppsala läk. fören. förh.*, 1939, 45: 143-52.—**Macleod, J. R.** The problem of the fundamental action of insulin. *Canad. M. Ass. J.*, 1925, 15: 476-8.—**Mueller, E. F., Wiener, H. J., & Wiener, R. v. E.** The mechanism of insulin action. *Arch. Int. M.*, 1926, 37: 512-40.—**Nielsen, N. A.** On the action of insulin. *Skand. Arch. Physiol., Berl.*, 1933, 66: 19-49.—**Nitzescu, I. I.** L'insuline et le phosphore organique du lait. *C. rend. Soc. biol.*, 1926, 94: 156.—**Otiai, K.** On the histological studies of the mechanism of insulin and synthalin action. *Nogoya J. M. Sc.*, 1931, 5: 110-24.—**Peck, F. B.** Action of insulins. *Proc. Am. Diabetes Ass.*, 1942, 2: 67-83.—**Petersen, W. F., & Müller, E. F.** Ueber

Aenderungen in der Permeabilität nach Insulin. *Zschr. ges. exp. Med.*, 1927, 54: 415-38.—**Piazza, V. C.** Sull'azione dissociata dell'insulina atossica. *Boll. Soc. biol. sper.*, 1926, 1: 420-3.—**Pollak, L.** Der Mechanismus der Insulinwirkung. *Klin. Wschr.*, 1937, 16: 887-92. — & **Fehér, G.** Der Mechanismus der Insulinwirkung. *Ibid.*, 1936, 15: 1282.—**Pugliese, A.** Le nostre odierne conoscenze sul meccanismo d'azione dell'insulina. *Terapia*, Milano, 1926, 16: 321-31.—**Quagliarriello, G.** L'azione dell'insulina. *Arch. sc. biol., Nap.*, 1926-27, 9: 459-80.—**Rechnitzer, E., & Rosenbluth, E.** Untersuchungen über den Einfluss des Insulins auf die Atmung. *Arch. exp. Path., Lpz.*, 1927, 124: 192-201.—**Rthorer, L.** Az insulin hatására a sejtek permeabilitására. *Közl. összehas. élet & kört.*, 1928, 22: 24-30.—**Sanguinetti, A.** Azione dissociata dell'insulina? *Bull. sc. med. Bologna*, 1925, 10. ser., 3: 366. Also *Policlinico*, 1926, 32: sez. prat., 368.—**Schmid, H. E.** Contributions to the histophysiology of insulin. *Am. J. Psychiat.*, 1937-38, 94: Suppl., 154-66.—**Schmidt, A. A.** Ueber den Mechanismus der Insulinwirkung. *Arch. exp. Path., Lpz.*, 1930, 153: 79-93.—**Schur, H., & Pappenheim, E.** Neue Untersuchungen zur Frage der Insulinwirkung. *Acta med. scand.*, 1938, 95: 167-216.—**Schwarz, H., & Taubenhaus, M.** Ueber einen neuen Wirkungsmechanismus des Insulins. *Klin. Wschr.*, 1931, 10: 313.—**Soskin, S., & Levine, R.** On the mode of action of insulin. *Am. J. Physiol.*, 1940, 129: 782-6.—**Sotgiu, G.** Sul meccanismo d'azione dell'insulina. *Morgagni*, 1930, 72: 737-51. — Insulina (studio critico sul meccanismo d'azione) *Arch. pat., Bologna*, 1930-31, 10: 580-614.—**Staub, H.** Ueber den Wirkungsmechanismus des Insulins. *Schweiz. med. Wschr.*, 1927, 57: 483-7.—**Teitel-Bernard, A., & Parhon, C.** Sur le mécanisme de la contraction de la rate du chien provoquée par l'insuline. *C. rend. Soc. biol.*, 1931, 107: 185-8.—**Tuttle, G. H.** The physiology of insulin. *Lancet*, Lond., 1933, 2: 687-90. — The mechanism of insulin action. *Med. Times, N. Y.*, 1936, 64: 407-10.—**Vendég, V.** Das Wesen der Insulinwirkung. *Arch. ges. Physiol.*, 1934-35, 235: 674-99.—**Visco, S.** Meccanismo d'azione dell'insulina. *Boll. Soc. biol. sper.*, 1926, 1: 678-701.—**Weber, F. P.** A note on some physiological symptoms connected with insulin, the normal hormone of appetite and faintness. *Med. Press & Circ.*, Lond., 1932, 133: 485.—**Wiechmann, E.** Insulin und Zellpermeabilität. *Münch. med. Wschr.*, 1927, 74: 1447-50.

Mode of action: Variation.

Brauch, F. Berufsarbeit und Insulinwirkung bei Diabetikern. *Deut. Arch. klin. Med.*, 1932, 174: 352-65.—**Dow, R. B., Matthews, J. E., jr., & Thorp, W. T. S.** The effect of high pressure treatment on the physiological activity of insulin. *Am. J. Physiol.*, 1940-41, 131: 382-7.—**Falta, W., & Uiberrak, K.** Ueber Gegenregulationsvorgänge in peripheren Geweben. *Klin. Wschr.*, 1910, 19: 512 (microfilm).—**Gaujoux, E., Recordier, M., & Andrac, M.** Influence de l'état du rein sur l'activité de l'insuline. *C. rend. Soc. biol.*, 1935, 119: 747.—**Himsworth, H. P., Marks, H. P.** [et al.] Discussion on physiological factors influencing the action of insulin. *Proc. R. Soc. M., Lond.*, 1935-36, 29: 658-70.—**Horsters, H., & Brugsch, H.** Ueber die Wirkung des Insulins am narkotisierten Tier. *Arch. exp. Path., Lpz.*, 1929-30, 147: 193-210.—**Langen, C. D.** [Observation on the use of insulin in the tropics] *Geneesk. tschr. Ned. Indië*, 1929, 69: 779-81.—**Lawrence, R. D.** The effect of exercise on insulin action in diabetes. *Brit. M. J.*, 1926, 1: 648-50.—**Lucchetti, G.** Curva glicemica dopo iniezione di insulina nello stato puerperale. *Ann. ostet. gin.*, 1939, 61: 463-87.—**Mouri-quand, G.** Changements climatiques et variations de l'activité de l'insuline chez l'enfant diabétique. *Lyon méd.*, 1933, 151: 555-7.—**Physiological factors influencing the action of insulin.** *Brit. M. J.*, 1936, 1: 327.—**Roberto, S.** Sull'azione dell'insulina in gravidanza. *Arch. ostet. gin.*, 1935, 2. ser., 22: 529-52.—**Sánchez Cuenca, B.** Relación entre las sustancias reductoras del plasma sanguíneo y del músculo estriado (contribución al estudio del mecanismo de acción de la insulina) *Ars medica, Barcel.*, 1928, 4: 46-55.—**Schmidt, A. A., & Saachian, R. L.** [Effect of various tissues of the animal organism on the activity of insulin] *J. eksp. biol.*, 1929, 11: 42-53.—**Tyler, D. B.** Effect of cooling on the mechanism of insulin action. *Proc. Soc. Exp. Biol., N. Y.*, 1939, 42: 278-80.—**Ueber, F.** Insulinreaktion und Beruf. *Med. Welt*, 1934, 8: 649.

Mode of action: Variation, experimental.

Aubertin, E., & Trinquier, E. De l'action hypoglycémisante de l'insuline chez le chien néphrectomisé ou urétérotomisé. *C. rend. Soc. biol.*, 1933, 112: 318-21.—**Baltzer, A., Graf, E., & Partsch, F.** Beiträge zur Kenntnis der Insulinwirkung; Untersuchungen bei diabetischen Tieren. *Arch. exp. Path., Lpz.*, 1927, 120: 359-70.—**Barlow, O. W., Vigor, W. N., & Peck, R. I.** The action of insulin on the frog; the influence of dosage, temperature, excision of the liver, administration of glucose, sodium bicarbonate and calcium gluconate on the reaction of the frog to insulin. *J. Pharm. Exp. Ther.*, 1931, 41: 229-43.—**Best, C. H., Irving, L., & Foster, H. C.** The action of insulin in the eviscerated spinal animal. *Tr. R. Soc. Canada*, 1931, 3. ser., 25: *Biol. Soc. Sect. 5*, 93-5.—**Collazo, J. A.** Farmacología experimental de la insulina. *An. Fac. med., Montev.*, 1926, 11: 773-90.—*Estudio sobre la insulina* (Informe de la Comisión Honoraria al Departamento Nacional de Higiene;

estudios experimentales llevados a cabo sobre la insulina; resolución de la Presidencia) An. Dep. nac. hig., B. Air., 1924, 30: 11-6.—Geiling, E. M. K., Jensen, H., & Farrar, G. E. Insulin. In Handb. exp. Pharm., Ergänzw. (Heubner, W., & Schüller, J.) Berl., 1937, 5: 197-279.—Lundsgaard, C., Holboll, S. A., & Gottschalk, A. [Researches on the insulin complement in warm and cold blooded animals] Ugeskr. læger, 1926, 88: 215.—Morgan, C. T., & Morgan, J. D. Studies in hunger; the relation of gastric denervation and dietary sugar to the effect of insulin upon food-intake in the rat. J. Genet. Psychol., 1940, 57: 153-63.—Ogawa, M. Experimentelle Studien über den Wirkungseffekt des Insulins. Pol. pharm. jap., 1929, 8: fasc. 3, Brev., 2.—Olmsted, J. M. D., & Taylor, A. C. The effect of insulin on decerebrate and decapitate cats. Am. J. Physiol., 1926, 77: 69-72.—Recordier, M., & Andrac, M. Recherches sur la réaction de l'animal à l'insuline avant et après néphrectomie. Marseille méd., 1935, 72: 741-57.—Uselli, F. Azione dell'insulina sul preparato pneumo-cardio-viscerale. Arch. sc. biol., Nap., 1928, 12: 329-58.—Villa, L. Osservazioni cliniche e sperimentali sull'azione dell'insulina specialmente nel diabete mellito. Arch. pat., Bologna, 1925, 4: 101-53.—Wien, R. The action of insulin during fever in the decerebrate cat. Q. J. Pharm., Lond., 1939, 12: 39-44.

Mode of action: Variation, experimental: Pancreatectomy.

Azodi, Z., & Ernst, Z. Die Wirkung der Pankreasextirpation und der darauf folgenden Thyreoektomie auf die Empfindlichkeit von Hunden gegen Insulin. Arch. ges. Physiol., 1926-27, 215: 431-42.—Aubertin, E., & Castagnou, R. Etude comparative de l'action hypoglycémisante de l'insuline chez les mêmes chiens, avant et après dépancréatation. C. rend. Soc. biol., 1935, 118: 697-700.—Aubertin, E., Lacoste, A. [et al.] De l'action hypoglycémisante de l'insuline dans les petits diabètes par pancreatectomie partielle chez le chien; à propos d'un cas de diabète transitoire expérimental. Ibid., 1936, 122: 830-4.—Bell, H. J., Best, C. H., & Haist, R. E. The effect of partial pancreatectomy on the concentration of insulin in the pancreatic remnant. J. Physiol., Lond., 1942, 101: 11-6.—Bueding, E., Fazekas, J. F., & Himwich, H. E. Action of insulin on pyruvate formation in depancreatized dogs. Fed. Proc., Balt., 1942, 1: pt 2, 12 (Abstr.).—Cristol, P., Hédon, L. [et al.] L'insuline augmente la teneur en glycogène et diminue la teneur en lipides du foie chez le chien dépancréaté. C. rend. Soc. biol., 1938, 127: 581-3.—Action de l'insuline sur le glycogène et sur les lipides du foie chez le chien normal et totalement dépancréaté. Médecine, Par., 1938, 19: 710-21.—Frank, E., Nothmann, M., & Wagner, A. Extrahepatische Wirkung des Insulins am pankreasdiabetischen Hund. Klin. Wschr., 1924, 3: 1404.—Gellhorn, E., Feldman, J., & Allen, A. Insulin concentration in the blood of normal and pancreatectomized dogs. Endocrinology, 1941, 29: 849-51.—Hédon, E. Action de l'insuline sur le dépôt de glycogène dans le foie chez le chien totalement dépancréaté, en état d' inanition. C. rend. Soc. biol., 1925, 93: 596-8.—Observations cliniques sur l'action de l'insuline dans le diabète pancreatectomie expérimental; la vie sans pancréas. Bull. Soc. sc. méd. biol. Montpellier, 1926-27, 8: 48-62.—La survie du chien totalement dépancréaté traité par l'insuline et les effets de l'interruption de traitement. J. physiol. path. gén., 1930, 28: 1-16.—Houssay, B. A., Lewis, J. T., & Foglia, V. G. Effet des injections continues d'insuline chez le chien dépancréaté. C. rend. Soc. biol., 1929, 101: 241-5.—Kerr, S. E. The effect of phosphorus and potassium in the blood. J. Biol. Chem., 1928, 78: 35-52.—Loubatières & Heymann. Etude expérimentale des effets de l'insuline-protamine-zinc chez le chien dépancréaté. Presse méd., 1938, 46: 1410.—McCarthy, E. R., & Olmstead, H. C. Influence of pancreas perfused on pancreatic diabetes (dogs) Am. J. Physiol., 1923, 65: 252-66.—Major, R. H. Insulin absorption from the intestine in normal and in depancreatized dogs. Proc. Soc. Exp. Biol., N. Y., 1938, 38: 721-3.—Pénau, H., & Simonnet, H. Essai physiologique de l'insuline sur le lapin et sur le chien dépancrétés. C. rend. Congr. fr. méd., 1923, 17, sess., 324-6.—Diabète pancreatectomie expérimental et insuline. C. rend. Acad. sc., 1924, 178: 2208-11.—Insuline et diabète pancreatectomie expérimental. Bull. Soc. centr. méd. vét., Par., 1925, 78: 121-7.—Traitement insulinaire prolongé et survie du chien dépancréaté. C. rend. Acad. sc., 1925, 180: 702-4.—Ralli, E. P., & Tiber, A. M. The comparative effects of synthalin and insulin on the depancreatized dog. J. Pharm. Exp. Ther., 1929-30, 37: 451-61.—Rathery, F., Gibert, S. [et al.] Les variations tardives du glycogène hépatique et musculaire chez le chien dépancréaté, sous l'influence d'injections répétées d'insuline. C. rend. Soc. biol., 1930, 104: 1224-6.—Stare, F. J., & Baumann, C. A. Effect of pancreatectomy on the oxygen uptake of pigeon muscle and its sensitivity to insulin. J. Biol. Chem., 1940, 133: Proc., 97.—Thirollox, J. Diabète pancreatectomie expérimental, ablation totale du pancréas en un temps sans ligature, par simple énucléation; modifications qu'apporte à l'évolution du diabète ainsi créé l'emploi de l'insuline. Bull. Soc. méd. hôp. Paris, 1923, 3, ser., 47: 1352-6.—Waterhouse, A. M., & Ralli, E. P. The effect of insulin in conjunction with posture on the blood concentration in depancreatized dogs. Am. J. Physiol., 1934, 109: 422-9.—Zucker, T. F., & Berg, B. N. Time curve of insulin action in the depancreatized dog. Proc. Soc. Exp. Biol., N. Y., 1934-35, 32: 1527-9.

Mode of action: Variation, metabolic.

MEYER, P. F. *Ueber die Abhängigkeit der Insulinwirkung von der Stoffwechsellaage. 40p. 8° [Bonn, 1929]

Also Klin. Wschr., 1929, 8: 510-59.

Hayward, G. W., & Duncan, G. G. The effect of alterations in the metabolic rate on the action of insulin. Am. J. M. Sc., 1939, 198: 396-402.—Labbé, H. Insuline et nutrition. Médecine, Par., 1923-24, 5: 768-70.—Lippmann, E., & Sanguinetti, T. Influenza della vitamina C sul potere ormonale della insulina nell'organismo. Boll. Soc. ital. biol. sper., 1937, 12: 317-9.—Martin, R. W. Vitaminfreie Ernährung und Insulinwirksamkeit. Zschr. physiol. Chem., 1937, 248: 242-55.—Opydke, D. F. Response of fasted and non-fasted chicks to insulin. Endocrinology, 1942, 31: 363-70.—Sevringhaus, E. L. The influence of the various ketone bodies on the action of insulin. Wisconsin M. J., 1927, 26: 208.—Tiitso, M. Influence of nutritive condition on initial fall in blood sugar after insulin. Proc. Soc. Exp. Biol., N. Y., 1925-26, 23: 40-3.

Mode of action: Variation, pathologic.

Achard, C. A propos de l'action de l'extrait pancréatique dans le diabète. Bull. Acad. méd., Par., 1923, 3, ser., 89: 404.—Baglioni, A., & Console, V. Insulina e beri-beri sperimentale del colombo. Arch. fisiol., Fir., 1934, 33: 564-77.—Brühl, W. Ein Beitrag zur Frage des Insulinwirkungsmechanismus; Untersuchungen an Gesunden und Leberkranken über die Wirkung des Insulins auf Blutzucker und Magensekretion. Zschr. klin. Med., 1938-39, 135: 1-14.—Dietrich, S., Häusler, H., & Loewi, O. Weiteres über Insulinwirkung und Diabetes. Klin. Wschr., 1926, 5: 414.—Di Grazia, A., & Sardo, M. Insulina e colpo di calore. Biochim. ter. sper., 1934, 21: 176-84.—Di Maccio, G. La glicemia nel colpo di calore sotto l'influenza dell'insulina. Boll. Soc. ital. biol. sper., 1934, 9: 1009.—Drury, D. R., & Palmer, J. J. Activity of insulin in diabetic hyperglycemic animals. Proc. Soc. Exp. Biol., N. Y., 1938, 38: 394-7.—Fernández, F., & Clavera, J. M. Les glycémies post-insuliniques dans l'insuffisance hépatique. Arch. mal. app. digest., Par., 1935, 25: 1038-48.—Holm. Ueber quantitative Insulinwirkung am normalen und pankreas-diabetischen Hund. Klin. Wschr., 1926, 5: 1540.—Karelitz, S., Leader, S. D., & Cohen, P. Insulin inactivation by human blood cells and plasma in vitro; effect of infection on insulin. Arch. Int. M., 1930, 45: 690-701.—Labbé, M., & Neveu, F. Insuffisance hépatique et dénutrition azotée; action de l'insuline. J. méd. Paris, 1928, 47: 675-7.—Lawn, L., & Wolf, C. G. L. The early action of insulin in the diabetic. Biochem. J., Lond., 1925, 19: 122-33.—Lawrence, R. D. The inhibition of insulin action by toxæmias and its explanation. Brit. M. J., 1926, 2: 983.—Buckley, O. B. The inhibition of insulin action by toxæmias and its explanation; the effect of diphtheria toxin on blood-sugar and insulin action in rabbits. Ibid., 1926-27, 8: 58-75.—Liu, S. H., & Mills, C. A. The effect of insulin on blood cholesterol, fat and sugar in nephrosis. Proc. Soc. Exp. Biol., N. Y., 1926-27, 24: 191.—Loeper, M., Lemaire, A., & Ravier, J. Action de l'insuline chez les rénaux. Bull. Soc. méd. hôp. Paris, 1928, 3, ser., 52: 1283-90.—Loeper, M., Lemaire, A., & Tonnet. Augmentation de l'action de l'insuline dans l'imperméabilité rénale expérimentale. C. rend. Soc. biol., 1928, 99: 19.—Loeper, M., Ravier, J., & Tonnet. L'action de l'insuline dans l'imperméabilité rénale de l'homme. Ibid., 20.—Loewi, O. Ueber die Wirkung des Insulins und des Insulin-Antagonisten des diabetischen Blutes. Wien. klin. Wschr., 1926, 39: 1074-6.—Meythaler, F., & Schroff, G. Die Wirkungsintensität des Insulins beim gesunden und kranken Menschen. Klin. Wschr., 1935, 14: 893.—Mondini, E. M. Influenza dell'insulina sul ricambio dei proteidi in bambini affetti da tubercolosi polmonare. Pediatria (Riv.) 1930, 38: 483-500. Also Ann. clin. med., Pal., 1930-31, 20: 11-31.—Poczka, N., & Steigerwaldt, F. Die Abhängigkeit der Insulinwirkung vom Wasser- und Kochsalzstoffwechsel beim schweren Diabetiker. Zschr. ges. exp. Med., 1935, 96: 20-47.—Rabinowitch, I. M. The influence of infection upon the reaction of the diabetic to insulin treatment. Canad. M. Ass. J., 1924, 14: 481.—Rentz, E. Action de l'insuline sur l'anémie expérimentale du lapin; contribution à l'étude des substances inhibitrices du sang dans l'hyperglycémie. C. rend. Soc. biol., 1928, 98: 816-8.—Sprague, R. G. Effect of chronic experimental liver damage on the blood sugar response to insulin. Am. J. Physiol., 1934-35, 110: 488.—Suguro, M. Ueber die Beziehung zwischen Hormon und Vitamin; experimentelle Studien über den Einfluss des Insulin auf Vitamin-B-Mangel im Lichte der aktiven immunisatorischen Agglutininbildung bei Kaninchen. Okayama igakkai zasshi, 1929, 41: 1052.—Vercellana, G. L'azione dell'insulina nei piccioni e nelle cavie in avitaminosi. Ann. igiene, 1926, 36: 575-80. Also Boll. Soc. biol. sper., 1926, 1: 407.—A proposito dell'azione dell'insulina nei piccioni a dieta esclusiva di riso brillato e in avitaminosi beri-berica. Gior. clin. med., 1928, 9: 104.—Wien, R. The influence of fever on the peripheral action of insulin. Q. J. Pharm., Lond., 1938, 11: 177-85.

Mode of action—in animals.

Bruun, A. F., & Hemmingsen, A. M. The effect of insulin on fishes (Lebistes reticulatus Peters) Acta med. scand., 1938, 96: Suppl. 90, 97-104.—Cassidy, G. J., Dworkin, S., & Finney, W. H. The action of insulin on the domestic fowl. Am. J.

Physiol., 1923-26, 75: 609-15.—**Dotti, L. B.** The response of the rabbit to insulin. *Ibid.*, 1935-36, 114: 538-50.—**Gigante, D.** Action de l'insuline sur les pigeons jeûnants. *Arch. ital. biol.*, 1934-35, 94: 72-8.—**Goldblatt, M. W.** The action of insulin in normal young rabbits. *Biochem. J.*, Lond., 1929, 23: 83-98.—**Grafe, E., Reinwein, H., & Singer, H.** Beiträge zur Kenntnis der Insulinwirkung; Untersuchungen bei normalen Tieren. *Arch. exp. Path., Lpz.*, 1926, 119: 91-101.—**Gray, I. E.** The effect of insulin on fishes. *Sc. Month.*, 1929, 28: 271-4.—**Herring, P. T.** The effects of insulin injection upon the body and organs of the white rat. *Q. J. Exp. Physiol., Lond.*, 1927-28, 17: 119-23.—**Laughton, N. B., & Macallum, A. B.** The peripheral action of insulin in normal animals. *Biochem. J.*, Lond., 1935, 29: 1257-62.—**Lévai, M., & Waldbauer, O.** Die Beeinflussbarkeit des Blutzuckers beim Kaninchen; intrakardial verwendete Insulin. *Deut. med. Wschr.*, 1927, 53: 403-5.—**Martino, G.** Sull'azione dell'insulina nei colombi digiunanti. *Boll. Soc. ital. biol. sper.*, 1927, 2: 545-8.—**Milenishkin, J. J.** Ueber die Wirkung des Insulins auf niedere Tiere. *Bull. biol. méd. exp. URSS*, 1936, 2: 303-5.—**Passmore, R., & Schlossmann, H.** The effect of large doses of insulin on the foetal sheep and goat. *J. Physiol., Lond.*, 1938, 92: 459-66.—**Takuwa, M.** Ueber die Insulinwirkung auf Kaltblüter (Schildkröte). *Mitt. Med. Akad. Kioto*, 1929, 3: H. 4, 14.—**Weitze, M.** The action of insulin in suckling mice. *Acta med. scand.*, 1938, 96: Suppl. 90, 111-21.—**Wenig, K., & Joachim, J.** Der Einfluss des Insulins auf den Lymphzuckerspiegel bei der Seidenraupe (*Bombyx mori*). *Biochem. Zschr.*, 1936, 285: 98-100.—**Zagami, V.** Contributo alla conoscenza dell'azione dell'insulina negli uccelli. *Boll. Soc. ital. biol. sper.*, 1927, 2: 541-5.—**Zeckwer, I. T.** Some atypical responses of rabbits to insulin. *Am. J. Physiol.*, 1933, 106: 273-82.

Muscle effect.

Agazzotti, A. Azione dell'insulina sulla contrazione muscolare. *Boll. Soc. ital. biol. sper.*, 1926, 1: 361-4.—**Best, C. H.** The effect of insulin on the dextrose consumption of perfused skeletal muscle. *Proc. R. Soc., Lond.*, 1926-27, ser. B, 99: 375-82.—**Mark, H. P.** Additional note on the effect of insulin on the lactacidogen content of the skeletal muscles. *Ibid.*, 100: 171.—**Bucciardi, G.** La curva ergografica e il tono muscolare in individui diabetici sotto l'azione dell'insulina. *Boll. Soc. biol. sper.*, 1926, 1: 364-6.—**La curva ergografica ed il tono muscolare in individui diabetici e non diabetici sotto l'azione dell'insulina.** *Boll. Soc. med. chir. Modena*, 1926, 27: No. 2, 29-47.—**De Niederhausen, A.** L'azione dell'insulina sulla contrazione muscolare nella rana. *Ibid.*, 1929-30, 30: 157-72. Also *Boll. Soc. ital. biol. sper.*, 1930, 5: 870-2.—**Bünger, M.** Insulinwirkung und Muskelarbeit (nach gemeinsam mit Dr. Cramer durchgeführten Untersuchungen). *Verh. Deut. Ges. inn. Med.*, 1928, 40: Kongr., 249-54.—**Kramer, H.** Ueber den muskulären Angriffspunkt des Insulins. *Zschr. ges. exp. Med.*, 1928, 61: 449-64.—**Gemmell, C. L.** The effects of glucose and of insulin on the metabolism of the isolated diaphragm of the rat. *Bull. Johns Hopkins Hosp.*, 1941, 68: 329-36.—**Hamman, L., Jr.** The effect of insulin on glycogen deposition and on glucose utilization by isolated muscles. *Ibid.*, 50-7.—**Grzycki, S.** Muskelchiasmus und Insulin. *Klin. Wschr.*, 1934, 13: 1089.—**Honma, J.** Die Wirkung des Insulins auf Glykolyse und Zuckerumbau im Muskel. *Jap. J. M. Sc.*, 1925-27, 1: Tr., 165-81.—**Inawasiro, T.** Ueber den Einfluss von Insulin auf die Muskelgewebssattheit bei den reiskranken Tauben. *Tohoku J. Exp. M.*, 1932-33, 20: 544-52.—**Krebs, H. A., & Eggleston, L. V.** The effect of insulin on oxidations in isolated muscle tissue. *Biochem. J.*, Lond., 1938, 32: 913-25.—**Levine, R., Feinstein, R. N., & Soskin, S.** Studies on the mechanism of insulin action in skeletal muscle in vitro. *Fed. Proc.*, Balt., 1942, 1: pt. 2, 50 (Abstr.).—**Lundsgaard, C., & Holbøll, S. A.** [Further researches on insulin and the effect of glucose on the muscular tissue in man] *Ugeskr. læger*, 1926, 88: 106-8.—**Mackler, H., & Olmsted, J. M. D.** Changes in the chemical constituents of frog's muscle induced by insulin. *Univ. California Pub.*, 1929, 7: Physiol., 91-102.—**Mattioli, M.** Studio dell'attività muscolare in un diabetico trattato col'insulina. *Studium. Nap.*, 1930, 20: 452-5.—**Schwarz, H., & Taubenhaus, M.** Beiträge zum Wirkungsmechanismus des Insulins; über die Ammoniakbildung bei Muskelarbeit des Gesunden und des Diabetikers und deren Beeinflussung durch Insulin. *Biochem. Zschr.*, 1931, 236: 474-92.—**Shorr, E., & Barker, S. B.** In vitro action of insulin on minced avian and mammalian muscle. *Biochem. J.*, Lond., 1939, 33: 1798-809.—**Stadie, W. C., Zapp, J. A., jr., & Lukens, F. D. W.** The effect of insulin upon oxidations of isolated minced muscle tissue. *J. Biol. Chem.*, 1940, 132: 411-21.—**Stare, F. J., & Baumann, C. A.** The effect of insulin on muscle respiration. *Ibid.*, 133: 453-66.—**Stare, F. J., & Ricketts, H. T.** The effect of insulin on the respiration of human diabetic muscle. *Am. J. Physiol.*, 1941, 133: 461.—**Uselli, F.** Il metabolismo dei carboidrati nei muscoli e l'azione dell'insulina. *Terapia*, Milano, 1928, 18: 161.

Neural effect.

See also under **Insulin therapy.**

Bartley, S. H., & Heinbecker, P. Effect of insulin on nerve activity. *Am. J. Physiol.*, 1940-41, 131: 509-20.—**Glazov, V. A., & Petrov, F. P.** [Effect of insulin on the nervous system] *Biull. eksp. biol. med.*, 1941, 11: 291-3.—**Hughes, J.** The effect of insulin on the electrical activity of nerve. *Am. J.*

Physiol., 1940, 129: 386.—**Hurnyowiczówna, J., & Rubinstein** [Effect of insulin on the chronaxia of the nervous system of the vestibule of the ear in the rabbit] *Polska gaz. lek.*, 1936, 15: 987-92.—**—** Action de l'hypoglycémie et de l'hyperglycémie provoquées sur la chronaxie vestibulaire. *C. rend. Soc. biol.*, 1939, 131: 365-8.—**Nitzescu, I. L., & Rudeanu, A.** Action de l'insuline sur les chronaxies motrices. *Ibid.*, 1931, 116: 472-4.—**Olmsted, J. M. D.** La chronaxie des nerfs et des muscles de la grenouille insuliniée. *Arch. internat. physiol.*, Liège, 1928-29, 30: 202-4.

Neural effect: Autonomic nervous system.

Barone, V. G. Azione dell'insulina sull'eccitabilità del N. vago. *Arch. fisiol., Fir.*, 1930-31, 29: 394-402. Also *Arch. ital. biol.*, 1931-32, 86: 206-8.—**Danilevsky, V. Y., & Viukova, P. A.** [Effect of insulin on the parasympathetic system] *Vrach. delo*, 1929, 12: Acta medica, Suppl., 19-28. Also *Arch. exp. Path., Lpz.*, 1931, 159: 275-84.—**Dworkin, S.** Insulin and heart rate after sympathetic and vagotomy. *Am. J. Physiol.*, 1931, 96: 311-20.—**Fuchs, G., Garrelon, L.** [et al.] Nouvelles recherches sur l'action vagotonisante. *C. rend. Soc. biol.*, 1928, 99: 1780.—**Labbé, M.** Le réflexe oculo-cardiaque chez les diabétiques traités par l'insuline. *Ibid.*, 1924, 91: 616-8.—**Liaci, L.** Influenza dell'eserina sul potere ipoglicemizzante dell'insulina. *Boll. Soc. ital. biol. sper.*, 1939, 14: 461-3.—**Mueller, E. F., & Corbitt, H. B.** The effect of atropine and the rôle of the involuntary nervous system in insulin action. *J. Lab. Clin. M.*, 1925-26, 11: 817-23.—**Räihä, C. E., & Malm, P.** Ueber die durch das Insulin verursachte Verminderung des Vagus-effektes auf das Herz. *Skand. Arch. Physiol., Lpz.*, 1931, 61: 64-70.—**Rueckoldt, E.** Die Wirkung des Insulins auf den Herzvagus im Blutdruckversuch. *Klin. Wschr.*, 1929, 8: 2147.—**Tudimura, H.** Zur Frage der Beeinflussbarkeit parasympathischer Vorgänge durch Insulin. *Arch. ges. Physiol.*, 1934, 234: 255-7.—**Vas & Läng.** On the influence of parasympathetic poisons upon the action of insulin. *Magy. orv. arch.*, 1926, 27: 497-513.

Neural effect: Central nervous system.

Appel, K. E., Alpers, B. J. [et al.] Central nervous system changes produced by insulin. *Am. J. Psychiat.*, 1939-40, 96: 397-401, 2 pl.—**Divry, P., & Evrard, E.** Catalepsie insulinique réglable chez la souris. *J. belge neur. psychiat.*, 1937, 37: 382-92.—**Druey, J., & Delachaux, A.** Ueber den Wasser- und Salzgehalt des Gehirns und der Leber beim insulinierten Tier. *Zschr. ges. exp. Med.*, 1938, 103: 264-9.—**Inose, T.** Zur Histopathologie der Insulinwirkung auf das Gehirn. *Psychiat. neur. jap.*, 1939, 43: 67.—**Perikhaniantz, J. I.** [Increase of motor functions in tadpoles under the influence of insulin and dextrose] *J. eksp. biol.*, 1929, 11: 202-7.—**Stief, A., & Tokay, L.** Weitere experimentelle Untersuchungen über die cerebrale Wirkung des Insulins. *Zschr. ges. Neur. Psychiat.*, 1935, 153: 561-72.—**Zagami, V.** Sull'azione dell'insulina portata a diretto contatto dei centri nervosi. *Bol. Soc. ital. biol. sper.*, 1927, 2: 783-7.

Optical properties.

Beard, H. H., & Yersey, V. The specific rotary powers of glucose-insulin solutions in contact with muscle tissue in vitro. *J. Biol. Chem.*, 1926, 70: 167-71.—**Gerendás, M., & Bugyi, B.** [The absorption spectrum of Hungarian insulin] *Magy. orv. arch.*, 1938, 39: 336-41.—**Gram, C. N. J., & Nielsen, O. J.** Untersuchungen über die optische Aktivität von Insulin-Muskel-Glucose-NaCl-Mischungen, sowie einige Bemerkungen über die Wasserstoffionenkonzentration. *Biochem. Zschr.*, 1928, 201: 369-90. Also *Hospitalstidende*, 1928, 71: 699-725.—**Kanner, O., & Reed, G. J.** A polarographic study of insulin. *Proc. Soc. Exp. Biol., N. Y.*, 1939, 42: 387-91.—**Kuhn, W., Eyer, H., & Freudenberg, K.** Ueber Insulin; das optische Verhalten des Insulins und seiner Derivate. *Zschr. physiol. Chem.*, 1931, 202: 97-115.—**Tropp, C.** Polarographische Untersuchungen über Insuline. *Klin. Wschr.*, 1938, 17: 465-9.

Pharmacology.

BLUMBERG, A. *Ueber die Beeinflussung der Strophantinwirkung durch Insulin [Münster/Westf.] 15p. 21cm. Werne a. d. Lippe, 1935.

BRACKMANN, H. *Die Veränderungen der Digitalisempfindlichkeit durch Thyroxin und Insulin [Münster] 15p. 21cm. Werne a. d. Lippe, 1933.

MATELUNA CORREA, B. *Insulina [Univ. Chile] 31p. 8°. Santiago, 1930.

Blix, G. Zur Frage der Spezifität der Insulinwirkung. *Skand. Arch. Physiol., Lpz.*, 1925-26, 47: 292-301.—**Bolcato, V.** Infusso della florizina sull'azione dell'insulina in vitro. *Boll. Soc. biol. sper.*, 1926, 1: 372-4.—**Danielson, C. G.** Importance de l'opium sur l'action hypoglycémique de l'insuline. *C. rend. Soc. biol.*, 1926, 95: 1058-60.—**Davidson, C. F.** Insulin as a tonic. *Northwest M.*, 1929, 28: 564-7.—**Elias, H., & Violin, E.** Insulin als Antiemeticum. *Wien. klin. Wschr.*, 1927, 40: 678.—**—** Insulin als Antiemeticum; eine klinische und experi-

mentelle Untersuchung. Zschr. ges. exp. Med., 1928, 59: 61-75.—**Fisher, A. M., & Scott, D. A.** The effect of various substances on the action of insulin. J. Pharm. Exp. Ther., 1936, 58: 93-104.—**Goffin, R.** Inhibition de l'action cholagogique de la sécrétine et du cinchophène au cours de l'hypoglycémie insulinaire. C. rend. Soc. biol., 1936, 123: 97.—**Hartley, P.** Insulin and preservative; note on the effect of insulin solutions of varying reaction on the viability of staphylococci. Lancet, Lond., 1931, 2: 582.—**Hazard, R., Beaufils, J., & Lardé, R.** Action de la spartéine sur les effets hypoglycémiques de l'insuline. C. rend. Soc. biol., 1933, 113: 1039-41.—**Hetényi, G.** Der Einfluss von Säure und Alkali auf die Insulinwirkung in Kaninchenversuchen. Klin. Wschr., 1926, 5: 800.—**Partos, A., & Svec, F.** Die synergetische Wirkung der Milchsäure auf das Insulin. Arch. ges. Physiol., 1929, 222: 287-92.—**Robinson, G. W., jr.** Insulin as a sedative. Clin. M. & S., 1939, 46: 61-6.—**Sakata, S., & Katô, S.** Ueber den Einfluss des Insulins auf die mit einer Schwefelverbindung behandelte Entgiftung des Phenols. Fol. pharm. jap., 1931, 13: [Brev.] 15.—**Silberstein, F., & Kessler, S.** Ueber die Beeinflussung der Insulinwirkung durch Organextrakte, Ergotamin und Histamin. Biochem. Zschr., 1927, 181: 333-44.—**Weil, J. A.** Action antalgique des préparations d'insuline et injections intradermiques loco dolenti. Bull. Soc. méd. Paris, 1938, 787-92.—**Welsh, J. H.** The effects of insulin on the responses of the frog's heart and rectus abdominis to acetylcholine. Anat. Rec., 1942, 84: 472 (Abstr.).—**Wolkenhejm, S.** [Effect of insulin on certain properties of microbes] Med. dōsw., 1935, 20: 199-202.—**Zunz, E., & Perla, J.** Effets du phénoxy-l-diéthylamino-2-éthane et de diverses phénoxy-éthylamines sur l'action hypoglycémisante de l'insuline chez le chien. Ann. physiol., Par., 1935, 11: 920-5.

Placental permeability.

Corey, E. L. Placental permeability to insulin in the albino rat. Physiol. Zool., 1932, 5: 36-48.—**Olow, J.** Ueber den Uebergang von Insulin aus dem Fötus in die Mutter. Biochem. Zschr., 1930, 217: 475-81.—**Pack, G. T., & Barbar, D.** The placental transmission of insulin from fetus to mother. Am. J. Obst., 1928, 16: 115-7. Also Abstr. Internat. Physiol. Congr., 1929, 13. Congr., 198.—**Paroli, G.** Dell'insulina nel feto umano e nella placenta. Riv. ital. gin., 1924-25, 3: 687-709.—**Wollesen, J. M.** [Experimental studies on the effect of insulin on the rabbit fetus after injections into the mother] Hospitals-tidende, 1931, 74: 897-901.

Potency.

See also under **Insulin, Assay.**

Boirin, A., & Guillemet, R. Résultats de l'analyse élémentaire d'une préparation d'insuline active à 40 unités par mg. Bull. Soc. chim. biol., Par., 1928, 10: 415-21.—**Bürger, M.** Untersuchungen über Reduktions- und Wirkungsgrad technischer Insuline. Verh. Deut. Ges. inn. Med., 1932, 44. Kongr., 456-61.—**Gorodetsky, E. E.** [Increased action of insulin by magnesium sulphate] Sovet. vrach. J., 1937, 41: 1486-90.—**Jackson, R. L., & Boyd, J. D.** Relative efficiency of commercial forms of insulin. Proc. Soc. Exp. Biol., N. Y., 1939, 41: 15.—**Kölle, U.** Ueber die Anwendung von konzentrierten Lösungen von Insulin. Deut. med. Wschr., 1926, 52: 536.—**Mahler, P.** Ueber die Anwendung von konzentrierten Lösungen von Insulin. Ibid., 1172.—**Maxwell, L. C., & Bischoff, F.** Augmentation of the physiologic response to insulin. Am. J. Physiol., 1935, 112: 172-5.—**Semana, A.** Il potenziamento dell'insulina da parte della lecitina nella cura del diabete. Morgagni, 1934, 76: 796-8.

Preparations.

See also subheadings (crystalline; depot; Derivatives)

Just, W. *Tierexperimentelle Untersuchungen über die Wirkung neuer Insuline. 28p. 21½cm. Würzb., 1938.

Beardwood, J. T., jr. The newer insulins. Pennsylvania M. J., 1938-39, 42: 881-4.—**Biasotti, A., & Patalano, A.** Insulina; acción de los compuestos insolubles en el tratamiento de la diabetes; insulina-protamina; insulina-histona. Rev. As. méd. argent., 1938, 52: 435-41.—**Boulin, R.** Les nouvelles insulines. Presse méd., 1938, 46: 137-40.—**Cazzani, U., & Spiga, A.** Su un nuovo preparato insulinico. Minerva med., Tor., 1939, 30: pt 1, 449-53.—**Civetta, R.** L'insulina Belfanti ed il suo impiego nella pratica corrente. Terapia, Milano, 1928, 18: 257-63.—**Gariépy, L. H.** Nouvelles insulines. Union méd. Canada, 1942, 71: 499-501.—**Gavrilá, I.** [Insulin Dagewop in the treatment of diabetes] Cluj. med., 1929, 10: 162-4.—**[Insulin Ufarom in treatment of diabetes] Spitalul, 1940, 60: 355-60.—Graham, G.** The new insulins: third Lettsomian lecture. Brit. M. J., 1938, 1: 635.—**Greenhouse, B.** The newer insulins. Connecticut M. J., 1941, 5: 189.—**Grott, J. W., Wiesbaum, S., & Windyga, S.** [Polish insulin in comparison with foreign insulin] Polska gaz. lek., 1929, 8: 941-8.—**Gundry, L. P.** Insulin—new and old. Bull. Nurs. Alumnae Ass. Univ. Maryland, 1937, 38-40.—**Hollis, B. H.** The use of the newer insulin preparations. Kentucky M. J., 1937, 35: 323-6.—**Ide, M.** Sur les insulines. Rev. méd. Louvain, 1933, 48.—**Joffe, V. I., & Perevozskaja, N. O.** [Certain laboratory data on the characteristics of different insulin preparations]

Vrach. gaz., 1926, 30: 412-5.—**Kopelovich, M. A., & Sheuner-man, M. D.** [New insulin preparations] Vrach. delo, 1938, 20: 477-80.—**Luñ, F.** [Antiglycemic effect of insulin, combined with tannic acid, arginine, zinc protamine and sodium thio-sulfate] Polska gaz. lek., 1938, 17: 201-5.—**Manwaring, W. H.** Diantigenic insulin. California West. M., 1943, 58: 61.—**Masters, T. D.** The use of the newer insulins. Illinois M. J., 1940, 78: 319-23.—**Miller, G. L., & Andersson, K. J. I.** An ultracentrifuge study of reduced insulin. J. Biol. Chem., 1942, 144: 465-73.—**Ultracentrifuge and diffusion studies on native and reduced insulin in Duponol solution. Ibid., 475-86.—Morris, N.** The newer insulins. Glasgow M. J., 1940, 133: 1-19.—**New (The) insulins.** Prescriber, Edinb., 1937, 31: 373.—**Palmer, L. J., & Capaccio, G. D.** Present day insulins. Northwest M., 1941, 40: 400-3.—**Pezharskaia, V. V., Cherni-eva, E. P., & Vassilieva, V. A.** [Russian insulin in treatment of diabetes] Vrach. gaz., 1930, 34: 1197-200.—**Piazza, V. C.** L'insulina atossica nel diabete mellito. Cult. med. mod., Pal., 1924, 3: 385-93. Also Ann. clin. med., Pal., 1925, 15: 1-31, 10 ch.—**Sahyun, M., & Heyn, M.** Insulin preparation and process. U. S. Patent Off., 1940, No. 2,192,386.—**Sjöqvist, J., & Jorpes, E.** [Preparations of insulin in Sweden] Sven. farm. tskr., 1931, 35: 637-44.—**Strieck, F.** Experimentelle und klinische Untersuchungen über neue Insuline. Verh. Deut. Ges. inn. Med., 1938, 50. Kongr., 286-91. Also Deut. Arch. klin. Med., 1938, 182: 373-401.—**Warburton, R. A.** Insulin composition and process of preparing the same. U. S. Patent Off., 1940, No. 2,202,325.—**Wilder, R. M.** The new insulin. Minnesota M., 1937, 20: 6-15.

Preparations: Mixtures.

Colwell, A. R., Izzo, J. L., & Stryker, W. A. Intermediate action of mixtures of soluble insulin and protamine zinc insulin. Arch. Int. M., 1942, 69: 931-51.—**García López, G.** Nuevas experiencias con la protamina-zinc-insulina; exposición de un nuevo método de asociación con la insulina regular. Vida nueva, Habana, 1939, 44: 13-34. Also An. Acad. cienc. méd. Habana, 1939-40, 76: 89-113.—**Graham, G.** The use of a mixture of ordinary and protamine insulin. Acta med. scand., 1938, 96: Suppl. 90, 54-63.—**Sparks, M. I., & John, H. J.** The clinical use of mixtures of insulins. Ohio M. J., 1943, 39: 226-8.—**Ulrich, H.** Clinical experiments with mixtures of standard and protamine zinc insulins. Ann. Int. M., 1940-41, 14: 1166-79.—**Wauchope, G. M.** Zinc protamine insulin and soluble insulin interaction in combined doses. Lancet, Lond., 1940, 1: 962-6.

Preparations: Suspensions.

DAUNOIS, A. *L'emploi de l'insuline huileuse chez les diabétiques. 72p. 8° Par., 1932.

HERZLICH, C. *L'insuline huileuse dans le traitement du diabète sucré. 48p. 8° Par., 1932.

Chabanier, H., Lobo-Onell, C., & Lélou, E. Etude clinique d'une préparation d'insuline en suspension huileuse. Bull. Acad. méd., Par., 1930, 3. ser., 104: 158-65.—**Résultats obtenus à l'aide d'une suspension huileuse d'insuline, dans l'attaque des diabètes graves.** C. rend. Congr. fr. méd. (1930) 1931, 21. sess., 389-404. Also Presse méd., 1931, 29: 219-22.—**Remarques sur l'insuline huileuse et ses indications.** Ibid., 1933, 41: 377.—**Labbé, M., Boulin, R., & Daunois, A.** Le traitement du diabète par l'insuline huileuse. Bull. Acad. méd., Par., 1933, 3. ser., 109: 148-61. Also Presse méd., 1933, 41: 113-5.—**Labbé, M., Boulin, R., & Soulié, J.** Insuline huileuse. Bull. Soc. méd. hôp. Paris, 1930, 3. ser., 46: 1190-6.—**Leyton, O.** La administración de insulina en suspensión. Arch. méd., Madr., 1929, 30: 597-600. Also Bull. Soc. méd. hôp. Paris, 1929, 53: 779-84. Also Clin. M. & S., 1929, 36: 299-302. Also Lancet, Lond., 1929, 1: 756-9.—**Rathery, F., Levina, L., & Derot, M.** Insuline huileuse et diabète. Bull. Soc. méd. hôp. Paris, 1931, 3. ser., 47: 1622-8. Also J. méd. Paris, 1931, 51: 1118-20.—**Schill, I.** [Oily suspension of insulin] Örv. beil., 1935, 79: mell., 38.

Prolonged action.

See **Insulin, depot.**

Purification.

See under **Insulin, Manufacture.**

Research.

See also subheading **History.**

Blatherwick, N. R., Bischoff, F. [et al.] Studies on insulin. J. Biol. Chem., 1927, 72: 57-89.—**Blatherwick, N. R., Maxwell, L. C.** [et al.] Studies on insulin. Ibid., 1926, 67: p. xxxiii-xxxv.—**Dietrich, S., & Loewi, O.** Untersuchungen über Diabetes und Insulinwirkung. Arch. ges. Physiol., 1926, 215: 78-94.—**Du Vigneaud, V.** Some aspects of the study of insulin. J. Washington Acad. Sc., 1937, 27: 365-73.—**Hausler, H., & Loewi, O.** Untersuchungen über Diabetes und Insulinwirkung. Arch. ges. Physiol., 1926, 214: 370-9.—**Iscovesco, H., & Bouge, J.** Recherches sur l'insuline. C. rend. Congr. fr. méd., 1923, 17. sess., 326-31.—**MacLeod, J. J. R.** Studies in the use of insulin. N. York State J. M., 1923, 23: 397-9.—

Niito, S. On the supplemental studies of insulin. *Sei i kwai*, 1930, 49: H. 2, 16.—Studies on insulin. *Ann. Int. M.*, 1935-36, 9: 1437-9.

Secretion.

See also **Pancreas, Secretion.**

Cameron, A. T. The islets of Langerhans and insulin. In *his Recent Advance. Endocr.*, 4, ed., Phila., 1940, 136-86.—Choay, A. Quelques notions physiologiques sur la sécrétion interne du pancréas et l'insuline. *Rev. prat. mal. pays chauds*, 1929, 9: 186-95.—Dietrich, S. Untersuchungen über Diabetes und Insulinwirkung; der direkte Nachweis der Insulinssekretion des Pankreas. *Arch. exp. Path., Lpz.*, 1927, 125: 336-42.—Foa, C. Il pancreas come ghiandola endocrina; l'insulina. *Atti Soc. lombard. sc. med.*, 1927, 16: 420-33.—Gruzina, E. D. [Methods of preliminary evaluation of the contents of insulin in the pancreas] *Probl. endocrin.*, Moskva, 1939, 4: 59.—Houssay, B. A., & Deulofeu, V. La chimie et la sécrétion de l'insuline. *Erg. Vitam. Hormonforsch.*, 1939, 2: 297-346.—Kirchhof, E. G. [Methods in preliminary evaluation of the contents of insulin in the pancreas] *Probl. endocrin.*, Moskva, 1939, 4: 57.—Laughton, N. B., & Macallum, A. B. Note on the insular hormone. *J. Biol. Chem.*, 1935, 109: p. lii.—Marks, H. P., & Young, F. G. Species variation in the insulin content of pancreas. *Nature, Lond.*, 1940, 146: 31.—Miller, M. M., & Allen, O. P. A new mathematical method for the evaluation of endogenous insulin secretion. *Ann. Int. M.*, 1939-40, 13: 636-49.—Tavina, A. Insuline et sécrétion interne du pancréas. *Presse méd.*, 1928, 36: 325-7.—Scott, D. A., & Fisher, A. M. The insulin and the zinc content of normal and diabetic pancreas. *J. Clin. Invest.*, 1938, 17: 725-8.—Soler, F. L., & Schiavone, E. Acción insulínica de la secreción pancreática pura. *Prensa méd. argent.*, 1933-34, 20: 565-79. Also *Rev. san. mil.*, B. Air., 1937, 36: 39-60.

Secretion: Disorders.

See also **Blood sugar, low: Hyperinsulinism; Diabetes mellitus.**

Harris, S. Hyperinsulinism and dysinsulinism. In *Cyclop. Med. (Piersol-Bortz)* Phila., 1937, serv. vol., 190-6.—Himaworth, H. P. Insulin deficiency and insulin inefficiency. *Brit. M. J.*, 1940, 1: 719-22.—Houssa, P. La courbe d'hypoglycémie post-insulinique après ligature des canaux excrétoires du pancréas chez des chiens et état d'hyperfonctionnement glandulaire. *C. rend. Soc. biol.*, 1937, 124: 1252-4.—La Barre, J. L'insulinosécrétion au cours de l'hyperactivité de la portion exocrine du pancréas. *Ibid.*, 1939, 130: 69. — & Booleman, G. Les répercussions de la rétention de suc pancréatique sur l'insulino-sécrétion. *Arch. internat. physiol.*, Liège, 1932, 35: 409-30.—Nielsen, J. M., & Eggleston, E. L. Functional dysinsulinism with epileptiform seizures. *Bull. Battle Creek Sanit.*, 1931, 26: 88-94.—Zunz, E., & La Barre, J. Influence de l'hyperglycémie et de l'hypoglycémie des centres nerveux supérieurs sur l'insulinosécrétion. *Abstr. Internat. Physiol. Congr.*, 1929, 13. Congr., 299.

Secretion: Regulation.

See also subheading **Hormonal correlation.**

ETCHEVERRY, A. O. *Regulación nerviosa de la secreción interna del páncreas. 87p. 24cm. B. Air., 1937.

Ahlgren, G. Insulinssekretion nach Vagusreizung beziehungsweise Portaligatur. *Skand. Arch. Physiol.*, Berl., 1926, 48: 1-7.—Clark, G. A. The influence of the vagus nerves on the secretions of insulin. *J. Physiol.*, Lond., 1931, 73: 297-304.—Etcheverry, A. O. Excitation des nerfs vagues et sécrétion d'insuline. *C. rend. Soc. biol.*, 1937, 126: 156-9. Also *Rev. Soc. argent. biol.*, 1937, 13: 130-5.—Funk, C., Chamelin, I. M. [et al.] A study of hormonal factors which influence the production of insulin. *Science*, 1941, 94: 260.—Gayet, R., & Guillaumie, M. Sur la transmission par les nerfs vagues d'influx insulino-sécrétoires. *C. rend. Soc. biol.*, 1933, 112: 1194-7. — Expériences concernant l'effet de l'excitation électrique du vague sur l'insulino-sécrétion. *Ibid.*, 1197-201.—Grafe, E., & Meythaler, F. Zur Kenntnis der Regulation der Insulinproduktion. *Verh. Deut. Ges. inn. Med.*, 1927, 39. Congr., 182-4. — Beiträge zur Kenntnis der Regulation der Insulinproduktion; die Wirkung von Kohlenhydraten (ausser Traubenzucker) auf die Insulinabgabe. *Arch. exp. Path., Lpz.*, 1928, 131: 80-91. — Beiträge zur Kenntnis der Regulation der Insulinproduktion; die Wirkung von Anhydroskohlenhydraten, Zuckerderivaten und Zuckerspaltungsprodukten. *Ibid.*, 136: 360-9.—Houssay, B. A. Regulación de la secreción de insulina. *Actas Congr. panamer. endocr.*, 1941, 2. Congr., 9-20. Also *Resenha clin. cient.*, S. Paulo, 1941, 10: 196-8. — Foglia, V. G. [et al.] The hypophysis and secretion of insulin. *J. Exp. M.*, 1942, 75: 547-66.—Képinov, L., & Guillaumie, M. Sur l'existence possible de filets insulino-sécrétoires dans le nerf vague; expériences sur le chien hypophysectomisé. *C. rend. Soc. biol.*, 1935, 119: 149-53.—Kosaka, T. The control of the insulin output of the pancreas. *J. Physiol.*, Lond., 1933, 79: 416-22.—La Barre, J., & Vesselsky, O. Contributions à l'étude des variations physiologiques de la sécrétion interne du pancréas; le pneumogastrique, nerf insulinosécréteur chez le chat. *Arch.*

internat. physiol., Liège, 1933, 37: 188-201.—London, E. S., & Kochneva, N. P. [Neuro-lumoral mechanism of insulin secretion] *J. profil. subtyp. klin. med.*, Tashkent, 1934, 4: 13-5. — Inkretionendynamik; Mechanismus der Insulinsinkretion. *Arch. ges. Physiol.*, 1934, 234: 194-9.—MacLeod, J. J. R. Regulation of the secretion of insulin. *Lancet, Lond.*, 1930, 2: 512-9.—Staub, H. Ueber den Zuckerstoffwechsel des Menschen; Wirkung von Bluttransfusionen auf den Blutzuckerspiegel des Diabetikers; Beitrag zum Regulations-Mechanismus der Insulinssekretion. *Zschr. klin. Med.*, 1926, 104: 587-608.—Tuttle, G. H. A new theory of the production and regulation of insulin. *Med. Times, N. Y.*, 1929, 57: 213-5.—Zunz, E., & La Barre, J. Contributions à l'étude des variations physiologiques de la sécrétion interne du pancréas; relations entre les sécrétions externe et interne du pancréas. *Arch. internat. physiol.*, Liège, 1929, 31: 20-44. — Contributions à l'étude des variations physiologiques de la sécrétion interne du pancréas; répercussion de l'activité exocrine du pancréas sur l'insulino-sécrétion. *Ibid.*, 1930-31, 33: 142-58.

Secretion: Variation.

Aubertin, E., Lacoste, A. [et al.] Etudes sur l'état fonctionnel et anatomique du pancréas endocrine et sur sa teneur en insuline, chez les chiens soumis à un jeûne prolongé. *C. rend. Soc. biol.*, 1935, 120: 1107-10.—Best, C. H., Haist, R. E., & Ridout, J. H. Diet and the insulin content of pancreas. *J. Physiol.*, Lond., 1939-40, 97: 107-19.—Dohan, F. C. Analysis of insulin response of rabbits after injection of diabetic serum. *Proc. Soc. Exp. Biol.*, N. Y., 1938-39, 39: 24-8.—Feldman, J., Cortell, R., & Gellhorn, E. On the vaso-insulin and sympathetic-adrenal system and their mutual relationship under conditions of central excitation induced by anoxia and convulsant drugs. *Am. J. Physiol.*, 1940-41, 131: 281-9.—Fisher, A. M., & Scott, D. A. The insulin content of the pancreas in cattle of various ages. *J. Biol. Chem.*, 1934, 106: 305-10.—Gellhorn, E., Allen, A. [et al.] The influence of emotional excitement on the vaso-insulin system and insulin content of the blood. *Am. J. Physiol.*, 1941, 133: 289.—Griffiths, M. Effect of hexoestrol and alpha methyl stilbene on the insulin content of the pancreas of the rabbit. *Nature, Lond.*, 1943, 151: 82.—Herxheimer, G. Pankreas-Zellinseln und Insulin nach Unterbindung der Ausführungsgänge der Bauchspeicheldrüse. *Klin. Wschr.*, 1926, 5: 2299-302. — & Carpentier, E. Ueber das Verhalten der Langerhans'schen Zellinseln des Pankreas und die Insulinbildung nach Gangunterbindung. *Beitr. path. Anat.*, 1926-27, 76: 270-92. pl.—La Barre, J., & Booleman, G. Sur les causes de la frénation de l'insulino-sécrétion observée au cours de l'hyperactivité de la fonction exocrine du pancréas. *C. rend. Soc. biol.*, 1931, 108: 229-31. — Sur les effets insulino-inhibiteurs des injections de suc pancréatique. *Ibid.*, 1932, 109: 587-9.—La Barre, J., & Destrée, P. Insuline et sécrétion externe du pancréas. *Ibid.*, 1928, 98: 1237-9.—La Barre, J., & Lorthioir, P. L'insulino-sécrétion au cours des irradiations de la région pancréatique. *Tr. Inst. théor.*, Brux., 1932-33, 25: No. 11 [1-3] Also *Monit. endocrin.*, 1934, 2: 481.—Nitzescu, I. I. Existe-t-il une variation saisonnière dans la quantité de l'insuline? *C. rend. Soc. biol.*, 1927, 96: 68.—Zunz, E., & La Barre, J. Contribution à l'étude des variations physiologiques de la sécrétion interne du pancréas; de l'hyperinsulinémie consécutive à l'hyperglycémie provoquée par injection de dextrose. *Arch. internat. physiol.*, Liège, 1927, 29: 265-80. — Sur les causes de l'augmentation de la teneur en insuline du sang veineux pancréatique après l'injection intraveineuse d'adrénaline. *C. rend. Soc. biol.*, 1927, 97: 917-9. — L'activité exocrine du pancréas influence-t-elle l'insulino-sécrétion? *Ibid.*, 1930, 104: 790-2. — Contributions à l'étude des variations physiologiques de la sécrétion interne du pancréas; action de la thyroxine et de la thyroglobuline sur l'adrénalino-sécrétion et l'insulino-sécrétion. *Arch. internat. physiol.*, Liège, 1932, 35: 286-320. — Action de l'extrait parathyroïdien sur l'insulino-sécrétion. *Tr. Inst. théor.*, Brux., 1932-33, 25: No. 18 [1] — Contributions à l'étude des variations physiologiques de la sécrétion interne du pancréas; la méthode d'anastomose pancréatico-jugulaire comme procédé d'évaluation des variations de l'insulino-sécrétion. *Arch. internat. physiol.*, Liège, 1933, 37: 202-14. — Contributions à l'étude des variations physiologiques de la sécrétion interne du pancréas; action de l'hormone parathyroïdienne sur l'insulino-sécrétion. *Ibid.*, 215-36. — Action de l'extrait parathyroïdien sur l'insulino-sécrétion. *C. rend. Soc. biol.*, 1933, 112: 1544. — Contributions à l'étude des variations physiologiques de la sécrétion interne du pancréas; action de l'extrait rétrohypophysaire et de ses fractions hypertensive et ocyotique sur l'adrénalinosécrétion et l'insulinosécrétion. *Arch. internat. physiol.*, Liège, 1935, 41: 538-68. — Contributions à l'étude des variations physiologiques de la sécrétion interne du pancréas; action de la substance thyroïdienne d'origine antehypophysaire sur l'insulino-sécrétion. *Ibid.*, 1935-36, 42: 1-23. — Contributions à l'étude des variations physiologiques de la sécrétion interne du pancréas; action de la substance pancréatrotrope d'origine antehypophysaire sur l'insulinosécrétion. *Ibid.*, 95-110.

Spectral analysis.

See under subheading **Optical properties.**

Standardization.

See under subheading Assay.

Substitutes.

See also under proper names of substances as **Guanidine**.

De Nito, G. Ricerche sperimentali sull'azione tossicologica ed ipoglicemizzante della Aglucosina. *Rass. ter. pat. clin.*, 1930, 2: 397-405.—Desœd, D. [Insulin and insulin-like substances] *Allatorv. lap.*, 1939, 62: 239-44.—Ducloix, E., & Cordier, G. Extrait pancréatique de l'*Acanthias vulgaris*; son action comparée à celle de l'insuline du boeuf. *C. rend. Acad. sc.*, 1925, 181: 342-4.—Epstein, D. Insulin and insulin-like substances. *J. M. Ass. S. Africa*, 1930, 4: 722-4.—Frank, E. Insulinsatzmittel. *Arch. exp. Path., Lpz.*, 1928, 128: Suppl., 33-50. Also *Klin. Wschr.*, 1928, 7: 184. —Nothmann, M., & Wagner, A. Ueber synthetisch dargestellte Körper mit insulinartiger Wirkung auf den normalen und diabetischen Organismus. *Ibid.*, 1926, 5: 2100-7.—Gibelli, C. Considerazioni sopra gli insulinoidi vegetali. *Riforma med.*, 1939, 55: 834-8.—Gurje, A. [Substitutes for insulin in the treatment of diabetes] *Cas. lék. česl.*, 1928, 67: 537-41.—Hugonot, M., & Duran, M. Les succédanés de l'insuline. *J. méd. Paris*, 1940, 60: 260.—Kaufmann, E. Insulinsatzmittel; über die Wirkung des Jambulrindenextraktes. *Zschr. ges. exp. Med.*, 1928, 62: 160-4. —Insulinsatzmittel; über antidiabetische Stoffe in Hefe und Hefenucleinsäuren. *Ibid.*, 739-44.—Labbe, H. The vegetable insulinoids and their therapeutic indications. *Canad. M. Ass. J.*, 1936, 34: 141-4. —& Donard, E. Individualité des insulinoides végétaux et des vitamines B. *Bull. Acad. méd., Par.*, 1935, 3. ser., 113: 625.—Labbe, M. Insuline, synthaline et glykormont dans le traitement du diabète. *Médecine, Par.*, 1927-28, 9: 741-5.—Liass, M. A., & Vovsi, V. L. [Insulin like action of bean preparations] *Klin. med., Moskva*, 1930, 8: 1190-4.—Loewi, O. Glykamin und Insulin. *Klin. Wschr.*, 1927, 6: 2169-76.—Luntz, G. R. W. N. Insulin substitutes; resume of present-day knowledge. *Guy's Hosp. Gaz., Lond.*, 1940, 54: 285-8.—Minkowski, O. Synthetische insulinähnlich wirkende Substanzen. *Klin. Wschr.*, 1926, 5: 2107.—Mondini, E. Piruvato di sodio, azione insulino-simile. *Minerva med., Tor.*, 1941, 32: pt 1, 350 (Abstr.) (microfilm)—Nothmann, M. Ueber insulinartige Substanzen. *Klin. Wschr.*, 1926, 5: 297-9.—Oe, O. Beeinflussung des Blutzuckergehaltes durch die Inhalation einiger inkretorischer Organpräparate. *Acta dermat., Kyoto*, 1938, 31: 75-86.—Oretskin, S. B. [New synthetic remedies as substitutes for insulin in diabetes] *Vrach. delo*, 1927, 10: 199.—Rathery, F. Insuline et ses succédanés. In *Leçons du dimanche* (Carnot, P.) *Par.*, 1929, 1. ser., 206-31. —& Froment, P. Les succédanés de l'insuline. *Paris méd.*, 1937, 105: 442-51.—Rubino, P., Collazo, J. A., & Varela-Fuentes, B. Action comparée de l'insuline et de la décaméthylénediguanidine sur la richesse en glycogène du foie et du muscle chez le lapin. *C. rend. Soc. biol.*, 1928, 19: 178-80.—Simon, M. Ein neues Insulinpräparat. *Med. Welt*, 1929, 3: 652.—Teulé, P. Les succédanés de l'insuline. *Vie méd.*, 1927, 8: 307.—Wolf, M. Le traitement par voie buccale du diabète par une substance synthétique à action analogue à l'insuline. *Presse méd.*, 1927, 35: 260-2.—Zuelzer, G. Glykamin und Insulin. *Klin. Wschr.*, 1928, 7: 312.

Supply.

See under subheading Manufacture.

Tolerance.

See also subheading Toxicity; also **Insulin therapy** (Allergy; Resistance, etc.)

Acton, H. W., & Bose, J. P. The relationship of the colour of rabbits to their susceptibility to insulin. *Ind. J. M. Res.*, 1927-28, 15: 89-95.—Allen, F. M. Tolerance and toxicity of insulin; with forced administration of carbohydrate. *Ann. Int. M.*, 1938-39, 12: 1263-78.—Boller, R., & Ueberrack, K. Die Insulintoleranz bei Fällen von Ikterus. *Klin. Wschr.*, 1932, 11: 671-3.—Burke, J. C., & McIntyre, A. R. Nicotinic acid and the vitamin B complex in insulin tolerance. *J. Pharm. Exp. Ther.*, 1939, 67: 142-6.—Falta, W., & Boller, R. Ueber Insulintoleranz. *Klin. Wschr.*, 1932, 11: 668-71.—Fernbach, J. Die Insulinempfindlichkeit bei Gehirnerkrankungen. *Zschr. Zellforschung*, 1932, 16: 595-600.—Forsgren, E. Ueber die Insulintoleranz bei drei Fällen von Diabetes mellitus, die durch febrile Lungentuberkulose kompliziert waren. *Zschr. klin. Med.*, 1935-36, 129: 774-7.—Freeman, H., Looney, J. M. [et al.] Results of insulin and epinephrine tolerance tests in schizophrenic patients and in normal subjects. *Arch. Neur. Psychiat., Chic.*, 1943, 49: 195-203.—Gigante, D. Sur la limite de résistance du pigeon à l'action de l'insuline. *Arch. ital. biol.*, 1934-35, 92: 1-5.—Güdemann, J. Ueber anhaltende Toleranzsteigerungen durch Insulinkuren. *Wien. klin. Wschr.*, 1924, 37: 721-3.—La Barre, J., & Loieig, R. Sur l'insulinorésistance observée chez les cobayes porteurs d'un sarcome expérimental. *C. rend. Soc. biol.*, 1938, 129: 876-8.—McIntyre, A. R., & Burke, J. C. Vitamin B-deficient diets and insulin tolerance in the albino rat. *Am. J. Physiol.*, 1937, 119: 364. —Vitamin B complex and insulin tolerance. *Ibid.*, 1939, 126: 571.—Oberholzer, W. Ueber die Veränderung der Toleranz gegen-

über Insulin. *Allg. Zschr. Psychiat.*, 1940, 114: 271-89 (microfilm)—Pérez, M. Sul meccanismo della maggiore resistenza all'insulina del ratto portatore di sarcoma di Jensen. *Boll. Soc. ital. biol. sper.*, 1937, 12: 744.—Postoni, L. Tolleranza per l'insulina e per i suoi prodotti di scomposizione idrolitica. *Ibid.*, 1933, 8: 866.—Sendrail, M. La tolérance à l'insuline dans les syndromes hypophyso-tubériens. *Bull. Soc. méd. hôp. Paris*, 1929, 3. ser., 53: 1165-70. —L'épreuve de tolérance à l'insuline. *Ann. méd., Par.*, 1930, 27: 289-312.—Smith, G. v. S., & Marks, G. A. The increased tolerance of pregnant rabbits for insulin. *Surg. Gyn. Obst.*, 1930, 50: 586.

Toxicity.

See also **Insulin**, **Tolerance**; also subheadings of **Insulin therapy** (Allergy; Hypoglycemia, etc.)

Allen, F. M. Tolerance and toxicity of insulin; protamine and zinc compounds. *Ann. Int. M.*, 1938-39, 12: 1870-85. —& Rice, J. H. Tolerance to and toxicity of insulin; with spontaneous eating. *N. England J. M.*, 1938, 219: 77-83.—Allen, F. M., & Vicens, C. A. Surgical treatment of experimental insulin poisoning. *Endocrinology*, 1939, 24: 230-6.—Beardwood, J. T., jr., & Carmuth, J. W. Two cases of attempted suicide with protamine-zinc insulin. *Internat. Clin.*, 1939, n. ser. 2, 3: 240-5.—Buzzo, A., & Carratalá, R. E. La intoxicación por insulina. *Sem. méd., B. Air.*, 1939, 46: pt 1, 96-9.—Emmons, R. V. B. A case of insulin poisoning. *Lancet, Lond.*, 1924, 2: 1260.—Franke, G. Ein geräteter Fall von schwerster Insulinvergiftung. *Deut. med. Wschr.*, 1937, 63: 1728.—Helland-Hansen, B. [Psychosis following insulin-poisoning] *Norsk. mag. laegevid.*, 1937, 98: 1306-13.—Jackson, E. L. Acute fatal insulin poisoning. *J. Pharm. Exp. Ther.*, 1941, 72: 21.—Kastein, G. W. Ein Fall von Insulin-Vergiftung mit bleibenden neurologischen Erscheinungen. *Samm. Vergift.*, 1938, 9: A, 51-4. —Insulinvergiftung; klinische und pathophysiologische Beschreibung. *Zschr. ges. Neur. Psychiat.*, 1938, 163: 322-41. —Insulinvergiftung; neurologische und anatomisch-histologische Beschreibung. *Ibid.*, 342-61.—Quigley, J. P. Mental disturbances from atropine or novotropine given to subjects under the influence of insulin. *J. Am. M. Ass.*, 1937, 109: 1363.—Stief, A., & Tokay, L. Beiträge zur Histopathologie der experimentellen Insulinvergiftung. *Zschr. ges. Neur. Psychiat.*, 1932, 139: 434-61.—Walter, E. M. [Decrease of toxicity of insulin] *J. rann. detsk. vozr.*, 1932, 12: 65. Also *Zschr. ges. exp. Med.*, 1932-33, 85: 495-500.

INSULIN therapy.

See also **Blood sugar**, **high**; **Diabetes mellitus**, **Treatment**.

SOMMER, E. *Insulin und Insulintherapie. 32p. 8°. Würzb., 1925.

Du Bray, E. S. Newer clinical knowledge pertaining to insulin. *Am. Med.*, 1928, 23: 904-7.—Elias, H. Insulinbehandlung. *Wien. klin. Wschr.*, 1925, 38: 710.—Falta, W. Bemerkungen zur Insulinbehandlung. *Münch. med. Wschr.*, 1936, 83: 1258.—Gigon, A. Beitrag zur Insulintherapie. *Wien. med. Wschr.*, 1924, 74: 1103.—Graf, E. Adelantos en la insulinoterapia. *Día méd., B. Air.*, 1940, 12: 238-41.—Grapiole, A. C., & Basso, I. A. Insulinoterapia. *Rev. sudamer. endocr.*, B. Air., 1925, 8: 749-61.—Higgs, J. A. Insulin therapy. *S. Afr. M. J.*, 1938, 12: 590-3.—Horval, L. [Insulin therapy] *Gyógyászat*, 1934, 74: 323-6.—Károly, E. Az insulintherapiáról. *Orvosképzés*, 1934, 24: 314-23.—Lévai, M. [Insulin treatment] *Gyógyászat*, 1927, 67: 304-9.—Prado, S. A insulina na therapeutica. *Arch. brasil. med.*, 1930, 20: 469-78.—Stabler, M. K. Insulin crutches. *Hygeia, Chic.*, 1941, 19: 379-81.—Toscano, C. L'insulinoterapia nella pratica. *Policlinico*, 1932, 39: sez. prat., 1981-7.—Wells, C. A. Insulin therapy. *Quincy M. Bull.*, 1935-36, 13: 102-5.

Administration.

See also **Insulin** subheadings (Absorption; Metabolism)

Böttner, A., & Schuntermann, C. E. Ueber perlinguale und rektale Insulinwirkung. *Verh. Deut. Ges. inn. Med.*, 1930, 42. Kongr., 111-5.—Bürger, M., & Kohl, H. Ueber kristallinisches Insulin; die Bedeutung des Applikationsortes für Tiefe und Dauer der Insulinwirkung. *Arch. exp. Path., Berl.*, 1933, 173: 431-8.—Caizzone, G., & Parisi, P. Le modificazioni glicemiche in seguito ad iniezioni endovenose di insulina e glucosio ed in seguito ad iniezioni di insulina sottocute ed assorbimento di glucosio in soggetti normali e diabetici. *Arch. stud. fisiopat. ricambio*, 1936, 4: 335-73.—Chevillot, M., Harmand, J. [et al.] Sur les différences d'activité des injections d'insuline chez le lapin suivant la voie d'administration. *C. rend. Soc. biol.*, 1933, 112: 65-7.—Christie, C. D., & Hanzal, R. F. Insulin absorption by the conjunctival membranes in rabbits. *J. Clin. Invest.*, 1931, 10: 787-93.—González Deleito, F. La administración de la insulina. *Siglo méd.*, 1933, 92: 25-8.—Iakovlev, N. N. [On the site of insulin injection for action upon carbohydrate metabolism] *Biull. eksp. biol. med.*, 1941, 11: 303-6.—Kelley, I. V. Administration of insulin. In *her Textb. Nurs. Techn.*, 4. ed., Phila., 1940, 327-30.—Kohl, H. Ueber kristallinisches Insulin, die Wirkungsweise des suboccipital injizierten Insulins beim

Kaninchen. Arch. exp. Path., Berl., 1933, 173: 453-7.—**Lambert**, Influence de la voie d'administration sur les effets immédiats et éloignés de l'insuline. Ann. physiol., Par., 1933, 9: 785.—**Lamers, K. L. E.** Différence entre l'effet de l'insuline injectée par voie intraveineuse et sous-cutanée. C. rend. Soc. biol., 1926, 94: 1259-61.—**LeFever, H. E.** Essential determinations in the administration of insulin. Ohio M. J., 1924, 20: 30.—**McCullagh, E. P., & Lewis, L. A.** Studies on the effectiveness of insulin implants. Cleveland Clin. Q., 1942, 9: 153-6.—**Comparison of effectiveness of various methods of administration of insulin.** J. Clin. Endocr., 1942, 2: 435-7.—**Martin, L.** Studies on the effects of the administration of insulin by iontophoresis. Proc. Soc. Exp. Biol., N. Y., 1938, 38: 564-6.—**Mauriac, P., & Gandy, A.** De l'administration de l'insuline par voie intratrachéale. C. rend. Soc. biol., 1925, 93: 1524-6.—**Mouzon, J.** Peut-on administrer l'insuline sans piqures? Presse méd., 1929, 37: 1639-43.—**Murphy, W. P.** The administration of insulin. J. Am. M. Ass., 1924, 82: 1264.—**Popescu-Intesti, C.** L'insuline par voie rachidienne; insuline et épiglandol. Rev. fr. endocr., 1924, 2: 346-8.—**Schmidt, A. A.** Ueber die Wirkung des Insulins in Abhängigkeit von der Anwendungsmethode. Zschr. ges. exp. Med., 1930, 73: 599-607.—**Stoner, W. C.** Management of the diabetic patient, with special reference to the administration of insulin. Am. J. M. Sc., 1924, 167: 189-93.—**Supniewski, J. V., Isikawa, Y., & Geiling, E. M. K.** The effect of insulin injected into the cerebrospinal fluid. J. Biol. Chem., 1927, 74: 241-6.—**Watson, E. M.** The comparative efficacy of various methods for administering insulin. Canad. M. Ass. J., 1940, 43: 44-7.

Administration, cutaneous (intra-, per-, sub-)

Andre, M. G. *Quelques applications dermiques et transdermiques de l'insuline [Paris] 63p. 24cm. Tourecoing, 1939.
Kathöfer, J. *Experimenteller Beitrag zur Frage der perkutanen Insulinwirkung [München] 24p. 21cm. Speyer a. Rh., 1938.
Lenuweit, F. *Experimentelle Ergebnisse über perkutane Insulinresorption. 21p. 8°. Königsb., 1931.
Abreu, B. E., & Emerson, G. A. Skin absorption of insulin with *Mucuna pruriens*. Univ. California Pub., 1938, 1: Pharm., 49-54.—**Bartlett, W. M.** The effect of hypodermic insulin on the fasting blood sugar in normal and diabetic subjects in relation to percentage normal weight. J. Lab. Clin. M., 1926-27, 12: 115-8.—**Bruger, M., & Flexner, J.** Integrity of the skin in relation to cutaneous absorption of insulin. Proc. Soc. Exp. Biol., N. Y., 1936, 37, 35: 429-32.—**Capuani, G. F.** Somministrazione dell'insulina per via percutanea. Minerva. med., Tor., 1936, 27: pt 2, 224-8.—**Edelstein, E., & Vollmer, H.** Zur Biologie der Haut; die intracutane Insulinwirkung bei Diabetikern. Zschr. ges. exp. Med., 1926, 50: 297-300.—**Enger, R.** Der zeitliche Einfluss subcutaner Insulininjektionen und der Nahrungszufuhr auf den Blutzuckerspiegel. Klin. Wschr., 1932, 11: 61-3.—**Fornet, W.** Experimentelle Grundlagen der perkutanen Insulinwirkung. Ibid., 1935, 14: 1759.—**Harrison, G. A.** Insulin by inunction a failure. Q. J. Med., Oxf., 1926-27, 20: 187-92.—**Hermann, S., & Kassowitz, H.** Aufnahme und Schicksal des auf die lebende Haut applizierten Insulins. Arch. exp. Path., Berl., 1935, 179: 524; 529.—**Experimentelle Grundlagen der perkutanen Insulinwirkung.** Klin. Wschr., 1935, 14: 1531-4.—**Kingisepp, G., & Talli, I.** Percutane Insulinresorption. Ibid., 1939, 18: 1323.—**Maier-Weinertgrün, D.** Versuche mit der Insulinsalbe Ilocutan, Ibid., 1936, 15: 1245-7.—**Major, R. H.** Insulin absorption from application to the skin. Proc. Soc. Exp. Biol., N. Y., 1936, 34: 775-8.—**Delp, M.** Cutaneous absorption of insulin. Ibid., 1937-38, 37: 338-40.—**Parkes, A. S., & Young, F. G.** The influence of the subcutaneous implantation of tablets of solid insulin on the blood sugar level of the rabbit. J. Endocr., Oxf., 1939, 1: 108-16, pl.—**Pribram, H.** Klinische Beobachtungen über die percutane Wirkung von Insulin bei Diabetikern. Klin. Wschr., 1935, 14: 1534-6.—**Pupko, S. G.** [Intracutaneous use of insulin] Vrach. gaz., 1931, 35: 1677.—**Sahyun, M.** The effect of subcutaneous injections of crystalline insulin on the blood sugar of fasting rabbits. J. Lab. Clin. M., 1939-40, 25: 619-23.—**Stephan, R.** Ueber die Wirkungsart des gallensauren Insulins bei subcutaner Anwendungsform. Deut. med. Wschr., 1930, 56: 88-91.—**Wallgren, A.** Versuche mit perkutaner Insulinbehandlung. Münch. med. Wschr., 1924, 71: 10. Also Upsala lak. fören. förh., 1924, 24: 57-61.—**Wilkoewitz, K., & Lenuweit, F.** Ueber perkutane Insulinresorption. Zschr. Zellforsch., 1932, 16: 621-6.

Administration: Inhalation.

Schiebe, H. *Die Wirkung der Insulininhalation bei Atmungsvertiefung durch Kohlensäure. 17p. 8°. Königsb., 1933.
Gänsslen, M. Ueber Inhalation von Insulin. Klin. Wschr., 1925, 4: 71.—**Heubner, W., Jongh, S. E. de, & Laquer, E.** Ueber Inhalation von Insulin. Ibid., 1924, 3: 2342.—**Wilkoewitz, K., & Schiebe, H.** Die Wirkung der Insulininhalation bei Atmungsvertiefung durch Kohlensäure. Zschr. ges. exp. Med., 1931, 78: 757-63.

Administration, nasal.

Collens, B. S., & Landowne, M. Absorption of insulin by nasal membrane. Sunti Congr. internaz. fisiol., 1932, 14. Congr., 55.—**Collens, W. S., & Goldzieher, M. A.** Absorption of insulin by nasal mucous membrane. Proc. Soc. Exp. Biol., N. Y., 1932, 29: 756-9.—**Horwitz, S.** Ueber die endonasale Applikation von Insulin. Zschr. klin. Med., 1931, 116: 622-31.—**Major, R. H.** The intranasal application of insulin. J. Lab. Clin. M., 1935-36, 21: 278-80.—**The intranasal application of insulin, experimental and clinical experiences.** Am. J. M. Sc., 1936, 192: 257-63.—**Wassermeyer, H., & Schäfer, A.** Ueber die endonasale Applikation des Insulins. Klin. Wschr., 1929, 7: 210. Also Med. Klin., Berl., 1930, 26: 474-6.

Administration, oral and enteral.

Böhmländer, J. *Ueber enterale Insulinwirkung [Erlangen] 19p. 21cm. Bottrop, 1935.
Hoffmann, A. *Ueber enterale und perorale Insulinwirkung [Erlangen] 31p. 21cm. Kallmünz, 1935.
Korbsch, G. [M. H.] *Klinische Untersuchungen über perlingual zugeführtes Insulin bei Zuckerkranken. 16p. 8°. Bresl., 1925.
Peskind, S. The absorption of insulin from the upper alimentary tract in the presence of citrated blood plasma; a preliminary report. 7p. 12°. [Cleveland, 1935]
Plathner, U. *Ueber die Wirkung des peroralen Insulin Cholosulin auf den Blut- und Harnzucker Stoffwechselgesunder und Diabetiker [Rostock] 14p. 8°. Würzb., 1936.
Rachinger, H. *Ueber enterale Insulinwirkung; Beitrag. 26p. 21½cm. Erlangen, 1936.
Stocker, K. *Ist das perorale Insulin Cholosulin (Phargamans) in der Behandlung des Diabetes praktisch verwertbar? 29p. 8°. Marb., 1930.
Thais, G. E. *Contribution à l'étude de l'efficacité de l'insuline par la voie digestive. 123p. 8°. Par., 1937.
Werner, R. *Ueber enterale Insulinwirkung [Erlangen] 29p. 8°. Nürnberg, 1934.
Zimmermann, G. *Ueber enterale und perorale Insulinwirkung; Beitrag. 21p. 8°. Erlangen, 1936.
Asai, S. Ein Beitrag zur Darreichungsweise von Insulin. Nagoya J. M. Sc., 1934, 7: 217-44.—**Bernhardt, H., & Strauch, C. B.** Zur Frage der peroralen Insulindarreichung. Zschr. klin. Med., 1926, 104: 767-75.—**Blum, L.** L'administration perlinguale de l'insuline. C. rend. Acad. sc., 1924, 178: 1225. Also C. rend. Soc. biol., 1924, 91: 199-201.—**Bollman, J. L., & Mann, F. C.** Enteral administration of insulin to normal dogs. Am. J. M. Sc., 1931, 183: 23-30.—**Bratusch, A.** Cholosulin und perorale Diabetesbehandlung. Münch. med. Wschr., 1930, 77: 715.—**Broccio, L.** Ricerche sull'azione dell'insulina somministrata per via orale. Rass. internaz. clin. ter., 1936, 17: 835-42.—**Bronkhorst, A. J., van, de Jongh, S. E., & Laquer, E.** [Effect of peroral administration of insulin and desoxydrolic acid] Ned. tschr. geneesk., 1930, 74: pt 1, 3270-83.—**Brugsch, T., & Horsters, H.** Ueber die Einwirkung von peroral zugeführtem Insulin auf den Blutzucker (vorläufige Mitteilung) Münch. med. Wschr., 1930, 77: 8.—**Carrasco Formiguera, R.** Sobre la administración de la hormona pancreática (insulina) por vía digestiva (estudio de algunos preparados que se expenden como opoterápicos antidiabéticos) Rev. méd. Barcelona, 1925, 2. ser., 4: 6-16.—**Chrometzka, F., & Wedderer, W.** Untersuchungen über Insulinresorption des Darmkanals. Zschr. ges. exp. Med., 1935-36, 97: 640-4.—**Collazo, J. A., & Rubino, P.** Primäre glykogenisierende Leberwirkung peroraler Insulingaben. Klin. Wschr., 1930, 9: 217.—**Application de l'insuline per os et accumulation du glycogène dans le foie comme effet initial de cette application.** Strasbourg méd., 1930, 90: 471.—**Acción de la insulina por vía oral sobre la glucogénesis del conejo.** Arch. Soc. biol. Montevideo, Supp., 1930-32, 374-7.—**Dingemans, E., & Laquer, E.** Ueber die angelegliche Wirkung des Insulins bei der Darreichung per os in Gegenwart von Saponin. Arch. exp. Path., Lpz., 1927, 126: 31-6.—**Driver, R. L., & Murlin, J. R.** Factors in the absorption of insulin from the alimentary tract. Am. J. Physiol., 1941, 132: 281-92.—**Eckhart, F.** Neue Behandlungsmöglichkeit des Diabetes mellitus mit einem wirksamen

- peroralen Pankreas-Insulinpräparat. Wien. med. Wschr., 1933, 83: 345.—**Elmer, A. W., & Scheps, M.** Zur Frage der peroralen Wirkung des gallensauren Insulins bei Diabetes mellitus. Münch. med. Wschr., 1930, 77: 931.—**Elzas, M.** [Administration of insulin per os] Ned. tsehr. geneesk., 1926, 70: pt 2, 1650.—**Fornet, W.** Ueber klinische Prüfung peroraler Insulinpräparate. Deut. med. Wschr., 1926, 52: 1946.
- Zur Frage der peroralen Resorption von Insulin. Wien. klin. Wschr., 1926, 39: 1109. — Sur l'efficacité de l'insuline buccale. Presse méd., 1930, 38: 406.—**Freud, P.** Ueber perorale Insulinwirkung und perorale Insulintherapie. Münch. med. Wschr., 1929, 76: 1846.—**Frommel, E., Bischler, A. [et al.]** L'absorption entérale de l'insuline: étude expérimentale. Rev. méd. Suisse rom., 1940, 60: 1109-36.—**Giuliani, G.** Insulinoterapia orale. Diagnosi, 1935, 15: 268-90.—**Gjertz, E.** De quelques essais d'administration de l'insuline par voie buccale spécialement au point de vue de l'âge des patients et de l'état fonctionnel de l'estomac. Acta med. scand., 1924-25, 61: 295-300.—**Grote, L. R.** Ueber Cholosulin. Arch. Verdauungskr., 1930, 48: 1-24.—**Hanzlik, P. J., & Cutting, W. C.** Agents promoting gastrointestinal absorption of insulin. Endocrinology, 1941, 28: 368-74.—**Harned, B. K., & Nash, T. P., Jr.** The protection of insulin by antiproteases, and its absorption from the intestine. J. Biol. Chem., 1932, 97: 443-56.—**Harrison, G. A.** Insulin in alcoholic solution by the mouth. Brit. M. J., 1923, 2: 1204.—**Harrower, H. H.** Insulin by the mouth. Am. Med., 1924, n. ser., 19: 584-6.—**Horvai, L.** [Administration of insulin per os] Gyógyászat, 1930, 70: 306.—**Katsube, C.** Ueber die interne Insulinbehandlung und die Wirkung der Insulinpillen Fornet. Arch. Verdauungskr., 1927, 40: 433-6.—**Komissarenko, V. P.** [Peroral treatment of diabetes with insulin and other preparations] Probl. endokr., Moskva, 1941, 6: No. 2, 93-103.—**Korbsch, J.** Ueber perlingual zugeführtes Insulin bei Zuckerkranken. Klin. Wschr., 1925, 4: 2327.—**Kühn, R.** Cholosulin und Blutzuckertageskurve. Deut. med. Wschr., 1930, 56: 1341.—**Lange, F., & Loewe, S.** Zur Frage der peroralen Insulinwirkung. Ibid., 1929, 55: 2132.—**Lasch, F.** Zur Frage der peroralen Verabreichung von Insulin unter Beigabe von Saponin. Arch. exp. Path., 1927, 123: 284-91.—**Lasch, F., & Brügel, S.** Versuche die perorale Insulinmedikation betreffend. Med. Klin., Berl., 1926, 22: 1587. — Zur Frage der peroralen Resorption von Insulin durch Beigabe von Saponin. Wien. klin. Wschr., 1926, 39: 817. — Ueber die perorale Resorption von Insulin durch Beigabe von Saponin. Arch. exp. Path., 1927, 120: 144-55.—**Lasch, F., & Schönbrunner, E.** Experimentelle Untersuchungen über die enterale Insulinresorption. Arch. exp. Path., Berl., 1935-36, 180: 469-78. — Weitere Untersuchungen über die enterale Insulinresorption; über den Schutz des Insulins gegen Trypsin. Ibid., 1936, 182: 452-8. — Experimentelle Untersuchungen über perorale Insulintherapie unter Beigabe organischer Farbstoffe. Klin. Wschr., 1938, 17: 1117-80.—**Löwenstein, W., & Merdinger, O.** Experimentelle Prüfung oraler Insulinverabreichung. Wien. Arch. inn. Med., 1927, 14: 523-36.—**Martini, E.** Azione di un'insulina precipitata somministrata oralmente. Boll. Soc. Ital. biol. sper., 1931, 6: 193.—**Martini, P., & Nagel, W.** Ueber die perorale Behandlung des Diabetes mellitus mit Cholosulin. Münch. med. Wschr., 1930, 77: 1009-12.—**Maugeri, S.** L'azione dell'insulina somministrata per via orale. Gior. clin. med., 1931, 12: 501-7.—**Meyer, W. B., & Oppenheimer, A.** Ueber klinische Prüfungen peroraler Insulinpräparate. Deut. med. Wschr., 1926, 52: 1720-2.—**Miller, H. R.** The use of insulin by mouth. Arch. Int. M., 1926, 38: 779-84.—**Moracchini, R., & Herlitzka, L.** Sulla terapia perorale del diabete. Gior. Accad. med. Torino, 1930, 93: 269-85.—**Murlin, J. R., Gibbs, C. B. F. [et al.]** Effectiveness of per-oral insulin in human diabetes. J. Clin. Invest., 1940, 19: 709-22.—**Murlin, J. R., & Hawley, E. E.** Absorption of insulin from the alimentary tract of depancreatized dogs, when protected by blood serum. Am. J. Physiol., 1927, 83: 147-61.—**Murlin, J. R., Sutter, C. C. [et al.]** Some favorable effects from the alimentary administration of insulin. Proc. Soc. Exp. Biol., N. Y., 1923-24, 21: 338-40. Also Endocrinology, 1924, 8: 331-9.—**Murlin, J. R., Tomboulis, R. L., & Pierce, H. B.** Absorption of insulin from Thiry-Vella loops of the intestine in normal and depancreatized dogs. Am. J. Physiol., 1937, 120: 733-43.—**Nagel, W.** Perorale Insulintherapie. Verh. Ges. inn. Med., 1930, 42. Kongr., 121-4.—**Olsen, O.** [Effects of insulin absorbed by the oral mucosa] Ugeskr. læger, 1929, 91: 173.—**Ottow, M.** Erfahrungen mit peroralem Insulin bei kindlichem Diabetes mellitus. Münch. med. Wschr., 1929, 76: 1584.—**Piper, H. A., & Murlin, J. R.** The influence of insulin administered by alimentary tract on the blood sugar of etherized and adrenalectomized animals. Proc. Soc. Exp. Biol., N. Y., 1924-25, 22: 68.—**Puesko, O.** Der Einfluss peroraler Traubenzuckergaben in Kombination mit Insulin auf den Ketongrößerspiegel in Blut und Harn bei Diabetes mellitus. Deut. Arch. klin. Med., 1930, 167: 57-68.—**Rathery, F., Dérot, M., & Traversé, P. M. de.** Sur l'hypoglycémie consécutive à l'absorption digestive de l'insuline. C. rend. Acad. sc., 1939, 208: 385-7.—**Reis, V. van der, & Schlomka, G.** Zur Frage der Wirkung enteral verabfolgten Gallensaure-Insulins. Münch. med. Wschr., 1930, 77: 1012.—**Sacks, D. R.** Regulation of blood sugar in diabetes by the sub-lingual administration of insulin. Texas J. M., 1941-42, 37: 39-42.—**Salén, E.** Einige Versuche mit peroraler Darreichung von Insulin. Acta med. scand., 1924, 60: 74-87. — [Observations on cholosulin] Sven. läk. tidn., 1931, 28: 97-109. — Einige Bemerkungen über den therapeutischen Wert des Cholosulins. Acta med. scand., 1931-32, 77: 51-76.—**Samek, G.** Zur Frage der peroralen Insulinzufuhr. Zschr. ges. exp. Med., 1928, 62: 707-16.—**Scott, D. A., Charles, A. F., & Waters, E. T.** The oral administration of insulin derivatives. Tr. R. Soc. Canada, 1932, 3. ser., 26: 287-93.—**Sealock, R. R., Murlin, J. R., & Driver, R. L.** A comparative study of the effect of alkylresorcinols and related compounds upon the absorption of insulin from isolated intestinal loops of anesthetized dogs. Am. J. Physiol., 1939-40, 128: 92-6.—**Seide, J.** Die Beeinflussung der Blutzuckerkurve durch perorale Insulingaben. Arch. Verdauungskr., 1931, 50: 112-4.—**Serio, F., & Bongiovanni, V.** Sulla somministrazione dell'insulina per via orale e su alcuni composti ad azione ipoglicemizzante. Riforma med., 1928, 44: 381.—**Stasiak, A.** Ueber die Unwirksamkeit des direkt in den Darm eingeführten Insulins und Versuche zu deren Erklärung. Biochem. Zschr., 1927, 183: 24-34.—**Steinitz, E., & Thau, E.** Ueber Wirksamkeit und praktische Verwendbarkeit des Cholosulin-Stephan. Arch. Verdauungskr., 1931, 49: 201-15.—**Stephan, R.** Ueber perorale Insulinwirkung und perorale Insulintherapie. Münch. med. Wschr., 1929, 76: 1579-84.
- Praktische Ergebnisse und Indikationen der Diabetesbehandlung mittels peroraler Insulinzufuhr. Med. Klin., Berl., 1930, 26: 228-32.—**Sulzbacher, B.** Zur Frage der Wirksamkeit peroral verabreichten Insulinniederschlags. Deut. med. Wschr., 1932, 58: 1604.—**Taccani, G.** Contributo alla cura delle glicosurie iperglicemiche con preparati insulinici per via orale. Pensiero med., 1935, 24: 404-11.—**Umber, F.** Ueber klinische Prüfungen peroraler Insulinpräparate. Deut. med. Wschr., 1926, 52: 1947. — **Rosenberg, M.** Ist das perorale Insulin-Stephan (Cholosulin) bei der Diabetesbehandlung praktisch verwertbar? Ibid., 1930, 56: 169; 213.—**Wahncow, E., & Bertram, F.** Experimentelle und klinische Untersuchungen zur Resorptionsvermittlung des Insulins. Klin. Wschr., 1931, 10: 486-9.—**Walton, R. P., & Bassett, E. F.** Enteral absorption of insulin. Proc. Soc. Exp. Biol., N. Y., 1933, 30: 1184.—**Wolff, S.** Zur Cholosulinbehandlung des kindlichen Diabetes. Zschr. Kinderh., 1930-31, 50: 768-74.—**Young, L. E., Phillips, W. A., & Murlin, J. R.** New results on the absorption of insulin from the alimentary tract. Am. J. Physiol., 1939-40, 128: 81-91.—**Zancan, B., & Schiavina, M.** Recenti tentativi di mantenere attiva l'insulina somministrata per os. Minerva med., Tor., 1939, 30: pt 1, 29-33.
- Administration, portal.
- STEIGERWALDT, F., & KURTEN, H. F.** *Untersuchungen über die Wirkung von intraportal injiziertem Insulin. p.38-47. 23cm. Münch. [1936]
- Also Zschr. ges. exp. Med., 1936, 100:
- Arborelius, M., & Akerrén, Y.** Studien über die Wirkung von in das Portagebiet eingeführtem Insulin. Skand. Arch. Physiol., Berl. 1927, 50: 35-51.—**Aubertin, E., & Trinquier, E.** De l'action hypoglycémisante de l'insuline administrée dans le système porte chez le chien. C. rend. Soc. biol., 1933, 112: 583.—**Bøggild, D. H.** Experiments on insulin administration through the portal system in dogs. Acta path. microb. scand., 1928, 5: 118-28.—**Collazo, J. A., & Rubino, P.** Acción de la insulina por vía de la vena porta sobre la glucogénesis del conejo. Arch. Soc. biol. Montevideo, Suppl., 1930-32, 369-73.—**Collens, W. S., & Murlin, J. R.** Hyperglycemia following the portal injection of insulin. Proc. Soc. Exp. Biol., N. Y., 1928-29, 26: 485-90.—**Steigerwaldt, F., & Kúrtén, H. F.** Untersuchungen über die Wirkung von intraportal injiziertem Insulin. Zschr. ges. exp. Med., 1936-37, 100: 38-47.—**Varela Fuentes, B., Collazo, J. A., & Rubino, P.** Insulina y sintalina inyectadas por la vena porta. Rev. As. méd. argent., 1927, 40: 613-30.
- Administration, rectal.
- Brahn, B.** Insulin suppositories. Lancet, Lond., 1940, 1: 829-31.—**Caltabiano, D.** Sull'assorbimento dell'insulina per la mucosa rettale. Gazz. internaz. med. chir., 1926, 31: 385.—**Labbé, M., Nepveux, F., & Forsans, P.** L'emploi de l'insuline en suppositoires. Bull. Soc. méi. hôp. Paris, 1924, 3. ser., 48: 1431-4.—**Montefusco, C.** Sulla pretesa efficacia della somministrazione insulinica per via rettale. Rass. internaz. clin. ter., 1934, 15: 953-61.—**Peskind, S.** Experiments on the adsorption of insulin from the rectum in human diabetics. J. Metab. Res., 1924, 6: 207-28.—**Salvioli, G.** Applicazione endorettale dell'insulina. Pediatria (Riv.) 1929, 37: 735-8. — **& Corbini, G.** Ulteriori studi sugli effetti dell'introduzione per il retto dell'insulina; contributo alla conoscenza della funzione di assorbimento negli ultimi tratti dell'intestino. Ibid., 1930, 38: 921-36.—**Stenström, T.** Quelques essais d'administration de l'insuline par le rectum. C. rend. Soc. biol., 1924, 90: 518-20.—**Wuhrmann, F.** Ueber Insulinwirkung durch rektale Zufuhr mit Suppositorien beim Diabetiker. Schweiz. med. Wschr., 1939, 69: 787-9.
- Administration, vascular.
- Bardenat & Léonardon.** L'insulinothérapie par voie endoveineuse. Ann. méd. psychol., Par., 1939, 97: pt 1, 220-5.—**Baudouin, A., Azérad, E., & Lewin, J.** Injection continue d'insuline chez le chien; dose limite par voie intraveineuse

périphérique. C. rend. Soc. biol., 1935, 120: 760-71. — Sur la différence d'activité de l'insuline injectée par la voie intraveineuse et la voie artérielle. Ibid., 1938, 127: 772-4. — **Bodansky, A., & Simpson, S.** The blood-sugar of normal human subjects after the intravenous injection of insulin. Q. J. Exp. Physiol., Lond., 1927-28, 17: 57-64. — **Collens, W. S., & Grayzel, H. G.** Blood sugar response to intravenous insulin in normals and in diabetics. Proc. Soc. Exp. Biol., N. Y., 1930-31, 28: 487-9. — **Guarino, A., & Steltatelli, M.** Studio clinico-sperimentale sull'insulina iniettata endovena; sul comportamento della curva glicemica da iniezione endovena d'insulina nel diabete mellito ed in alcune affezioni del parenchima epatico. Gior. clin. med., 1935, 15: 1132-47. — **Hess Thaysen, T. E.** [Clinical researches on the effects of intravenous insulin injections] Hospitalstidende, 1930, 73: 357-71. — **Heymans, J. F., & Heymans, C.** Sur la disparition de l'insuline du milieu sanguin après injection intraveineuse. C. rend. Soc. biol., 1927, 96: 719. — **Lévai, M., & Waldbauer, O.** [Intracardial use of insulin] Gyógyászat, 1926, 66: 543-6. — **Meythaler, F., & Kleineidam, E.** Der Blutzuckerabfall beim Menschen nach intravenöser Insulindarreichung. Arch. exp. Path., Berl., 1935, 178: 315-9. — **Nordsted, A., Norgaard, A., & Hess Thaysen, T. E.** [Clinical researches on the effect of intravenous insulin injections] Hospitalstidende, 1929, 72: 881; 1103. — **Norgaard, A., & Hess Thaysen, T. E.** Clinical investigations into the effect of intravenous injection of insulin; the blood sugar curve in normal individuals. Acta med. scand., 1929, 72: 492-510. Also Hospitalstidende, 1929, 72: 881-98. — **Olmer, D., Olmer, J. [et al.]** Action sur la glycémie locale, in vivo, de l'insuline en injection intraveineuse. C. rend. Soc. biol., 1935, 121: 76-8. — **Roholm, K.** [Effects of intravenous injections of insulin] Hospitalstidende, 1930, 73: 644-59. — **Zucker, T. F., & Berg, B. N.** The course of blood sugar after intravenous insulin in normal dogs and cats. Am. J. Physiol., 1937, 119: 531-8.

Allergy.

See also Insulin, Tolerance.

BISCILER, W. *Des manifestations anaphylactiques provoquées par l'insuline. 32p. 8°. Genève, 1926.

FERESTER, M. *Contribution à l'étude des réactions d'intolérance à l'insuline. 61p. 8°. Par., 1936.

GUEUNIER, J. *Contribution à l'étude de l'allergie insulinaire. 61p. 24½cm. Toulouse, 1935.

STAMM, E. *Die Insulinempfindlichkeit des nichtdiabetischen Menschen und ihre Beziehung zum vegetativen Nervensystem [Frankfurt a. M.] 25p. 8°. Berl., 1930.

Also Arch. Verdauungskr., 1930, 48: 104-24.

Ante, J. G., & Benavides, R. M. Alergia insulínica; reporte de un caso de hipersensibilidad a la insulina. Vida nueva. Habana, 1937, 39: 179-83. — **Barral, P., Hue d'Arrac, C., & Vairel, J.** Modifications de l'intensité du choc anaphylactique et du choc peptonique chez le cobaye préalablement insulinsé. C. rend. Soc. biol., 1932, 109: 1363. — **Battistini, G.** La sensibilizzazione all'insulina. Clin. med. ital., 1932, 63: 125-42. — **Battistini, S., & Ceresa, C.** Studi sulla sensibilità all'insulina nel corso delle malattie infettive acute. Arch. sc. med. Tor., 1937, 63: 219-61. — **Beggi, D.** Fenomeni di intolleranza da insulina. Policlinico, 1935, 42: sez. prat., 1075-82. — **Bernstein, C., Jr., Kirsner, J. B., & Turner, W. J.** Studies on anaphylaxis with insulin. J. Lab. Clin. M., 1937-38, 23: 938-44. — **Blaisdell, E. R.** Allergic insulin reactions. Maine M. J., 1931, 22: 129. — **Bortz, E. L.** Hypersensitivity to insulin; a point of difference from synthalin and glukhorment. Endocrinology, 1928, 12: 501-4. — **Rose, J. P.** Insulin anaphylaxis. Ind. M. Gaz., 1937, 72: 465-9. — **Brobeck, J. R.** The relation of the central nervous system to insulin sensitivity. Am. J. Physiol., 1939, 126: 414. — **Bryce, L. M.** Hypersensitivity to insulin. Med. J. Australia, 1933, 1: 371-6. — **Eurgert, P. H., Nadler, W. H., & Stott, R.** A comparison of tests for insulin sensitivity. J. Lab. Clin. M., 1938-39, 24: 1128-34. — **Cade, A., Barral, P., & Roux, J.** L'anaphylaxie à l'insuline et la pathogénie de certains accidents d'intolérance à l'insuline. Bull. Acad. méd., Par., 1931, 3. ser., 105: 575-9. — Etude clinique et pathogénie des accidents de sensibilisation à l'insuline. Presse méd., 1931, 39: 1917-20. — **Cannon, P. R., & Marshall, C. E.** Studies on insulin allergy. Am. J. Path., 1941, 17: 442. — **Card, W. L.** The effect of different diets on the insulin sensitivity of diabetics. Clin. Sc., Lond., 1937-38, 3: 165-17. — **Casas, J., & Hinsberg, K.** Ueber Insulinempfindlichkeit und Sinus cardiacus. Klin. Wschr., 1932, 11: 641. — **Ceresa, C.** Studio sulla sensibilità all'insulina nell'ipertiroidismo. Osp. maggiore Novara, 1937, 14: 394-403. — **Céspedes, V. de.** A propos d'un cas d'urticaire insulinaire. Marseille méd., 1935, 72: 571-8. — **Cohen, A. E., & Simon, F.** Insulin hypersensitivity. J. Allergy, 1937-38, 9: 503-8. — **Csépai, K.** Ueber die Insulinempfindlichkeit des menschlichen Organismus. Wien. klin. Wschr., 1928, 41: 493. — **Ernst, Z.** Ueber die Insulinempfindlichkeit des menschlichen Organismus. Ibid., 25. — **Davidson, M. T.** Insulin allergy; a review of recent

literature and report of a case. J. Allergy, S. Louis, 1934, 6: 71-7. — **Decaneas, D., & Uiberrak, K.** Studie über die verschiedene Insulinempfindlichkeit der Diabetiker. Klin. Wschr., 1940, 19: 347; 366 (microfilm). — **Dogliotti, G. C.** Diabete mellito con periodi di iper-insulinosensibilità. Riv. clin. med., 1938, 39: 164-202. — **Eckerström, S.** [Case of insulin anaphylaxis] Hygieia, Stockh., 1930, 92: 402-5. — **Ellery, R. S., & Reynolds, P. G.** A case of extreme hypersensitivity to insulin. Med. J. Australia, 1938, 2: 426. — **Engelberg, J.** Ein Fall von Insulinanaphylaxie. Med. Klin., Berl., 1927, 23: 212. — **Ervin, D. M.** Edema following the use of insulin. California West. M., 1926, 24: 482-4. — **Estiu, M., & Dumm, F.** Alergia insulínica en un atópico diabético. Prensa méd. argent., 1941, 28: pt 2, 1633-7. — **Falta, W.** Ueber die Insulinempfindlichkeit des menschlichen Organismus. Wien. klin. Wschr., 1928, 41: 278. — **Ferrannini, A.** Contributo clinico allo studio dell'insulino-iper-sensibilità in soggetti diabetici. Studium, Nap., 1935, 25: 141-8. — **Fiandaca, S.** Fenomeni anafilattici da insulina. Riforma med., 1933, 49: 1423-8. — **Fonseca, F. da.** Oedemes et insuline. C. rend. Soc. biol., 1926, 95: 543. — **Frostig, J. P., Persyko, J., & Persyko, H.** The quotient of blood sugar fall; a contribution to the question of insulin sensitization. Am. J. Psychiat., 1937-38, 94: Suppl., 226-9. — **Gibson, R. B., & Larimer, R. N.** Generalized edema immediately following insulin control in diabetes mellitus. J. Am. M. Ass., 1925, 84: 491. — **Gillman, S. W., & Parfit, D. N.** Insulin sensitivity and sensitisation. Lancet, Lond., 1937, 2: 743. — **Glickman, N.** The effect of diminution of barometric pressure on the sensitivity of rats to insulin. Am. J. Physiol., 1936, 116: 61. — **Gellhorn, E.** The effect of oxygen deficiency on the sensitivity of rats to insulin. Ibid., 1938, 121: 358-63. — **Goldner, M. G., & Ricketts, H. T.** Insulin allergy; a report of 8 cases with generalized symptoms. J. Clin. Endocr., 1942, 42: 595-602. — **Grishaw, W. H.** Allergic manifestation to insulin. J. Am. M. Ass., 1931, 97: 1885. — **Hansen, K., & Eyer, H.** Klinische Studien über allergische Krankheiten; Insulin-Allergie. Deut. Arch. klin. Med., 1932, 174: 133-42. — **Harris, M. M.** Insulin sensitivity of patients with mental disease; factors in their serum affecting action of insulin. Arch. Neur. Psychiat., Chic., 1942, 48: 761-73. — **Herzog, K.** Beobachtungen über Insulin-Ueberempfindlichkeit und den Wert intracutaner Verträglichkeitsprüfungen für die Insulintherapie. Zschr. klin. Med., 1939, 136: 297-308. — **Herzstein, J., & Pollack, H.** Insulin allergy; case report with review of the literature. J. Mount Sinai Hosp. N. York, 1939-40, 6: 3-17. — **Hess, O.** Schwere Insulindermatitis. Fortsch. Ther., 1934, 10: 477. — **Hetényi, G.** Angina pectoris während Insulinbehandlung. Wien. Arch. inn. Med., 1926, 13: 95-104. — **Higgins, J. H.** Sensitivity to insulin. U. S. Nav. M. Bull., 1942, 40: 127-32. — **Himsworth, H. P., & Kerr, R. B.** Age and insulin sensitivity. Clin. Sc., Lond., 1939-40, 4: 153-7. — **Inoue, T.** Untersuchungen über die Empfindlichkeit von durch B. dysenteriae-Toxin vergifteten Kaninchen gegen Insulin und ihre Leberfunktion. Acta paediat. jap., 1938, 44: 99 (Abstr.). — **Jordan, W. E.** Angina pectoris and insulin. Virginia M. Month., 1937-38, 64: 196-201. — **Kräupl, F.** Insulinallergie und ihr Einfluss auf die diabetische Stoffwechsellage. Münch. med. Wschr., 1933, 80: 1246. — **Kylin, E.** Studien über die Oedemausschwemmung; über den kolloidosmotischen Druck des Blutes und während der Insulinbehandlung schwerer Diabetiker; Studien über das Insulinödem. Deut. Arch. klin. Med., 1929, 165: 235-42. — **Lasch, F.** Ueber Insulinanaphylaxie. Med. Klin., Berl., 1935, 31: 975-7. — Ein Fall von Insulinanaphylaxie. Mitt. Ges. inn. Med. Wien, 1935, 34: 5-11. — Insulinanaphylaxie. Ibid., 183-5. — **Lee, Y. C.** [The effect of insulin on anaphylaxis] J. Chines. M. Ass., 1934, 24: 1411-24. — **Leifer, A.** A case of insulin edema. Am. M. Ass., 1928, 90: 610. — **Levine, R., Hechter, O. [et al.]** Reduced glutathione of tissues and insulin sensitivity. Proc. Soc. Exp. Biol., N. Y., 1939, 40: 525-8. — **Lowell, F. C.** Allergy to insulin associated with insulin resistance. Bull. New England M. Center, 1942, 4: 162. — **Marcus, I. H.** Insulin edema. Med. J. Rec., 1931, 133: 12-5. — **Mašek, J.** [Contribution to the study of exaggerated sensibility to insulin] Cas. lék. čes., 1937, 76: 619-23. — **Klíř, C.** A propos de l'hyper-sensibilité à l'insuline. Ann. méd., Par., 1937, 41: 301-33. — **Mauriac, P.** Un cas de sensibilisation aux insulines impures, avec accidents d'anaphylaxie locale chez une petite fille. Bull. Soc. méd. chir. Bordeaux (1924) 1925, 473-6. Also Gaz. sc. méd. Bordeaux, 1925, 46: 57. — **Michaud, J.** Un cas d'intolérance à l'insuline. Rev. méd. Suisse rom., 1941, 61: p. xcix-ci. — **Migone, L.** Sensibilità insulínica e febbre. Rass. fisiopat., 1939, 11: 601-19. — **Milligan, R. R. D.** Severe insulin allergy. N. Zealand M. J., 1941, 40: 383. — **Murphy, J. A., Beardwood, J. T., & Miller, M. M.** Report on insulin sensitivity with attempt at passive transfer. J. Allergy, 1934, 5: 606-10. — **Nadler, W. H.** Sensitiveness to insulin and optimal diets in diabetes. Arch. Path., Chic., 1938, 26: 395-402. — **Neumann, A.** Ein Fall von Quincke'schen Oedem nach Insulin. Wien. med. Wschr., 1928, 78: 1363. — **Nicolas, J., Rousset, J., & Thomasset, A.** L'eczéma dû à l'insuline (intus et extra) Bull. Soc. fr. derm. syph., 1937, 44: 753-5. — **Papp, J.** Insulinempfindlichkeit bei hypersekretorischen Zuständen des Magens (Beeinflussbarkeit durch Nebenschilddrüsenhormon) Deut. med. Wschr., 1938, 64: 1615. — **Parhon, C. I., & Werner, G.** Action de l'insuline sur le sucre lacunaire et des liquides cavitaires à propos de la pathogénie des oedèmes insulinsiques. Bull. Soc. roumain. endocr., 1939, 5: 431-4. — **Pehu, Despeignes & Charleux.** Anaphylaxie et l'insuline. Lyon méd., 1925, 136: 505. — **Pencharz, R. I., Cori, C. F., & Russell, J. A.** Relation

of anterior and posterior lobe of the hypophysis to insulin sensitivity in the rat. *Proc. Soc. Exp. Biol.*, N. Y., 1936, 35: 32-5.—**Rabinowitch, I. M.** Insulin oedema. *Canad. M. Ass. J.*, 1927, 17: 685-7.—**Rathery, F.** Insulino-sensibilité. *Schweiz. med. Wschr.*, 1936, 66: 413-20. — **Bargeton, D.** [et al.] Insuline et anaphylaxie. *Bull. Soc. méd. hôp. Paris*, 1939, 3. ser., 55: 580-8.—**Raynaud, M., & Lacroix, A.** Un cas d'anaphylaxie à l'insuline; essai de pathogénie des oedèmes insuliniens. *Ibid.*, 1925, 3. ser., 49: 831-9.—**Sammis, F. E.** Hypersensitiveness to insulin. *J. Allergy*, 1934-35, 6: 387-92.—**Schenck, V.** Ueber Insulin-Dermatitis. *Deut. med. Wschr.*, 1932, 58: 1605.—**Selye, H.** Effect of fasting on insulin sensitivity. *Endocrinology*, 1940, 27: 434-6.—**Sendrail, M., & Biancardi, C.** Action du travail musculaire sur la sensibilité à l'insuline. *C. rend. Soc. biol.*, 1932, 110: 1190.—**Stroomann, G.** Anaphylaktische Erscheinungen nach Injektion von Insulin (A. B. Brand) *Med. Klin.*, Berl., 1930, 26: 1523.—**Tillim, S. J.** Observations of insulin sensitivity. *Am. J. Psychiat.*, 1939-40, 96: 361-9.—**Tuft, L.** Insulin hypersensitivity; immunologic considerations and case reports. *Am. J. M. Sc.*, 1928, 176: 707-20.—**Ulrich, H., Hooker, S. B., & Smith, H. H.** Allergic reaction to insulin; report of a case. *N. England J. M.*, 1939, 221: 522-4.—**Vedel, Puech & Reverdy.** Urticaire provoqué par l'insuline; accident anaphylactique. *Bull. Soc. sc. méd. biol. Montpellier*, 1924-25, 6: 262-5.—**Walker, S. E.** Report of a case of diabetes mellitus with anaphylaxis following the hypodermic injection of insulin. *U. S. Veterans Bur. M. Bull.*, 1926, 2: 700-2.—**Watson, E. M.** Non-hypoglycaemic, allergic, insulin reactions. *Canad. M. Ass. J.*, 1942, 47: 336-9.—**Wechsler, H. F., Farmer, L., & Urban, J. A.** A case of insulin allergy simulating coronary occlusion. *J. Lab. Clin. M.*, 1940-41, 26: 1090-2.—**Williams, J. R.** Allergic insulin reactions; report of a case exhibiting severe gastrointestinal allergic reactions following injections of insulin. *J. Am. M. Ass.*, 1930, 94: 1112-4. — A second case of gastro-intestinal allergy due to insulin. *Ibid.*, 1933, 100: 658.—**Wolf, V.** Sensitivity to protamine zinc insulin. *Arch. Derm. Syph.*, Chic., 1942, 45: 694-6.—**Yasuna, E.** Generalized allergic reactions to insulin; review of the literature, with report of a case. *J. Allergy*, 1940-41, 12: 295-306.

— Allergy: Desensitization.

Bayer, L. M. Desensitization to insulin allergy. *J. Am. M. Ass.*, 1934, 102: 1934.—**Bernard, A.** Sur l'intolérance à l'insuline et son traitement. *J. sc. méd. Lille*, 1927, 45: pt 2, 85-92.—**Blassberg, M., Joffe, B., & Liwsky, S.** [The use of insulin and the determination of sugar in the blood] *Polska gaz. lek.*, 1924, 3: 293.—**Buschke, F.** Die Blutzuckertageskurve des überinsulinierten Diabetischen und ihre Beziehung zur Konstitution. *Klin. Wschr.*, 1929, 8: 964-8.—**Collens, W. S., Lerner, G., & Fialka, S. M.** Insulin allergy; treatment with histamin. *Am. J. M. Sc.*, 1934, 188: 528-33.—**Corcoran, A. C.** Note on rapid desensitization in a case of hypersensitivity to insulin. *Ibid.*, 1938, 196: 359-61.—**De Bodo, R. C.** Cause and mechanism of the loss of hypersensitivity to insulin and the return of gluconeogenesis to a normal level. *Yearb. Am. Philos. Soc.* (1940) 1941, 122.—**Ghoshal, L.** Some observations on the blood sugar after treatment with insulin in diabetes. *Ind. M. Gaz.*, 1926, 61: 224-6.—**Gottschalk, A., & Springborn, A.** Rationelle Insulintherapie auf Grund von Blutzuckertageskurven. *Klin. Wschr.*, 1928, 7: 1129-33.—**Greiff, T.** Zur Behandlung der Ueberempfindlichkeit gegen Insulin. *Ibid.*, 1931, 10: 1955.—**Guist, G., & Latzel, R.** Eine rasche Entzuckerungsmethode insulinempfindlicher Diabetiker und ihre Verwertbarkeit in der Augenheilkunde. *Munch. med. Wschr.*, 1940, 87: 108 (Abstr.) (microfilm)—**Herold, A. A.** Insulin allergy; report of severe case with successful desensitization. *N. Orleans M. & S. J.*, 1938-39, 91: 163-6.—**Hunscheidt, H.** Calcium bei Insulinüberempfindlichkeit. *Zbl. inn. Med.*, 1934, 55: 369-71.—**Jeannert, J., & Leysin.** Une application pratique de la méthode de désensibilisation par les cuti-réactions répétées; urticaire à l'insuline. *Rev. méd. Suisse rom.*, 1929, 49: 99-105.—**Major, R. H., & Davis, R. C.** High blood sugar with absence of sugar in the urine; in diabetes treated with insulin. *J. Am. M. Ass.*, 1925, 84: 1798.—**Malten, H.** Bekämpfung der Insulin-Allergie. *Munch. med. Wschr.*, 1938, 85: 166.—**Nicely, W. E., & Edmondson, C. C.** Observations on insulin treatment of diabetes; diurnal variations of sugar utilization. *Wisconsin M. J.*, 1923-24, 22: 575-8.—**Nielsen, N. A.** [Blood sugar estimation in diabetics treated with insulin] *Hospitalstidende*, 1928, 71: 755-67. Also *Zschr. klin. Med.*, 1928-29, 109: 636-46.—**Roth, G. M., & Rynearson, E. H.** The use of histamine and histaminase in the treatment of allergic reaction to insulin. *Proc. Mayo Clin.*, 1939, 14: 353-7.—**Rothman, J. S.** Insulin hypersensitivity and desensitization by increasing doses of insulin. *Med. World*, 1939, 57: 313.—**Stötter, G.** Desensibilisierungserfolg bei einem hochgradig insulinallergischen Diabetiker. *Klin. Wschr.*, 1937, 16: 1180-3.—**Strauss, H.** Inwieweit sind Blutzuckerbestimmungen bei der Insulinbehandlung unerlässlich? *Deut. med. Wschr.*, 1924, 50: 791.—**Weitz, M. A.** Insulin hypersensitivity with desensitization; report of a case. *J. Allergy*, 1942-43, 14: 220-6.

— Cases and observations.

Еск, Т. *Kasuistischer Beitrag zur Insulinbehandlung des schweren Diabetes. 13p. 8°. Giessen, 1926.

LEWIS, J. G. Tratamiento de la diabetes azucarada con la insulina; estudio clínico de varios casos. 32p. 8°. Panama, 1923.

Apert, E. Diabète avec infantilisme traité depuis un an par l'insuline. *Bull. Soc. méd. hôp. Paris*, 1924, 3. ser., 48: 894.—**Aviéros, F., & Piéri, J.** Un cas de diabète sucré traité par l'insuline. *Marseille méd.*, 1924, 61: 498-501.—**Berg, G.** [A case of diabetes treated with insulin] *Ned. tschr. geneesk.*, 1923, 67: pt 2, 884-6.—**Bergh, D. van den** [Three cases treated with insulin] *Ibid.*, 2127-37.—**Bickel, G.** Remarques à propos de 3 cas de diabète grave traités par l'insuline durant plus de 15 ans. *Rev. méd. Suisse rom.*, 1941, 61: 579.—**Blanco Soler, C.** La insulina en una insuficiencia cardíaca en una diabética embarazada, con acidosis. *Arch. med.*, Madr., 1926, 24: 10-21.—**Blassberg, M., & Mandel, W.** [Action of insulin, in 5 cases, on diabetes] *Polska gaz. lek.*, 1926, 5: 910.—**Boavista Moscoso, A., & Pinheiro de Uliôa Cintra, A.** Sobre um caso de diabetes mellitus. *Brazil med.*, 1925, 39: 316.—**Campbell, J. M. H., Osman, A. A.** [et al.] Early experiences with insulin in the treatment of diabetes mellitus. *Lancet*, Lond., 1923, 2: 777-82.—**Carrieux & Janbon.** A propos d'un diabétique traité par l'insuline. *Bull. Soc. sc. méd. biol. Montpellier*, 1924-25, 6: 280-4.—**Chabanier, H., Lobo-Onell, C., & Lebert, M.** Présentation de 3 diabétiques traités par l'extrait alcoolique de pancréas (insuline). *Bull. Soc. méd. hôp. Paris*, 1923, 3. ser., 47: 1496-504.—**Chalier, J.** Diabète à marche aiguë chez l'adulte; action heureuse de l'insuline. *Lyon méd.*, 1926, 137: 493-7.—**Clark, O.** Nota clinica sobre diabetes e insulina. *Brazil med.*, 1924, 38: 324-7.—**Cohen Tervaert, D. G.** [Some remarks on the use of insulin] *Ned. tschr. geneesk.*, 1924, 68: pt 1, 2340-4. — [Two patients treated with insulin] *Ibid.*, 1925, 69: pt 1, 1968.—**Cowie, D. M., & Parsons, J. P.** Clinical observations on the use of insulin in the treatment of diabetes in adults and children with particular reference to the state of hyperinsulinaemia; a consideration of insulin and renal glycosuria. *Tr. Am. Pediat. Soc.*, 1923, 35: 217-64, ch.—**Daniels, P. L., & Doyer, J.** [A case of diabetes treated with insulin] *Ned. tschr. geneesk.*, 1923, 67: pt 1, 1767-74.—**Elzas, M.** [Remarks on the application of insulin] *Ibid.*, 1924, 68: pt 2, 1074-8.—**Faber, E.** [Observations on insulin treatment] *Ugeskr. læger*, 1927, 89: 376.—**Fabiaña, T. D.** Insulin in the treatment of diabetes mellitus; case reports. *J. Philippine Islands M. Ass.*, 1924, 4: 1-6.—**Frissell, L. F., & Hajek, J.** Insulin in the severer forms of diabetes; with report of cases. *Arch. Int. M.*, 1924, 33: 230-50.—**Gibbs, C. B. F., & Sutter, C. C.** Clinical observations on the use of the anti-diabetic substance. *Proc. Soc. Exp. Biol.*, N. Y., 1922-23, 20: 419.—**Gilbert, A., Baudouin, A., & Chabrol, E.** Un cas de diabète grave traité par l'insuline. *Bull. Soc. méd. hôp. Paris*, 1923, 3. ser., 47: 977-89.—**Groedel, F. M., & Hubert, G.** Ueber zwei mit Insulin behandelte Fälle von Diabetes mellitus. *Munch. med. Wschr.*, 1923, 70: 1314.—**King, P. M., & Sparrow, T. D.** Some observations on diabetes mellitus, with report on 3 illustrative cases treated with insulin. *South. M. & S.*, 1923, 85: 473-7.—**Lacroze, A.** Diabetes grave sin acidosis y gran traumatismo tratada por insulina. *Rev. As. méd. argent.*, 1924, 37: Soc. med. int., 579-87.—**Langeron, L., & Delcour, J.** Diabète grave et infantilisme, améliorés par l'insuline. *J. sc. méd. Lille*, 1927, 45: pt 2, 21-5.—**Lichty, J. A.** Personal experience with the use of iletin (insulin) in the treatment of diabetes mellitus. *Atlantic M. J.*, 1923-24, 27: 5-11.—**Lyon, D. M.** Observations on the use of insulin. *Lancet*, Lond., 1924, 2: 158-62.—**Macleane, H.** On the present position of diabetes and glycosuria, with observations on the new insulin treatment. *Ibid.*, 1923, 1: 1039-46.—**Major, R. H.** Further observations on the insulin treatment of diabetes. *J. Kansas M. Soc.*, 1923, 23: 148-51.—**Malamud, T.** Un caso de diabetes grave juvenil tratado durante 5 años con insulina; embarazo normal con feto a término. *Rev. Soc. med. int.*, B. Air., 1928, 4: 529-40.—**Mauriac, P., Piéchaud, F., & Aubertin, E.** De quelques cas de diabète traités par l'insuline. *Gaz. sc. méd. Bordeaux*, 1923, 44: 608-11. Also *Bull. Soc. méd. chir. Bordeaux*, 1923-24, 364-71.—**Nicely, W. E., & Edmondson, C. C.** The use of insulin in treatment of diabetes; report of some cases. *Am. J. M. Sc.*, 1924, 167: 570-86.—**Nicholson, S. T.** Studies of an insulin-treated diabetic. *Clifton M. Bull.*, 1923-24, 9: 54-8.—**Nielsen, R.** [Number of diabetics in Denmark treated with insulin] *Ugeskr. læger*, 1928, 90: 850-2.—**Nobécourt.** Sur diabétique de 18 ans et demi traité depuis 3 ans et demi par l'insuline. *Rev. gén. clin. thé.*, 1926, 40: 849-56. Also *Gazz. osp.*, 1927, 48: 176-81.—**Oddo, J.** Trois cas de diabète traités par une insuline de préparation nouvelle. *Marseille méd.*, 1924, 61: 601-7.—**Olmedo, W. H., & Kahn, S. H.** Observations on use of insulin in diabetes mellitus. *J. Am. M. Ass.*, 1923, 80: 1903-7.—**Roller, R. D., jr.** A few notes on insulin; case reports. *West Virginia M. J.*, 1927, 23: 361-3.—**Rossi, A.** In tema di diabete e di insulino-terapia. *Gior. clin. med.*, 1929, 10: 935-43.—**Salkind & Semenza.** Sopra nove casi di diabete mellito trattati con l'insulina. *Morgagni*, 1923, 65: pt 1, 409-22.—**Souza Aranha, M. E. de.** Algumas considerações com torno do tratamento do diabetes. *Ann. paul. med. cir.*, 1929, 20: 2-8.—**Springgs, E. I., Pickering, D. V., & Leigh, A. J.** Report on a case of diabetes treated with insulin. *Brit. M. J.*, 1923, 2: 58-60.—**Sutter, C. C., & Murlin, J. R.** Three months study of the influence of the anti-diabetic substance on a case of severe diabetes. *Proc. Soc. Exp. Biol.*, N. Y., 1922-23, 20: 68.—**Tilburg, B. J. Q. van** [An instructive case of diabetes treated with insulin] *Geneesk. gids*, 1923-24, 1: 276-9.—

Villa, L. Considerazioni su tre casi di diabete mellito curati con insulina. Arch. pat., Bologna, 1923, 2: 619.—Zoja, L. Note cliniche e terapeutiche sul diabete e sull'insulina. Atti Soc. lombard. sc. med., 1927, 16: 434-88.

— Coma.

See also Blood sugar, low: Hyperinsulinism; also Insulin therapy subheadings (Hypoglycemia; Shock)

Beck, W. Hypoglykämie mit tödlichem Ausgang. Klin. Wschr., 1927, 6: 212.—Bligaard, K. [Insulin cases diagnosed as epilepsy and hysteria] Ugeskr. læger, 1940, 102: 505-7.—Braestrup, A. [Investigation on the effect of large doses of insulin, interruption of insulin coma] Nord. med., 1939, 1: 902-4.—Brill, H., & Binzley, R. F. Involuntary eye movements as a criterion of depth of insulin coma. Am. J. Psychiat., 1939-40, 96: 177-81.—Cavalieri d'Oro, E. La convulsione spontanea nella terapia insulinica. Gior. psichiat., 1939, 67: 175.—Centini, D. Afasia amnestica ed aprassia motoria a carattere transitorio come incidenti relativi al coma insulinico. Rass. stud. psichiat., 1939, 28: 545-53.—Chabrol, E. Le coma insulinique. In Leçons du dimanche (Carnot, P.) Par., 1929, 1. ser., 251-72.—Combemale, P., Warembourg, H., & Parsy, D. La glycémie et l'indice chromique résiduel, dans le coma insulinique. C. rend. Soc. biol., 1938, 128: 1155.—Corwin, W. C. The mechanism of insulin convulsions, a critical review. Collect. Papers Mayo Clin., 1938, 30: 421. Effect of stellate ganglionectomy on carbohydrate metabolism and on hypoglycemic convulsions caused by administration of insulin. Proc. Mayo Clin., 1939, 14: 374-6.—Curti, G. Interruzione del sinergismo dei movimenti oculari durante il coma insulinico? Riv. pat. nerv., 1938, 52: 171.—Dahl, B. [Death from insulin poisoning with remarks on overdosing] Norsk mag. lægevid., 1928, 89: 40-55.—Donini, F. Modificazioni della erossasia motoria nel coma da insulina-shock-terapia. Riv. sper. freniat., 1939, 63: 581-98.—Ferris, E. B., jr. Rosenbaum, M. [et al.] Intracranial blood flow in insulin coma. Arch. Neur. Psychiat., Chic., 1941, 46: 509-12.—Frostig, J. P., Bennett, C. R. [et al.] Insulin convulsions, a method of prevention. Am. J. Psychiat., 1941-42, 98: 369-73.—Gordon, G. J. On the characteristic features of insulin coma. Delaware M. J., 1938, 10: 87-91.—Gralnick, A. The retina and intraocular tension during prolonged insulin coma, with autopsy eye findings. Am. J. Ophth., 1941, 24: 1174-85.—Hrubetz, M. C. On the nature of insulin convulsions. Proc. Soc. Exp. Biol., N. Y., 1938, 38: 300.—Karasek, F. [Insulin spasms] Cas. lék. česk., 1925, 64: 383-5.—Kobler, F. Histologischer Gehirnbefund nach Insulinkoma. Arch. Psychiat., Berl., 1937-38, 107: 688-700.—Langfeldt, G. Insulin sensitivity and opium cure, deep coma with 7-2 unit of insulin. Lancet, Lond., 1937, 2: 1135.—Laqueur, E., Grevenstuck, A., & de Jongh, S. E. Beziehung von Hypoglykämie und Krämpfen nach Insulin. Deut. med. Wschr., 1925, 51: 178-80.—Lups, S., & Kramer, F. Das Verhalten der Reflexe im Insulinkoma. Schweiz. Arch. Neur. Psychiat., 1940, 45: 213-29 (microfilm).—Ziegler, M. R., & McQuarrie, I. Mechanism of insulin convulsions, serum electrolytes and blood sugar in relation to occurrence of convulsions. Proc. Soc. Exp. Biol., N. Y., 1938, 39: 523-5. Mechanism of insulin convulsions, effects of varying partial pressures of atmospheric O₂, N₂ and CO₂. Ibid., 39: 525-7. Mechanism of insulin convulsions, effects of varying partial pressures of atmospheric gases after adrenalectomy. Ibid., 1939, 42: 513. Experimental studies concerning the pathology of insulin convulsions. Am. J. Dis. Child., 1939, 58: 918.—McQuarrie, I., Ziegler, M. R. [et al.] Studies on mechanism of insulin convulsions; significance of serum electrolytes; effects of breathing atmospheres varying widely in oxygen and carbon dioxide content. Chin. M. J., 1940, 58: 1-25, pl. Studies on mechanism of insulin convulsions; effects of varying partial pressures of atmospheric oxygen and carbon dioxide in adrenalectomized animals. Ibid., 26-38.—Mas de Ayala, I. El coma insulinico; su semiología y sus síntomas neurológicos. Arch. urug. med., 1939, 15: 313-26.—Moracci, E. Sui fenomeni convulsivi da sostanze ipoglicemicizzanti nel Colombo; contributo alla conoscenza dei fattori che determinano la comparsa delle convulsioni da insulina. Riv. pat. sper., 1934-35, 12: 105-26.—Petrén, K. [Deaths from coma after insulin therapy] Sven. läk. tidn., 1928, 25: 971-5.—Phillips, R. A., & Barker, S. B. Insulin convulsions after removal of the stellate ganglia. Am. J. Physiol., 1938, 124: 202-4.—Roche, E. H. Insulin hypoglycaemic coma with a report of 2 fatal cases. Brit. M. J., 1942, 2: 35-7.—Sevrinhaus, E. L. Hypoglycemic coma due to repeated insulin overdosage. Am. J. M. Sc., 1926, 172: 573-80.—Vesterdal Jørgensen, J. [Hypoglycemia, convulsions, lactic acid and liver glycogen in rabbits, treated with insulin] Nord. med., 1940, 5: 217-20.—Vié, J., & Opolon. Coma prolongé avec troubles toniques, cloniques et asphyxiques au cours d'un traitement par l'insuline. Ann. méd. psychol., Par., 1940, 98: 337-41.—Weichmann, E. Difficulties in the diagnosis of insulin coma. J. Am. M. Ass., 1929, 92: 1495.

— Comparative evaluation.

Allen, F. M. Action of amorphous, crystalline zinc and protamine zinc insulin. Tr. Ass. Am. Physicians, 1939, 54: 297-301. Comparison of different preparations of amorphous and zinc crystalline insulin. Endocrinology, 1940,

26: 208-17.—Altshuler, S. S. The clinical use of crystalline insulin. Ann. Int. M., 1937 38, 11: 901-6.—Bailey, C. C., & Marble, A. Histone zinc insulin, globin (zinc) insulin and clear protamine zinc insulin, a comparative study of their action. J. Am. M. Ass., 1942, 118: 683-90.—Barach, J. H. Experimental studies on the effects of insulin, protamine insulin, and crystalline insulin. Pennsylvania M. J., 1936 37, 40: 349-52.—Baskett, R. F. The use of various insulins in the treatment of diabetes mellitus. N. Orleans M. & S. J., 1942-43, 95: 428-32.—Bennett, T. I., Davie, T. M. [et al.] The treatment of diabetes, clinical and experimental observations with new insulins. Lancet, Lond., 1937, 1: 1219-23.—Bowcock, H. Solution of zinc-insulin crystals; a new therapeutic agent; comparison with unmodified and protamine zinc insulin. J. M. Ass. Georgia, 1938, 27: 361-3.—& Wilkinson, C. Solution of zinc-insulin crystals versus regular insulin and protamine zinc insulin. Ibid., 351-5.—Broun, D., & Schwab, H. Insuline-zinc-gelatine und insulin-zinc-protamine; étude expérimentale de leur action hypoglycémisante chez le lapin. Paris méd., 1937, 105: 212-5.—Bürger, M. Insulin and Glukagon in ihren Beziehungen zum Diabetes. Klin. Wschr., 1937, 16: 361-3.—Carlberg, U. Experiences with zinc insulin (and zinc-protamine-insulin) Acta med. scand., 1938, 96: Suppl. 89, 259-81.—Csépai, K., & Förstner, B. Clinical value of insulin preparations. Ory. hetil., 1930, 74: 65.—Duncan, G. G., & Barnes, C. E. The action of globin insulin compared with that of crystalline, unmodified, and protamine zinc insulin. Am. J. M. Sc., 1941, 202: 553-63.—Duncan, G. G., Cuttle, T. D., & Jewesbury, E. C. O. Observations on the comparative critical values of zinc insulin crystals in solution and unmodified insulin. Bull. Ayer Clin. Lab., 1938-39, 3: 293-306.—Feinblatt, H. M., & Ferguson, E. Report of comparative blood sugars in diabetes with standard insulin and with new improved insulin. Med. Rec., N. Y., 1937, 145: 67.—Freund, H. A., & Adler, S. Effects of standard, protamine and crystalline insulin on blood sugar levels. J. Am. M. Ass., 1936, 107: 573-7.—Gjurić, A., & Cermák, J. [Treatment of diabetes by new types of insulin] Cas. lék. česk., 1938, 77: 568-75.—Himsworth, H. P. Protamine insulin and zinc protamine insulin in the treatment of diabetes mellitus. Brit. M. J., 1937, 1: 541-6. The insulin compounds in the treatment of diabetes. Clin. J. Lond., 1937, 66: 208-11.—Howe, C. W., & Bell, D. W. J. Comparative results in protamine-zinc and unmodified insulin therapy. N. England J. M., 1937, 216: 1095-100.—John, H. J. The treatment of diabetes; use of protamine and crystalline insulin. N. York State J. M., 1938, 38: 1266-72.—Jostin, E. P. The insulins in the treatment of diabetes. Proc. Interest. Postgrad. M. Ass. N. America, 1939, 197-201. Insulin, old and new, in the treatment of diabetes. Canad. M. Ass. J., 1936, 35: 526-31. The use of insulin in its various forms in the treatment of diabetes. Bull. N. York Acad. M., 1942, 18: 200-16.—Kopelovich, M. A., & Pavlotskaia, L. Z. [Treatment of diabetes mellitus with histon-zinc-insulin and triprotamine-zinc-insulin of Soviet manufacture] Vrach. delo, 1940, 22: 113-22.—Lavietes, P. H. The use of insulin and protamine insulin in the treatment of diabetes. Advance. Int. M., N. Y., 1942, 1: 31-61.—Myers, G. B., & Perkin, F. S. Comparative effects of the new insulin preparations upon the blood sugar curve. J. Lab. Clin. M., 1937 38, 23: 1-9.—Nelson, K. R. Comparative studies of regular insulin, crystalline insulin, and protamine-zinc-insulin in the treatment of diabetes mellitus. Hosp. News, Wash., 1937, 4: No. 10, 1 38, 6 pl.—Nelson, W. E., & Dummer, C. Clinical experience with protamine and crystalline insulin in the treatment of diabetes mellitus in children. J. Pediat., S. Louis, 1937, 10: 446-55.—Peck, F. B. Therapeutic application of the various insulins. South. M. & S., 1941, 103: 539-45.—Ralli, E. P., Brandalcone, H., & Fein, H. D. Observations on the comparable effects of protamine zinc and regular insulin in diabetic patients followed over a period of years. Ann. Int. M., 1942, 16: 750-61.—Ricketts, H. T., & Wilder, R. M. Solutions of amorphous insulin and solutions of zinc insulin crystals, clinical studies of the comparative speed and duration of action. J. Am. M. Ass., 1939, 113: 1310-2.—Schrömm, R. Erfahrungen mit Zink-Protamininsulin und Depotinsulin Bayer. Klin. Wschr., 1940, 19: 470-4 (microfilm).—Smyth, F. S., & Olney, M. B. Comparative studies on the use of standardized protamine zinc and crystalline insulin. Am. J. Dis. Child., 1939, 58: 919.—Strieck, F. Klinische Erfahrungen über die Anwendung neuer Insulin. Erg. inn. Med. Kinderh., 1939, 57: 546-81.—Teco, R. M. Le traitement du diabète par les nouvelles insulines. Praxis, Bern, 1938, 27: 317-20.—Turner, C. C. The relative value of insulins in the treatment of diabetes. Kentucky M. J., 1941, 39: 170-6.—Wilder, R. M. La insulina y la protamina zinc insulina en el tratamiento de la diabetes. Dia méd., B. Air., 1941, 13: 174-7.

— Control methods.

See also Blood sugar, Regulation: Functional tests; Diabetes mellitus, Treatment: Control methods.

Chabrol, E. Comment diriger une cure d'insuline. J. méd. fr., 1923, 12: 397-400.—Grott, J. V., & Szpidbaum, H. Recherches sur la courbe de la glycémie au cours de la journée chez les diabétiques et son importance pour le traitement insulinique. Sang, Par., 1944, 8: 49-70.—Gugliucci, A. La glicemia optima; particolare comportamento della glicemia nel

diabetici durante la insulino-terapia. Arch. stud. fisiopat. ricambio, 1938, 6: 81-92.—Hoogslag, W. [Unreliability of urine-examination in insulin treatment] Ned. tscr. geneesk., 1924, 68: pt 1, 1649.—Innes, A. Insulin treatment without blood sugar estimations. Brit. M. J., 1924, 1: 55.—John, H. J. Variations in the blood-sugar content following the administration of insulin. J. Lab. Clin. M., 1925-26, 1: 548-60.—Juda, A. [Importance of the day curve of blood sugar and of urinary sugar for the treatment of diabetes] Harefuah, Tel Aviv, 1942, 23: 105-9.—Labbé, M. Les variations de la glycémie au cours du nyctémère chez les diabétiques traités par l'insuline. Prat. méd. fr., 1932, 13: 588-94.—Leeuw, J. R. A. de. Die Korrelation zwischen dem Initialblutzuckerwert und dem Blutzuckergehalt nach der Injektion von Insulin. Acta brev. neerl., 1936, 6: 17-21.—Lemann, I. I., & Sullivan, M. The lability of diurnal blood sugar levels in insulin treated diabetes: the fallacy of basing therapy upon fasting blood sugar determinations. Internat. Clin., 1934, 44. ser., 4: 45-53.—Mauriac, P., Broustet, P., & Traissac, E. La glycémie fournit-elle un critère précis de l'évolution d'un diabète traité par l'insuline? Gaz. hôp., 1932, 105: 1321.—Nicholson, S. T., jr., & Hubbard, R. S. Blood sugar determinations in diabetes treated with insulin (ilctin). Clifton M. Bull., 1923-24, 9: 43-54.—Rabinowitch, I. M. The cholesterol content of the blood plasma as an index of progress in insulin-treated diabetes. Canad. M. Ass. J., 1927, 17: 171-5.—Rathery, F., Plantefol, A., & Plantefol, L. Recherches sur les échanges respiratoires et le métabolisme basal dans le diabète; action du traitement insulino-que; épreuve au glucose. Ann. physiol., Par., 1933, 9: 139-202.—Scott, E. L., & Dotti, L. B. Insulin dosage and blood sugar changes. Arch. Int. M., 1932, 50: 511-37.—Smith, M. An unusual blood sugar finding during an insulin reaction. Boston M. & S. J., 1926, 195: 663.—Williams, J. R. The insulin coefficient, an improved method for the clinical control of diabetes mellitus. Ann. Int. M., 1931, 5: 264-73.

— Crystalline insulin.

See also Insulin, crystalline.

Altshuler, S. S., & Leiser, R. Clinical experience with an improved crystalline insulin. J. Am. M. Ass., 1936, 107: 1026-9. The use of crystalline insulin in the treatment of patients with severe diabetes. J. Michigan M. Soc., 1938, 37: 980-3.—Bürger, M. Die Einwirkung des kristallinen Insulins auf die Körper der Restkohlenstoffgruppe. Zbl. inn. Med., 1934, 55: 487-90. — & Pätzold, A. Ueber kristallines Insulin; über die Einwirkung von kristallinem Insulin auf den Stoffwechsel des Diabetikers. Arch. exp. Path., Berl., 1933-34, 174: 118-29.—Feinblatt, H. M. Crystalline insulin therapy: absence of foreign protein reaction. Med. Rec., N. Y., 1938, 148: 380.—Howard, J. E., & De Lawder, A. Crystalline insulin in the treatment of diabetes mellitus. Bull. Johns Hopkins Hosp., 1933, 52: 173-8.—Levitt, A., & Jaskiewicz, S. J. Clinical experience with crystalline insulin. Am. J. Digest. Dis., 1939-40, 6: 110-2.—Mains, M. P., & McMullen, C. J. The clinical investigation of an improved crystalline insulin. J. Am. M. Ass., 1936, 107: 959-62.

— Depot insulin.

See also Insulin, depot.

STRAUCH, W. *Depotinsulin in der ambulanten Diabetesbehandlung. 19p. 23cm. Berl., 1939.

Ammon, R. Erfahrungen mit Depotinsulinen. Deut. med. Wschr., 1938, 64: 1388-92. Die Behandlung des Diabetes mellitus mit Depotinsulin. Münch. med. Wschr., 1938, 85: 1046. Die Entwicklung der Therapie mit Depot-Insulinen. Ther. Gegenwart, 1938, 79: 267-70.—Banse, H. J. Ergebnisse und Erfahrungen mit verschiedenen Verzögerungsinsulinen in der Diabetesbehandlung. Med. Welt, 1938, 12: 1359-63.—Beckert, W. Erfahrungen in der Behandlung des Diabetes mellitus mit Depotinsulin Bayer. Münch. med. Wschr., 1938, 85: 1594-6.—Beckmann, K., & Weitzsäcker, J. Klinische Erfahrungen mit verschiedenen Depotinsulinen. Klin. Wschr., 1938, 17: 1321-5. Also Med. Klin., Berl., 1940, 36: 376-8 (microfilm).—Bernhardt, H. Depotsetzung wasserlöslicher Medikamente (Insulindot) Verh. Deut. Ges. inn. Med., 1928, 40. Kongr., 269-74.—Bertram, F. Ueber Depotinsuline. Med. Klin., Berl., 1938, 34: 1186-9.—Camerini, G. Osservazioni sulla terapia del diabete mellito con insulina a lento riassorbimento. Arch. sc. med., Tor., 1940, 69: 471-88, 33 graphs.—Dienst, C. Gefahren der Depotinsulinbehandlung und Vorschläge zu ihrer Bekämpfung. Münch. med. Wschr., 1941, 88: 364-6 (microfilm). — Depotinsulinbehandlung und hypoglykämischer Schock. Ther. Gegenwart, 1941, 82: 164-7.—Dogliotti, G. C., & Giannini, R. Esperienze cliniche su un nuovo preparato insulinico ad azione protratta. Minerva med., Tor., 1939, 30: pt 1, 453-9.—Donhofer, S., & Halász, M. [Clinical experiences with insulin of prolonged action] Orv. hetil., 1938, 82: 1186-8.—Engelmann, G. Inwieweit bestehen besondere Gefahren bei der Depotinsulinbehandlung? Zschr. arztl. Fortbild., 1939, 36: 746-8.—Falta, W. Ein Fall von schwerer Hypoglykämie nach Depotinsulin. Wien. klin. Wschr., 1941, 54: 39. Also Wien. med. Wschr., 1941, 91: 87.—Gottlieb, P. Klinische Erfahrungen mit Depotinsulinen. Klin. Wschr., 1939, 18: 485-9.—Gray, P. A. The treatment of diabetes mellitus with insoluble insulin compounds. Endocrinology, 1936, 20: 461-72.—Hamdi, Ergene [Treatment of

diabetes mellitus with depot insulin] Askeri sihiye mecmuasi, 1939, 68: 37-40.—Hartmann, J. Depotinsulinbehandlung des Diabetes mellitus. Klin. Wschr., 1940, 19: 751 (microfilm). Also Med. Klin., Berl., 1940, 36: 820 (microfilm). Also Münch. med. Wschr., 1940, 87: 817 (microfilm). Also Wien. med. Wschr., 1940, 90: 576.—Holland, G., & Weyer, M. Zur Behandlung der Zuckerharnruhr mit Depot-Insulin (Deposulin) Münch. med. Wschr., 1938, 85: 215-8.—Irls, S. Nativinsulin. Med. Klin., Berl., 1939, 35: 1316.—Katsch, G., & Klatt, K. Insulin-Depotbehandlung. Ibid., 1937, 33: 369.—Kestermann, E., & Schleining, T. Weitere Erfahrungen mit der Depotinsulinbehandlung. Ibid., 1939, 35: 567-9.—Köster, P. Die Behandlung des Diabetes mellitus mit Depotinsulin. Fortsch. Ther., 1938, 14: 457-64.—Lasch, F. Erfahrungen mit einem neuen Depotinsulin. Deut. med. Wschr., 1940, 66: 1154.—Linneweh, F., & Eitel, M. Ueber Depotinsulin-Behandlung des kindlichen Diabetes. Klin. Wschr., 1938, 17: 1507.—Maier, D. Erfahrungen mit Depotinsulin. Deut. Zschr. Verdauungskr., 1938-39, 1: 13-20.—Martin, P. Vergleichende Untersuchungen über die Wirkung verschiedener Depotinsuline. Zschr. ges. exp. Med., 1939, 105: 599-606.—Micklinghoff-Malten, B. Die Umstellung auf Depotinsulin. Med. Klin., Berl., 1941, 37: 12-5.—Oeller, H. Ueber die Wirkungsart der Depotinsuline bei einmalig täglicher Injektion. Münch. med. Wschr., 1939, 86: 1689-94.—Ortoleva, G. Le insuline ad azione ritardata ed il loro impiego nella terapia antidiabetica. Gior. med. prat., 1938, 20: 366-73.—Prozorovsky, B. M., Egorova, M. N., & Voskresenskaja, N. A. [Insulin depot in treatment of diabetes mellitus] Arkh. biol. nauk, 1940, 60: No. 2, 87-96.—Reinwein, H. Aussprache über die Praxis der Depotinsulinbehandlung. Med. Klin., Berl., 1940, 36: 1235; 1269; 1307; 1334; 1361 (microfilm).—Robbers, H., & Stoll, W. Die Einstellung der Zuckerkranken auf Dauerinsulin. Ibid., 1938, 34: 1215-8.—Schramm, R. Depotinsulinbehandlung des Diabetes mellitus mit Deposulin Brunnengraber. Deut. Arch. klin. Med., 1938, 182: 402-12.—Schrank, A. Die Behandlung des Diabetes mellitus mit Depotinsulin (Deposulin) Deut. med. Wschr., 1938, 64: 1677-80.—Schwab, R. Ueber klinische Erfahrungen mit Deposulin. Praxis, Bern, 1941, 30: 806 (Abstr.).—Schweers, A. Klinische Untersuchungen zur Behandlung des Diabetes mellitus mit Depotinsulin Insugerman. Klin. Wschr., 1937, 16: 392-6.—Shepardson, H. C., & Friedlander, R. D. Clinical experiences with long-acting insulin in ambulatory diabetic patients. Ann. Int. M., 1938-39, 12: 830-7.—Srnec, K. Bedeuten die Depotinsuline einen Fortschritt in der Diabetesbehandlung? Med. Klin., Berl., 1939, 35: 348-52.—Stötter, G. Aussprache über die Praxis der Depotinsulinbehandlung. Fortsch. Ther., 1941, 17: 100-3.—Stoll, W. Zur Depotwirkung des Nativinsulins. Med. Welt, 1939, 13: 1603-6.—Taeger, H. Einige Beobachtungen bei der Depotinsulinbehandlung. Deut. med. Wschr., 1939, 65: 1718. Also Münch. med. Wschr., 1939, 86: 1294. — & Danish, L. Klinische Erfahrungen mit Depotinsulin. Klin. Wschr., 1937, 16: 1639-42.—Tillgren, J., & Carlberg, U. Le traitement diabétique par insuline de dépôt et par administration d'insuline très matinale. Acta med. scand., 1938, 96: Suppl. 90, 73-9.—Umber, F. Erfolge der Depotinsulinbehandlung. Deut. med. Wschr., 1938, 64: 1025-7. Diabetesbehandlung und Depotinsulin. Ibid., 1941, 67: 342-5. — & Störing, F. K. Erfolge der Insulindot-Behandlung des Diabetes durch Insulin-Durante. Klin. Wschr., 1936, 15: 1710-7. — & Engelmann, G. Weitere klinische Erfahrungen an 240 Diabetikern mit dem neuartigen Nativ-Insulin-Depot. Ibid., 1939, 18: 837-9.—Umber, F., Störing, F. K., & Föllmer, W. Erfolge mit einem neuartigen Depotinsulin ohne Protaminzusatz (Surfen-Insulin) Ibid., 1938, 17: 443-6.—Umber, F., Störing, F. K., & Glet, E. Klinische und ambulante Erfahrungen mit verschiedenen Insulindotpräparaten an 250 Diabetikern. Ibid., 190-6.—Veiel, K. Ueber ambulante Umstellung Zuckerkranker auf Depotinsulin. Med. Klin., Berl., 1939, 35: 1339-41.—Walinski, F., & Hahn, L. Erfahrungen mit Depot-Insulin Bayer. Ibid., 1114.—Welz, A. Die Einstellung auf Dauerinsulin. Wien. med. Wschr., 1940, 90: 897-9.—Wilder, R. M. Clinical investigations of insulins with prolonged activity. Ann. Int. M., 1937, 11: 13-30.—Zirwer, K. Beobachtungen über Insulindotbehandlung. Klin. Wschr., 1937, 16: 1121.—Zubiran, S. Los compuestos insolubles de insulina en el tratamiento de la diabetes. Gac. méd. México, 1938, 68: 1-26.

— Dosage and requirements.

MORIN, J. [née LORMAND] *Les injections continues d'insuline; déductions physiologiques et thérapeutiques. 55p. 8°. Par., 1938.

Allen, F. M. The timing of insulin doses. J. Am. M. Ass., 1924, 82: 1937.—Baranov, V. G. [Treatment of diabetes with hypoglycemic doses of insulin] Klin. med., Moskva, 1939, 17: No. 12, 11-21.—Barnard, E. J. W. Dosage of insulin. Lancet, Lond., 1942, 1: 399.—Baudouin, A., & Lewin, J. Injection intraveineuse continue d'insuline chez l'homme; recherche de la dose limite. C. rend. Soc. biol., 1936, 121: 1594-6. — & Azérad, E. Injections intraveineuses continues d'insuline; recherche de la dose d'entretien chez 3 diabétiques. Ibid., 1938, 127: 380-2. — Injections continues d'insuline chez le chien; dose limite par voie intra-artérielle et intraveineuse méscntérique. Ibid., 1935, 120: 865. — Injections continues d'insuline chez les diabétiques; dose néces-

- saire pour ramener la glycémie à la normale. *Ibid.*, 1938, 127: 378-80.—**Bauer, J.**, & **Monguió, J.** Ueber den Schwellenwert des Insulins. *Zschr. klin. Med.*, 1932, 121: 476.—**Beale, S. M., jr.** Clinical uses of small doses of insulin. *Tr. Am. Lar. Rhin. Otol. Soc.*, 1937, 43: 222-6.—**Behr, G.** Dosage of insulin. *Lancet*, Lond., 1942, 1: 459.—**Bischoff, F.**, & **Jemtegaard, L. M.** Divided dosage of insulin. *Am. J. Physiol.*, 1937, 119: 149-52.—**Boller, R.**, & **Falta, W.** Ueber das Glukose-Aequivalent des Insulins. *Mitt. Ges. inn. Med. Wien*, 1932, 31: 98-110, tab.—**Boller, R.**, & **Uiberrak, K.** Der Einfluss chronischer und akuter Hyperinsulinisierung auf die alimentäre Hyperglykämie beim Diabetes mellitus. *Wien. Arch. inn. Med.*, 1935, 27: 75-96.—**Bose, J. P.** Insulin requirements in India. *Ind. M. Gaz.*, 1941, 76: 573.—**Bowcock, H. M.** A graphic demonstration of insulin dosage. *J. Am. M. Ass.*, 1930, 94: 338.—**Browning, E.** Diabetes treated with decreasing dosage of insulin. *Brit. M. J.*, 1924, 1: 424.—**Cambridge, P. J.** The dosage of insulin. *Practitioner*, Lond., 1925, 115: 190-7.—**Clark, B. B.**, **Gibson, R. B.**, & **Paul, W. D.** Use of insulin in divided doses to manage severe uncomplicated diabetes and to control complicated medical cases. *Arch. Int. M.*, 1935, 56: 360-73.—**Desgrez, A.**, **Bierly, H.**, & **Rathery, F.** Les doses d'insuline; leurs effets physiologiques et thérapeutiques. *Bull. gén. théor.*, 1925, 176: 200-11.—**Donhoffer, S.**, & **Liposis, E.** Insulinbedarf und Diabetestyp. *Deut. Arch. klin. Med.*, 1933-39, 183: 218-29; 1939, 184: 179-82.—**Falta, W.** Insulinbedarf und Diabetes-Typ. *Ibid.*, 1939, 184: 175-8.—**Falta, W.** Ueber das Glukose-Aequivalent des Insulins. *Wien. med. Wschr.*, 1932, 82: 1296.—**Felsch, K.** Behandlung der Zuckerkrankheit mit kleinsten Mengen Insulin. *Deut. med. Wschr.*, 1925, 51: 1198.—**Fornet, W.** Ueber Dosierung des innerlichen Insulins. *Wien. med. Wschr.*, 1926, 76: 66.—**Forti, C.** Insulina a dosi massive e salasso. *Boll. Soc. ital. biol. sper.*, 1938, 13: 205-7.—**Glass, W. L.**, **Spingarn, C. L.**, & **Pollack, H.** Unusually high insulin requirements in diabetes mellitus; report of a case. *Arch. Int. M.*, 1942, 70: 221-35.—**Glassberg, B. Y.** Gauging the dose of insulin. *J. Lab. Clin. M.*, 1934, 19: 1173-8.—**Gosling, G. W.** Effect of therapy upon the insulin requirement in diabetes. *J. Missouri M. Ass.*, 1939, 36: 69-72.—**Gosling, G. W.** Insulin requirements in India. *Ind. M. Gaz.*, 1941, 76: 702.—**Greeley, P. O.** The basal insulin requirement of depancreatized dogs. *Am. J. Physiol.*, 1937, 120: 345-9.—**Guthrie, J. B.** The duration of insulin action. *Ibid.*, 1940, 129: 17-21.—**Guthrie, J. B.** Dosage of insulin and table for its use; insulin on day of weekly fast; cell re-education to overcome insulin shock accompanying high blood-sugar. *Med. Clin. N. America*, 1926, 9: 943-58.—**Holcomb, R.** Insulin in diabetes mellitus; the effect of diet on its dose. *Northwest M.*, 1934, 33: 121-4.—**Holzer, H.**, & **Klein, O.** Zur Aenderung der Stoffwechsellaage schwerer Diabetesfälle nach kurz dauernder Behandlung mit hohen Insulindosen. *Deut. Arch. klin. Med.*, 1926, 153: 129-51.—**Hrubetz, M. C.** The time curve after insulin. *Am. J. Physiol.*, 1934-35, 110: 384-6.—**John, H. J.** The relation of the insulin requirement of the weight increase in diabetic children. *Ohio M. J.*, 1936, 32: 965-7.—**Jordan, W. R.** The apportionment of insulin throughout the day in the treatment of diabetes. *South. M. & S.*, 1936, 98: 420-2.—**Lamers, K. L. E.** L'équivalent glucose-insuline. *C. rend. Soc. biol.*, 1926, 94: 792-5.—**Le Fever, H. E.** Determinations necessary to adjust insulin doses. *Med. J. & Rec.*, 1924, 120: 481.—**Lemann, I. I.** The practical adjustment of insulin dosage and some of its difficulties. *Texas J. M.*, 1926-27, 22: 322-6.—**Luntz, G. R. W. N.** Dosage of insulin. *Lancet*, Lond., 1942, 1: 575.—**Mahler, P.** Zur Insulindosierung bei leichten Diabetikern. *Med. Klin.*, Berl., 1924, 20: 376-8.—**Marchbanks, H. E.** Frequency of insulin dosage and increased threshold. *J. Missouri M. Ass.*, 1925, 22: 434-6.—**Martin, H.**, **Drury, D. R.**, & **Strouse, S.** Basal insulin requirement in diabetes mellitus. *Arch. Int. M.*, 1940, 66: 78-92.—**Martin, H. E.**, **Greeley, P. O.**, & **Soil, S.** A new method for study of the fasting insulin requirement of the severe diabetic. *Am. J. M. Sc.*, 1941, 201: 509-16.—**Ménard.** Remarques relatives à la répartition des doses d'insuline. *Arch. méd. Angers*, 1938, 42: 105-8; 115.—**Murray Lyon, R. M.** Insulin requirements of diabetic outpatients. *Edinburgh M. J.*, 1935, 42: 241-6.—**Oakley, W.** Dosage of insulin. *Lancet*, Lond., 1942, 1: 633.—**Plotz, M.** Postprandial insulin; individualizing time of administration of insulin. *J. Am. M. Ass.*, 1936, 107: 768-70.—**Pollack, H.** Conditions associated with unusual requirements for insulin. *Proc. Mayo Clin.*, 1933, 8: 453-6.—**Priesel, R.**, & **Wagner, R.** Der Insulinbedarf des zuckerkranken Kindes. *Msehr. Kinderh.*, 1926, 34: 498-501.—**Das Glukoseäquivalent des Insulins beim kindlichen Diabetes mellitus.** *Klin. Wschr.*, 1927, 6: 1225-7.—**Redisch, W.** Aenderung des Insulinbedarfs bei schwerem Diabetes. *Med. Klin.*, Berl., 1936, 32: 1425.—**Rojo, D. J.** Insulina y el reposo funcional del páncreas; las pequeñas dosis de mantenimiento. *Sem. méd.*, B. Air., 1924, 36: 392.—**Roselló, H.**, **Benatti, D.**, & **Balea, E.** Acción de la insulina a pequeña dosis en el animal diabético. *Rev. med.*, Rosario, 1926, 1: 50.—**Sciclounoff, F.**, & **Martin, E.** Sur le moment favorable à l'injection d'insuline dans le traitement du diabète; à quelle distance du repas administrer l'insuline chez les diabétiques. *Schweiz. med. Wschr.*, 1935, 65: 1244-7.—**Simpson, S. L.** Dosage of insulin. *Lancet*, Lond., 1942, 1: 489.—**Sindoni, A., jr.** Optimum time to administer insulin. *Arch. Int. M.*, 1936, 57: 949-58.—**Spiegelman, A. R.** Influence of estrogen on the insulin requirement of the diabetic. *Am. J. M. Sc.*, 1940, 200: 228-34.—**Steinbrinck, W.** Ueber Insulinersparnis durch zeitlich verschobene Verabreichung. *Fortsch. Med.*, 1926, 44: 847-9.—**Tillgren, J.**, & **Ingolf, K.** Frühe Morgendosen bei der Insulinbehandlung. *Acta med. scand.*, 1934, Suppl. 59, 138-45.—**Tolstoi, E.**, & **Ravner, J.** The effect of simultaneous multiple injections of insulin on the blood sugar. *J. Lab. Clin. M.*, 1938-39, 24: 458-61.—**Tyler, D. B.**, **Greeley, P. O.**, & **Drury, D. R.** Dehydration and basal insulin requirement. *Proc. Soc. Exp. Biol.*, N. Y., 1939, 42: 393-6.—**Vesce, C. A.** Il tempo di somministrazione dell'insulina in rapporto con i pasti nei diabetici. *Riforma med.*, 1937, 53: 187-92.—**Walther, W. W.** Dosage of insulin. *Lancet*, Lond., 1942, 1: 306.—**Weiler, E. S.** El dosage eficaz de la insulina. *Rev. méd. Rosario*, 1926, 16: 83-7.—**Wilder, R. M.** Insulin treatment in diabetes. *Clin. Med.*, 1942, 49: 370.
- **experimental.**
- Chabanier, H.**, **Lobo-Onell, C.**, & **Lebert, M.** Etude expérimentale et clinique d'un extrait alcoolique de pancréas (insuline) en vue de son application au traitement du diabète humain; les cures d'insuline. *Bull. méd.*, Par., 1923, 37: 579-96.—**Copp, E. F.** Effects of insulin treatment on experimental diabetes of dogs. *California West. M.*, 1926, 24: 618-21.—**Hornung, S.** [On long experimental application of insulin] *Polska gaz. lek.*, 1927, 6: 972-4.—**Litterer, H.**, & **Teachout, S. R.** Experimental work withletin (insulin) in the treatment of diabetes; with report of cases. *J. Tennessee M. Ass.*, 1923-24, 16: 197-202.—**Rathery, F.**, **Kourisky, R.**, & **Gibert, S.** Influence de l'insuline sur l'absorption globale du glucose chez les chiens diabétiques. *C. rend. Soc. biol.*, 1929, 100: 728-31.—**Rosello, H.**, **Benatti, D.**, & **Balea, E.** Acción de la insulina a pequeñas dosis en el animal diabético. *An. Fac. med.*, Montev., 1926, 11: 259-62.—**Sison, A. B. M.**, & **Navarro, R.** Preliminary report on the effects of pancreatic extract, prepared by the Bureau of Science, on diabetic patients. *J. Philippine Islands M. Ass.*, 1924, 4: 178-82.
- **Failure.**
- See Insulin therapy, Result.
- **Forensic aspect.**
- Chiropactic:** death of diabetic patient following withdrawal of insulin. *Fed. Bull.*, Chic., 1941, 27: 351.—**Greiff, W.** Ist die regelmässige Anwendung von Insulin als ärztliche Behandlung im Sinne der RVO. anzusehen? *Vertrauensarzt*, 1934, 2: 107-9.—**Malpractice:** liability of physician for administration of insulin in insulin shock. *J. Am. M. Ass.*, 1941, 116: 1869.—**Manslaughter by the withdrawal of insulin.** *Med. J. Australia*, 1939, 2: 805.—**Pacheco e Silva, A. C.** As psicoses post-insulinotéricas e a sua importância médico-legal. *Tr. Congr. lat. amer. crim.*, 1938, 1. Congr., 3: 221.
- **Glucose-insulin.**
- See also Heart failure, Treatment.
- Dandurand, R.** L'association glucose-insuline dans la maladie post-opératoire. *J. Hotel-Dieu Montréal*, 1937, 6: 159-65.—**D'ignazio, C.** Considerazioni cliniche sulla glucosio-insulina-terapia. *Gior. med. Alto Adige*, 1932, 4: 585-606.—**Eschweiler, P. C.** Dangers of the indiscriminate coverage of parentally administered glucose with insulin. *Surg. Gyn. Obst.*, 1940, 71: 141-5.—**Fabrykant, M.**, & **Wiener, H. J.** The effect of added carbohydrate upon stabilized insulin-treated diabetics. *Am. J. M. Sc.*, 1940, 199: 834-40.—**Fortunato, A.**, & **Maccarione, F.** Influenza della terapia glucosio-insulina sulla funzionalità epatica. *Gazz. internaz. med. chir.*, 1926, 31: 420-3.—**Franco, P. M.** Contributo allo studio sopra l'azione del glucosio e dell'insulina sopra l'apparato cardiovascolare. *Fol. med.*, Nap., 1934, 20: 3-35.—**Gillepsie, G. Y.** Uses of glucose and insulin in diseases of children. *South. M. J.*, 1928, 21: 834-7.—**Grunenberg, K.** Ueber die Wiederherstellung geschädigter äusserer Organfunktion von Leber und Pankreas durch die kombinierte Insulin-Traubenzucker-Therapie. *Deut. med. Wschr.*, 1926, 52: 271.—**Also Zschr. klin. Med., 1926, 103: 342-58.—**Hansen, K. M.**, & **Rontlund, H.** The influence of insulin on the blood sugar curve in diabetes after the administration of glucose, with special reference to the activity of the peripheral tissues. *Acta med. scand.*, 1925, 62: 213-34.—**Klein, D.** The effects of administration of glucose and insulin on blood pyruvate and lactate in diabetes mellitus. *J. Biol. Chem.*, 1942, 145: 35-43.—**Koref, O.**, & **Rigler, R. W.** Ueber die Wirkung gleichzeitiger Injektion von Zuckerlösungen und Insulin auf den Blutzuckerspiegel. *Klin. Wschr.*, 1924, 3: 1538.—**Lamers, K. L. E.** Le métabolisme du lapin sous l'influence de l'injection combinée de glucose et d'insuline. *C. rend. Soc. biol.*, 1926, 94: 795-7.—**Levi, P.** Ricerche sulle modificazioni della glicemia in seguito ad iniezione di insulina e contemporanea introduzione di glucosio negli stati normali. *Policlinico*, 1936, 43: sez. med., 533-9.—**Levy, W. E.** The value of glucose and insulin to the obstetrician and gynecologist. *Am. J. Obst.*, 1926, 12: 866-71.—**Loeb, R. F.**, **Nichols, E. G.**, & **Paige, B. H.** Insulin; some effects on normal rabbits protected from hypoglycemia by ingestion of dextrose. *Arch. Int. M.*, 1931, 48: 70-81.—**Messina, R.** Calceinemia e potassiemia nei cardiaci prima e dopo somministrazione insulina-glucosio. *Fol. med.*, Nap., 1935, 21: 652-63.—**Osato, S.** Ueber die Wirkung von Insulin-Glucose auf nicht diabetische schwere Krankheitszustände. *Zschr. ges. exp. Med.*, 1926, 51: 488-96.—**Ohba, R.** Ueber die Wirkung von Insulin-Glucose**

auf nicht diabetische schwere Krankheitszustände; experimenteller Teil. Jap. J. M. Sc., 1925-27, 1: Tr., 1-24.—**Penati, F., & Baroffio, G.** Sull'azione del glucosio e dell'insulina sull'apparato cardiovascolare. Arch. sc. med., Tor., 1931, 55: 467-518.—**Perin, A.** Glicemia e fosfatemia sotto l'influenza dello zucchero e dell'insulina nel bambino. Riv. clin. pediat., 1937, 35: 980-1016.—**Piazza, V. C.** Sulla variabilità dell'equivalente insulino-glucosio. Bol. Soc. ital. biol. sper., 1927, 2: 800-4.—**Posternack, O.** Les modifications de la glycémie à la suite d'injections d'insuline et d'absorption simultanée de glucose chez les sujets normaux ou diabétiques. Presse méd., 1935, 43: 1235-7.—**Pucsko, O.** Ueber kombinierte Traubenzucker-Insulintherapie bei Diabetes mellitus. Münch. med. Wschr., 1928, 75: 1032-4. — Perorale Traubenzuckergaben in Kombination mit Insulin als therapeutische Massnahme bei Diabetes mellitus. Med. Klin., Berl., 1929, 25: 1284-7.—**Rathery, F., & Cosmulesco, I.** Les variations du sucre protéidique chez les diabétiques à la suite de l'administration séparée ou concomitante de glucose et d'insuline. J. physiol. path. gén., 1934, 32: 425-31.—**Rimbaud, L., Balmès, A., & Anselme-Martin, G.** L'association sucre-insuline en thérapeutique cardiaque. Presse méd., 1931, 39: 1647-50.—**Shillito, L.** Glucose-insulin therapy and vasovagal attacks. Brit. M. J., 1934, 2: 941.—**Thalhimer, W., Raine, F.** [et al.] Effect of injections of dextrose and of insulin and dextrose on blood sugar. J. Am. M. Ass., 1926, 87: 391.—**Wolf, H. J.** Ueber den Einfluss von Insulin und Glucose auf den Sauerstoffverbrauch des überlebenden Froschrückenmarks. Arch. ges. Physiol., 1927, 216: 322-36.

History.

See also Insulin, History.

IMBERT, A. *Les données récentes sur l'emploi de l'insuline. Rsp. 8°. Par., 1924.

Barker, L. F. Banting's service to humanity and especially to children; the experience of ten years within insulin. Am. Med., 1933, 39: 53-66.—**Best, C. H.** Insulin and diabetes; the present position. Brit. M. J., 1938, 1: 1315. Also Lancet, Lond., 1938, 1: 1393.—**Boucher, R.** Diabète et insuline (historique). Union méd. Canada, 1924, 53: 55-74.—**Corrigan, E. E.** Remarks on the treatment of diabetes as modified by the discovery of insulin. Long Island M. J., 1923, 17: 478-82.—**Gill, A. M.** Advances in insulin therapy. Middlesex Hosp. J., 1938, 38: 3-5.—**Goglia, G.** Lo stato attuale dell'insulino-terapia. Fol. med., Nap., 1924, 10: 616; 662.—**Graham, G.** The present position of insulin therapy. Lancet, Lond., 1924, 2: 1265.—**Maclean, H.** [et al.] The present position of the treatment of diabetes by insulin. Br. M. Soc. London, 1924-25, 48: 118-31.—**Grignon, C. E.** Les progrès de l'insulino-therapie dans le diabète. Union méd. Canada, 1939, 68: 246-50.—**Hagedorn, H. C.** Fortschritte in der Insulin-Therapie. Internat. med. W. Schweiz 1937 1938, 3. Congr., 406-21. Also Schweiz. med. Wschr., 1938, 68: 37-41.—**Isaac, S.** Die Wandlung der Diabetestherapie durch die Entdeckung des Insulins. Erg. ges. Med., 1924, 5: 364-97.—**Joslin, E. P.** The present status of insulin therapy. N. York State J. M., 1925, 25: 901-4.—**Kilgore, F. H., & McDaniel, W. S.** A new era in the treatment of diabetes with improved insulin compounds. Texas J. M., 1937-38, 33: 369-73.—**Kozan, V. M.** [Progress of insulin therapy] Arch. klin. med., Moskva, 1924, 3: pt 7, 154-60.—**Kulik, M.** Die Beeinflussung der insulinsäurlichen Zuckerbehandlung durch die Entdeckung des Insulins. Med. Klin., Berl., 1925, 21: 500.—**Loh, V.** Present status of insulin therapy in diabetes mellitus. Nat. M. J. China, 1923-24, 10: 391-6.—**McGee, L. C., & Martin, J. E., jr.** The Hagedorn era in diabetes mellitus. West Virginia M. J., 1939, 35: 261-8.—**MacLachlan, T. K.** Diabetes and its complications since the institution of insulin therapy. Clin. J., Lond., 1932, 61: 373; 385; 403.—**McLean, F. C.** The present status of insulin therapy in diabetes. China M. J., 1923, 37: 205-14.—**Major, R. H.** Eight years of insulin. Month. Bull. Kansas City Clin. Soc., 1931, 7: 13-17.—**Moore, H. F.** Insulin and diabetes; the present position. Lancet, Lond., 1923, 1: 715-7.—**Muñiz, J.** Do tratamento da diabetes pela insulina; estado actual da questão. Sciencia med., Rio, 1923, 1: 69-76.—**Progress in insulin therapy.** Statist. Bull. Metrop. Life Insur., 1935, 16: No. 5, 2-4.—**Recenti contributi sull'insulina nel diabete.** Riforma med., 1923, 39: 873.—**Rosenberg, M.** Der heutige Stand der Insulinbehandlung. Zschr. ärztl. Fortbild., 1927, 24: 727-30.—**Sansum, W. D., Blatherwick, N. R.** [et al.] The present status of the treatment of diabetes with insulin. California West. M., 1924, 22: 321-3.—**Schlesinger, F.** Der heutige Stand der Insulin-Therapie. Fortsch. Med., Berl., 1925, 43: 275-83.—**Zuelzer, G.** El tratamiento de la diabetes y el descubrimiento de la insulina. Sem. méd., B. Air., 1924, 31: 275.

Hypoglycemia.

See also subheadings (Allergy; Coma; Shock; Untoward effect) also Blood sugar, low.

EHAUS, S. *Ueber das Verhalten der Blutzuckerwerte während der arteficiellen Insulin-hypoglykämie bei Schizophrenen und Nicht-Schizophrenen; Beurteilung und Zusammen-

hänge mit dem hypoglykämischen Symptomenkomplex. 31 p. 21cm. Tüb., 1937.

Abelin, J., & Goldener, E. Zur Frage der Bekämpfung der Insulin-Hypoglykämie. Klin. Wschr., 1925, 4: 1777.—**Andreeva, M. P.** [Effect of narcotics of the barbiturate group on the course of insulin hypoglycemia] Biol. eksp. biol. med., 1942, 14: No. 3, 45-7.—**Aubertin, E., & Trinquier, E.** De l'utilité des aires d'hypoglycémie dans l'étude de l'action hypoglycémisante de l'insuline chez le chien. C. rend. Soc. biol., 1932, 110: 197-200.—**Baker, A. B.** Cerebral lesions in hypoglycemia; experimental investigations. Arch. Path., Chic., 1939, 28: 298-305.—**Basile, G.** Si possono evitare i disturbi da ipoglicemia dovuti all'insulina? Med. nuova, Roma, 1937, 28: 74-83.—**Bay, A. P.** Hypothermia in induced hyperinsulinism. Illinois M. J., 1939, 75: 369-71.—**Beretta, A.** Influenza dell'insulina sulla circolazione e variazioni dell'equilibrio K: Ca nella ipoglicemia. Cuore & circol., 1938, 22: 468-76.—**Blatherwick, N. R., Ewing, M. E., & Bradshaw, P. J.** Some effects of zinc and iron salts on the hypoglycemic action of insulin in rats. Am. J. Physiol., 1938, 121: 44-8.—**Bouckaert, J. P., Denayer, P., & Krekels, R.** L'équilibre dextrose-insuline. C. rend. Soc. biol., 1929, 101: 511.—**Bourret, J.** Sur un coma par hypoglycémie insulinaire chez un sujet non diabétique atteint de néphrite urémique. Arch. méd. pharm. nav., 1935, 125: 692-702.—**Brucke, K.** Ueber hypoglykämische Reaktionen. Münch. med. Wschr., 1928, 75: 120.—**Caccari, S., & Vesce, C. A.** Sull'ipoglicemia da insulina (prova di Sendrail) nei soggetti normali e diabetici. Fol. med., Nap., 1937, 23: 171-212.—**Calmena d'Aimeda, P.** Gli accidenti dell'iperinsulinemia. Minerva med., Tor., 1941, 32: pt 1, 428 (Abstr.) (microfilm)—**Carrie, P. A.** A propos des accidents d'hypoglycémie dans l'insulinothérapie. Rev. crit. path., Par., 1931, 2: 225-39.—**Chabanier, H., Lebert, [et al.]** Du rôle du degré de purification des préparations insulinales dans la détermination des accidents hypoglycémiques. Bull. Acad. méd., Par., 1927, 3. ser., 97: 577-81.—**Corwin, W. C.** Decreased resistance to hypoglycemia on successive days of administration of insulin. Collect. Papers Mayo Clin., 1938, 30: 421. Also Am. J. Physiol., 1939, 125: 227-33.—**Duncan, G. G., & Polk, D. S.** The hypoglycemia hazard in the treatment of diabetes mellitus. Med. Clin. N. America, 1929-30, 13: 1013-20.—**Ernstene, A. C., Riseman, J. E. F.** [et al.] The mechanism of the circulatory changes accompanying insulin hypoglycemia. Am. J. Physiol., 1935, 111: 440-7.—**Fazekas, J. F., & Himwich, H. E.** The effect of zinc and aluminum on the hypoglycemic action of insulin. J. Pharm. Exp. Ther., 1936, 58: 260-3.—**Findlay, L.** Pseudo-hypoglycaemic attacks. Brit. M. J., 1938, 1: 231.—**Fischer, F.** Insulintherapie, hypoglykämische Reaktion und glykoprive Intoxikation. Münch. med. Wschr., 1923, 70: 1407-9. — Zur Kenntnis des Traubenzuckerabbaues bei der toxischen Insulinwirkung. Ibid., 1927, 74: 680-2.—**Forti, C.** Ricerche sull'ipoglicemia da insulina; azione dello zolfo sull'ipoglicemia insulinica. Boll. Soc. ital. biol. sper., 1936, 11: 915. — Ricerche sull'ipoglicemia da insulina; sull'iperinsulinemia nel piccione. Ibid., 916. — L'azione del salasso sulla sindrome ipoglicemica da insulina. Fisiol. & med., Roma, 1939, 10: 245-64.—**Gabrielli, S.** Ulteriori ricerche sperimentali sulle variazioni glicemiche in rapporto all'introduzione parenterale di lipoidi e sulle modificazioni che essi inducono nei riguardi dell'ipoglicemia insulinica. Ann. ital. chir., 1933, 12: 1388-401.—**Gelthorn, E., & Kessler, M.** The effect of hypoglycemia on the electroencephalogram at varying degrees of oxygenation of the blood. Am. J. Physiol., 1942, 136: 1-6.—**Geriola, F., & Mesina, R.** Abbassamento del quoziente respiratorio nell'ipoglicemia insulinica. Boll. Soc. ital. biol. sper., 1938, 13: 1148-50.—**Goldstein, H. H., Bay, A. P., & Edlin, J. V.** Induced hyperinsulinism. Illinois M. J., 1938, 73: 147-51.—**Goodrich, B. E., & Smith, F. J.** Insulin hypoglycemia and the electrocardiogram. J. Nerv. Ment. Dis., 1941, 94: 10-6.—**Gravano, L.** Hipoglicemias y dosis de insulina. Actas Congr. nac. med., B. Air., (1931) 1932, 4. Congr., pt 2, 437-44.—**Greaves, A. V.** Note on hypoglycemic reactions during insulin treatment; with report of a case. Med. J. & Rec., 1926, 124: 203.—**Gyárfás, K.** Disturbances of drawing in hypoglycemia. Confina neur., Basel, 1939, 2: 148-60, incl. pl.—**Hadorn, W.** Untersuchungen über Insulinwirkung und Hypoglykämie. Helvet. med. acta, 1936, 3: 879-86.—**Harrison, G. A.** Hypoglycaemia due to insulin in children. Brit. M. J., 1926, 2: 57.—**Hattori, Y.** Ein Symptomenkomplex am Diabeteskranke bei Insulineingaben (ein Beitrag zur Hypoglykämie-theorie) Münch. med. Wschr., 1929, 76: 1634.—**Herlitz, C. W.** Experiences concerning the hypoglycemic symptom complex in insulin treatment of children. Hygiea, Stockh., 1927, 89: 329-35.—**Himwich, H. E.** A comparative study of the development of the clinical, electroencephalographic, and biochemical changes during insulin hypoglycemia. Albany M. Ann., 1938, 57: 135. — **Bowman, K. M.** [et al.] Changes in cerebral blood flow and arterio-venous oxygen difference during insulin hypoglycemia. Proc. Soc. Exp. Biol., N. Y., 1940, 45: 468. — Cerebral blood flow and brain metabolism during insulin hypoglycemia. Am. J. Physiol., 1941, 132: 640-7.—**Himwich, H. E., Frostig, J. P.** [et al.] Clinical, electroencephalographic, and biochemical changes during insulin hypoglycemia. Proc. Soc. Exp. Biol., N. Y., 1939, 40: 401. — The mechanism of the symptoms of insulin hypoglycemia. Am. J. Psychiat., 1939-40, 96: 371-85.—**Himwich, H. F., Hadidian, Z.** [et al.] Cerebral

- metabolism and electrical activity during insulin hypoglycemia in man. *Am. J. Physiol.*, 1939, 125: 578-83. — **Hungerford, H.** Ueber die Wirkung von Leberextrakt auf die Insulinhypoglykämie. *Klin. Wschr.*, 1939, 18: 647. — **Jiménez Díaz, C.** *Mancera, J., & Vega, F.* La curva de la hipoglucemia insulínica en el estado normal y patológico. *Med. ibera*, 1930, 14: pt 2, 661-75. — **John, H. J.** Time relation of the fall of blood sugar with insulin. *J. Metab. Res.*, 1924, 4: 121-33. — **Kirsner, J. B., & Bernstein, C., jr.** The relationship of insulin hypoglycemia to the method of administration and the type of insulin. *J. Lab. Clin. M.*, 1937-38, 23: 944-9. — **Klein, O.** Zur Insulinhypoglykämie beim Menschen. *Med. Klin.*, Berl., 1927, 23: 312-4. — **Labbé, M., & Boulou, R.** Les facteurs de prédisposition aux accidents d'hypoglycémie insulínique. *Prat. méd. fr.*, 1934, 15: 527-35. — **Les états hypoglycémiques en clinique: étude de l'hypoglycémie provoquée chez l'homme par l'injection d'insuline.** *Rapp. Congr. fr. méd.*, 1934, 23. sess., 3: 67-151 [Discussion] *C. rend.*, 109-65. — **Labbé, M., Escalier, & Ury, P.** L'hypoglycémie provoquée par injection intraveineuse d'insuline: test de tolérance à l'insuline. *Presse méd.*, 1934, 42: 1153. — **L'hypoglycémie insulínique provoquée chez les diabétiques.** *Ibid.*, 1185. — **Lambruschini, C.** Manifestaciones neurológicas de la hipoglucemia insulínica. *Rev. argent. neur. psiquiat.*, 1939-40, 4: 1-35. — **Lawrence, R. D.** Insulin hypoglycemia, changes in nervous manifestations. *Lancet*, Lond., 1941, 2: 602. — **Meyer, A., & Nevins, S.** The pathological changes in the brain in fatal hypoglycemia. *Q. J. Med.*, Oxf., 1942, 11: 181-201, 3 pl. — **Lewis, J. T., & Magenta, M.** Algunos factores que intervienen en la recuperación de la hipoglucemia por insulina. *Rev. As. méd. argent.*, 1924, 37: *Soc. biol.*, 370-88. — **Leyton, O.** Persistent hypoglycemia following diabetes mellitus treated with insulin. *Proc. R. Soc. M.*, Lond., 1928-29, 22: sect. clin., 71. — **Loman, J.** Sugar and oxygen metabolism of the brain during and after insulin hypoglycemia. *Tr. Am. Neur. Ass.*, 1940, 66: 83-9. — **Metabolism of the brain in insulin hypoglycemia, as demonstrated by the method of internal jugular venous puncture.** *Arch. Neur. Psychiat.*, Chic., 1940, 44: 230. Also *J. Nerv. Ment. Dis.*, 1940, 91: 759. — **Luck, J. M., & Spaulding, J.** Effect of insulin on protein metabolism, the role of hypoglycemia. *Proc. Soc. Exp. Biol. N. Y.*, 1928-29, 26: 631. — **Mainzer, F.** Ueber Ketonurie nach Insulin-Ueberdosierung, vorläufige Mitteilung. *Klin. Wschr.*, 1927, 6: 107. — **Marble, A.** Hypoglycemia due to insulin. *N. England J. M.*, 1937, 217: 130-6. — **Mayer-Gross, W.** Observations in hypoglycemia: oral and facial movements. *J. Ment. Sc.*, Lond., 1941, 87: 157-69. — **Merle, P.** Observations in hypoglycemia; C. S. F. sugar and coma. *Ibid.*, 1942, 88: 82-8. — **Observations in hypoglycemia, body temperature and coma.** *Ibid.*, 119-27. — **Merlo, P.** Reazioni iperlipemiche ed iperchetonemiche nel corso dell'ipoglucemia insulínica. *Boll. Soc. ital. biol. sper.*, 1939, 14: 154. — **Reazioni iperlipemiche nel corso dell'ipoglucemia insulínica.** *Minerva med.*, Tor., 1939, 30: pt 2, 7-13. — **Moruzzi, G.** Action de l'hypoglycémie insulínique sur l'activité électrique, spontanée et provoquée, de l'écorce cérébrale. *C. rend. Soc. biol.*, 1938, 128: 1181-4. — **L'attività elettrica della corteccia cerebrale nella ipoglucemia insulínica.** *Riv. otoneur.*, 1940, 17: 69. — **Nakayama, M., & Murakami, M.** Vergleichende Untersuchungen über die Wirkung von Lävulose und Glukose auf die Insulinhypoglykämie. *Tokyo ikkai zasshi*, 1940, 54: 952. — **Nisino, R.** Studien über die Insulinhypoglykämie, besonders über die Stoffwechsellage und die Zuckertoleranz bei derselben. *Mitt. Med. Akad. Kioto*, 1941, 31: 297-362. — **Oppenheimer, A.** Zur Klinik der hypoglykämischen Reaktion, besonders der Insulinhypoglykämie. *Med. Klin.*, Berl., 1927, 23: 1138-41. — **Parfitt, D. N.** The neurological and psychological effects of hypoglycemia. *Proc. R. Soc. M.*, Lond., 1937-38, 31: 137-48. — **Penson, J., & Wohl, J.** Recherches sur l'hypoglycémie postinsulínique chez les diabétiques. *Presse méd.*, 1935, 43: 63-5. — **Petty, O. H., & Knode, K.** Hypoglycemic reaction or insulin shock. *Ann. Clin. M.*, 1924, 3: 380-4. — **Piazza, G.** Le variazioni del contenuto in fosforo del tessuto muscolare durante l'ipoglucemia insulínica. *Arch. farm. sper.*, 1926, 43: 28-32. — **Priesel, R., & Wagner, R.** Die Gefahren der Insulin-Hypoglykämie im Kindesalter. *Klin. Wschr.*, 1927, 6: 65. — **Pullar-Stricker, H.** Counter measures in prolonged hypoglycemia. *Brit. M. J.*, 1942, 2: 350. — **Randall, W. L., Feller, A. E., & Greene, J. A.** Manifestations of insulin hypoglycemia mistaken for other disease in patients with known diabetes mellitus. *J. Iowa M. Soc.*, 1938, 28: 392-5. — **Rathery, F., & Froment, P.** Hypoglycémies insulínes silencieuses. *Bull. Soc. méd. hôp.*, Paris, 1941, 57: 322-8. — **Rennie, T. A. C., & Howard, J. E.** Hypoglycemia and tension-depression. *Psychosomat. M.*, 1942, 4: 273-82. — **Richter, C. P.** Increased dextrose appetite of normal rats treated with insulin. *Am. J. Physiol.*, 1941-42, 135: 781-7. — **Rivers, T. D.** Effect of vitamin B₁₂, sucrose and sorbitol on certain complications of insulin hypoglycemia, a clinical report. *Arch. Neur. Psychiat.*, Chic., 1940, 44: 910-2. — **Roholm, K., & Hess Thaysen, T. E.** Clinical investigations into the effect of intravenous injection of insulin, the hypoglycemic symptoms in diabetics. *Acta med. scand.*, 1933, 80: 528-49. — **Romano, N., Mazzei, E. S., & Baila, M.** Perturbaciones cardiovasculares en la hipoglucemia insulínica; estudio electrocardiográfico y tensional. *Med. ibera*, 1936, 30: pt 2, 248. — **Root, H. F.** The effect of insulin hypoglycemia upon the diabetic heart in children and youth. *Digest Treat. Phila.*, 1938-39, 2: 137. — **Rosenberg, E. F.** Biochemical observations in hypoglycemia induced by insulin; behavior of blood gases in relation to the hypoglycemic state. *J. Lab. Clin. M.*, 1938-39, 24: 809-14. — **Sandler, B. P.** The production of neuronal injury and necrosis with the virus of poliomyelitis in rabbits during insulin hypoglycemia. *Am. J. Pathol.*, 1941, 17: 69-80, 3 pl. — **Silberstein, F., Freund, J., & Révész, T.** Ueber den Ersatz von Zucker durch andere chemisch definierte Körper bei der Bekämpfung und Hintanhaltung des durch Insulin hervorgerufenen hypoglykämischen Komplexes. *Biochem. Zschr.*, 1927, 181: 327-32. — **Simonsen, K. M.** Tilfælde af hypoglykæmi med psykiske symptomer. *Nord. med.*, 1941, 11: 2227 (Abstr.). — **Stenger, K.** Ueber die Beziehungen von Lipoidämie zur Insulinwirkung und Schock. *Dent. Zschr. Verdauungskr.*, 1940, 4: 50-4. — **Stief, S., & Tokay, L.** [Pathology of brain in hyperinsulinism] *Orv. hetil.*, 1932, 76: 707. — **Sutnar, B.** [At what time of the day does the hypoglycemic reaction manifest itself in diabetics treated with insulin] *Cas. lek. česk.*, 1934, 73: 971. — **Vedel, Vidal, J., & Chaptal, J.** Accidents hypoglycémiques au cours d'un diabète maigre traité par l'insuline avec amélioration du trouble basal. *Arch. Soc. sc. méd. biol. Montpellier*, 1928, 9: 327-36. — **Vesa, A.** Elektrokardiographische Untersuchungen bei Hypoglykämie. *Acta Soc. med. Duodecim*, 1938-39, ser. B, 26: No. 9, 1-103. — **Wagner, R.** Zum Zustandsbild der Hypoglykämie nach Insulinarreichung. *Wien. med. Wschr.*, 1925, 75: 252. — **Weil, A., Liebert, E., & Heilbrunn, G.** Histology of the brain in experimental hyperinsulinism. *Arch. Pathol.*, Chic., 1937, 24: 838. — **Wiemann, E.** Hypoglykämie bei Insulinarreichung. *Klin. Wschr.*, 1931, 10: 529-34. — **Yannet, H., & Iannucci, J. F.** Effect of prolonged insulin hypoglycemia on distribution of water and electrolytes in brain and in muscle. *Arch. Neur. Psychiat.*, Chic., 1939, 42: 237-47. — **Zimmerman, H. M.** Lesions of the nervous system in hyperinsulinism. *Arch. Pathol.*, Chic., 1929, 28: 276-8. — **Ziskind, E., Hollombe, B. S., & Bolton, R. O.** Incidence and differential diagnosis of hypoglycemic convulsions. *Am. J. M. Sc.*, 1936, 192: 600-10. — **Zucker, T. F., & Berg, B. N.** The rôle of the adrenal gland in blood sugar recovery after insulin hypoglycemia. *Am. J. Physiol.*, 1937, 119: 539-48.

Indication.

- Beale, S. M., jr.** Newer clinical uses of insulin. *Tr. Am. Laryng. Ass.*, 1934, 40: 27-39. Also *Laryngoscope*, 1934, 44: 966-75. — **Bürger, M.** Die Bedeutung des Insulins für die Augenheilkunde. *Zschr. Augenh.*, 1925, 55: 326-42. — **Campbell, W. R.** The indications for the use of insulin. *Canad. M. Ass. J.*, 1930, 22: 188-92. — **Cheinisse, L.** L'insuline: sa valeur thérapeutique et ses indications. *Presse méd.*, 1923, 31: 991. — **Darnet, J. J.** La insulina en dermatologia. *Sem. méd.*, B. Air., 1927, 34: 819-24. — **Falta.** Welche sind die Indikationen zur Insulinbehandlung? *Wien. klin. Wschr.*, 1925, 38: 1395. — **Foster, N. B.** Insulin; its use and misuse. *J. Am. M. Ass.*, 1930, 94: 1971-7. — **Guha, A. K.** The therapeutic uses of insulin. *J. Ind. M. Ass.*, 1935-36, 5: 375-7. — **Henselmann, A.** [Use of insulin] *Orv. hetil.*, 1940, 84: mell., 45. — **Jervoy, J. W., jr.** Insulin in otolaryngology, a comparative study. *Tr. Am. Lar. Rhin. Otol. Soc.*, 1939, 45: 323-7. — **Jordan, A., & Laptew, W.** Insulin bei einigen Hautkrankheiten. *Derm. Wschr.*, 1936, 103: 1284-6. — **Joselin, E. P., Root, H. F.** [et al.] Therapeutic applications of insulin. *J. Am. M. Ass.*, 1935, 105: 359-68. — **Lavietes, P. H.** The use and abuse of insulin. *Rhode Island M. J.*, 1938, 21: 5-10. — **Lawrence, R. D.** The use and abuse of insulin. *Tr. M. Soc. London*, 1936, 59: 52-65. Also *Lancet*, Lond., 1935, 2: 1235. Also *Med. Press & Circ.*, Lond., 1936, 192: 10-3. — **Léopold-Lévi.** A propos de l'insuline. *Clinique, Par.*, 1929, 24: 247. — **Lier, E. H. B. van.** [Insuline and its certain contraindications] *Geneesk. gids*, 1936, 14: 411-7. — **Maselli, M.** L'insulina: applicazioni diabetiche ed extra-diabetiche. *Athens, Roma*, 1935, 4: 205-13. — **Mayhew, J. M.** Indications for the administration of insulin. *Nebraska M. J.*, 1923, 8: 433-6. — **Mendonça Castro.** Indicações da insulina. *Arch. brasil. med.*, 1927, 17: 19-36. — **Neumark, S.** Ueber Insulinbehandlung einiger Hauterkrankungen. *Derm. Wschr.*, 1928, 86: 525-35. — **Pitfield, R. L.** The various uses of insulin. *Med. Rec.*, N. Y., 1940, 152: 285-8. — **Protas, M.** The insulins, their diabetic and nondiabetic usages. *South. M. & S.*, 1940, 102: 371-6. — **Radoslav, C.** [Insulin in practice] *Rev. st. med.*, Bucur., 1926, 15: 611-20. — **Reily, L. A.** Uses and abuses of insulin. *J. Oklahoma M. Ass.*, 1927, 20: 188-92. — **Ross, G.** Indications for the use of insulin. *S. Michael Hosp. M. Bull.*, Toronto, 1923-24, 1: 92-8. — **Simon, F.** Blutzuckergehalt und Insulinbehandlung von Diabetikern. *Arch. Verdauungskr.*, 1926, 37: 363-70. — **Tuohy, E. L.** Indications for the use of insulin. *Minnesota M.*, 1924, 7: 5-8. — **Uses (The) of insulin.** *Annual Rep. Chief Med. Off.*, Lond., 1934, 157-60. — **Wilder, R. M.** Indications for the use of insulin. *Northwest M.*, 1924, 23: 444-7.

Indication, diabetic.

See also Diabetes mellitus, Treatment.

CHACAR, J. *Contribution à l'étude du traitement du diabète par l'insuline. 22p. 8°. Genève, 1927.

Adams, S. F. Insulin therapy in diabetes mellitus. *Med. Woman J.*, 1924, 31: 160-3. — **Aiazzi Mancini, M.** Insulina e diabete (fisiologia, fisiopatologia, farmacologia, applicazioni clinico-terapeutiche) *Riv. crit. clin. med.*, 1924, 25: 214-

- 25.—Allan, G. A. Diabetes mellitus and its treatment by insulin. *Brit. M. J.*, 1924, 1: 50-3.—Andrieu, K. M., & Karasikov, J. J. [Insulinotherapy in diabetes mellitus] *Vrach. delo*, 1926, 9: 915-9.—Anotaciones relativas al empleo de la insulina en el tratamiento de la diabetes, nuevas fuentes de producción de esa substancia. *Bol. Cons. nac. hig.*, Montev., 1924, 19: 131-8.—Armas, J. C. de. El tratamiento de la diabetes azucarada por la insulina. *Rev. med. cir.*, Caracas, 1923-24, 7: 66-70.—Ascoli, V., Silvestri, S., & Marino, S. L'insulina nella terapia del diabete mellito. *Probl. nutriz.*, Roma, 1924, 1: 403-8.—Bagdat'yan, M. G. [Insulin in treatment of diabetes] *Vrach. gaz.*, 1925, 29: 541-4.—Baranov, V. G. [Indications for treating diabetes with insulin and methods of its use] *Vrach. gaz.*, 1926, 30: 937-40.—Bierry, H. Diabète et insuline. *Médecine*, Par., 1922-23, 4: 951.—Biondi, G. Insulinoterapia e diabete. *Gazz. internaz. med. chir.*, 1924, 29: 81-3.—Bith, H. Tratamiento de la diabetes azucarada con insulina. *Gac. méd. Caracas*, 1924, 31: 102-7.—Black, D. R. Iletin treatment of diabetes. *J. Missouri M. Ass.*, 1923, 20: 218-23.—Blair, A. A. Insulin in the treatment of diabetes. *J. Arkansas M. Soc.*, 1924-25, 21: 155-62.—Bordoni Posse, C. La insulina en el tratamiento de la diabetes. *Arch. urug. med.*, 1933, 3: 383-92.—Brandenburg, K. Ueber die Behandlung der Zuckerkrankheit mit Einspritzungen von Insulin, eines aus der Bauchspeicheldrüse gewonnenen, zuckerspaltenden Stoffes. *Med. Klin.*, Berl., 1923, 19: 945.—Cecconi, A. Un nuovo rimedio contro il diabete: l'insulina. *Minerva med.*, Tor., 1923, 3: 427-9.—Chabanier, H. Du traitement du diabète sucré par l'insuline. *J. méd. Par.*, 1924, 43: 95-100.—Lobo-Onell, C., & Lebert, M. Des indications fournies par l'étude de 70 cas de diabète sucré traités par l'extrait alcoolique de pancréas (insuline) *J. méd. fr.*, 1923, 12: 373-81.—De la cure d'extrait alcoolique de pancréas (insuline) chez les diabétiques. *Rev. internat. méd. chir.*, Par., 1923, 34: 39-42.—El extracto alcohólico de páncreas (insulina) en la diabetes. *Sem. méd.*, B. Air., 1923, 30: pt 2, 266-9.—De la mise en pratique du traitement du diabète par l'insuline de la conduite du traitement de fond par les cures d'insuline et des indications de l'insuline. *Presse méd.*, 1924, 32: 409-14.—De quelques indications qui se dégagent de l'étude de 160 cas de diabète traités par l'insuline. *Bull. Acad. méd.*, Par., 1925, 3. ser., 93: 333-40.—Cherefeddin, O., Galimidi [et al.] Traitement du diabète sucré par l'insuline. *Gaz. méd. orient.*, 1924, 69: 700.—Collens, W. S., Stoliarsky, R. G., & Netzer, S. Is the use of insulin indicated in the elderly diabetic with coronary sclerosis? *Am. J. M. Sc.*, 1936, 191: 503-11, 2 pt.—Contra-indicaciones (Las) de la insulina en la diabetes. *Med. ibera*, 1934, 28: 384; 1935, 29: 411.—Contre-indications (Les) de l'insuline dans le diabète. *Rev. méd. ext.*, 1935, 63: 191.—Corbellini, C. Diabete, insulina e nuovi probabili orientamenti di cura. *Osp. maggiore*, Milano, 1926, 3. ser., 14: 7-10.—Crawford, A. M. Diabetes mellitus, its modern treatment, with special reference to insulin. *Glasgow M. J.*, 1923, 100: 311-25.—Crummer, LeR. The insulin treatment of diabetes. *Nebraska M. J.*, 1923, 8: 205-7.—DeSautelle, W. T. Insulin in the treatment of diabetes. *J. Tennessee M. Ass.*, 1923-24, 16: 279-84.—Desgrez, A., Bierry, H., & Rathery, F. L'emploi de l'insuline chez les diabétiques. *Bull. Soc. méd. bôp.*, Par., 1923, 3. ser., 47: 1693-9.—Desgrez, A., Rathery, F., & Froment, A. P. Sur l'insuline comme agent curateur du diabète. *Bull. gén. théor.*, 1926, 177: 448-56.—Deusch, G. Die Insulinbehandlung der Zuckerkrankheit. *Aerzt. Rdsch.*, 1924, 34: 141.—Di Core, A. L'insulina nella cura de diabete mellito. *Rass. internaz. clin. ter.*, 1923, 4: 307-10.—Drouet, G. Le traitement du diabète par l'insuline. *J. méd. Par.*, 1923, 42: 713-6.—Ercklentz, W. Ueber die Behandlung des Diabetes mit Insulin. *Deut. med. Wschr.*, 1923, 49: 1073. Also *Gac. méd. Caracas*, 1923, 30: 372-5.—Escudero, P., & Iriart, M. El tratamiento de la diabetes grave por la obtención de la normoglucaemia insulínica. *Sem. méd.*, B. Air., 1926, 33: pt 2, 645-8.—Everett, M. Insulin in the treatment of diabetes mellitus. *Johns Hopkins Nurs. Alumnae Mag.*, 1923, 22: 168-71.—Falta, W. Ueber die Behandlung mit Insulin. *Wien. klin. Wschr.*, 1923, 36: 809.—Ueber die Bedeutung des Insulins für Klinik und Behandlung der Zuckerkrankheit. *Klin. Wschr.*, 1924, 3: 1385-9.—Indikationen und Kontraindikationen der Insulinbehandlung beim Diabetes. *Wien. klin. Wschr.*, 1928, 41: 1411.—Ueber Diabetes mellitus. *Wien. med. Wschr.*, 1930, 80: 622.—Depisch, F., & Höglér, F. Ueber die Insulinbehandlung des Diabetes mellitus. *Wien. Arch. inn. Med.*, 1924, 8: 13-32.—Fischer, O. Ueber Insulinbehandlung des Diabetes mellitus. *Münch. med. Wschr.*, 1924, 71: 73-6.—Ueber Insulin; die Behandlung nicht akut bedrohlicher Fälle. *Tungchi med. Mschr.*, 1925-26, 1: 95-104.—Fitz, R. The treatment of diabetes mellitus, insulin. *Med. Clin. N. America*, 1923, 7: 671-3.—& Murphy, W. P. La insulina como inversión económica para el diabético. *Sem. méd.*, B. Air., 1924, 31: 666-70.—Forrest, W. D., Smith, W., & Winter, L. B. On the change in the nature of the blood sugar of diabetics caused by insulin. *J. Physiol.*, Lond., 1923-24, 57: 224-33.—Foster, N. B. The treatment of severe diabetes with insulin. *N. York M. J.*, 1923, 117: 591-4.—Franzin, B. Lo studio della glicemia oraria nei diabetici prima ed in corso di terapia insulínica. *Arch. pat.*, Bologna, 1932-33, 12: 203-29.—Garlick, J. B. The use of insulin in diabetes. *Am. J. Clin. M.*, 1923, 30: 395-400.—Gigon, A. Diabetes und Insulinwirkung. *Schweiz. med. Wschr.*, 1928, 58: 335-9.—Insulin und Diabetesfragen. *Klin. Wschr.*, 1933, 12: 294-6.—Gilbert, A., Baudouin, A., & Chabrol, E. L'insuline dans le traitement des diabètes graves. *J. méd. fr.*, 1923, 12: 387-91.—Gjuric, A. [Insulin in the treatment of refractory diabetes] *Cas. lek. česk.*, 1930, 69: 717.—Hallion. Sur l'insuline dans le traitement du diabète. *Rev. prat. biol.*, Par., 1923, 16: 104-7.—Harris, S., & Chapman, J. P. Insulin in diabetes. *J. Florida M. Ass.*, 1923-24, 10: 8-10.—Hélouin. Essais de clinique biologique appliquée au diabète. *Clinique*, Par., 1924, 19: 251-3.—Hofmann, E. Zur Theorie und Praxis der Insulinbehandlung. *Psychiat. neur. Wschr.*, 1939, 41: 339; 353.—Ide, M. Diabète et insuline. *Rev. méd.*, Louvain, 1932, 305-13.—Insulina (L') e la terapia del diabete. *Gazz. osp.*, 1924, 45: 985-8.—Jaksch-Wartenhorst, R. Insulin und Diabetes. *Zbl. inn. Med.*, 1924, 45: 2.—Joslin, E. P. Insulin and diabetes. *Common Health*, Bost., 1934, 21: 78-81.—K., G. Das Pankreasextrakt Insulin zur Behandlung des Diabetes. *Ther. Gegenwart*, 1923, 64: 233.—Kaplan, A. W., & Konopnicki, J. Traitement du diabète sucré par l'insuline. *Presse méd.*, 1928, 36: 1251-4.—Keeton, R. W. The use of insulin in the treatment of diabetes mellitus. *J. Am. Pharm. Ass.*, 1924, 13: 9-17.—Kilduffe, R. A. Insulin, its use in the treatment of diabetes mellitus. *Trained Nurse*, 1923, 71: 404-7.—Labbé, M. Traitement du diabète par l'insuline. *Rev. internat. méd. chir.*, Par., 1923, 34: 95-8.—L'insuline et le diabète. *J. méd. Par.*, 1924, 43: 391.—L'insuline dans le traitement du diabète. *Ibid.*, 283-5. Also *Gaz. sc. méd. Bordeaux*, 1924, 45: 473.—Indications, technique et résultats du traitement du diabète par l'insuline. *Ann. méd.*, Par., 1927, 22: 563-79.—Les indications et l'emploi de l'insuline chez les diabétiques. *Gaz. méd. Par.*, 1927, 397-400.—Le Clercq, F. S. L'insuline dans le traitement du diabète. *Clinique*, Par., 1925, 20: 34-6.—Lemant, I. J. The treatment of diabetes mellitus with insulin (Iletin). *N. Orleans M. & S. J.*, 1923-24, 76: 31-5.—Lematte, L. Le traitement du diabète par l'insuline; indications thérapeutiques; posologie. *Evolut. méd. chir.*, 1923, 4: 227-30.—Lenné. Diabetes mellitus und Insulinbehandlung. *Deut. med. Wschr.*, 1924, 50: 238.—Lereboullet, Chabanier, H. [et al.] Insuline et diabète sucré infantile. *C. rend. Congr. fr. méd.*, 1923, 17. sess., 315-9.—Lutz, O. Ueber Insulinbehandlung bei schwerem Diabetes. *Münch. med. Wschr.*, 1924, 71: 638.—MacDonald, J. A., Rudesill, C. L. [et al.] The treatment of diabetes mellitus with insulin. *J. Indiana M. Ass.*, 1924, 17: 137-44.—McPhedran, A., & Banting, F. G. Insulin in the treatment of severe diabetes. *Tr. Ass. Am. Physicians*, 1923, 38: 370-3 [Discussion] 405-10. Also *Internat. Clin.*, 1923, 33. ser., 2: 1-5.—McWhae, D. M. Severe diabetes treated with insulin. *Med. J. Australia*, 1923, 2: 544.—Maestri, D., Zennaro, G., & De Bel, A. Sulla cura del diabete zuccherino coll'insulina. *Riforma med.*, 1924, 40: 365.—Magazanic, G. L. [Should the diabetics be treated with insulin?] *Vrach. delo*, 1927, 10: 117.—Mauerhofer, H. Das Verhalten des Blutzuckers bei Diabetikern, nach Zufuhr verschiedener Kohlehydratträger per os, ohne und mit Insulin. *Zschr. klin. Med.*, 1927, 105: 641-60.—Mauriac, P., Piéchaud, F. [et al.] Indications et valeur pratique du traitement du diabète par l'insuline. *C. rend. Congr. fr. méd.*, 1923, 17. sess., 319-24.—Indications et résultats du traitement du diabète par l'insuline. *J. méd. Bordeaux*, 1924, 54: 167-71.—& Aubertin, F. Le traitement du diabète par l'insuline. *Ibid.*, 1925, 55: 47-56; 97-105.—Mignot, R. Le rôle thérapeutique de l'insuline dans les affections des diabétiques. *J. méd. chir.*, Par., 1928, 99: 859-71.—Minkowski. Insulinbehandlung. *Deut. med. Wschr.*, 1926, 52: 553.—Miranda, F. de P. Indicações do tratamento de la diabetes por la insulina. *Gac. méd. México*, 1927, 58: 321-8.—Mouriquand, G. Le diabète et l'insuline. *J. méd. Lyon*, 1924, 5: 1-8.—Müller, P. Die Zuckerkrankheit und ihre Beeinflussung durch Insulin. *Naturwissenschaften*, 1930, 18: 25-31.—Neuhoff, F. Insulin in the treatment of diabetes mellitus. *J. Missouri M. Ass.*, 1923, 20: 303-6.—Newcomb, C. F. Insulin. *Surg. J. Chicago*, 1924-25, 31: 129-31.—Nixon, J. A. Diabetes and insulin. *Brit. M. J.*, 1924, 1: 53-5.—O'Day, J. C. Diabetes mellitus and insulin. *Am. Med.*, 1935, 41: 80-2.—Oddo, J. Traitement du diabète sucré par l'insuline. *Marseille méd.*, 1924, 61: 222-40.—Owens, W. D. The insulin treatment of diabetes mellitus. *N. Albany Herald*, 1923, 34: 4-9.—Paulin, J. E. Insulin in the treatment of severe cases of diabetes mellitus. *South. M. J.*, 1924, 17: 153-9.—& Bowcock, H. M. The treatment of diabetes with the aid of insulin. *J. Florida M. Ass.*, 1923-24, 10: 136-41.—Peco, G. La insulina en el tratamiento de la diabetes. *Sem. méd.*, B. Air., 1924, 31: pt 2, 1242-4.—Petrén, K. Weitere Beobachtungen bei Diabetes gravis. *Acta med. scand.*, 1924, Suppl. No. 7, 139-66.—Rathery, F. Quelle place doit-on réserver à l'insuline parmi les agents thérapeutiques du diabète? *J. méd. fr.*, 1923, 12: 368-72.—Insuline: son mode d'emploi et ses indications dans le diabète. *Bull. gén. théor.*, 1924, 175: 1-15.—Rogers, T. E. The treatment of diabetes and use of insulin. *J. M. Ass. Georgia*, 1925, 14: 230-3.—Rózsa, M. [Insulin in diabetes] *Budapesti orv. ujs.*, 1930, 28: 483-7.—Semenza, C. L'applicazione terapeutica dell'insulina nel diabete mellito e nelle sue complicanze. *Gazz. osp.*, 1925, 46: 1035; 1059.—Shillington, M. A. Diabetes and its treatment with insulin. *J. Lancet*, 1924, 44: 91-4.—Smith, B. The use of insulin in the treatment of diabetes. *Southwest. M.*, 1924, 8: 324-6.—Insulin and its use in the treatment of diabetes. *Food Facts*, Los Ang., 1927, 3: No. 3, 7.—Snider, R. J. The treatment of diabetes with insulin. *West Virginia M. J.*, 1939, 35: 280-3.—Speroni, D. La insulina en el tratamiento de la diabetes. *Sem. méd.*, B. Air., 1924, 36: pt 2, 121-4.—Strauss, H. Ueber Insulinbehandlung bei Diabetes mellitus.

Deut. med. Wschr., 1923, 49: 971.—Střiteský, J. [Insulin in treatment of diabetes] Cas. lek. čes., 1931, 70: 1165-70. **Terapia** (La) del diabete con l'insulina. Studium, Napp, 1924, 14: 54.—**Thomas, D. R.** Insulin in diabetes. J. Kansas M. Soc., 1923, 23: 151-4.—**Todd, A. T.** On the diagnosis and treatment of diabetes mellitus, with special reference to the usages of insulin. Bristol Med. Chir. J., 1922, 23, 40: 182-94.—**Torday, A.** [Insulin treatment in diabetes mellitus] Budapesti orv. ujs., 1926, 24: 517; 550.—**Ulrich, H.** Insulin in acromegalic diabetes. Arch. Int. M., 1929, 43: 785-94.—**Umber.** Ueber Pankreas-Insulin und seine Anwendung bei Diabetikern. Med. Klin., 1923, 19: 1115-8. — Insulinbehandlung diabetischer Addisonkranker. Ibid., 1928, 24: 8-10.—**Wallis, R. L. M.** The internal secretion of the pancreas and its application to the treatment of diabetes mellitus. Lancet, Lond., 1922, 2: 1158-61.—**Wandel & Schmoeger.** Ueber die Behandlung des Diabetes mit Pankreasextrakten (Insulin). Deut. med. Wschr., 1923, 49: 1253-5.—**Weicksel, J.** Ueber den Diabetes mellitus gravis und die Insulinbehandlung. Prakt. Arzt, 1924, n. F., 9: 57-61.—**Wiesinger, A.** Diabetes und Insulin. Vertrauensarzt, 1937, 5: 121-6.—**Willcox, W. H.** The treatment of diabetes; with special reference to insulin. Practitioner, Lond., 1923, 111: 377-405. Also West London M. J., 1923, 28: 163-91.—**Williams, J. R.** The insulin treatment of diabetes mellitus. N. York State J. M., 1923, 23: 402-4.—**Winnett, E. B.** The treatment of diabetes with insulin. J. Iowa M. Soc., 1923, 13: 325-7.—**Zawistowski, H.** L'insuline comme moyen de traitement du diabète. Polska gaz. lek., 1924, 3: 152-4; 171.

Indication, non-diabetic.

See also **Drug addiction, Treatment; Glaucoma, Treatment; Insulin, Pharmacology, etc.**

ENGLEH, H. *Die Anwendung des Insulins bei Nichtzuckerkranken. 56p. 8° Berl., 1933.

FRANK, E., & WAGNER, A. Insulintherapie einschlägig der Indikationen bei nicht-diabetischen Erkrankungen. 99p. 8° Lpz., 1931.

HOET, J. P., AUBERTIN, E. [et al.] Les indications thérapeutiques de l'insuline en dehors du diabète. 217p. 25½cm. Par., 1930.

POULAIN, O. *Emploi thérapeutique de l'insuline en gynécologie. 109p. 8° Par., 1934.

TENDRON, J. *L'insulinothérapie chez les athrétiques et les débiles. 65p. 8° Par., 1929.

Abbott, G. A. Insulin in the treatment of non-diabetic conditions. Hosp. News, Wash., 1934, 7: 1-10.—**Allen, F. M.** Insulin in the treatment of tuberculosis. J. Am. M. Ass., 1933, 101: 1797-801.—**Andrew, K. M.** [Problem of insulin treatment of nondiabetics] Vrach. delo, 1929, 12: 1077-9.

Arevalo, J. M. Alguna de las aplicaciones extradiabéticas de la insulina. Med. ibera, 1934, 28: pt 2, 212-6.—**Aubertin, E.** De quelques indications de l'emploi de l'insuline en dehors du diabète, tirées de l'action eutrophique de cette hormone. Rapp. Congr. fr. méd., 1930, 21, sess., 3: 35-105 [Discussion] C. rend., 245-69. Also Liège méd., 1930, 23: 1561-72.—**Berro, R.** & **Jáuregui, M. A.** La insulinoterapia en el lactante. Arch. lat. amer. pediat., B. Air., 1926, 3, ser., 20: 725-58.—**Block, W.** Insulin in der Behandlung nichtdiabetischer Zustände im Säuglings- und Kindesalter. Zschr. Kinderh., 1927, 44: 204-17.—**Boyer, G. P.** L'insuline dans le traitement des affections vasculaires. Prat. méd. fr., 1927, 6: (A) 73-9.—**Budde, O.** Ueber Insulin bei nichtdiabetischen Erkrankungen jenseits des Säuglingsalters. Zschr. Kinderh., 1927-28, 45: 303-9.

Busscher, C. de. Insulina e insulinoglucooterapia extradiabética. Rev. méd. Barcelona, 1930, 14: 520-34.—**Caso, G.** Insulino-terapia nelle lesioni oculari. Ann. ottalm., 1930, 58: 68-72.—**Curschmann, H.** Ueber nichtdiabetische Indikationen der Insulinbehandlung. Münch. med. Wschr., 1926, 73: 1599.

Falta, W. Die nichtdiabetische Insulinbehandlung. Klin. Wschr., 1927, 6: 2307. Also Wien. med. Wschr., 1927, 77: 1433.—**Fumel, A.** [Insulin in non-diabetic diseases] Lek. wojsk., 1930, 15: 289-97.—**Gávrilá, I.** [Use of insulin in non-diabetics] Cluj med., 1932, 3: 35-105.—**Goldberg, A. T.** & **Schatz, M. M.** Extra-diabetic uses of insulin. Southwest M., 1940, 24: 165-7.—**Goldstein, V. M.** & **Petrovsky, G. A.** [Non-specific use of insulin] Klin. med., Moskva, 1930, 8: 548-53.—**González Deleito, D. F.** Insulinoterapia nos não diabeticos. Brasil med., 1931, 45: 129-32.—**Grafe, E.** Die Bedeutung der Insulintherapie des Diabetes für die Ophthalmologie. Deut. med. Wschr., 1924, 50: 1325-7.—**Gunn, R. E.** Insulin in the treatment of infections. J. Iowa State M. Soc., 1932, 22: 81-3.—**Gurd, F. B.** Postoperative use of insulin in the nondiabetic. Ann. Surg., 1937, 106: 761-9.—**Hagi-Paraschiv, A.** [Application of insulin outside of diabetes. Rev. st. med., Bucur., 1933, 24: 4-18.—**Hansen, O. S.** Insulin in obstetrics. Minnesota M., 1928, 11: 803-7.—**Hecht, P.** Insulinbehandlung nichtdiabetischer Krankheiten. Med. Korb. Württemberg, 1928, 98: 75.—**Higgins, R. A.** & **Ostlund, E. O.** Insulin; its use in nondiabetic children. J. Pediat., S. Louis, 1934, 5: 495-503.—**Hoet, J.** Les indications extra-diabétiques de l'insuline. Bruxelles méd., 1928-29, 9: 1243-8. Also Rev. méd. Louvain, 1929, 261-70. Also J. méd. Paris, 1930, 49: 48-51.—
Les indications thérapeutiques de l'insuline en dehors du

diabète; l'insulinothérapie en dehors du diabète. Liège méd., 1930, 23: 1553-61.—
Introduction physiologique à l'étude des indications de l'insuline en dehors du diabète. Presse méd., 1930, 38: 1433.—
Introduction physiologique à l'étude des indications thérapeutiques de l'insuline en dehors du diabète. Rapp. Congr. fr. méd., 1930, 21, sess., 3: 1-34 [Discussion] C. rend., 245-70.—**Hofhauser, I.** & **Schon, J.** [Insulin in the treatment of diseases of the lungs] Orv. hetil., 1926, 70: 189.—**Jacob, E.** & **Doussinet, P.** Traitement insulinique d'un groupe de cétozes en pathologie mentale. Bull. gén. théor., 1933, 194: 14-9.—**Jaksch-Wartenhorst.** Insulin und Nichtdiabetiker. Münch. med. Wschr., 1926, 73: 1563-7.—**Jarvis, D. C.** Clinical experience of a correspondence study group with 3-unit doses of insulin in otolaryngology. Tr. Am. Lar. Rhin. Otol. Soc., 1937, 43: 129-44.—
Small doses of insulin in otolaryngologic practice; clinical experience of a correspondence study group. Arch. Otolar., Chic., 1937, 26: 66-73.—**Klaften, E.** The indications for insulin treatment in gynaecology. Ars medici, Wien, 1935, 13: 443-50.—
Knighon, J. E. The use of insulin in conditions other than diabetes. Tristate M. J., 1934, 6: 1290.—**Labbe, M.** & **Boulin, R.** L'insuline en obstétrique. Ann. méd., Par., 1927, 22: 589-615.—**Le Febvre de Arric, M.** Les applications cliniques de l'insuline en dehors du diabète. Rapp. Congr. fr. méd., 1930, 21, sess., 3: 159-215 [Discussion] C. rend., 245-69.—**Lafresnière, G.** Les indications thérapeutiques de l'insuline en dehors du diabète. Union méd. Canada, 1931, 60: 178-85.—
Lawrence, R. D. & **McCance, R. A.** Infections and insulin action. Brit. M. J., 1931, 1: 749.—**Lelong, M.** L'insulinothérapie dans les états non diabétiques de l'enfance. Rapp. Congr. pédiat. langue fr., 1936, 9, Congr., 71-130 [Discussion] 39-47.—**M.** L'insulina nella iponutrizione e nelle infezioni. Gazz. osp., 1935, 56: 1208.—**Macciotta, G.** Applicazioni extradiabetiche dell'insulinoterapia nei bambini. Rass. clin. sc., 1936, 14: 129-35.—**MacDowell.** Da assiduidade no emprego da insulina. Tribuna med., Rio, 1928, 32: 194; 201.—
Magasaui, G. L. [Insulin in treating Basedow's disease, ulcers of the stomach, diseases of the liver, and skin diseases] Klin. med., Moskva, 1928, 6: 529-36.—**Margolis, J. I.** Insulin and nonspecific therapy; a common mechanism; the non-specific syndrome. J. Nerv. Ment. Dis., 1931, 74: 278; 494.—
Mebel, M. I. [Use of insulin in psychiatric practice] Sovet. psikhonevr., 1932, 8: 41-6.—**Mellinghoff, K.** Verzögerungsinsuline bei Stoffwechselgesunden. Zbl. inn. Med., 1939, 60: 775-7.—
— & **Voges, G.** Verzögerungsinsuline bei Stoffwechselgesunden. Deut. Arch. klin. Med., 1939, 40, 185: 345-56.—
Metcalfe, G. E. Insulin in psychiatry. St. Joseph Valley M. News, 1940, 1: 105-8.—**Meyer, W. B.** Insulin beim Nichtdiabetiker. Zschr. ärzt. Fortbild., 1928, 25: 447-52.—**Moss, J. J.** Indicaciones de la insulina con exclusión de la diabetes. Sem. méd., B. Air., 1937, 44: pt 1, 766-76.—**Motta Maia, M. C. da.** A insulina como agente terapeutico fóra da diabetes. Sciencia med., Rio, 1928, 6: 214-48.—**Pedrosa, X.** Do emprego da insulina nos estados não diabeticos. Fol. med., Rio, 1928, 9: 173.—**Pitfield, R. L.** The use of insulin in myasthenia, tuberculosis and other disorders of nutrition. Med. Rec., N. Y., 1935, 141: 328-31.—
Rau, H. Die Bedeutung des Insulins für nicht diabetische Erkrankungen im Kindesalter. Zschr. Kinderh., 1933, 55: 165-95.—**Reggiani, G.** Il trattamento insulinico nelle affezioni non diabetiche (rivista sintetica) Gior. clin. med., 1926, 7: 395-401.—**Requeiro y López, J.** Insulina y gastropatías. An. vías digest., Habana, 1930, 2: 32-7.—
Richter, P. F. Ueber Insulintherapie bei Nichtdiabetischen. Ther. Gegenwart, 1927, 68: 10-4.—**Roi, G.** L'insulino-terapia in alcuni stati distrofici della prima infanzia; sulle modificazioni della reazione attuale dei liquidi organici in seguito a terapia insulinica. Clin. pediat., Roma, 1928, 10: 663-79.—**Rojas, J. T.** Algunos casos de insulino-terapia en los no diabéticos. Gac. méd. México, 1929, 60: 109-15.—
Roller, M. Insulinbehandlung von Ulkus und Gastritis in der Allgemeinpraxis. Med. Klin., Berl., 1940, 36: 803 (microfilm)—
Root, H. F. The use of insulin in nondiabetic conditions. In Pract. Libr. M. & S. (Appleton) N. Y., 1938, Suppl., 528-30.—
Russo, P. L'insulina negli stati morbosi non diabetici. Rass. ter. pat. clin., 1929, 1: 658; 737.—**Sartorelli, U.** L'insulino-terapia in affezioni morbose non diabetiche. Gazz. osp., 1927, 48: 121-4.—
Schellong. Demonstrationen zur Insulintherapie bei Nichtdiabetikern. Münch. med. Wschr., 1926, 73: 1641. Also Klin. Wschr., 1927, 6: 141.—
Spickard, V. W. The use of insulin in the treatment of certain nondiabetic conditions of infancy and childhood. Northwest M., 1927, 26: 282-4.—
Strauss, H. Insulinkuren bei Nicht-Diabetikern. Med. Welt, 1927, 1: 425.—
Targowla, R. La cure d'insuline dans les états neuro-psychopathiques. Gaz. méd. France, 1930, 4: 47-9.—
Toscano, C. Le indicazioni extra-diabetiche della terapia insulinica. Policlinico, 1931, 38: sez. prat., 8-17.—
Tranquilli, E. L'insulina negli stati angiosi così degli ipertesi ed arteriosclerotici cardioaortici. Gazz. med. Roma, 1926, 52: 122-5.—
Trocello, E. La terapia insulinica negli stati morbosi non diabetici. Rass. clin. ter., 1926, 25: 325-48.—
Tron, G. Le applicazioni extradiabetiche dell'insulina. Terapia, Milano, 1931, 21: 97-104.—
Van Erps, E. De insulinotherapie dans les infections gynécologiques. Bruxelles méd., 1933-34, 14: 562-6.—
Vogt, E. Ueber die Insulinbehandlung nichtdiabetischer Erkrankungen. Beihfte Med. Klin., 1927, 23: 169-88.—
Wallerstein, O. R. Insulin treatment in nondiabetic disturbances. California West M., 1941, 54: 123.—
Wilson, R. Jr. The extra-diabetic uses of insulin. J. S. Carolina M. Ass., 1936, 32: 83-7.—
Wolf, M. Quelques applications de l'insuline

dans les affections non diabétique. *Presse méd.*, 1928, 36: 132-5.—Zancan, B. Insulinoterapia; applicazioni extra-diabetiche. *Minerva med.*, Tor., 1937, 28: pt 2, 71-7.

Instruments.

Busher, H. Automatic hypodermic syringe for self-administration of insulin and other uses. *J. Am. M. Ass.*, 1934, 102: 1152.—Claxton, E. E. Pocket insulin case. *Brit. M. J.*, 1935, 1: 929.—Davidson, D. L. An injection-site arm clamp for the self-administration of insulin. *N. England J. M.*, 1937, 217: 669.—O'Neill, J. A. Insulin bottle holder. *U. S. Patent Off.*, 1938, No. 2,122,722.—Williamson, N. E. A simple insulin outfit. *J. Am. M. Ass.*, 1928, 91: 567.

Insulin-adrenalin.

Andersen, T. T. Observations on insulin-adrenalin treatment by the Clausen method. *Acta med. scand.*, 1935, 86: 361-6.—Clausen, J. [Treatment of diabetes mellitus with insulin-adrenalin] *Ugeskr. laeger*, 1935, 97: 1134-7. Also *Acta med. scand.*, 1936, Suppl. 78, 694. —Lottrop, M. C. [Results in treatment of diabetes with insulin-adrenalin] *Ugeskr. laeger*, 1935, 97: 747-50.—Thune Andersen, T. [On Dr Clausen's treatment of diabetes with insulin-adrenalin] *Ibid.*, 751.—Urstadt, E. Vergleichende Untersuchungen über die Wirkungsweise des Insulin-Adrenalin Novo mit dem Insulin-Höchst bei der Diabetesbehandlung. *Deut. med. Wschr.*, 1937, 63: 1122.

local.

Adlersberg, D., & Perutz, A. Weitere Beobachtungen über die lokale Insulintherapie von Ulzerationen. *Deut. med. Wschr.*, 1930, 56: 1905-7.—Horváth, B. [Use of insulin ointment in ophthalmology] *Budapesti orv. ujs.*, 1938, 36: 901.—Kleefeld, G. Insulintherapie locale oculaire; ulcères cornéens chez le chien. *Bull. Soc. belge ophth.*, 1929, No. 59, 80-5.—Nathan, E., & Munk, A. Ueber den Einfluss lokaler Insulinbehandlung auf Ulcerationen, zugleich ein Beitrag zur Kenntnis lokaler Säurewirkungen. *Klin. Wschr.*, 1927, 6: 1747-9.—Ymaz, I. Algunas aplicaciones locales de la insulina. *Rev. As. méd. argent.*, 1934, 48: 1481-3.

Manuals.

BANTING, F. G., CAMPBELL, W. R. [et al.] Insulin in the treatment of diabetes mellitus. p.545-985. 8°. Morristown, N. J., 1922.

BEGG, A. C. Insulin in general practice; a concise clinical guide for practitioners. 130p. 8°. Lond., 1924.

CAMMIDGE, P. J. The insulin treatment of diabetes mellitus. 172p. 12°. Edinb., 1924. Also 2. ed. 216p. 1924.

FISCHER, O. Die Praxis der Insulinbehandlung. 88p. 8°. Berl., 1926.

LA BARRE, J. Diabète et insulinémie. 284p. 8°. Par., 1933.

MACLEOD, J. J. R., & CAMPBELL, W. R. Insulin: its use in the treatment of diabetes. 242p. 8°. Balt., 1925.

RATHERY, F. Le traitement insulinique du diabète. 130p. 12°. Par., 1931.

STAUB, H. Insulin; zur Einführung in die Insulintherapie des Diabetes mellitus. 106p. 12°. Berl., 1924.

Principles.

EVERSMANN, F. J. *Die Bedeutung der kontrainsulären Hormone für die Insulinbehandlung der Zuckerkrankheit [Münster] 21p. 22cm. Quakenbrück, 1937.

Adlersberg, D., & Porges, O. Glykogenanreicherung als Ziel der Insulinbehandlung. *Klin. Wschr.*, 1926, 5: 142.—Ascoli, R. L'insulina: teoria ed applicazioni pratiche. *Pensiero med.*, 1926, 15: 577-9.—Azerad, E. Les bases de l'insulinotherapie du diabète. *Progr. méd.*, Par., 1940, pt 1, 360-2.—Banting, E. G., Cammidge, P. J. [et al.] Discussion on diabetes and insulin. *Brit. M. J.*, 1923, 2: 445-51.—Benedetti, G. Soglia renale al glucosio e trattamento insulinico nel diabete mellito. *Gazz. med. ital.*, 1939, 98: 399-403.—Bisceglie, V. Lo zucchero combinato nel diabete mellito e nel suo trattamento insulinico. *Clin. med. ital.*, 1925, 56: 215-26.—Bowin, A. Biochimie du diabète et de son traitement par l'insuline. *Marseille méd.*, 1924, 61: 469-89.—Cammidge, P. J. Insulin and the nature of diabetes mellitus. *J. Am. M. Ass.*, 1924, 83: 1423-6.—Chabanier, H., & Lobo-Onell, C. Algunos puntos de vista sobre el tratamiento de la diabetes por la insulina.

Rev. med. lat. amer., B. Air., 1931-32, 17: 807-15. Also in *Contr. M. Sc. Libman Annivers. Vol.*, 1932, 1: 313-8. Also *Prensa méd.*, Habana, 1932, 23: No. 5, 5-13. Also *Presse méd.*, 1932, 40: 588-90.—Depisch, F., & Hasenöhrl, R. Zur Theorie der Gegenregulation in der Leber und im Gewebe. *Klin. Wschr.*, 1930, 9: 345-7.—Falk, O. P. J. Standard simple rules for insulin treatment of diabetes and its complications. *Illinois M. J.*, 1924, 45: 365-7.—Gigon, A. Zur Kenntnis des Insulins und des Diabetes mellitus. *Wüzb. Abh. Med.*, 1925, 22: 149-82.—Holm, K. Die Grundlagen und die Durchführung der Diabetesbehandlung mit Insulin in der Klinik und der ambulanten Praxis. *Deut. med. Wschr.*, 1930, 56: 2167-70.—Hopmann, R. Insulinbehandlung unter Berücksichtigung des 24-Stunden-Rhythmus des Diabetes mellitus. *Acta med. scand.*, 1940, Suppl. 108, 143-55.—Jensen, J. Some observations on diabetes, with special reference to the reaction of the diabetic patient to insulin. *J. Lancet*, 1926, 46: 143; 170.—Klemperer, G. Richtlinien für die praktische Insulinbehandlung des Diabetes. *Ther. Gegenwart*, 1924, 65: 88.—Le Sage, A. Le traitement du diabète par l'insuline, essai de classification nouvelle des pancréatitiques. *Union méd. Canada*, 1924, 53: 82-106.—Magnus-Levy. Das Insulinproblem und die Theorie des Diabetes. *Deut. med. Wschr.*, 1924, 50: 494-6.—Mauriac, P., Pichaud, F. [et al.] Contribution à l'étude du traitement du diabète par l'insuline. *J. méd. Bordeaux*, 1923, 53: 593-7.—Möllerström, J. Ueber die 24-Stunden-Periodizität des inneren Stoffwechsels und die rhythmische Funktion der Leber, sowie deren Bedeutung für die Insulinbehandlung bei Diabetes. *Deut. Arch. klin. Med.*, 1932, 173: 484. —Periodicity of carbohydrate metabolism and rhythmic functioning of the liver, their significance in the treatment of diabetes with insulin. *Arch. Int. M.*, 1933, 52: 649-63. —Der Einfluss der Erkenntnisse des Leberhythmus auf unsere Anschauungen über Diabetes-therapie. *Acta med. scand.*, 1940, Suppl. 108, 156-65.—Molnár, B. Glykogenanreicherung als Ziel der Insulinbehandlung. *Klin. Wschr.*, 1925, 4: 2374.—Newburgh, L. H., & Waller, D. S. Studies of diabetes mellitus, evidence that the disability is concerned solely with the metabolism of glucose, the mode of action of insulin. *J. Clin. Invest.*, 1932, 11: 995.—Nuove vedute su la patogenesi e sul trattamento del diabete mellito con l'insulina. *Studium, Nap.*, 1923, 13: 183-6.—Pierret, R. A propos de quelques travaux récents sur les glycosuries, le diabète et l'insuline. *Presse therm. clin.*, 1923, 64: 427-31.—Pollak, L. Ueber Insulintherapie und ihre physiologischen Grundlagen. *Wien. med. Wschr.*, 1925, 75: 277-87.—Sahli, H. Prolegomena zur Einführung der Insulintherapie des Diabetes mellitus. *Schweiz. med. Wschr.*, 1923, 53: 813-9.—Sansum, W. D., & Blatherwick, N. R. The essential points in the treatment of diabetes with insulin. *California J. M.*, 1923, 21: 420-3.—Sonne, C. Nogle bemerkninger om diabetesterapi med insulin og om kulhydrattolerance. *Nord. med.*, 1941, 11: 2264-6.—Wohlenberg, W. Die Bedeutung der kontrainsulären Hormone für die Insulinbehandlung der Zuckerkrankheit. *Verh. Deut. Ges. inn. Med.*, 1937, 49. Kongr., Sekt. inn. Med., 140-3.—Zanoni, G. L'insulina e le nuove vedute sul trattamento del diabete. *Med. ital.*, 1923, 4: 538-51.

Problems.

Allan, F. N. Problems in insulin therapy. *J. Med.*, Cincin., 1941-42, 22: 328-35.—Brugsch, T., & Horsters, H. Das Insulinproblem. *Klin. Wschr.*, 1925, 4: 436-8.—Burgess, A. M. Problems and results in the use of insulin in diabetes. *Rhode Island M. J.*, 1925, 8: 38-42.—Campbell, W. R. Some difficulties in the use of the insulins in diabetic practice. *Bull. N. York Acad. M.*, 1939, 15: 579-96.—Doughty, J. C. Insulin in country practice. *Virginia M. Month.*, 1924-25, 51: 92-8.—Faelli, C. Il problema dell'insulina e la terapia correlazionistica del diabete. *Policlinico*, 1940, 47: sez. prat., 1540-2.—Fitz, R. The possibilities of insulin in general practice. *Boston M. & S. J.*, 1925, 192: 519-27.—Geelmuyden, H. C. [Insulin in general practice] *Norsk. mag. laegevid.*, 1925, 86: 482-91.—Grafe, E. Probleme der Insulintherapie. *Münch. med. Wschr.*, 1936, 83: 1255-8.—Graham, G. Some difficulties in the use of insulin. *Proc. R. Soc. M.*, Lond., 1925-26, 19: Sect. Ther. Pharm., 1-8. —Insulin in general practice. *Lancet*, Lond., 1924, 1: 63-5.—Hamburger, L. P. The insulin treatment of diabetes mellitus in general practice. *Internat. Clin.*, 1923, 33, ser., 2: 35, 2 pl.—Harris, S. The use of insulin by the general practitioner. *South. M. J.*, 1924, 17: 159-76.—Joslin, E. P. Insulin in the treatment of diabetes by the general practitioner. *Proc. Connecticut M. Soc.*, 1923, 131: 182-9. —Insulin, diabetes, and the general practitioner. *Boston M. & S. J.*, 1923, 189: 288-90.—Lemann, I. I. Insulin in the hands of the general practitioner. *N. Orleans M. & S. J.*, 1924-25, 77: 409-15.—MacLean, H. The use of insulin in general practice. *Lancet*, Lond., 1923, 2: 829-33. —[Graham, G. [et al.] Discussion on the use of insulin in general practice. *Proc. R. Soc. M.*, Lond., 1923-24, 17: Sect. Ther. Pharm., 1-12.—Perrow, F. M. Difficulties in administering the proper doses of insulin in a case of diabetes, complicated by pus infection, and other noteworthy observations, as illustrated in a particular case. *Virginia M. Month.*, 1927-28, 54: 442-6.—Peters, J. T. [Treatment of diabetes with insulin in general practice] *Ned. tscr. geneesk.*, 1925, 69: pt 2, 1862-76.—Valle, M., & de Almeida e Silva, O. Algumas considerações sobre o tratamento do diabetes pela insulina. *Sciencia med.*, Rio, 1924, 2: 41-8.

Prolonged use.

Arndt, H. J. Die Wirkung lange fortgesetzter Insulingaben bei Versuchstieren. Deut. med. Wschr., 1927, 53: 2198.—Bix, H. Beobachtungen bei jahrelang insulinisierter Diabetikern. Med. Klin., Berl., 1937, 33: 1300-3.—Cavazzuti, A. Un caso di diabete grave trattato per lungo periodo coll'insulina. Minerva med., Tor., 1925, 5: 75-82.—Cotti, L. Su un particolare comportamento della bilina (ricambio emoglobinico) in seguito alla somministrazione prolungata di insulina. Ibid., 1934, 25: pt 1, 649-56.—Eg-Olofsson, R. Local changes in the subcutaneous tissue following injections of insulin. Acta med. scand., 1930, 73: 89-98.—Häst, H. F. [Case of long continued insulin poisoning.] Norsk mag. lægevid., 1929, 90: 497-504.—Hürnung, S. Recherches expérimentales sur le traitement prolongé des animaux normaux par l'insuline. C. rend. Soc. bio., 1927, 97: 1500-2.—Képinov, L., & Petit-Dutillis, S. Effets de l'action prolongée de l'insuline sur le pouvoir hyperglycémiant du sang diabétique. Ibid., 1931, 108: 626-8.—Küter, W. Zur langdauernden Insulinbehandlung schwerer Diabetiker in der Praxis. Med. Klin., Berl., 1927, 23: 1178-81.—Labbé, M. Les incidents des traitements prolongés par l'insuline. Bull. Soc. méd. hôp. Paris, 1926, 3. ser., 50: 1123-7. Also Rev. internat. méd. chir., Par., 1926, 37: 91-4. — Les traitements prolongés du diabète par l'insuline. Ann. méd., Par., 1927, 22: 121-53.—Lawrence, R. D. The effect of the prolonged use of insulin on the subcutaneous tissues. Lancet, Lond., 1928, 1: 1328.—Lee, M. O. Some effects of long continued insulin administration in rats. Abstr. Internat. Physiol. Congr., 1929, 13. Congr., 159.—Lutichau, A. Sullo scarso valore dei fenomeni di intolleranza durante il trattamento insulinico prolungato. Bull. sc. med., Bologna, 1926, 10. ser., 4: 412-5.—Tucker, D. A. Some effects of the prolonged use of insulin. J. Med., Cincin., 1931, 12: 287-9.—Waltner, K. Ueber die Wirkung wiederholter Insulingaben. Biochem. Zschr., 1926, 176: 246-50.—Williams, J. R. Results of the long-continued use of insulin in diabetes. Diet. Admin. Ther., 1927, 5: 143-5. Also N. York State J. M., 1927, 27: 49.

Protamine insulin.

See also Insulin, Derivatives: Protamine insulin.

MARGOLIS, H. M. Protamine insulin; its clinical application in the treatment of diabetes mellitus; a preliminary report. p.85-92. 8° Pittsburgh, 1936.

Allen, M. Some difficulties arising in the use of protamine insulin. J. Am. M. Ass., 1936, 107: 430.—Alperin, J. Diabetes mellitus and protamine insulin. Memphis M. J., 1937, 12: 132-4.—Antalovskij, S. [Recent experiences with protamin insulin.] Cas. lek. česk., 1939, 78: 899-912.—Arnold, H. L. Clinical trials of protamine insulin. Proc. Clin. Honolulu, 1937, 3: No. 2, pt 2, 1-4.—Bennett, T. L., & Gill, A. M. The treatment of severe diabetes in children with protamine insulin. Lancet, Lond., 1936, 2: 416.—Blair, A. A. Insulin protamine in treatment of diabetes. J. Arkansas M. Soc., 1936-7, 33: 139.—Blotner, H. The effect of protamine insulin on the blood sugar level including intravenous use in rabbits. N. England J. M., 1936, 215: 865-9.—Borloni Posce, C., & Estable, J. J. Primeros ensayos clínicos con la insulina de acción retardada (insulinato de protamina) Día méd. Uruguay, 1935-37, 4: 73.—Bowcock, H. Observations on the treatment of diabetes with protamine insulin in office and hospital. South. M. J., 1936, 29: 701-4.—Foyd, G. L. Protamine insulin in children. J. Pediat., S. Louis, 1936, 9: 417-20.—Euros, C. A note on the use of protamine insulin in the treatment of diabetes. N. Zealand M. J., 1937, 36: 130.—Caccuri, S. L'insulinato di protamina nella cura del diabete. Riforma med., 1937, 53: 3-8.—Campbell, W. R., Fletcher, A. A., & Kerr, R. B. Protamine insulin in the treatment of diabetes mellitus. Tr. Ass. Am. Physicians, 1936, 51: 161-73. Also Am. J. M. Sc., 1936, 192: 589-600.—Chalat, J. H., & Smith, A. H. Clinical study with insulin protamine. J. Michigan M. Soc., 1937, 36: 234-7.—Drysdale, H. R. Protamine insulin in juvenile diabetes. J. Am. M. Ass., 1937, 108: 1250-7.—Duncan, G. G. Protamine insulin in the treatment of diabetes. Tr. Coll. Physicians Philadelphia, 1936-37, 4: 55.—Edelman, S. D., & Fried, R. I. Protamine insulin and diabetic children. Ohio M. J., 1937, 33: 1119.—Elmer, W. [Treatment of diabetes with protamin insulin] Polska gaz. lek., 1938, 17: 9: 28.—Feinblatt, H. M., Alpert, B., & Ferguson, E. A. Protamine insulin in juvenile diabetes. Med. Rec., N. Y., 1937, 145: 366-9.—Feltz, B. F. Experience with the use of protamine insulin. J. Oklahoma M. Ass., 1937, 30: 438-40.—Foit, R., & Dub, O. [Effect of protamin-insulin on glycemia] Cas. lek. česk., 1937, 76: 1937-43.—Frey, L. Kurze Mitteilung über Erfahrungen mit Protamininsulin (Leo-Retard) beim kindlichen Diabetes. Arch. Kinderh., 1936, 109: 228-51. — Ueber Erfahrungen mit Protamin-Insulin (Leo-Retard) beim kindlichen Diabetes. Med. Klin., Berl., 1937, 33: 300-3.—Gardberg, M. Protamine insulin in the treatment of diabetes mellitus. N. Orleans M. & S. J., 1938, 91: 293-6.—Harris, S., & Harris, S., jr. Protamine insulin and the high-carbohydrate-low-fat diet in diabetes mellitus. Am. J. Digest. Dis., 1938-39, 5: 88-96.—Hatfield, S. A. Protamin insulin therapy. Proc.

Postcolleg. Clin. Assemb. Coll. M., Ohio Univ., 1937, 4: 42-5.—Hinwich, H. E., & Fazekas, J. F. Protamine-insulin and infection. Am. J. M. Sc., 1937, 194: 345-51.—Holcomb, B., & Holcomb, R. Response of insulin-sensitive and insulin-tolerant patients to protamine-insulin. Northwest M., 1938, 37: 36-9.—Hulst, L. A., & Vogtlenzang, E. H. [Experiences with protamine-insulin] Ned. tsehr. geneesk., 1936, 80: 4128-34.—Introna, F. Ricerche sul protaminato di insulina. Policlinico, 1938, 45: sez. med., 138-56.—Izquierdo & Palacios. Primeros resultados obtenidos con el insulinato de protamina. Med. iber., 1936, 30: pt 2, 326.—Jacobi, H. G. Protamine insulin in the treatment of diabetes. Am. J. Digest. Dis., 1936-37, 3: 908-15. — Clinical evaluation of protamine insulin. N. York State J. M., 1937, 37: 349-64.—Jordan, W. R. Caution in the use of protamine insulin. Virginia M. Month., 1936-37, 63: 730. — Protamine insulin for diabetes. South. M. & S., 1938, 100: 215-7.—Joslin, E. P. Protamine insulin and its advantages. N. England J. M., 1936, 215: 1166-8. — The diabetic problem as influenced by protamine insulin. J. Michigan M. Soc., 1937, 36: 819-30. — Protamine insulin, the insulin for use by the general practitioner for the majority of diabetics. Med. Clin. N. America, 1937, 21: 417-25. — Diabetes mellitus and its treatment with protamine insulin. Q. Phi Beta Psi M. Fratern., 1937, 34: 154-8. — Diabetes and protamine insulin. Mil. Surgeon, 1938, 82: 1-9. Also U. S. Nav. M. Bull., 1938, 36: 1-9.—Kepler, E. J. What the dietician should know about protamine insulin. J. Am. Diet. Ass., 1939, 15: 86-90.—Krupp, N. B. The use of protamine insulin in the clinic. Acta med. scand., 1936, Suppl. 78, 685-93. — [Clinical investigations into the action of protamine insulin] Bibl. laeger, 1936, 128: 97-100.—Lande, H. Present status of protamine insulin. Bull. N. York Acad. M., 1939, 15: 273-81.—Lawrence, R. D., & Archer, N. Some experiments with protamine insulin. Brit. M. J., 1936, 1: 747-9.—Lemann, I. I. Diabetes; experiences with protamine insulin. N. Orleans M. & S. J., 1937-38, 90: 245-8.—Levitt, A., & Castiglia, C. F. Protamine insulin compared to regular insulin in the treatment of diabetes mellitus. Am. J. Digest. Dis., 1937-38, 4: 413-7.—Lewis, A. W., jr., & Bowcock, H. The use of protamine insulin in the hospital management of diabetes mellitus. J. Florida M. Ass., 1936-37, 23: 282.—Lindsay, J. W., Rice, E. C. [et al.] Protamine insulin as a contributing factor in the death of a diabetic patient with cerebral arteriosclerosis. Ann. Int. M., 1936-37, 10: 1892-1900. — The use of protamine insulin in the treatment of diabetes mellitus. Med. Ann. Distict of Columbia, 1937, 6: 153-60.—Lönberg, A. [15 cases of grave diabetes mellitus treated with protamininsulin] Ueberskr. laeger, 1936, 98: 1011-8.—Lolli, G. Ulteriori osservazioni sull'insulina protaminica. Fisiol. & med., Roma, 1938, 9: 17-30. — & Ballatore, C. Prime esperienze con l'insulinato di protamina. Policlinico, 1937, 44: sez. med., 299-312.—Longwell, B. B., & Ravin, A. The effect of intravenous administration of protamine insulin. Am. J. Physiol., 1936, 117: 453-6.—Lookeren Campagne, J. van, & Boekhold, J. P. [Experiences with protamine-insulin in diabetes mellitus in children] Msehr. kindergeneesk., 1936, 5: 487-93.—Looney, J. M., & Glass, W. E. Protamine insulin in the treatment of diabetes in psychotic patients. Am. J. M. Sc., 1937, 194: 811-4.—MacKay, E. M., & Callaway, J. W. Hyperalimentation in normal animals produced by protamine insulin. Proc. Soc. Exp. Biol., N. Y., 1937-38, 36: 406. — & Barnes, R. H. Hyperalimentation in normal animals produced by protamine insulin. J. Nutrit., 1940, 20: 59-66.—Marchbanks, H. E., & Acton, F. The clinical use of insulin with protamine buffer. J. Kansas M. Soc., 1936, 37: 353-6.—Marcus, D. B., & Hampshire, W. M. The clinical use of protamine insulin. Grace Hosp. Bull., Dett., 1937, 21: No. 2-3, 1-8.—Marglin, M. Protamine insulin in the treatment of diabetes mellitus, with report of fetal case of hypoglycemia. Nebraska M. J., 1938, 23: 92-7.—Møller, E., & Thomsen, A. M. The treatment of diabetes mellitus with protamine insulin. Acta med. scand., 1936, 89: 308-28.—Murphy, F. D. Observations on protamine insulin. Marquette M. Rev., 1936-37, 1: 3-12.—Nadler, W. H., & Isaacs, B. L. Control of intractable clinical and of total experimental diabetes with protamine insulin. J. Lab. Clin. M., 1937-38, 23: 241-51.—Newcomb, A. L., Dick, M. W., & Schnute, L. Protamine insulin: its use in children. J. Pediat., S. Louis, 1937, 10: 437-45.—Nixon, J. A. The use of protamine insulin. Bristol Med. Chir. J., 1938, 55: 121-31. Also Clin. J., Lond., 1939, 68: 45-50.—Oakley, W. Protamine insulins in diabetes mellitus. In Brit. Encycl. M. Pract. (Routledge, H.) 1939, Surveys, 67-73. — Therapeutic use of protamine insulin preparations in diabetes mellitus. Ibid., 68-71.—Palmer, L. J., & Capaccio, G. D. Insulin and protamine in the treatment of diabetes mellitus. Northwest M., 1936, 35: 414-7.—Pérez de los Reyes, R., De La Torre, H., & Suárez, J. M. Diabetes infantil e insulinato de protamina. Arch. med. inf., Habana, 1937, 6: 5-14.—Pollack, H., & Lande, H. Protamine and insulin therapy. N. York State M. J., 1938, 38: 339-48.—Rabinowitz, I. M., Fowler, A. F., & Corcoran, A. C. Observations on the action of protamine and insulin in the treatment of diabetes mellitus. Canad. M. Ass. J., 1936, 35: 124-9.—Rathery, F., & Traversé, P. M. de l'Etude comparée de l'insuline ordinaire et d'une combinaison protamine-insuline chez le diabétique. Bull. Acad. méd., Par., 1937, 3. ser., 117: 261-72.—Richardson, R., & Bowie, M. A. Observations on the effectiveness of protamine insulin. Am. J. M. Sc., 1936, 192: 764-72.—Ricketts, H. T. Carbohydrate tolerance after

protamine insulin, its bearing on the physiology of insulin secretion. *J. Clin. Invest.*, 1938, 17: 795-801.—**Rivoire, R., Pozzo-di-Borgo, C. A.** Diabète avec insulino-sensibilité maxima traité par l'insuline de protamine. *Bull. Soc. méd. hôp. Paris*, 1937, 3. ser., 53: 1434-8.—**Root, H. F., White, P.** [et al.] Clinical experience with protamine insulin. *J. Am. M. Ass.*, 1936, 106: 180-3.—**Rudy, A.** Clinical experiences with protamine insulin in its various modifications. *Endocrinology*, 1937, 21: 544-52.—**Sharkey, T. P.** Experiences with protamine insulin therapy. *Ohio M. J.*, 1937, 33: 50-3.—**Sindoni, A., jr.** Protamine insulin versus ordinary insulin. *J. Am. M. Ass.*, 1937, 108: 1320-7.—**Smith, B.** Clinical studies with protamine-insulin. *California West. M.*, 1936, 45: 144-8.—**Grishaw, W. H.** Protamin insulin: some clinical studies; calcium and zinc preparations with insulin. *Ibid.*, 1937, 46: 157-61.—**Smith, L. B., & McKeown, H. J.** Protamine-insulin, its use in routine office treatment of ambulatory patients with diabetes mellitus. *Southwest M.*, 1937, 21: 118-22, 2 tab.—**Snelling, D. B.** The new protamine insulin in the treatment of diabetes mellitus. *J. M. Ass. Alabama*, 1937-38, 7: 9-14.—**Sprague, R. G., Blum, B. B.** [et al.] Clinical observations with insulin protamine compound. *J. Am. M. Ass.*, 1936, 106: 1701-5.—**Stanford, W. R.** Use of protamine insulin; report of cases. *South. M. & S.*, 1937, 99: 580-3.—**Stötter, G.** Die Behandlung des Diabetes mit Protaminsulinen. *Deut. Arch. klin. Med.*, 1938, 182: 413-39.—**T. H. M., jr.** Protamine insulin and diet in diabetes mellitus. *Ann. Int. M.*, 1938, 11: 2048.—**Tolstoi, E., Almy, T. P., & Toscani, V.** Treatment of diabetes mellitus with protamine insulin; is a persistent glycosuria harmful? a metabolic study of a severe case. *Ann. Int. M.*, 1942, 16: 893-903.—**Vauthey, M.** Insuline de protamine et diabète. *Gaz. hôp.*, 1937, 110: 365-8.—**Walker, S. E.** Use of protamine insulin. *Med. Bull. Veterans Admin.*, 1938-39, 15: 160-2.—**Waring, J. J., Longwell, B. B., & Ravin, A.** Protamine insulinate at Colorado General Hospital: clinical and experimental investigations. *Colorado M.*, 1936, 33: 757-73.—**Warvel, J. H.** Protamine and other slow acting insulins and their clinical application. *Rev. M. Progr. Proc. Postcoll. Clin. Assemb. Coll. M. Ohio Univ.*, 1940, 7: 140-5.—**Shaffer, M. R.** Protamine insulin in the treatment of diabetes mellitus. *J. Indiana M. Ass.*, 1937, 30: 325-32.—**White, P.** Protamine insulin in the treatment of juvenile diabetes. *South. M. J.*, 1938, 31: 15-21.—**Wilder, R. M.** Clinical investigations with insulin protamine compound. *Proc. Mayo Clin.*, 1936, 11: 257.—**Wilder, R., jr.** Why diabetes discontinues protamine insulin. *Am. J. Sc.*, 1939, 197: 557-9.—**Wilson, R., jr.** Diabetes and the use of protamine insulin. *South. M. & S.*, 1939, 101: 587-91.—**Winnett, E. B.** The treatment of diabetes with protamine insulin. *J. Iowa M. Soc.*, 1936, 26: 231-7.

Protamin zinc insulin.

See also under **Insulin, Derivatives.**

BARDY, M. *Contribution à l'étude des effets de la protamine-zinc-insuline chez les diabétiques. 74p. 24½cm. Toulouse, 1938.

FRANK-SPIER, R. G. *Ueber die Behandlung mit Protamin-Zink-Insulin in 35 Fällen von Diabetes mellitus [Bern] 31p. 21cm. Düsseldorf, 1939.

PELINE, P. *L'insuline protamine-zinc; son application au traitement du diabète infantile. 40p. 25cm. Par., 1939.

SALVAGNIAC, A. *Contribution à l'étude des effets de l'insuline-protamine-zinc au cours du diabète. 96p. 25cm. Lyon, 1939.

SCHWARTZ, V. *Traitement du diabète sucré par l'insuline-protamine-zinc. 53p. 24cm. Par., 1939.

Allan, F. N. What will protamine zinc insulin do for the diabetic? *Lahey Clin. Bull.*, 1938-40, 1: 26-30. — The diagnosis and treatment of diabetes; the use of protamine zinc insulin. *N. York State J. M.*, 1939, 39: 1924-8.—**Archambault, H. A., & Moore, M. R.** Unusual reaction to protamine zinc insulin; case report. *Connecticut M. J.*, 1942, 6: 595-7.—**Aszódi, Z.** [Practical use and advantages of zincprotamin-insulin] *Orv. hetil.*, 1938, 82: incl. 65.—**Battistini, S.** Prime esperienze cliniche collo zinco insulinato di protamina. *Gior. Accad. med. Torino*, 1938, 101: 434-40.—**Baumel, J., Hédon, L.** [et al.] Les effets de l'insuline-protamine-zinc, comparés à ceux de l'insuline ordinaire, chez le chien dépancraté et chez l'homme diabétique. *C. rend. Soc. biol.*, 1938, 128: 726-9.—**Baumel, J., & Vedel, A.** L'insuline-protamine-zinc: considérations cliniques. *Montpellier méd.*, 1939, 3. ser., 15: 267-80.—**Beckert, W.** Erfahrungen in der Behandlung des Diabetes mellitus mit Protamin-Zink-Insulinen. *Münch. med. Wschr.*, 1939, 86: 491-4.—**Bird, C. E.** Preoperative use of protamine zinc insulinate in a case of exophthalmic goitre with diabetes mellitus. *South. Surgeon*, 1937, 6: 440-8.—**Blagovestova, N. P., & Sniatinovskaia, Z. M.** [Blood and urine sugar in treatment of diabetes with 3-protamine-zinc-insulin] *Probl. endokr.*, Moskva, 1941, 6: No. 2, 87-92.—**Blaisdell, E. R.** Protamine-zinc insulin in the treatment of diabetes mellitus.

Maine M. J., 1937, 28: 133-5.—**Blassberg, M., & Wassermann, M.** Contribution à l'étude de l'action thérapeutique de l'insuline-protamine-zinc dans le diabète. *J. méd. Lyon*, 1939, 20: 421-6. — [Treatment of diabetes with insulin, protaminated with zinc] *Polska gaz. lek.*, 1939, 18: 586-9.—**Boller, E., & Pilgerstorfer, W.** Die Hypoglykämie bei Protamin-Zink-Insulinanwendung. *Klin. Wschr.*, 1938, 17: 1065-8.—**Booth, G.** Diabetes; the use of protamine zinc insulin in children. *Pennsylvania M. J.*, 1939-40, 43: 1701.—**Borromeo, G.** Esperienze cliniche con insulina-zinco-protamina. *Policlinico*, 1938, 45: sez. med., 301-24.—**Bose, J. P.** Further observations on protamine zinc insulin in clinical diabetes. *Ind. M. Gaz.*, 1939, 74: 719-21.—**Boulin, R.** Traitement du diabète sucré par l'insuline-protamine-zinc. *Bull. Soc. méd. hôp. Paris*, 1938, 3. ser., 54: 518-24. Also *Gaz. méd. France*, 1938, 45: 625-8. Also *Médecine, Par.*, 1938, 19: 509-18. Also *Progr. méd.*, Par., 1939, pt. 1. 621-5. Also *Rev. méd. fr.*, 1939, 20: 89-102. — Sur 100 cas de diabète sucré traités par l'insuline-protamine-zinc. *Bull. Soc. méd. hôp. Paris*, 1939, 3. ser., 55: 41-3. — Le traitement du diabète sucré par l'insuline-protamine-zinc, statistique de 100 cas. *Presse méd.*, 1939, 47: 541-4.—**Burns, C.** The use of zinc protamine insulin. *N. Zealand M. J.*, 1942, 41: 143.—**Caccuri, S.** La cura del diabete mellito con l'insulina-protamina-zinco. *Riforma med.*, 1939, 55: 871-85.—**Campbell, W. R.** The uses of protamine zinc insulin. *N. York State J. M.*, 1937, 37: 1795-812.—**Carrié, P. A.** L'insuline-protamine-zinc; son mode d'emploi. *Hôpital*, 1939, 27: 449-54.—**Chase, L. A.** Some rules for dosage of protamine zinc insulin. *Canad. M. Ass. J.*, 1938, 39: 267-9.—**Collens, W. S.** Advantages and disadvantages of protamine zinc insulin. *Med. Times, N. Y.*, 1937, 65: 611-8. — & **Boas, L. C.** Technique for the successful use of protamine-zinc insulin. *N. England J. M.*, 1939, 220: 1026-30.—**Constam, G. R.** Erfahrungen mit Protamin-Zink-Insulin, einem Insulin mit verlängerter Wirkungsduer. *Schweiz. med. Wschr.*, 1938, 68: 556-9.—**Cox, R. L.** Protamine zinc insulin; with especial reference to the initiation and control of treatment in ambulatory diabetic patients. *Ohio M. J.*, 1939, 35: 734-9.—**Dänzer, R., & Wernly, M.** Protamin-Zink-Insulin in der Praxis. *Praxis, Bern*, 1939, 28: 177-80.—**Darnaud, C.** Quelques précisions nouvelles sur l'emploi des protamine-zinc-insulines. *Gaz. hôp.*, 1939, 112: 512.—**Delore, P., Rochet, & Devant, Sur l'action et les indications de l'insuline-protamine-zinc. *Lyon méd.*, 1940, 164: 88-95.—**Dogliotti, G. C., & Montuschi, E.** Ricerche sulla modalità d'azione dell'insulato di protamina e sulle sue indicazioni nella cura del diabete. *Minerva med.*, Tor., 1937, 28: pt. 1, 654-60.—**Downie, E.** Some observations on the use of protamine zinc insulin in the management of diabetes mellitus. *Med. J. Australia*, 1938, 2: 421-6.—**Duncan, G. G.** Protamine zinc insulin and its practical application in the treatment of diabetes mellitus. *Bull. Ayer Clin. Lab.*, 1927, 3: 121-37.—**Edmondson, C. C.** Clinical use of protamine zinc insulin. *Wisconsin M. J.*, 1938, 37: 101-6.—**Engel, R.** Die Einstellung der Zuckerkranken mit Protaminzinkinsulin. *Zschr. ärztl. Fortbild.*, 1938, 35: 312-4.—**Flinn, L. B.** Preliminary observations on the clinical use of zinc-protamine-insulin in out-patients. *Delaware M. J.*, 1937, 9: 41-7.—**Foss, A. R.** Diabetes mellitus and protamine zinc insulin. *J. Lancet*, 1938, 58: 465-70.—**Freed, H.** Protamine insulin in the treatment of diabetes. *Med. Bull. Veterans Admin.*, 1937-38, 14: 220-7.—**Frey, L.** Ueber Insuline mit protahierter Wirkung unter besonderer Berücksichtigung des Zink-Protamin-Insulins beim kindlichen Diabetes. *Med. Klin., Berl.*, 1937, 33: 1731-5.—**Gavria, & Graur** [Zinc protamine insulin in treatment of diabetes] *Chir. med.*, 1938, 19: 578-80.—**Gilbert-Dreyfus.** Insuline-protamine-zinc et diabète sucré. In *Année méd. prat.*, Par., 1939, 18: 237-43.—**Ginsberg, G.** Results with the prolonged use of protamine zinc insulin in the treatment of diabetes mellitus. *Med. Rec., N. Y.*, 1939, 150: 217.—**Godowski, Z.** [Treatment of diabetes with protamine-zinc insulin] *Polska gaz. lek.*, 1938, 17: 934-7.—**Goldman, D.** Effects of large doses of protamine zinc insulin in non-diabetic individuals. *Endocrinology*, 1940, 26: 612-8.—**Greenhouse, B.** Protamine zinc insulin: improvement in carbohydrate tolerance. *J. Connecticut M. Soc.*, 1936, 1: 503.—**Groen, J., & Garner, A. H.** [Insulin due to hypoglycemia during treatment with protamine insulin] *Ned. tscr. geneesk.*, 1939, 83: 1844-51.—**Harrop, G. A., jr., & Whitehill, M. R.** Diabetes mellitus treated with protamine zinc insulin. *Internat. Clin.*, 1937, 47. ser., 3: 27-32.—**Hart, J. F.** Protamine zinc insulin, clinical experiences. *N. York State J. M.*, 1937, 37: 1365-70.—**Harvier, P.** Insuline-protamine-zinc dans le traitement du diabète. In *Année méd. prat.*, Par., 1939, 18: 235-7.—**Heinsen, H. A., & Reinwein, H.** Ueber die Behandlung von Zuckerkranken mit Protamin-Zink-Insulin. *Deut. med. Wschr.*, 1938, 64: 325-8.—**Hildebrand, A. G., & Kepler, E. J.** Protamine-zinc insulin and what the nurse should know about it. *Am. J. Nurs.*, 1940, 40: 527-34.—**Hofrichter, C. H.** Experiences with protamine zinc insulin. *Northwest M.*, 1938, 37: 218-23.—**Holman, J. E.** The clinical management of diabetes mellitus using protamine zinc insulin. *Nat. Eclect. M. Ass. Q.*, 1940-41, 32: No. 2, 38-42.—**Huist, L. A., & Vogelenzang, E. H.** [Experimental and clinical investigation on the effect of protamine-zinc-insulin] *Ned. tscr. geneesk.*, 1937, 81: 3425-32.—**Hyperglycemia and glycosuria as means of controlling protamine zinc insulin administration in diabetes. *Ann. Int. M.*, 1943, 18: 112-5.—**Jordans, G. H. W.** [Protamine-zinc-insuline therapy of diabetes] *Geneesk. gids*, 1938, 16:****

- 262-70. Joslin, E. P. Difficulties in the use of protamine zinc insulin. *J. Am. M. Ass.*, 1938, 110: 90.—Kaniensky, N. O. [Use of triprotamine-zinc-insulin in the clinic] *Probl. endokr.*, Moskva, 1939, 1939, 4, No. 4, 17-31.—Keltz, B. F. Protamine zinc insulin; some reasons for occasional dissatisfaction with its use. *South. M. J.*, 1939, 32: 1058-63.—Kepler, E. J. Clinical experience with protamine zinc insulin. *J. Am. M. Ass.*, 1938, 110: 92-6.—Kestermann, E., & Schleining, T. Die Behandlung des Diabetes mellitus mit Zink-Protamin-Insulin (Novo) *Zschr. klin. Med.*, 1937-38, 133: 780-7.—Landa, A. L. [Treatment of diabetes mellitus with 3-protamine-zinc-insulin] *Probl. endokr.*, Moskva, 1941, 6, No. 2, 58-66.—Landau, A., & Waksman, B. [Treatment of diabetes with insulin protamine-zinc] *Polska gaz. lek.*, 1938, 17: 227; 258.—Landsberg, M., Penson, J. [et al.] [Investigations on application of zinc-protamin insulin] *Warsz. czas. lek.*, 1938, 15: 425-9.—Lawrence, R. D. Zinc-protamine-insulin in diabetes; treatment by one daily injection. *Brit. M. J.*, 1939, 1: 1077-80.—Aitken, R. S. Discussion on the value of zinc protamine insulin in treatment. *Proc. R. Soc. M., Lond.*, 1937-38, 13: 1217.—Lawrence, R. D., Aitken, R. [et al.] Value (The) of zinc-protamine-insulin. *Brit. M. J.*, 1938, 1: 637.—Lawrence, R. D., & Archer, N. Zinc protamine insulin; a clinical trial of the new preparation. *Ibid.*, 1937, 1: 487-91.—Lehrmund, D. Die Behandlung des Diabetes mellitus mit Zink-Protamin-Insulin in der Ambulanz. *Fortsch. Ther.*, 1939, 15: 80; 157.—Lescher, F. G. The modern treatment of diabetes mellitus and the use of zinc protamine insulin. *Brit. M. J.*, 1938, 1: 11-4.—Lewis, J. Diabetes; treatment with zinc protamine insulin. *Irish J. M. Sc.*, 1937, ser. 6, 677-88, pl.—Limbaugh, L., & Hanson, K. Protamine zinc insulin in the treatment of diabetes mellitus. *J. Florida M. Ass.*, 1938-39, 25: 21-5.—Loubatières & Broussy. Sur quelques particularités des accidents hypoglycémiques présentés par les animaux traités par l'insuline-protamine-zinc. *Presse méd.*, 1938, 46: 1410.—McCullagh, E. P. Protamine-zinc-insulin in diabetes. *Cleveland Clin. Q.*, 1937, 4: 26-37. Also *Ann. Int. M.*, 1937-38, 11: 1979-91.—Maddox, K., & Scott, M. The treatment of ambulatory diabetes with zinc protamine insulin. *Med. J. Australia*, 1938, 2: 983-96.—Mark, M. F. Optimum time for administration of protamine zinc insulin. *Arch. Int. M.*, 1939, 64: 897-906.—Martin, H. E., & Greeley, P. O. Time-activity curves of protamine zinc insulin; clinical application and significance of such curves in the treatment of patients with severe diabetes. *Ibid.*, 1941, 67: 194-206. The duration of action and the activity of different size doses of protamine zinc insulin. *Am. J. M. Sc.*, 1942, 203: 402-9.—Mendeloff, M. I. The use of protamine zinc insulin in the treatment of diabetes. *West Virginia M. J.*, 1937, 33: 251-5.—Minnich, W. R., & Paullin, J. E. Protamine zinc insulin in the treatment of diabetes mellitus. *J. M. Ass. Georgia*, 1937, 26: 489-95.—Moore, H., & Moriarty, M. A. The treatment of diabetes mellitus with a single daily dose of protamine zinc insulin. *Irish J. M. Sc.*, 1938, 6, ser., No. 151, 293-314.—Morgan, F. G. The use of protamine zinc insulin. *Med. J. Australia*, 1941, 2: 683-5. Also *N. Zealand M. J.*, 1942, 41: 22-7.—Mosenthal, H. O., & Mark, M. F. The prolonged use of protamine zinc insulin. *J. Am. M. Ass.*, 1939, 113: 17-22. Advantages of protamine zinc insulin; results in diabetes complicated by tuberculosis. *Ibid.*, 1941, 116: 2652.—Mulholland, H. B. The use of protamine zinc insulin in the treatment of diabetes mellitus. *Virginia M. Month.*, 1940, 67: 327-37.—Nadeau, H. L'insuline-protamine-zinc dans le traitement du diabète. *Union méd. Canada*, 1941, 70: 695-703.—Neuhoff, F. The use of protamine zinc insulin. *J. Missouri M. Ass.*, 1938, 35: 119-21.—Rabinovitch, S. Protamine zinc insulin, clinical observations and comparative analysis of blood sugar curves obtained with use of protamine zinc insulin and with regular insulin. *Arch. Int. M.*, 1938, 62: 447-60.—Nobécourt, P., Ducas, P., & Laroche. Résultats du traitement du diabète des enfants par l'insuline-protamine-zinc. *Bull. Soc. pédiat. Paris*, 1938, 36: 649-58.—Nykléski, M. [Treatment with zinc protamin insulin] *Polska gaz. lek.*, 1939, 18: 249-52.—Peregrino, J. jr. Tratamento do diabete pela insulina-protamina-zinc. *Fol. med.*, Rio, 1939, 20: 32-4.—Pollack, H. Dietary suggestions for the management of diabetic patients using protamine zinc insulin. *J. Mount Sinai Hosp. N. York*, 1937-38, 4: 437-40.—Dolger, H. Hypoglycemic response of patients using protamine zinc insulin to induced hyperglycemia. *Proc. Soc. Exp. Biol.*, N. Y., 1938, 38: 577-9. Protein as a source of carbohydrate for patients using protamine zinc insulin. *Ibid.*, 1938-39, 39: 242-4.—Puskás, A. [Experiences with zinc-protinsulin in treatment of diabetes] *Budapesti orv. ujs.*, 1938, 36: 859-64.—Rabinovitch, I. M. The dangers of protamine zinc insulin. *Canad. M. Ass. J.*, 1939, 41: 5-12. The significance of post-prandial glycosuria in the treatment of diabetes mellitus with protamine zinc insulin. *Ann. Int. M.*, 1939-40, 13: 385-93. Foster, J. S. [et al.] Clinical experiences with protamine-zinc-insulin and other mixtures of zinc and insulin in diabetes mellitus. *Canad. M. Ass. J.*, 1936, 35: 239-52.—Rabinovitch, I. M., Fowler, A. F., & Corcoran, A. C. Further observations on the use of protamine zinc insulin in diabetes mellitus. *Ibid.*, 1937, 36: 111-29.—Ralli, E. P., Fein, H. D., & Lovelock, F. J. Observations on the continued use of protamine zinc insulin in patients with severe diabetes mellitus. *Am. J. M. Sc.*, 1938, 196: 28-36.—Rao, P. K., Ananthaswamy, S., & Ramanna, B. K. A study of the action of protamine zinc insulin and suggestions on its use in the treatment of diabetes mellitus. *J. Ind. M. Ass.*, 1941-42, 11: 298-302.—Rathery, F., & Froment, P. La protamine-zinc-insuline dans le traitement du diabète sucré. *Paris méd.*, 1939, 113: 24-33.—Traverse, P. M. de. Les indications et la méthode d'emploi de la protamine-zinc-insuline. *Bull. Acad. méd.*, Par., 1938, 3, sér., 120: 103-8.—Richardson, R. Observations on protamine zinc insulin. *Am. J. M. Sc.*, 1937, 193: 606-11.—Rickets, H. T. Problems connected with the use of protamine-zinc-insulin. *Ann. Int. M.*, 1937-38, 11: 777-90.—Root, H. F. Protamine zinc insulin in the treatment of diabetes mellitus. *Tr. Am. Ther. Soc.*, 1938, 38: 68-70.—Rosenthal, J., & Finkelstein, H. E. Treatment of the ambulatory diabetic patient with protamine zinc insulin. *N. England J. M.*, 1937, 216: 784-90.—Rotkow, M. J. Practical aspects of diabetes mellitus with an evaluation of protamine zinc insulin. *J. Iowa M. Soc.*, 1938, 28: 187-91.—Ryner, E. H. Practical suggestions for the use of protamine-zinc insulin. *Med. Clin. N. America*, 1939, 23: 1099-107.—Schreuder, O. B. Diabetes mellitus with particular reference to the use of protamine zinc insulin. *Mil. Surgeon*, 1939, 85: 113-22.—Schüpbach, A. Zur Diabetes-therapie mit Protamin-Zink-Insulin. *Helvet. med. acta*, 1938, 5: 570-5.—Schwab, H. Traitement du diabète par une nouvelle combinaison d'insuline, la protamine-zinc-insuline. *Bull. Acad. méd.*, Par., 1937, 3, sér., 177: 714-23. Also *Presse méd.*, 1938, 46: 140-2.—Sherrill, J. W. Clinical experiences and experiments with protamin-zinc insulin; the potential danger of hypoglycemia. *California West M.*, 1938, 49: 13-20.—Sindoni, A., jr. Blood sugar versus urine sugar, as observed in patients treated with protamine zinc insulin and with ordinary insulin. *J. Am. M. Ass.*, 1939, 112: 2503; 2595.—Smith, L. B. Diabetes mellitus with analysis of cases treated with protamine zinc insulin. *Southwest M.*, 1939, 23: 289-94.—Stafne, W. A. The practical application of protamine zinc insulin in the treatment of diabetes mellitus. *Minnesota M.*, 1941, 24: 846-50.—Tallmadge, G. K. Use of zinc protamine-insulin in diabetes mellitus. *Minnesota M.*, 1937, 20: 385-7.—Taubenhaus, M. Protamin-Zink-Insulin und insulinempfindlicher Diabetes. *Wien. Arch. inn. Med.*, 1938, 32: 55-62.—Thyssel T. [On the treatment of diabetes with zinc-protamine-insulin] *Nord. med.*, 1939, 3: 2911-8.—Tolstoi, E., & Weber, F. C., jr. Protamine zinc insulin; a metabolic study; treatment in two cases of severe diabetes by equally and unequally divided diets, with comments on criteria for treatment. *Arch. Int. M.*, 1939, 64: 91-104. Protamine zinc insulin, a clinical study; report of a group of diabetic patients in whose cases glycosuria was disregarded for one year. *Ibid.*, 1940, 66: 670-8.—Tunbridge, R. E. Indications for the use of zinc protamine insulin. *Clin. J. Lond.*, 1939, 68: 145-50.—Twhigg, J. M. Experiences with zinc protamine insulin. *N. Zealand M. J.*, 1938, 37: 246-64.—Vasilieva, A. G. [Effect of 3-protamine-zinc-insuline in treatment of diabetes mellitus] *Probl. endokr.*, Moskva, 1941, 6, No. 2, 67-86.—Wagner, R. Die Anwendung des Zink-Protamin-Insulins in der Behandlung des Diabetes mellitus von Kindern und Jugendlichen. *Wien. med. Wschr.*, 1938, 88: 353-7.—Waller, K. [Treatment of diabetes with protamine-zinc insulin] *Polska gaz. lek.*, 1938, 17: 962-4. 2ch.—Whitehill, M. R., & Harrop, G. A. Experience with protamine zinc insulin. *South. M. J.*, 1937, 30: 451-8.—Winnett, E. B. The clinical management of diabetes mellitus using protamine zinc insulin. *J. Iowa M. Soc.*, 1937, 27: 150-4.
- ### Resistance.
- See also Insulin, Tolerance.
- ARDOUIN, J. *Y a-t-il des diabètes réfractaires à l'insuline? 77p. 8° Par., 1929.
- BEHRENDT, R. *Zur Frage des fermentativen Mechanismus der Insulin-resistenz [Breslau] 20p. 8° Berl., 1926. Also *Zschr. ges. exp. Med.*, 1926-27, 53: 562-77.
- LINDNER, B. *Ueber die Insulin-Resistenz bei Diabetes-mellitus. 24p. 8° Berl., 1934.
- RUBINSTEIN, I. A. *Die Bedingungen, die Theorie und die Bekämpfung der Insulin-Resistenz. 34p. 8° Berl., 1933.
- VILLIÈRE, H. *L'insulino-résistance dans le diabète. 52p. 8° Par., 1929.
- Attshuler, S. S., & Gould, S. E. Diabetes refractory to insulin, with report of a case. *Ann. Int. M.*, 1935-36, 9: 1595-603.—Arneht. Ueber insulinresistente Diabetiker. *Klin. Wschr.*, 1925, 4: 1169.—Aubertin, E. L'insulino-résistance. *Bruxelles méd.*, 1934-35, 15: Suppl., 94; 1935-36, 16: 453-76.—Avellone, U. Diabete mellito nei bambini e suo trattamento; considerazioni su di un caso di diabete resistente all'insulina. *Pediatria (Arch.) Nap.*, 1927-28, 3: 20-42.—Pardubo, N., & Querner, F. von. Das Verhalten der Serum-Carotinoide und ihre Beziehung zur Hypercholesterinämie bei insulinempfindlichen und insulinresistenten Diabetikern. *Wien. Arch. inn. Med.*, 1937, 30: 279-300.—Basch, E. Ueber einen insulinrefraktären Fall von Diabetes mellitus. *Bemerkungen zu der Arbeit von Falta. Klin. Wschr.*, 1924, 3: 1861.—Blaisdell, E. R. Temporary insulin resistance associated with

- acute prostatic obstruction. Maine M. J., 1936, 27: 58.—**Boller, R., Uiberrak, K., & Falta, W.** Ueber die humorale Natur der Insulinresistenz. Wien. Arch. inn. Med., 1934, 25: 25-48.—**Bordoni Posse, C., & Rubio, G.** Les cas de résistance à l'insuline et le facteur nerveux. Bull. Soc. méd. hôp., Paris, 1927, 2. ser., 51: 993-9.—**Cefaly, A.** Insulin-resistenza ed ipersimpatotonia: studio di un caso clinico di diabete. Rinasc. med., 1928, 5: 509-13.—**Claar, E., & Malcargi, L.** L'insulin-resistenza. Riforma med., 1937, 53: 1471-6.—**Clay, R. D., & Lawrence, R. D.** An insulin-resistant diabetic. Brit. M. J., 1935, 1: 697.—**De Jona, J. J.** Un cas d'insulin-resistance. Acta med. scand., 1937, 93: 342-9.—**Depisch, F., & Hasenöhl, R.** Experimentelle Untersuchungen über die Insulinresistenz beim Diabetes mellitus. Zschr. ges. exp. Med., 1927, 58: 110-6.—**Di Benedetto, E.** Extracto antero-hipofisario y resistencia a la insulina. Rev. Soc. argent. biol., 1932, 8: 578-81.—**Dotti, L. R.** The role of the liver in resistance to insulin action. Am. J. Physiol., 1940, 129: 346.—**Engel, R.** Insulinrefraktärer Diabetes bei schwerem Leberschaden. Klin. Wschr., 1934, 13: 1682-4.—**Escudero, P.** Diabetes refractaria a la insulina. Rev. Soc. med. int., B. Air., 1925, 1: 312-21.—**Falta, W.** Ueber einen insulinrefraktären Fall von Diabetes mellitus. Klin. Wschr., 1924, 3: 1315-7.—**Ueber Insulingewöhnung.** Wien. klin. Wschr., 1936, 49: 367.—**Protamin-Zink-Insulin und Insulinresistenz.** Wien. Arch. inn. Med., 1938, 32: 97-120.—**Boller, R.** Insulärer und insulinresistenter Diabetes. Klin. Wschr., 1931, 10: 438-43.—**Feinblatt, H. M., & Ferguson, E.** Diabetes mellitus, impotent insulin a factor in supposed insulin fast diabetes, report of cases. N. York State J. M., 1937, 37: 1577-81.—**Fenz, E.** Ueber Häufigkeit und Besonderheiten des insulinempfindlichen und insulinresistenten Diabetes. Klin. Wschr., 1936, 15: 681-3.—**Flaum, G.** Insulin-insensitivity, its possible relation to the pituitary gland. Endocrinology, 1938, 23: 630-6.—**Frank, U.** Ueber insulinresistenten Diabetes. Deut. med. Wschr., 1926, 52: 87.—**Also Klin. Wschr., 1926, 5: 688-91.**—**Gjuric, A.** [Insensibility and hypersensitivity to insulin] Cas. lek. česk., 1933, 72: 1001-4.—**Glassberg, B. Y., Somogyi, M., & Taussig, A. F.** Diabetes mellitus, report of a case refractory to insulin. Arch. Int. M., 1927, 40: 676-85.—**Greene, J. A., & Keohen, G. F.** Insulin resistance due to infection in diabetes mellitus in man. J. Am. M. Ass., 1943, 121: 173-6.—**Greene, J. A., & Thatcher, O. D.** Resistance to protamine zinc insulin without resistance to regular insulin in diabetes mellitus. Ibid., 1939, 113: 2411.—**Griffiths, W. J.** Insulin resistance and the arterio-venous blood-sugar difference. Clin. Sc., Lond., 1937-38, 3: 91-104.—**Häusler, H., & Hörter, F.** Untersuchungen bei einem Fall von insulinrefraktärem Diabetes. Klin. Wschr., 1927, 6: 541-3.—**Hart, J. F., & Vicens, C. A.** Insulin resistance: association of extreme insulin resistance with allergy; report of a case. J. Clin. Endocr., 1941, 1: 399-401.—**Hautefeuille, J.** A propos de l'insulin-resistance. Rev. fr. endocr., 1936, 14: 381-96.—**Herbst, R.** Ueber insulinresistenten Diabetes. Zschr. klin. Med., 1937-38, 133: 186-207.—**Insulin-resistenter Diabetes.** Ther. Gegenwart, 1938, 79: 535-8.—**Himsworth, H. P.** Diabetes mellitus; its differentiation into insulin-sensitive and insulin-insensitive types. Lancet, Lond., 1936, 1: 127-30.—**& Kerr, R. B.** Insulin-sensitive and insulin-insensitive type of diabetes mellitus. Clin. Sc., Lond., 1939-40, 4: 119-52.—**Hoet, J. P.** Mode d'action de l'insuline et insulin-resistance. Bruxelles méd., 1934-35, 15: Suppl. 4: 44-7.—**Insulin resistance and sensitivity.** Brit. M. J., 1940, 1: 734.—**Jorns, E.** Experimentelle Beiträge zur Frage der Insulinresistenz im akuten Infekt. Mitt. Grenzgeb. Med. Chir., 1926-27, 40: 375-85.—**Karr, W. G., Scull, C. W., & Petty, O. H.** Insulin resistance and sensitivity. J. Tab. Clin. M., 1933, 18: 1293-11.—**Keller, F.** Ueber einen Fall von insulinrefraktärem Diabetes mellitus. Wien. klin. Wschr., 1926, 39: 1396.—**Klaf, L. L., & Povolotskaia, G. M.** [Ketogenic substance of the pituitary gland and the resistance of diabetes to insulin]. Ter. arkh., 1939, 17: 137-49.—**& Prizhelskaia, R. J.** [Insulin-sensitive and insulin-resistant forms of diabetes] Radiatsia med., 1938, 3: No. 5, 61-70.—**Also Klin. med., Moskva, 1938, 16: 671-81.**—**Labbé, M.** Existe-t-il des diabètes refractaires à l'insuline? Bull. Acad. méd., Par., 1927, 3. ser., 97: 21-31.—**Les diabètes insulino-résistants.** Rev. belge sc. méd., 1931, 3: 465-93.—**& Boulton, R.** L'insulin-resistance. Gaz. méd. France, 1935, 42: 9-12.—**Lawrence, R. D.** An insulin resistant case of diabetes. Proc. R. Soc. M., Lond., 1927-28, 21: Sect. Ther. Pharm., 16.—**Studies on an insulin-resistant diabetic.** O. J. Med., Oxf., 1927-28, 26: 359-69.—**Leeper, E. P.** Insulin resistant diabetes. Dallas M. J., 1937, 23: 6-8.—**Ierman, J.** Insulin resistance. J. Clin. Invest., 1942, 21: 622.—**Levi, J. F., & Friedman, H. T.** Insulin resistance in a case of diabetes mellitus and chronic lymphatic leukemia; report of a case. N. England J. M., 1941, 225: 975-8.—**Lowell, F. C.** Evidence for an immune mechanism as a cause of resistance to insulin. J. Clin. Invest., 1942, 21: 641.—**Lozinski, E., & Frohlich, L. I.** Resistance to insulin. Canad. M. Ass. J., 1942, 46: 62-5.—**MacBryde, C. M.** Insulin resistance in diabetes mellitus. Arch. Int. M., 1933, 52: 932-44.—**Mainzer, F., & Joel, W.** Ueber Insulingewöhnung. Wien. klin. Wschr., 1935, 48: 1040; 1206; 1936, 49: 368.—**Malamud, T.** Diabetes, úlcera gástrica, insulinorresistencia, hepatitis, hereditolúes. Rev. As. méd. argent., 1924, 37: Soc. med. int., 599-612.—**Comentarios a la comunicación del Prof. P. Escudero sobre insulinoresistencia.** Rev. Soc. med. int., B. Air., 1925, 1: 409-19.—**Marble, A.** Insulin resistance, report of a case of marked insensitiveness of long duration without demonstrable cause. Arch. Int. M., 1938, 62: 432-46.—**Martin, W. P., Martin, H. E. [et al.]** Insulin resistance; critical survey of the literature with the report of a case. J. Clin. Endocr., 1941, 1: 387-98.—**Mauriac, P.** Existe-t-il des diabètes insulino-résistants? Paris méd., 1932, 86: 545-7.—**Broustet, P. [et al.]** Insulino-résistance et radiothérapie dans le diabète acromégalyque. Progr. méd., Par., 1938, 413-21.—**May, E.** Le diabète insulino-résistant. Rev. crit. path., Par., 1931, 1: 759-69.—**Mohler, H. K., & Goldburgh, H. L.** Diabetes mellitus with resistance to insulin and failure to obtain clinical improvement from its use; report of cases. Med. Clin. N. America, 1931, 15: 343-52.—**Molinari, G.** L'insulin-resistenza. Riforma med., 1936, 52: 470-4.—**Monasterio, G.** Sulla insulino-resistenza. Ibid., 1933, 49: 1685-8.—**Ricerche sperimentali sulla insulino-resistenza.** Arch. pat., Bologna, 1933-34, 13: 482-525.—**Nazirov, M. R.** [Evaluation of insulin resistance in affections of the liver] Klin. med., Moskva, 1939, 17: No. 4, 48-50.—**Pieri, J., & Sarraon, P.** Diabète grave insulino-résistant; réduction notable de l'insulin-resistance par la radiothérapie hypophysaire. Bull. Soc. méd. hôp. Paris, 1935, 3. ser., 51: 1579-83.—**Pirera, A.** L'insulin-resistenza. Rinasc. med., 1935, 12: 49.—**Ponticaccia, L., & Jonata, R.** L'insulin-resistenza. Fisiol. & med., Roma, 1932, 3: 334-64.—**Radvan, I.** [Insulin resistance in diabetes] Rev. st. med., Bucur., 1936, 25: 97-120.—**Rathery, F.** Les insulino-résistances vraies. In Libro de oro M. R. Castex, B. Air., 1939, 3: 1130-6.—**& Froment, P.** Insulino-résistance prolongée; radiothérapie hypophysaire; insulino-sensibilité e intolérance insulínique secondaire. Ann. méd., Par., 1937, 42: 169-89.—**Insulino-résistance prolongée et radiothérapie hypophysaire.** Bull. Soc. méd. hôp. Paris, 1937, 3. ser., 53: 861-5.—**Rathery, F., Rudolf, M., & Villière, H.** Insulino-résistance dans le diabète. Ibid., 1929, 3. ser., 53: 1086-95.—**Regan, J. F., Westra, J. J., & Wilder, R. M.** Insulin resistance, report of a case. N. England J. M., 1940, 223: 745-50.—**Rimbaud, P.** L'insulin-resistance. Gaz. hôp., 1935, 108: 1333-5.—**Rosenberg, M.** Ueber Insulingewöhnung. Wien. klin. Wschr., 1935, 48: 1389.—**Rosenthal, F.** Der Mechanismus der Insulinresistenz. Med. Klin., Berl., 1928, 24: 1776-80.—**& Behrendt, R.** Zur Frage des fermentativen Mechanismus der Insulinresistenz. Zschr. ges. exp. Med., 1926, 53: 562-77.—**Serio, F.** Zur Kenntnis des insulinresistenten Diabetes. Klin. Wschr., 1931, 10: 1998.—**Sul diabete insulinoresistente.** Riforma med., 1932, 48: 819-24.—**Strauss, H.** Ueber insulin-resistente Diabetiker. Klin. Wschr., 1925, 4: 491-3.—**Strouse, S., Martin, W. [et al.]** Insulin resistance. Tr. Ass. Am. Physicians, 1941, 56: 61-6.—**Sztavrovsky, P., & Waltner, K.** Ueber ein insulinunempfindliches diabetisches Kind. Mschr. Kinderh., 1927-28, 37: 214-7.—**Tauberhaus, M., & Soskin, S.** On the mechanism of insulin resistance in toxic states. J. Clin. Endocr., 1942, 2: 171-5.—**Taussig, A. E.** A case of diabetes mellitus refractory to insulin. Tr. Ass. Am. Physicians, 1927, 42: 166-78.—**Testolin, M.** Su di un caso di diabete con insulino-insensibilità specifica. Gazz. osp., 1933, 54: 1485.—**Ueber, F., & Rosenberg, M.** Ueber insulinrefraktäre Zuckerausscheidungen und Klassifikation des Diabetes auf Grund seines Verhaltens gegenüber Insulin. Klin. Wschr., 1925, 4: 583-8.—**Wayburn, E.** Complete insulin resistance in diabetes. Am. J. M. Sc., 1935, 190: 157-64.—**& Beckh, W.** Insulin resistance in diabetes mellitus. J. Clin. Endocr., 1942, 2: 511-8.—**Wesselow, O. L. V. de, & Griffiths, W. J.** Insulin resistance in diabetes mellitus and the effect of dietary carbohydrate. Q. J. Med., Oxf., 1938, 7. ser., 25: 17-28.—**Wien, R.** Fever and insulin resistance. Q. J. Pharm., Lond., 1937, 10: 621-48.—**Zeckwer, I. T.** Resistance to insulin, the response to insulin in rabbits during leukocytosis induced by sodium nucleinate. Arch. Pat., Chic., 1932, 13: 766-78.

Result.

COHAN-JASNI. [Therapeutical value of insulin] 31p. 16°. [Leningr.] 1926.

CRISTESCO, B. *Les résultats des cures insulíniques prolongées dans le traitement du diabète consomptif. 53p. 8°. Par., 1930.

DANA, R. *Action comparée de l'insuline et du régime chez les diabétiques. 46p. 8°. Par., 1925.

EISENBARTH, R. *Ueber Insulinbehandlung des Diabetes auf Grund der Erfahrungen der Medizinischen Klinik in Bonn. 27p. 8°. Bonn, 1927.

MANDEL, H. *Erfahrungen mit der Insulinbehandlung des Diabetes mellitus. 22p. 8°. Würzb., 1926.

MARKERT, O. *Wie sieht es mit dem praktischen Erfolge unserer jetzigen Insulindauertherapie aus? 20p. 8°. Würzb., 1932.

NOLD, F. *Die Bedeutung der gezielten Insulintherapie für die Behandlung des Diabetes mellitus [Giessen] 21p. 8: Düsseldorf, 1934.

Arany, G. Warum haben sich die an das Insulin geknüpften Hoffnungen nicht erfüllt? Arch. Verdauungskr., 1927, 40: 241-55.

— Where and why does the insulin treatment fail? Med. J. & Rec., 1928, 127: 490; 540. — Aszódi, Z. [Results of insulin therapy] Gyógyászat, 1936, 76: 530; 547.

Banting, F. G. The value of insulin in the treatment of diabetes. Proc. Inst. M. Chicago, 1922-23, 4: 144-57.

Campbell, W. R., & Fletcher, A. A. Further clinical experience with insulin (pancreatic extracts) in the treatment of diabetes mellitus. Brit. M. J., 1923, 1: 8-12. — Bates, K. Brighter futures for diabetics. Health, Toronto, 1941, 9: No. 3, 15.

Baudouin, A., Lewin, J., & Azérad, E. Injections lentes et continues d'insuline chez les diabétiques, besoins en insuline, dose d'entretien, action dissociée sur la glycosurie et l'acétonémie, résultats thérapeutiques. Presse méd., 1938, 46: 729-32. — Becker. Die neuzeitliche Behandlung des Diabetes mit Insulin, mit besonderer Berücksichtigung der im Marine-lazarett Kiel-Wik behandelten Fälle. Veröff. Marine San., 1927, H. 14, 3-32. — Begtrup, E. [Clinical experiences with insulin] Ugeskr. læger, 1923, 85: 787; 803; 819. — Bertaglia, G. Evieniente nel trattamento insulinico; diabete mellito guarito col coma ipoglicemico, diabete insipido post-insulinico. Gior. psichiat., 1939, 67: 177-84. — Bitzer, E. W. Clinical experiences with insulin in the treatment of diabetes mellitus. J. Florida M. Ass., 1924-25, 11: 119-23. — Bordini Posse, C. Sobre aplicación de la insulina en el Uruguay, informe expedido. An. Fac. med., Montev., 1922-23, 8: 1146-53. — Bowen, B. D., & Vile, A. An analysis of 16 months experience with insulin. Bull. Buffalo Gen. Hosp., 1924, 2: 11-7. — Boyd, G. L., & Robinson, W. L. Evidence of regeneration of pancreas in an insulin treated case of diabetes. Tr. Canad. Soc. Stud. Dis. Child., 1924, 2: 108-17. Also Am. J. Path., 1925, 1: 135-46, pl. — Brown, A. G., jr. Insulin in diabetes, a preliminary note on personal experience in the use of insulin. Virginia M. Month., 1923-24, 50: 129-31. — Caldwell, H. Résumé de traitement de 25 cases of diabetes mellitus with insulin. U. S. Veterans Bur. M. Bull., 1925, 1: No. 2, 1-6. — Carrasco Cadenas, E. Resultados no inmediatos de la insulinoterapia en la diabetes. Arch. med., Madr., 1928, 29: 61-9. Also Rev. méd. Barcelona, 1928, 9: 362-74. — Chabanier, H., Lobo-Onell, C., & Lebert, M. Etude de 57 cas de diabète sucré traités par l'extrait alcoolique de pancréas; insuline. C. rend. Congr. fr. méd., 1923, 17. sess., 304-15. — Chabrol, E., & Jonier, J. Les résurrections de l'insuline. Sem. hôp. Paris, 1925, 1: 207-13. — Clark, O. Insulinotherapy: valor, tecnica e indicaciones. Arch. brasil. med., 1926, 16: 806-9. — Correa, P. F. Insulina; su valor terapeutico. Rev. méd. veracruz., 1924, 4: 49-54. — Cunha, P. O diabete em face da insulina. Med. cir. pharm., Rio, 1940, pt. 2, 252-8. — Desorez, A., Rathery, F., & Froment, A. P. L'insuline, peut-elle guérir le diabète? Presse méd., 1927, 35: 65-8. — Eckerström, S. [Observations on the mortality in diabetes during insulin treatment] Sven. läk. f.d.n., 1934, 31: 533-9. — Elliott, A. R. Therapeutic limitation of use of insulin. Surg. J., 1923-24, 30: 261-4. — Elzas [Experiences with insulin] Ned. tscr. geneesk., 1927, 71: pt 1, 1394-410. — Enocksson, B., & Ehinger, G. What does experience to date tell, regarding the results of insulin treatment in severe cases of diabetes mellitus? Acta med. scand., 1936, Suppl. 78, 695-712. — Erb, A. [Determination of effects of insulin therapy] Polska gaz. lek., 1939, 18: 398. — Faber, K. Experiences with insulin. Acta med. scand., 1924, Suppl. No. 7, 132-8. — Forti, C. Sulle cause della scarsa azione ipoglicemizzante del sangue di animali trattati con forti dosi di insulina. Fisiol. & med., Roma, 1939, 10: 161-74. — Geyelin, H. R. The treatment of diabetes with insulin (after 10 years) contrasting the effects of normal and of the older diabetic diets. J. Am. M. Ass., 1935, 104: 1203-8. — Grant, B. E. Report of 50 cases of diabetes treated with insulin. California West. M., 1926, 24: 188-91. — Grunke, W. Ueber Wirksamkeit und Wirkungs-dauer der Insulinbehandlung beim Diabetes mellitus. Ther. Gegenwart, 1925, 66: 268-72. — Gündell, H. von. Unsere Erfahrungen mit der Insulinbehandlung des Diabetes. Med. Klin. Berl., 1925, 21: 1226-9. — Hagedorn, H. C. Erfahrungen mit Insulin in der Diabetesbehandlung. Deut. med. Wschr., 1923, 49: 1005-7. Also Ugeskr. læger, 1923, 85: 407-10. — — & Holten, C. Weitere Erfahrungen über Insulinbehandlung, besonders Dauerresultate. Deut. med. Wschr., 1926, 52: 358. — Harrison, G. A. Can insulin produce even a partial cure in human diabetes mellitus? Q. J. Med., Oxf., 1925-26, 19: 223-34. — Hijmans van den Bergh, A. A. [Preliminary report on results of treatment with insulin] Ned. tscr. geneesk., 1923, 67: pt 2, 2154-61. — Hipwell, F., & Gilchrist, J. A. The outlook in insulin treatment. Internat. Clin., 1924, 34. ser., 3: 251-6. — Høst, H. F. [Insulin treatment of diabetes mellitus: review] Norsk. mag. lægevid., 1927, 88: 561-71. — Insulin and the treatment of diabetes, some clinical results; a report to the Medical Research Council. Lancet, Lond., 1923, 1: 905-8. — Jacobsen, T. B. [Diabetes studies, experiences with insulin on the bases of early treatment] Hospitalstidende, 1924, 67: [Jydske. Med. Selsk. Forh.] 98-119. — Jarvis, D. C. Clinical experience of a correspondence study group with 3 unit doses of plain insulin for a period of 5 years. Med. World, 1939, 57: 710-2. — Jewett, D. B. A review of the use of insulin in the treatment of diabetes. J. Am. Inst. Homeop., 1923, 16: 224-31. — Jonas, L. A report of 64 cases of diabetes mellitus treated with insulin. Am. J. M. Sc., 1923, 166: 687-99. —

Joslin, E. P. Insulin. Illinois M. J., 1927, 52: 42-51. —

Klemperer, G. Praktisches über Leistungen und Grenzen der Insulintherapie des Diabetes. Ther. Gegenwart, 1926, 67: 49-53. — Labbé, M. La valeur de l'insuline dans le traitement du diabète. J. méd. fr., 1923, 12: 382-6. — Le résultat des traitements prolongés par l'insuline chez les diabétiques. Bull. Acad. méd., Par., 1926, 3. ser., 95: 336-63. — L'insuline et l'évolution du diabète. Union méd. Canada, 1927, 56: 127-36. — De quelques erreurs dans l'emploi de l'insuline chez les diabétiques. Presse méd., 1930, 38: 1217-20. — Landau, A., & Lopienski, B., & Fejgin, M. Sur le résultat de traitement du diabète grave par l'insuline. Polska gaz. lek., 1924, 3: 48. — [Results of insulin therapy in grave diabetes and observations on the therapeutic value of insulin] In Prace klin. Oddz. chor. wewn. Szpit. Wolski, Warsz., 1932, 63-7. — Laqueur, E. [Report on treatment with insulin] Ned. tscr. geneesk., 1923, 67: pt 2, 2162-4. — Lévy-Franckel, Ducourtieux & Brétillon. L'insuline chez les glycémiens: résultats obtenus dans quelques affections chroniques (dermatoses ou syphilis nerveuse) Bull. Soc. fr. derm. syph., 1926, 33: 500-3. — Leyton, O. To what extent does insulin possess a curative influence? Practitioner, Lond., 1925, 114: 117-27. — Does insulin cure diabetes mellitus? Lancet, Lond., 1933, 1: 120-2. — Lintz, W. The present status of insulin treatment of diabetes mellitus, with illustrative cases. Long Island M. J., 1925, 19: 12-6. — Lukens, F. D. W., & Dohan, F. C. Morphological and functional recovery of the pancreatic islets in diabetic cats treated with insulin. Science, 1940, 92: 222. — Maclean, H. The results of insulin therapy in diabetes mellitus. Brit. M. J., 1927, 2: 1015-9. — Madeira, D. Tratamento do diabetes mellitus no Brazil pela insulina. Brazil med., 1924, 38: 35-8. — Mahler, P., & Pasterny, K. Klinische Beobachtungen über Insulinwirkung beim Diabetes mellitus. Med. Klin., Berl., 1924, 20: 337-40. — Malcangi, L. Contributo clinico alla insulinoterapia del diabete. Med. prat., Nap., 1926, 11: 19-27. — Marini, F., & Musini, G. Cinque casi di diabete mellito eurati coll'insulina. Gior. clin. med., 1924, 5: 565-74. — Mauriac, P. Sur quelques défaillances de l'insuline dans le traitement du diabète. Liège méd., 1934, 27: 849-78. — La cure prolongée par l'insuline peut-elle faire espérer une amélioration du diabète? Internat. med. W. Schweiz (1937) 1938, 3. Congr., 391-405. — — & Seric, R. Puede la insulina curar la diabetes? Acción méd., B. Air., 1939, 9: 523. Also Paris méd., 1939, 111: 182-5. — Minkowski, O. Erfahrungen mit der Insulintherapie des Diabetes. Schweiz. med. Wschr., 1924, 54: 823. — Ueber die bisherigen Erfahrungen mit der Insulinbehandlung des Diabetes. Verh. Deut. Ges. inn. Med., 1924, 36. Kongr., 91-108. Also Ther. Gegenwart, 1924, 65: 196; 241. — Noorden, C. von. Inwiefern hat das Insulin die Behandlung bei Zuckerkranken geändert? Fortsch. Ther., 1925, 1: 2-6. — — & Isaac, S. Allgemeine Erfahrungen über 50 mit Insulin behandelte Diabetesfälle. Klin. Wschr., 1923, 2: 1968-70. — Weitere Erfahrungen über Insulinbehandlung des Diabetes. Ibid., 1924, 3: 720-3. — Norgaard, A. Experiences concerning 1,000 insulin-treated diabetics. Acta med. scand., 1932, 79: Suppl. 50, 196-202. — Oddo, J. Les résultats du traitement du diabète sucré par l'insuline, considérations tirées de 75 observations. Prat. méd. fr., 1925, 4: 145-63. — Quelques remarques sur les résultats éloignés du traitement du diabète sucré par l'insuline. Marseille méd., 1935, 72: pt 2, 313-6. — Boivin [et al.] Quatre nouveaux cas de diabète sucré traités par l'insuline. Ibid., 1924, 61: 764-70. — Oddo, J., & Chosson. Persistence des résultats obtenus par l'insuline, dans un cas de diabète grave. Ibid., 1927, 59: 601. — — & Boivin. Persistence des résultats obtenus par l'insuline chez 4 malades présentés antérieurement. Ibid., 763. — Parker, G. Personal observations of diabetes mellitus since the advent of insulin. Illinois M. J., 1925, 48: 293-7. — Permanent recovery from diabetes through insulin. Science News Lett., 1940, 38: 183. — Petré, K. A. Statistical evidence of the value of insulin. Brit. M. J., 1927, 2: 1019. — Rabinowitch, I. M. Observations on the effects of insulin in the treatment diabetes mellitus. Arch. Int. M., 1923, 32: 796-809. — Does insulin improve carbohydrate tolerance in diabetes? (a statistical study) Biometrika, Camb., 1927-28, 19: 405-16. Also Q. J. Med., Oxf., 1927-28, 21: 211-21. — Rathery, F. Qual o logar que se deve reservar à insulina entre os agentes terapeuticos do diabete. Rev. med. cir. Brazil, 1924, 32: 74-85. — Read, H. S. Diabetes mellitus, what hope insulin? J. M. Soc. N. Jersey, 1927, 24: 19-23. — Reinwein, H. Wie sieht es mit dem praktischen Erfolg unserer heutigen Insulindauertherapie aus? Verh. Deut. Ges. inn. Med., 1931, 43. Kongr., 398. — — & Markert. Wie sieht es mit dem praktischen Erfolge unserer jetzigen Insulindauertherapie aus? Deut. med. Wschr., 1931, 57: 1615-8. — Rennie, J. K. A year's experience of insulin. Lancet, Lond., 1925, 1: 811-5. — Root, H. F. The results of insulin treatment in diabetes. Diet. Admin. Ther., 1927, 5: 3-11. — Rosenberg, M. Fehlbehandlung mit Insulin. Fortsch. Ther., 1930, 6: 363-6. — Rosler, O. A. Ueber unsere Insulintherapien. Med. Klin., Berl., 1925, 21: 1000. — Rud, E. Persistence du néo-glucose dans le sang diabétique après chaque injection d'insuline: études sur les échanges en hydrates de carbone. C. rend. Soc. biol., 1926, 95: 54-6. — [Researches on the influence of treatment on appearance of neo-glucose in the blood of diabetic patients] Ugeskr. læger, 1926, 88: 738-43. — [Researches on the duration of occurrence of neo-glucose in the blood of diabetics after a single insulin injection] Ibid., 760-3. — Sansum, W. D. A case report of the clinical findings and the results obtained in

the treatment of a severe case of diabetes by the proven endocrine substance, insulin. *Endocrinology*, 1924, 8: 103-5.

— **Blatherwick, N. R.** [et al.] The treatment of diabetes with insulin, a report of the methods followed and the results obtained in the first 100 cases. *J. Metab. Res.*, 1923, 3: 641-76.—**Schiassi, F.** Risultati remoti della terapia insulinica. *Bull. sc. med. Bologna*, 1925, 10. ser., 3: 78-81.—**Sick, K.** Insulinerfahrungen in der Diabetespraxis. *Aerztl. Rdsch.*, 1926, 36: 1-4.—**Singer, G.** Gefahren und Missbräuche bei der Verwendung des Insulins. *Med. Welt*, 1931, 5: 1423-5.—**Sonne, C.** Diabetics treated with insulin. *Acta med. scand.*, Suppl., 1928, H. 26, 68-72 [Discussion] 84-90.—**Taccani, G., & Marturano, S.** Rilievi statistici sui risultati della insulino-terapia del diabete mellito. *Pensiero med.*, 1938, 27: 201-10.—**Thomson, A. P.** A review of the later results of insulin treatment. *Brit. M. J.*, 1926, 1: 613-5.—**Umber, F., & Rosenberg, M.** Weitere Erfahrungen mit Insulin an 100 klinisch behandelten Diabetikern. *Deut. med. Wschr.*, 1924, 50: 359-62.—**Villa, L.** Considerazioni su alcuni casi di diabete mellito curati con insulina. *Boll. Soc. med. chir., Pavia*, 1928, 36: 685-9.—**Wagner, A.** Einige Erfahrungen bei der Insulinbehandlung des Diabetes mellitus. *Klin. Wschr.*, 1925, 4: 1767-71.—**Wilder, R. M.** Ten years' experience with insulin. *J. Lancet*, 1932, 52: 535.—**Wohl, M. G.** Spontaneous hypoglycemia response to insulin therapy. *Internat. Clin.*, 1938, n. ser., 4: 180-90, pl.

Shock.

See also subheadings (Coma; Hypoglycemia)

— **Ambrosetto, C.** Rilievi clinici e biologici durante la crisi insulinica provocata. *Boll. Soc. med. chir., Pavia*, 1940, 54: 83-99.—**Contributo alla conoscenza della sintomatologia psichica nell'insulino-terapia.** *Policlinico*, 1940, 47: sez. prat., 2063 (Abstr.).—**Byworth, H. A.** Massive dosage with insulin. *Brit. M. J.*, 1928, 1: 801.—**Döring, G.** Zur Histopathologie und Pathogenese des tödlichen Insulinschocks. *Deut. Zschr. Nervenhe.*, 1938, 147: 217-27.—**Frola, E.** E' esatto parlare di uno shock insulinico? *Rass. internaz. clin. ter.*, 1938, 19: 433-7.—**Furst, W.** Insulin shock treatment, case of death due to pulmonary gangrene. *Arch. Neur. Psychiat., Chic.*, 1940, 44: 908-10. Also *Am. J. Psychiat.*, 1940-41, 97: 380-3.—**Golden, L. A.** Neurologic manifestations in hypoglycemic shock, Sakel. *Ann. Int. M.*, 1937-38, 11: 819-22.—**A clinical note on the occurrence of neurologic manifestations in insulin hypoglycemia (Sakel)** *South. M. J.*, 1938, 31: 434-7.—**Graham, V. T.** Psychological studies of hypoglycemia therapy. *J. Psychol., Provincet.*, 1940, 10: 327-58.—**Jacob, H.** Ueber Todesfälle während der Insulinschocktherapie nach Sakel; ein Beitrag zur Histopathologie und Pathogenese der Gehirnveränderungen bei Insulinvergiftung. *Nervenarzt*, 1939, 12: 302-8.—**Motzfeldt** [Fracture of the spinal column during insulin shock] *Nord. med.*, 1940, 8: 2259.—**Palisa, C.** Le réveil du choc insulinique. *Rapp. Congr. internat. psychol.* (1937) 1938, 11. Congr., 426-31.—**Papper, E. M., Stern, M.** [et al.] Insulin shock during sodium pentothal and cyclopropane anesthesia. *Anesthesiology*, 1942, 3: 660-2.—**Rupp, C.** Compression fractures of the dorsal vertebrae resulting from a convulsion occurring during the course of insulin shock therapy. *J. Nerv. Ment. Dis.*, 1940, 92: 762-5.—**Sherill, J. W., & MacKay, E. M.** Deleterious effects of experimental protamine insulin shock. *Arch. Int. M.*, 1939, 64: 907-12.

Shock: Mechanism.

— **Accornero, F.** L'istopatologia del sistema nervoso centrale nello shock insulinico; contributo sperimentale alla conoscenza del meccanismo di azione della insulino-shock-terapia. *Riv. pat. nerv.*, 1939, 53: 1-96.—**Allen, F. M.** Experimental insulin shock, particularly in the guinea pig. *J. Nerv. Ment. Dis.*, 1941, 94: 305-8.—**Angyal, L.** Ueber die verschiedenen Insulinschocktypen und ihre neuro-psychopathologische Bedeutung. *Arch. Psychiat., Berl.*, 1936-37, 106: 662-80.—**Bartelheimer, H., & Afendulis, T.** Histaminausschüttende und antiallergische Wirkung des Insulinschocks. *Zschr. ges. exp. Med.*, 1938, 104: 31-4.—**Braestrup, A.** [Investigation on effect of large doses of insulin, symptomatology and blood sugar] *Nord. med.*, 1939, 1: 899-902.—**Corwin, W. C.** The relationship of the insulin hypoglycemic reaction to shock. *J. Lab. Clin. M.*, 1939-40, 25: 169-74.—**Cossa, P., & Bougeant, H.** Mechanism of Sakel's treatment. *J. Ment. Sc., Lond.*, 1942, 88: 230.—**Drabkin, D. L., & Ravdin, I. S.** The mechanism of convulsions in insulin hypoglycemia; interrelationship of blood concentration, cerebrospinal pressure and convulsions. *Am. J. Physiol.*, 1937, 118: 174-83.—**Ey, H., & Colomb, D.** Contribution à la physiopathologie motrice du choc insulinique. *Ann. méd. psychol., Par.*, 1939, 97: pt 1, 883-90.—**Franke, G.** Zur Frage der epileptiformen Anfallsbereitschaft im Insulinschock. *Psychiat. Neur. Wschr.*, 1937, 39: 63-5.—**Funk, H.** Beitrag zur psychischen Wirkungsweise der Insulinschockbehandlung. *Allg. Zschr. Psychiat.*, 1941, 117: 61-150 (microfilm).—**Komisarenko, V. P.** [On the pathogenesis of insulin convulsions] *J. méd., Kiev*, 1939, 9: 809-14. Also *Vrach. delo*, 1939, 21: 575-8.—**Massazza, A.** Il meccanismo d'azione della cura insulinica, i glucidi del sistema nervoso centrale. *Riv. pat. nerv.*, 1938, 51: 408-17.—**Nicolajev, V.** The prognosis with the insulin shock therapy and the interpretation of the process of recovery, studies of barrier permeability and spinal fluid protein. *Am. J. Psychiat.*, 1937-38, 94: Suppl., 304-7.—**Saito, G.** Studium über das Wesen des Insulinschocks,

Jap. J. M. Sc., 1939-40, 3: *Proc. Soc. Med. & Hyg.*, 163.—**Soskin, S.** Physiologic action of insulin in shock therapy. *Arch. Neur. Psychiat., Chic.*, 1939, 42: 563.—**Telatin, L.** Fenomeno di soprasaturazione biologica di insulina durante l'insulino-terapia. *Riv. sper. freniat.*, 1938, 62: 163-75.—**Yahn, M.** Reflexões sobre a glicemia em face do tratamento pelo coma insulinico. *Actas Congr. paul. psicol.* (1938) 1939, 1. Congr., 313-24, pl. Also *Rev. neur. psiquiat. S. Paulo*, 1942, 8: 40.

Shock: Pathology.

— **Accornero, F.** Experimental histopathological researches on insulin shock. *Am. J. Psychiat.*, 1937-38, 94: Suppl., 130-3.—**Allan, F. N.** Cerebral damage from overdosage with insulin. *Proc. Centr. Soc. Clin. Res.*, 1941, 14: 63 (Abstr.).—**Crommelin, R. M.** Cerebral damage from insulin shock; hemiplegia, aphasia and epileptic seizures for 15 months. *J. Am. M. Ass.*, 1942, 118: 373.—**Birkmayer, W., & Palisa, C.** Bewegungsautomatosen im Insulinschock. *Arch. Psychiat., Berl.*, 1938-39, 109: 87-107.—**Hadorn, W., & Walthard, B.** Experimentelle Untersuchungen über anatomische Herzmuskelveränderungen im Insulinschock. *Zschr. ges. exp. Med.*, 1939, 105: 174-9.—**Jedlowski, P.** Intorno all'azione dello shock insulinico sulle fibre nervose dell'encefalo. *Boll. Soc. ital. biol. sper.*, 1937, 12: 402-4.—**Klimes, K.** [Psychopathology of insulin shock] *Ory. hctil.*, 1938, 82: 683-5.—**Kulkov, A. E., & Kakuzina, B. E.** [Humoral pathology of insulin shock] *Sovet. psikhonevr.*, 1938, 14: No. 4, 37-50.—**Morsier, G. de, & Bersot, H.** Cerebral disorders in provoked hyperinsulinemia. *Am. J. Psychiat.*, 1937-38, 94: Suppl., 143-52.—**Nicolajev, V.** A special glial alteration after repeated insulin shock in animals. *Ibid.*, 302-4.—**Palisa, C.** Zur Frage der hirnpathologischen Erscheinungen des Insulinschocks. *Arch. Psychiat., Berl.*, 1938, 108: 633-60.—**Tannenbergs, J.** Pathological changes in the heart, skeletal musculature and liver in rabbits treated with insulin in shock dosage. *Am. J. Path.*, 1939, 15: 25-53, 6 pl.—**Tyler, D. B.** Effects of body temperature and of pentobarbital on brain damage produced by insulin shock. *Proc. Soc. Exp. Biol., N. Y.*, 1940, 45: 117-9.—**Ziskind, E.** Relationship between insulin dosage, duration and degree of hypoglycemia and production of brain damage. *Ibid.*, 44: 622-4.—**Weil, A., Liebert, E., & Heilbrunn, G.** Histopathologic changes in the brain in experimental hyperinsulinism. *Arch. Neur. Psychiat., Chic.*, 1938, 39: 467-81.—**Wortis, J., & Goldfarb, W.** A method of studying the availability of various substrates for human brain metabolism during therapeutic insulin shock. *Science*, 1940, 91: 270.—**Yannet, H.** Experimental study of pathogenesis of cerebral changes following prolonged insulin hypoglycemia. *Arch. Neur. Psychiat., Chic.*, 1939, 42: 395-402.—**Ziskind, E., & Tyler, D. B.** Decorticate and decerebrate preparations produced by insulin shock. *Proc. Soc. Exp. Biol., N. Y.*, 1940, 43: 734.

Shock: Physiopathology.

— **HEYMANN, G.** *Beiträge zur pathologischen Physiologie des Insulinschocks. 15p. 21cm. Bresl., 1937.

— **Antognetti, L., & Novelli, E.** Comportamento della chetonomia nello shock insulinico. *Minerva med., Tor.*, 1940, 31: pt 2, 357-60 (microfilm).—**Barbato, L.** Sul comportamento del potassio e del calcio nel sangue e nel liquor durante lo shock insulinico. *Gior. psychiat.*, 1939, 67: 245-50, 2 tab.—**Barison, F.** Studi grafici sulla motilità dello stomaco durante l'insulino-shock-terapia. *Ibid.*, 1938, 66: 317-407, 15 tab.—**Bartoloni, M., & Giovagnoli, T.** Comportamento di alcuni riflessi superficiali e profondi, durante la quassassia insulinica. *Ann. Osp. psychiat. Perugia*, 1938, 32: 67-74.—**Benhamou, E., Gillet, & Nouchy.** L'action de l'adrénaline sur les plaquettes sanguines et la glycémie dans le choc insulinique. *C. rend. Soc. biol.*, 1938, 127: 137-9.—**Berman, L., & Riess, B.** The effect of insulin shock on learning in the white rat. *Science*, 1942, 95: 511.—**Bongiorno, A.** I fermenti del sangue e del liquor durante lo shock insulinico. *Gior. psychiat.*, 1939, 67: 219-29.—**Brühl, W.** Die antiallergische Wirkung des Insulinstosses, Veränderungen des Bluthides, Blutruckes, der Körpertemperatur und des refraktometrischen Serumindex als Folge des Insulinstosses. *Klin. Wschr.*, 1939, 18: 1545-8.—**Bryan, L. L., & Bower, C. G.** The effect of insulin hypoglycemic shock therapy on hepatic function. *Psychiat. Q.*, 1939, 13: 346.—**Campailla, G.** Alterazioni viscerali da shock insulinico; ricerche sperimentali. *Gior. psychiat.*, 1939, 67: 343-70.—**Caserta, R.** La reazione di Weltmann sul liquor e sul sangue nello shock insulinico. *Ibid.*, 239-41.—**Clegg, J. L.** Serum-potassium and serum-calcium in insulin shock therapy. *Lancet, Lond.*, 1939, 1: 871.—**Corwin, W. C.** The convulsions of insulin hypoglycemia in relation to water balance. *Proc. Mayo Clin.*, 1939, 14: 515-8.—**Fattovich, G.** Ricerche sul comportamento della velocità di sedimentazione nella insulino-shock-terapia. *Cervello*, 1940, 19: 1-15.—**Forbes, W. H., & Czarski, T.** A note on the level of glucose and of nonfermentable reducing substances in therapeutic insulin shock. *J. Lab. Clin. M.*, 1939-40, 25: 679-83.—**Freudenbergs, R.** The behavior of the actual blood sugar during the insulin shock. *Am. J. Psychiat.*, 1937-38, 94: Suppl., 139-42.—**Goia, J., Gavrilu, J., & Opreanu, J.** La glycosurie après le choc insulinique. *C. rend. Soc. biol.*, 1939, 130: 1039-41.—**Goldman, D.** The electrocardiogram in insulin shock. *Arch. Int. M.*, 1940,

- 66: 93-108.—**Gralnick, A.** The eyegrounds of patients with functional psychoses given insulin-shock therapy, review of the literature. *Am. J. Ophthalm.*, 1941, 24: 26-33. ——— The eye grounds in functional psychoses given insulin-shock therapy. *Psychiat. Q.*, 1941, 15: 74-85.—**Haid, H.** Behavior of vitamin C content of blood during insulin shock. *J. Am. M. Ass.*, 1942, 120: 653 (Abstr.).—**Harris, M. M., Blalock, J. R., & Horwitz, W. A.** Metabolic studies during insulin hypoglycemic shock therapy. *Arch. Neur. Psychiat.*, Chic., 1938, 39: 858-62.—**Harris, M. M., & Horwitz, W. A.** Metabolic studies of mental patients treated with insulin hypoglycemic shock treatment; potassium tolerance before and after treatment. *Psychiat. Q.*, 1939, 13: 429-37.—**Hegglin, R.** Die Systole im Insulinschock und Coma diabeticum. *Cardiologia*, Basel, 1938, 2: 170-82.—**Heiman, M.** The blood sugar during and after the hypoglycemic coma of insulin shock therapy, with special reference to the aftershock. *Am. J. Psychiat.*, 1941-42, 98: 863-73.—**Himwich, H. E., Bowman, K. M.** [et al.] Changes in cerebral blood flow and arteriovenous oxygen difference during insulin hypoglycemia. *Arch. Neur. Psychiat.*, Chic., 1941, 45: 878-81.—**Hirose, M.** Der Blutzucker beim Insulinschock. *Psychiat. neur. jap.*, 1939, 43: 27. ——— Ueber die Blutkörperchenzählung bei der Insulinschocktherapie. *Ibid.*, 27.—**Komissarenko, V. P., & Maevskaia, I. P.** [Effect of large doses of insulin on the respiration of cerebral tissue] *J. med.*, Kiev, 1940, 10: 1145-52.—**Komissarenko, V. P., & Marchuk, R. J.** [Effect of large doses of insulin on the glycolytic activity of the cerebral tissue] *Ibid.*, 1136-43.—**Kopelovich, M. A., & Teliatnikova, D. M.** [Effect of shock doses of insulin on the reaction of the vessels of the isolated ear] *Bull. eksp. biol. med.*, 1939, 8: 316-8. Also *Bull. biol. med. exp. URSS*, 1939, 8: 334-7.—**Kurosawa, R.** Insulinschock und Zirkulationssystem. *Psychiat. neur. jap.*, 1940, 44: 43.—**Loman, J.** Sugar and oxygen metabolism of the brain during and after insulin hypoglycemia. *Arch. Neur. Psychiat.*, Chic., 1941, 45: 282-8.—**Lundbaek, K., & Magnussen, G.** On the heat regulation in insulin shock therapy; thermoelectrical measuring of the skin and rectal temperatures during the action of large doses of insulin. *Acta med. scand.*, 1941, 108: 272-91 (microfilm). ——— Om varmereglulationen under insulinschockbehandling, termoelektriske målinger af hud- og rektaltemperatur under indvirkning af store insulindoser. *Nord. med.*, 1941, 11: 2417-23.—**Messinger, E.** Cardiovascular changes associated with the insulin shock treatment. *Ann. Int. M.*, 1938-39, 12: 853-60.—**Montmolin, R. de, & Streiff, E. B.** Etude comparée de la tension artérielle humérale, de la tension artérielle rétinienne et de la tension oculaire pendant le choc insulinaire. *Schweiz. med. Wschr.*, 1940, 70: 326-8.—**Moore, J. W., & Kinsman, J. M.** Studies in the hemodynamics of patients receiving insulin shock therapy. *Tr. Ass. Am. Physicians*, 1938, 53: 157-64. Also *Internat. Clin.*, 1938, n. ser., 4: 173-9.—**Pessini, J.** Blood pressure changes during insulin shock treatment. *J. Nerv. Ment. Dis.*, 1939, 90: 180-7.—**Powell, L. S., Hyde, M. E., & Russell, J.** Observations on the eyes during insulin shock treatment. *J. Kansas M. Soc.*, 1940, 41: 55-60.—**Rausch, F., & Bartelheimer, H.** Action of insulin shock on white blood picture of patient with allergy. *J. Am. M. Ass.*, 1942, 120: 653 (Abstr.).—**Robinson, G. W., & Robinson, G. W., Jr.** Studies in delayed awakening in insulin shock therapy (Sakel) blood pressure observations and their possible interpretation. *J. Nerv. Ment. Dis.*, 1940, 91: 625-30. ——— & **Feaster, D.** Studies in delayed awakening in insulin shock therapy (Sakel) hiccup as a sign of impending complications. *Ibid.*, 1939, 90: 590-3.—**Roizin, L.** Sulle alterazioni istologiche del sistema nervoso centrale in animali sottoposti alla crisi insulinica secondo il metodo di Sakel. *Riv. pat. nerv.*, 1939, 53: 491-531, 8 pl.—**Romeo, F.** Ricerche sperimentali sulla biochimica dello shock ipoglicemico, comportamento della cloruremia totale, plasmatica e globulare. *Biochim. ter. sper.*, 1939, 26: 325-37.—**Rose, J. A., Tainton-Potberg, A., & Anderson, O. D.** Effects of insulin shock on behavior and conditioned reflex action in the well trained sheep. *Proc. Soc. Exp. Biol. N. Y.*, 1938, 38: 653-5.—**Schmidt, R.** Insulinschock und Aug. *Nervenarzt*, 1938, 11: 615-9.—**Schreus, H. T., & Heinemann, H.** Der leukopenische Index nach Insulinstoss. *Klin. Wschr.*, 1941, 20: 24.—**Scimone, I.** Ricerche sugli equivalenti chimico-fisici dello shock; tensione superficiale del siero di soggetti in shock insulinoico. *Arch. sc. biol.*, Bologna, 1938, 24: 303-10. ——— Ricerche sugli equivalenti chimico-fisici dello shock; indice refrattometrico e viscosità del siero di soggetti in shock insulinoico. *Cervello*, 1939, 18: 1-10.—**Solovay, J., & Schwarz, F. W.** Cardiovascular studies in insulin shock treatment. *Med. Bull. Veterans Admin.*, 1938-39, 15: 333-8.—**Stokvis, B.** [Registration of blood pressure during insulinschock] *Ned. tscr. geneesk.*, 1937, 81: 4373-81.—**Strongin, E. L., Hinsie, L. E., & Harris, M. M.** Studies in parotid secretion of patients before, during and after insulin hypoglycemic therapy. *Psychiat. Q.*, 1938, 12: 506-13.—**Swann, H. G., & Fitzgerald, J. W.** Insulin shock in relation to the components of the adrenals and the hypophysis. *Endocrinology*, 1938, 22: 687-92.—**Telatin, L.** On some biochemical changes in insulin shock. *Am. J. Psychiat.*, 1937-38, 94: Suppl., 328-32.—**Terron, C., & Malesani, S.** Glicemia, reazione di Takata-Ara, reazione di Weltmann nell'insulino-terapia. *Riv. sper. freniat.*, 1939, 63: 409-21.—**Weschler, Z.** Ueber das weisse Blutbild im Insulinschock. *Psychiat. neur. Wschr.*, 1937, 39: 343-5.—**Zimmermann, F. F.** Klinische und serologische Untersuchungen nach grossen Insulindosen. *Mtschr. Psychiat.*, 1938, 100: 248; 313.—**Zwemer, R. L., Pines, K. L., & Lowen-**

stein, B. E. Effects of steroid glycosides and cortin on insulin convulsions and blood sugar. *Science*, 1940, 91: 600-2.

Shock, therapeutic.

See also **Dementia, schizophrenic, Treatment.**

- Gillman, S. W., & Parfitt, D. N.** The technique and complications of insulin therapy. *J. Ment. Sc.*, Lond., 1938, 84: 718-34.—**Goldstein, H. H., Edlin, J. V., & Bay, A. P.** The insulin shock treatment. *Am. J. Nurs.*, 1938, 38: 419. **Insulin cuts short circuits in brain of mental patient.** *Science News Lett.*, 1937, 31: 347.—**John, H. J.** The problem of insulin shock. *Am. J. Psychiat.*, 1937-38, 94: 175-80.—**Larkin, E.** Psychological aspects of insulin shock therapy, a psychosomatic study. *J. Ment. Sc.*, Lond., 1938, 84: 668-71.—**Magnussen, G.** [Insulin shock, its principle and physiological action] *Ugeskr. laeger*, 1939, 101: 1467-75.—**Mahoney, V. P., & Herskovitz, H. H.** Hypoglycemic shock therapy produced by insulin administered intravenously. *J. Nerv. Ment. Dis.*, 1942, 95: 265-9.—**Morrow, J. K.** Insulin shock therapy: a case showing unusual features. *Delaware M. J.*, 1938, 10: 101-4.—**Ray, M. B.** The insulin hour. In *her Doctors of the Mind*, Bost., 1942, 189-209.—**Ribeiro, R.** Os choques protéidos na insulino-terapia. *Neurobiologia, Recife*, 1941, 4: 133-61, pl., tab.—**Robinson, G. W.** Insulin shock therapy. *J. Iowa M. Soc.*, 1938, 28: 96-8. ——— Insulin shock therapy, its importance in general practice. *J. Missouri M. Ass.*, 1938, 35: 168. ——— & **Lamm, H.** Suggestions for the position for comatose insulin shock patients. *J. Am. M. Ass.*, 1937, 109: 1834.—**Scharmer, B.** Insulin shock therapy. *Am. J. Nurs.*, 1941, 41: 1154-6.—**Schreiber, J.** Insulin shock therapy. *Pacific Coast J. Nurs.*, 1942, 38: 335; 357.—**Sereisky, M. J., & Zak, N. N.** [Certain modifications of the classical method of insulin therapy] *Nevropat. psikiat.*, 1939, 8: No. 8, 15-7.—**Tratamento pelo shock insulínico.** *Impr. med.*, Rio, 1941, 17: No. 132, 326.

Shock, therapeutic: Accidents.

- Barison, F.** Paralisi del diaframma durante lo shock insulínico terapeutico. *Gior. psichiat.*, 1939, 67: 299.—**Berger, A. R., & Goldfarb, W.** Complete heart block occurring during insulin shock therapy: report of a case. *Arch. Neur. Psychiat.*, Chic., 1942, 48: 476-80.—**Cleckley, H., & Templeton, C. M.** Prolonged coma in insulin therapy of the psychoses. *Am. J. Psychiat.*, 1940-41, 97: 844-57.—**Freed, H., & Saxe, E.** Prolonged non-hypoglycemic coma occurring during the course of insulin shock therapy, a review of the literature with report of nine cases. *J. Nerv. Ment. Dis.*, 1939, 90: 216-26.—**Goldman, D.** Epileptiform seizures in insulin shock therapy; a clinical study. *Ibid.*, 765-73. ——— Prolonged coma after insulin hypoglycemia; clinical features and treatment. *Ibid.*, 1940, 92: 157-68.—**Gottesfeld, B. H.** Use of adrenal cortex extract in cases of insulin shock complicated by pulmonary edema; review of literature and report of a case. *Arch. Neur. Psychiat.*, Chic., 1943, 49: 304-6.—**Hinko, E. N., Fenton, M. M., & Balberor, H.** An anaphylactic response during insulin shock therapy of schizophrenia; a detailed case report with follow-up studies. *Am. J. Psychiat.*, 1941-42, 98: 140-2.—**Horwitz, W. A., Blalock, J. R., & Harris, M. M.** Protracted coma occurring during insulin hypoglycemic therapy. *Psychiat. Q.*, 1938, 12: 466-76.—**Insulin shock and cerebral damage.** *J. Kansas M. Soc.*, 1940, 41: 342.—**Keyes, B. L., Freed, H., & Riggs, H. E.** Hypoglycemic encephalopathy from insulin therapy. *Tr. Am. Neur. Ass.*, 1937, 63: 169.—**Klapman, J. W., & Weinberg, J.** Cerebral insult following hypoglycemic shock therapy, with recovery. *Illinois M. J.*, 1941, 79: 236.—**Lester, D.** A study of prolonged coma following insulin shock. *Am. J. Psychiat.*, 1938-39, 95: 1083-93.—**Marques de Carvalho, H.** Considerações sobre dois casos de coma irreversível, no tratamento de Sakel. *Arq. Serv. assist. psicopat.*, S. Paulo, 1939, 4: 393-418, pl.—**Milch, E. C., & Bolles, M. M.** A case of prolonged coma following insulin with eventual recovery. *J. Nerv. Ment. Dis.*, 1938, 88: 817.—**Möhlmann, M.** Cerebraler Defektzustand nach verlängerter Koma im Verlauf einer Insulinschockbehandlung. *Arch. Psychiat.*, Berl., 1940-41, 112: 76-89 (microfilm).—**Plattner, P.** Amnestisches Syndrom nach Insulin Cardiazolbehandlung. *Zschr. ges. Neur. Psychiat.*, 1938, 162: 728-40.—**Proctor, L. D., & Easton, N. L.** An unusual case of prolonged coma in hypoglycemic shock treatment. *Am. J. Psychiat.*, 1942-43, 99: 203-9.—**Schraagen, J. C.** Case of dementia following insulin shock therapy according to Sakel. *Psychiat. neur. bl.*, Amst., 1938, 42: 373-6.—**Sherrill, J. W., & MacKay, E. M.** Deleterious effects of insulin shock. *Proc. Soc. Exp. Biol.*, N. Y., 1937-38, 36: 515.—**Stern, K., Dancy, T. E., & McNaughton, F. L.** Sensory disturbances following insulin treatment of psychoses. *J. Nerv. Ment. Dis.*, 1942, 95: 183-91.—**Telatin, L.** Como comportarse frente al shock espontáneo producido en el curso de la insulino-shock-terapia. *Actas Jorn. neuro-psiquiátr. panam.* (1939) 1940, 2. reün., 2: 639-43.—**Tyler, D. B.** The mechanism of the production of brain damage during insulin shock. *Am. J. Physiol.*, 1940-41, 131: 554-60.—**Weil, A. A.** Acute cardio-vascular collapse after insulin shock treatment, report of a case. *J. Nerv. Ment. Dis.*, 1942, 96: 556-61.—**Yahn, M., & Pupo, P. P.** Estudo clínico e neuro-histopatológico dos comas post hipoglicêmicos no decurso da insulino-terapia pelo método de Sakel; considerações patogênicas. *Arq. Serv. assist. psicopat.*, S. Paulo, 1941, 6: 1-75, 16 pl.

Shock, therapeutic: Indications.

Almeida Prado, J. N. de. A insulinoterapia em medicina geral e mental; do pré-coma insulínico em terapêutica psiquiátrica; a propósito de 20 casos. *Gaz. clín.*, S. Paulo, 1942, 40: 8-14.—Desruelles. Discussion sur le choc insulínique. *Ann. méd. psychol.*, Par., 1939, 97: pt 1, 902-4.—Dienst. Leichter Insulinschock als schlaf- und schmerzstillendes Mittel. *Wien. klin. Wschr.*, 1938, 51: 269.—Finiefs, L. A. Dangers and emergencies of insulin therapy of the psychoses. *J. Ment. Sc.*, Lond., 1938, 84: 678-84. [Discussion] 685-92.—Howard, M. Q. Some uses of insulin in psychiatry. *Arch. Neur. Psychiat.*, Chic., 1935, 33: 910.—Leyberg, J. Wstrzas hypoglikemiczny w psychiatrii. *Lek. wojsk.*, 1941, 34: 110.—Quaranta, A. P. Catamnesis de enfermos sometidos a la insulinoterapia. *Rev. argent. neur. psiquiat.*, 1940, 5: 277; 1941, 6: 109-30.—Roberti, E. Insulino-terapia delle malattie mentali. *Políclinico*, 1940, 47: sez. prat., 1518 (Abstr.).—Wegierko, J. Le léger choc insulínique comme facteur hypnotique et analgésique. *Paris méd.*, 1937, 103: 365-7. Also *Wien. klin. Wschr.*, 1937, 50: 1490.

Shock, therapeutic: Result.

Baraldi, M. Risultati ottenuti dalla cura insulínica. *Riv. sper. freniat.*, 1939, 36: 802-10.—Barker, P. P. Results and observations on insulin shock therapy in Negro ex-service men. *J. Nat. M. Ass.*, N. Y., 1943, 35: 16-24.—Billig, O., & Sullivan, D. J. Therapeutic value of protracted insulin shock. *Psychiat. Q.*, 1942, 16: 549-64.—Bond, E. D. Continued follow-up results in insulin-shock therapy and in control cases. *Am. J. Psychiat.*, 1940-41, 97: 1024-8. — & Rivers, T. D. Further follow-up results in insulin-shock therapy. *Ibid.*, 1942-43, 99: 201.—Braunmühl, A. von. Shocklinie und Hypoglykämie, zugleich ein Bericht über 3 Jahre Zickzackmethode bei der Insulinschockbehandlung. *Zschr. ges. Neur. Psychiat.*, 1940, 169: 413-36 (microfilm).—Ey, H., Colomb, D., & Bernard. Observations d'insulinothérapie, 30 cas. *Ann. méd. psychol.*, Par., 1939, 97: 891-6.—Gallinek, A. Erfahrungen mit Insulin in der Psychiatrie. *Arch. Psychiat.*, Berl., 1929, 88: 19-30.—Hesse. Mitteilungen über unsere Insulinergebnisse. *Ibid.*, 1938-39, 109: 327.—Hinko, E. N., & Leiser, R. An evaluation of insulin shock therapy. *Dis. Nerv. Syst.*, 1941, 2: 186-90.—Hoelen. Nouvelles expériences obtenues lors du traitement au choc par l'insuline. *Psychiat. neur. bl.*, Amst., 1938, 42: 106-11.—Horwitz, W. A., Blalock, J. R., & Harris, M. M. Occurrence of relapses in patients treated with insulin hypoglycemic shock. *Psychiat. Q.*, 1938, 12: 716-21.—Pap, Z. [Late results of insulin shock therapy] *Gyógyászat*, 1937, 77: 209; 230.—Polatin, P., & Spotnitz, H. Evaluation of the effects of intravenous insulin technique in the treatment of mental diseases; a follow-up study of a group of patients treated with intravenous injection of unmodified insulin and zinc-insulin crystals. *Am. J. Psychiat.*, 1942-43, 99: 394-7.—Press, M. L. Remissions after the insulin treatment. *Ibid.*, 1937-38, 94: Suppl., 253-62.—Pullar-Strecker, H. Experiences with the insulin treatment in England. *Ibid.*, 1942, 99: 262.—Robinson, G. W., jr. Insulin shock therapy, results to date. *J. Oklahoma M. Ass.*, 1938, 31: 9-12.—Ross, J. R. Report of the hypoglycemic treatment in New York State hospitals. *Am. J. Psychiat.*, 1937-38, 94: 131-4.—Russell, J., & Fellows, R. M. Insulin shock therapy: observations on 6 cases. *J. Kansas M. Soc.*, 1937, 38: 413-7.—Steck, H., & Bovet, H. The results obtained by insulin therapy in Cery from 1929 to 1937. *Am. J. Psychiat.*, 1937-38, 94: Suppl., 166.

Shock, therapeutic: Technic.

Frostig, J. P. Technique of insulin-shock therapy. 8p. 8°. [S. Franc., 1939]

Accornero, F., & Bini, L. The insulin shock therapy at the neuro-psychiatric clinic in Rome. *Am. J. Psychiat.*, 1937-38, 94: Suppl., 209-13.—Accornero, F., & Giordani, A. Un nuovo mezzo di profilassi del coma protrato nella insulino-shock-terapia. *Note psichiat.*, Pesaro, 1940, 69: 115-47.—Canziani, G. Sulla determinazione della dose coma. *Gior. psichiat.*, 1939, 67: 191-208.—Guiraud, P., & Nodet, C. H. Principes et technique de l'insulinothérapie. *Ann. méd. psychol.*, Par., 1936, 94: pt 2, 670-5.—Lundbaek, K., & Magnussen, G. The carbohydrate metabolism in insulin shock therapy; on the significance of the carbohydrate content of the diet to the glucose tolerance, insulin sensitivity and minimal coma-dose in insulin shock treatment of psychotics. *Acta med. scand.*, 1940, 105: 447-69.—Olsen, C. W. Insulin shock therapy; prevention of secondary hypoglycemic shock. *Bull. Los Angeles Neur. Soc.*, 1942, 7: 99-101.—Somerfeld-Ziskind, E., Ziskind, E. [et al.] Vitamin B₁ not helpful in protracted insulin shock. *Am. J. M. Sc.*, 1942, 203: 110-4.—Telatin, L. Insulino-pireto-terapia. *Gior. psichiat.*, 1938, 66: 183-8, 2 tab.—Tognacci, T. Osservazioni sul dosaggio dell'insulina. *Gior. psichiat.*, 1939, 67: 167-9.—Waide, S. E., & Hastings, D. W. Diet in insulin shock therapy. *J. Am. Diet. Ass.*, 1938, 14: 261-3.—Wortis, J., & Korr, J. M. A simple method for prolonging therapeutic insulin coma. *Proc. Soc. Exp. Biol.*, N. Y., 1942, 49: 128-30.

Surgical aspect.

Abramson, P. D. Insulin and surgery. *Ann. Surg.*, 1932, 96: 49-69.—Andrews, E., & Reuterskiöld, K. Dangers in the postoperative use of insulin. *Surg. Gyn. Obst.*, 1928, 47:

665-8.—Bith, H. L'insuline en chirurgie. *Ann. méd.*, Par., 1927, 22: 580-8.—Clark, O. Tratamento pela insulina do soluço persistente e dos vômitos incoercíveis post-operatorios. *Fol. med.*, Rio, 1927, 8: 153.—Heep, W. Die Insulinbehandlung in der Chirurgie, insbesondere zur Frage der Verwendbarkeit des Depotinsulins. *Zbl. Chir.*, 1939, 66: 607-16.—MacLean, H. The use of insulin in surgical operations. *Proc. R. Soc. M.*, Lond., 1926-27, 20: Sect. Anaesth., 7-14.—Scholer, H. C. Insulin in surgery. *Clin. M. & S.*, 1939, 46: 113-5. Also *Physician's Bull.*, 1939, 4: 102-5.—Thomas, J. C. Insulin and surgery. *Univ. Toronto M. J.*, 1929-30, 7: 43-9.

Technic.

LEVINE, A. *The application of insulin to the diabetic patient. 14 l. 4°. Milwaukee, 1929.

MESTRIES, E. *Le traitement thermal du diabète depuis l'insuline. 74p. 8°. Par., 1936.

SOSTMANN, K. *Kann man die Insulintherapie einfacher gestalten? 16p. 8°. Giessen, 1933.

Allen, F. M. The treatment of diabetes with insulin. *J. Am. M. Ass.*, 1923, 81: 1330-5. — Insulin in the treatment of diabetes. *Southwest. M.*, 1923, 7: 313-22. — & Sherrill, J. W. The use of insulin in diabetic treatment. *J. Metab. Res.*, 1922, 2: 803-985, 4 pl.—Aubertin, E. Les diverses conceptions du traitement du diabète par l'insuline. *Gaz. hôp.*, 1927, 100: 173; 205.—Baker, G. E. Insulin, its use in the treatment of diabetes. *Tr. Luzerne Co. M. Soc.* (1922-23) 1924, 23: 173-80.—Banting, F. G. The use of insulin in the treatment of diabetes mellitus. *Tr. Coll. Physicians Philadelphia*, 1923, 3. ser., 45: 153-64.—Diabetes and insulin. *Sven. läk. säll. handl.*, 1925, 51: 189-201. Also *Canad. M. Ass. J.*, 1926, 16: 221-32.—Best, C. H. [et al.] Pancreatic extracts in the treatment of diabetes mellitus. *Ibid.*, 1922, 12: 141-6. Also *Bull. Battle Creek Sanit.*, 1922-23, 18: 155-70.—Banting, F. G., Campbell, W. R., & Fletcher, A. A. Insulin in the treatment of diabetes mellitus. *J. Metab. Res.*, 1922, 2: 547-604.—Barach, J. H. Normal standards in treatment of one hundred cases of diabetes with insulin. *J. Am. M. Ass.*, 1924, 82: 347-51.—Barbaro, N. L'insulina nella pratica. *Cult. med. mod.*, Pal., 1924, 3: 679-88.—Barborka, C. J. Use of insulin in the treatment of diabetes. *Med. Clin. N. America*, 1923, 7: 25-51.—Benoit, C., & Raux, L. Diabète et insuline. *Bull. Soc. sc. méd. biol. Montpellier*, 1923-24, 5: 148-53.—Bisibini, B. L'uso dell'insulina nella pratica medica. *Riv. osp.*, 1924, 14: 273-9.—Bith, H. Le traitement du diabète sucré par l'insuline. *Hôpital*, 1923, 11: 658-64.—Bjuggren, S. [Can regular insulin be mixed with zinc-protamin-insulin before injections?] *Nord. med.*, 1939, 4: 3099-101.—Blotner, H. The use of insulin in an out-patient department. *N. England J. M.*, 1929, 200: 491-4.—Blum, L. Le traitement du diabète sucré par l'insuline. *Bull. Acad. méd.*, Par., 1923, 3. ser., 88: 73-81. — & Schwab, H. Le traitement du diabète sucré par l'insuline. *Presse méd.*, 1923, 36: 637-41. — & Carlier. Sur les dangers de l'interruption du traitement chez les diabétiques graves soignés par l'insuline. *Bull. Soc. méd. hôp. Paris*, 1923, 3. ser., 47: 1789-97.—Boulin, R. Les agents thérapeutiques renforceurs de l'insuline. *Nutrition*, Par., 1934, 4: 181-95.—Brown, A. G., jr. Insulin in diabetes mellitus. *Virginia M. Month.*, 1923-24, 50: 524-32.—Chabanier, H. A propos du traitement du diabète par l'insuline. *Bull. Soc. méd. hôp. Paris*, 1923, 3. ser., 47: 1549. — & Copeman, W. S. C. A new system of treatment of diabetes mellitus. *Brit. M. J.*, 1926, 1: 897.—Chabanier, H., & Lobo-Onell, C. Sur le traitement du diabète par l'insuline. *Presse méd.*, 1939, 47: 1454-7. — & Lebert. Du traitement du diabète et des états acidotiques par l'extrait alcoolique de pancréas (insuline). *Rev. internat. méd.*, Par., 1923, 34: 86-93. — De la mise en pratique du traitement du diabète par l'insuline, de l'organisation de la cure d'insuline. *Presse méd.*, 1924, 32: 353-8. — Práctica del tratamiento de la diabetes con la insulina. *Rev. sudamer. endocr.*, B. Air., 1924, 7: 571-4.—Chabrol, E. Como dirigir uma cura pela insulina. *Rev. med. cir. Brazil*, 1924, 32: 65-74.—Chalier, J. L'insuline dans le traitement du diabète sucré: ses effets; ses indications; conduite de la cure. *J. méd. Lyon*, 1926, 7: 209-20.—Cheinisse, L. La technique du traitement du diabète par l'insuline. *Presse méd.*, 1923, 31: 995-7.—Chiergio & Porta. Contributo alla cura del diabete coll'insulina. *Políclinico*, 1924, 31: sez. prat., 477-81.—Chosson, J. L'insuline et son application au traitement du diabète. *Marseille méd.*, 1924, 61: 749; 849; 885.—Cohen Tervaert, D. G. [On the application of insulin] *Ned. tschr. geneesk.*, 1924, 67: pt. 2, 427-9.—Conlin, F. The use of insulin in the treatment of diabetes. *Nebraska M. J.*, 1924, 9: 89-95. Also *Glasgow M. J.*, 1924, 102: 185-95. Also *Tr. R. Med. Chir. Soc. Glasgow*, 1925, 18: 139-49.—Meakins, J. C., & Rennie, J. K. The treatment of diabetes with insulin. *Ibid.*, 1923, 17: 213-24.—D'Amato, L., & Lombardi, E. Nuove ricerche sulla cura del diabete con estratti di fegato ed insulina. In *Libro de oro M. R. Castex*, B. Air., 1938, 2: 341-5.—David, W. Die Insulinbehandlung in der Praxis. *Beihfte Med. Klin.*, 1925, 21: 107-26.—Zur Praxis der Insulinbehandlung. *Med. Klin.*, Berl., 1925, 21: 587-9. — Die Insulinkur und ihre Dauer. *Fortsch. Ther.*, 1927, 3: 752-5.—Davis, R. H. The insulin treatment of diabetes mellitus. *Kentucky M. J.*, 1923, 21: 325-32; 1925, 23: 22-6.—Davis, W. A. The use of insulin in treatment

- of diabetes mellitus with limited laboratory facilities. *J. Nat. M. Ass.*, Newark, 1926, 18: 206.—**Davison, D. T. R.** La insulina en el tratamiento de la diabetes pancreática. *Sem. méd.*, B. Air, 1923, 30: 1212-7.—**De Crespigny, C. T. C.** The treatment of diabetes by insulin. *Med. J. Australia*, 1923, 2: 193-99.—**Derivaux, R. C.** The management of diabetes mellitus and its treatment with insulin. *J. Tennessee M. Ass.*, 1923-24, 16: 203-7.—**Diamant, M.** [Insulin treatment in diabetes]. *Sven. läk. tidn.*, 1929, 26: 1449.—**Dibold, H.** Zur Diabetesbehandlung: über Insulingebrauch und über dringliche Massnahmen. *Wien. med. Wschr.*, 1936, 86: 457-61.—**Drury, F. J.** Watchful case management essential with insulin treatment of diabetes mellitus, careful regulation of diet indispensable. *Am. Physician*, 1926, 31: 201-4.—**Duggan, M.** Some observations in the practical administration of insulin. *Med. Insur.*, 1924, 40: 11-4.—**Erfan, M.** Insulin in the treatment of diabetes mellitus. *J. Egypt. M. Ass.*, 1931, 14: 454-60.—**Escudero, P.** Insulinoterapia. *Rev. As. méd. argent.*, 1925, 38: 135-66.—**Ewen, H. B.** Insulin in the treatment of diabetes. *N. Zealand M. J.*, 1926-27, 25: 189-202.—**Faber, K.** [Treatment of diabetes with insulin] *Ugeskr. læger*, 1924, 86: 265-9.—**Fischer, O.** [Treatment of diabetes mellitus with insulin] *Ibid.*, 227-34.—**Fischer, O.** Die Insulinbehandlung des Diabetes mellitus. *Med. Klin.*, Berl., 1925, 21: 466-9.—**Fischer, V.** Gesichtspunkte für die Diabetesbehandlung in der Privatpraxis. *Med. Welt*, 1928, 2: 951.—**Forrai, E.** [Insulin in the treatment of diabetes] *Gyógyászati*, 1929, 68: 4-7.—**Gigon, A.** Diabetes und Insulintherapie. *Schweiz. med. Wschr.*, 1923, 53: 882-7.—**Goldring, W.** Insulin practically applied in the treatment of diabetes mellitus. *Med. J. & Rec.*, 1925, 122: 752-4.—**Goldstein, V. M.** [Diabetes treated with insulin] *Wrach. delo*, 1925, 8: 1435-40.—**Gordon, W. P. P., & Gordon, D. C.** Interruption of insulin treatment without ill effects. *N. Zealand M. J.*, 1924-25, 23: 408-10.—**Grafe, E.** Die Insulinbehandlung des Diabetikers. *Med. Welt*, 1934, 8: 1503-8.—**Graham, G.** Modern technique in treatment; treatment of diabetes; insulin treatment. *Lancet*, Lond., 1926, 1: 954.—**Harris, C. F.** The treatment of diabetes mellitus with insulin and carbohydrate restriction. *Ibid.*, 1923, 1: 1150-3.—**Gray, H.** Is insulin really more important to the average diabetic than food-scales? *Boston M. & S. J.*, 1924, 190: 131-3.—**Grote, L. R.** Sobre el tratamiento eficaz de la insulina en la diabetes. *Ars medica*, Barcel., 1931, 7: 96-102.—**Gudzent, F.** Ueber die Behandlung der Zuckerkrankheit mit Insulin. *Berl. Klin.*, 1924, H. 335, 1-20.—**Guggenheim, M.** Die Verwendung von Pankreas-Extrakten bei Diabetes mellitus. *Schweiz. med. Wschr.*, 1923, 53: 819-23.—**Gupta, S. C. S.** Insulin therapy of diabetes mellitus. *Calcutta M. J.*, 1925-26, 20: 369-77.—**Gutschmidt, J.** Kombinierte Insulin-Gallensaure-Therapie bei Diabetes mellitus. *Med. Welt*, 1936, 10: 1661.—**Hachen, D. S.** The use of insulin in the modern treatment of diabetes. *Am. J. M. Sc.*, 1924, 167: 403-20.—**Hermanns, L.** Ueber die Behandlung der Zuckerkrankheit mit Insulin. *Münch. med. Wschr.*, 1928, 75: 2168-71.—**Hipwell, F.** Practical application of insulin in diabetes. *Canad. M. Ass. J.*, 1924, 14: 120-3.—**Hoet, Le.** Traitement du diabète par l'insuline. *Rev. méd. Louvain*, 1924, 61-85.—**Hugonot, G. A., & Duran, P. E. M.** L'insulinotherapie du diabète. *Rev. Serv. san. mil. Par.*, 1938, 109: 791-837.—**Hurtado, A.** La insulina en la diabetes. *Crón. méd.*, Lima, 1925, 42: 148-54.—**Insulina (L)** nella cura del diabete. *Terapia*, Milano, 1923, 13: No. 52, 1-21.—**Insuline (L)** dans le diabète sucré. *Bull. méd. Québec*, 1923, 24: 327-32.—**Isaac, S.** Zur Praxis und Theorie der Insulinbehandlung des Diabetes. *Zschr. klin. Med.*, 1924, 98: 263-302.—**Isaac-Krieger, K.** Zur Insulintherapie. *Zschr. ärztl. Fortbild.*, 1924, 21: 140-3.—**Izard, U. J. A.** Diabète et insuline. *Arch. méd. pharm. mil.*, 1924, 80: 224-40.—**Izquierdo, M.** Notas clínicas sobre el tratamiento por la insulina. *Progr. clín. Madr.*, 1928, 36: 702-20.—**Jeandier, J. L. R. A.** La pratique du traitement du diabète par l'insuline. *Arch. méd. pharm. mil.*, 1927, 87: 81-7.—**John, H. J.** The use of insulin in the treatment of diabetes. *Ann. Clin. M.*, 1923-24, 2: 273-82.—**Johnson, L. C.** Diabetes and insulin. In *Pract. Lect.* (M. Soc. Co. Kings) N. Y., 1923-24, 1925, 212-45.—**Jonas, L., & Musser, J. H., jr.** An outline of a routine for insulin therapy. *Am. J. M. Sc.*, 1924, 167: 586-98.—**Joslin, E. P.** The routine treatment of diabetes with insulin. *Tr. Ass. Am. Physicians*, 1923, 38: 374-81 [Discussion] 405-10. Also *J. Am. M. Ass.*, 1923, 80: 1581-3.—**Kamprad, W.** Zur Praxis der Insulin-Behandlung (ein kurzer Streifzug durch das amerikanische Schrifttum) *Prakt. Arzt*, 1936, n. F., 21: 575-80.—**Kaufmann, E.** Diabetes und Insulinbehandlung in der Praxis. *Münch. med. Wschr.*, 1925, 72: 1681-5.—**Kramer, L. I.** Insulin, its use in diabetes mellitus. *Rhode Island M. J.*, 1933, 16: 117-22.—**Labbé, M.** Traitement du diabète par l'insuline. *Bull. Soc. méd. hôp. Paris*, 1923, 3, ser., 47: 1051-8.—**L'insuline** dans le traitement du diabète. *Bull. Acad. méd.*, Par., 1924, 3, ser., 91: 183-99.—**La pratique** du traitement du diabète par l'insuline. *Evolut. méd. chir.*, 1924, 5: 5-11.—**The treatment** of diabetes with insulin. *Med. J. & Rec.*, 1927, 125: 811-5. Also *Vie méd.*, 1927, 8: 115-20.—**Nepveux, F., & Lambru.** Le traitement du diabète par l'insuline. *C. rend. Congr. fr. méd.*, 1923, 17, sess., 281-303. Also *Presse méd.*, 1923, 31: 986-91.—**Lacroze, A.** Anotaciones prácticas para el empleo de la insulina. *Rev. As. méd. argent.*, 1924, 37: Soc. med. int., 557-60.—**Lamberts, W. H.** Die Insulin-Behandlung des Diabetes in der Praxis. *Prakt. Arzt*, 1926, n. F., 11: 326-30.—**Lawrence, R. D.** The treatment of insulin cases by one daily injection. *Acta med. scand.*, 1938, 96: Suppl. 90, 32-53.—**Leyton, O.** Treatment of diabetes mellitus with insulin. *Lancet*, Lond., 1923, 2: 1125-9.—**Lloyd, W. F.** Insulin treatment; a suggestion for an optical method. *Brit. M. J.*, 1923, 2: 630.—**Löffler, W.** Die Insulinbehandlung der Zuckerkrankheit. *Schweiz. med. Wschr.*, 1923, 53: 901-9.—**Lundberg, E.** Le traitement du diabète à l'insuline. *Acta med. scand.*, 1929, 71: 29-37.—**Lyon, D. M.** Insulin therapy. *Edinburgh M. J.*, 1923, n. ser., 30: 565-87.—**McCann, W. A., Hannon, R. R., & Dodd, K.** The use of the pancreatic extract insulin in the treatment of diabetes mellitus. *Bull. Johns Hopkins Hosp.*, 1923, 34: 205-19.—**McCaskey, G. W.** The insulin treatment of diabetes. *J. Indiana M. Ass.*, 1926, 19: 149-52.—**MacLean, H.** Some observations on diabetes and insulin in general practice. *Postgrad. M. J.*, Lond., 1925-26, 1: 73-7.—**Maestrini, D., Zennaro, G., & De Bei, A.** Su la cura del diabete zuccherino con l'insulina (nota definitiva) *Rinasc. med.*, 1924, 1: 105-8.—**Magazanik, G. L.** [Practical insulinotherapy in diabetes] *Klin. med. Moskva*, 1927, 5: 197-201.—**Major, R. H.** The treatment of diabetes mellitus with insulin. *J. Am. M. Ass.*, 1923, 80: 1597-600. Also *J. Kansas M. Soc.*, 1923, 23: 117-20.—**Malton, H.** Die Insulinbehandlung des Diabetes. *Physiatrie*, Berl., 1932, 4: 268-77.—**Die ambulante Einstellung** auf Insulin. *Med. Klin.*, Berl., 1940, 36: 831; 860; 889; 924; 940; 1025; 1047; 1073 (microfilm).—**Mancusi-Ungaro, L.** Come viene usata l'insulina negli Stati Uniti. *Riforma med.*, 1923, 39: 1217.—**Marañon, G.** Notas prácticas sobre el empleo de la insulina. *Siglo med.*, 1927, 74: pt. 2, 396-400.—**Marino, S.** Il diabete zuccherino ed il suo trattamento con l'insulina. *Policlinico*, 1923, 30: sez. prat., 1193-98.—**Mark, R. E.** Der praktische Gebrauch von Insulin. *Wien. med. Wschr.*, 1924, 74: 1855-60.—**Marre, L.** Insuline et diabète. *Arch. méd. chir. province*, 1924, 14: 47-59.—**Marsh, P. L.** The use of insulin in the treatment of diabetes mellitus. *J. Michigan M. Soc.*, 1923, 22: 507-11.—**Meakins, J., Robson, W.** [et al.] The treatment of diabetes with insulin. *Tr. Med. Chir. Soc. Edinburgh*, 1922-23, 102: 127-39.—**Meirelles, E.** D'insulinotherapie na diabetes. *Tribuna med.*, Rio 1924, 30: 37-43.—**Minkowski, O.** Zur Insulinbehandlung des Diabetes. *Deut. med. Wschr.*, 1923, 49: 1107. Also *Med. Klin.*, Berl., 1926, 22: 437; 479.—**Mirande, A.** L'insuline dans le diabète. *J. méd. chir.*, Par., 1923, 94: 861-7.—**Montoro, O.** El tratamiento de la diabetes mellitus por la insulina. *Rev. med. cir. Habana*, 1924, 29: 8-43. Also *Rev. méd. cubana*, 1924, 35: 104-25.—**Morcau, U.** Le traitement du diabète par l'insuline. *Arch. méd. belges*, 1923, 76: 848-53.—**Mosenthal, H. O.** Notes on the treatment of diabetes mellitus, the use of insulin. *Med. Clin. N. America*, 1924, 8: 81-101.—**The use** of insulin in diabetes mellitus. *Month. Bull. Dep. Health City, N. York*, 1924, 9: 15.—**Mozer, J. J.** Notes pratiques sur l'emploi de l'insuline. *Rev. méd. Suisse rom.*, 1930, 50: 45-51.—**Murphy, F. D., & Blumenthal, R.** The practical application of insulin. *Wisconsin M. J.*, 1923-24, 22: 565-70.—**Nonnenbruch, W.** Diskussionvortrag. *Verh. Deut. Ges. inn. Med.*, 1937, 49: Kongr., Sekt. inn. Med., 57.—**Noorden, C., von.** Wie wird die Insulinbehandlung in der hausärztlichen Praxis eingezeit und beendet? *Wien. klin. Wschr.*, 1930, 43: 533.—**Oddo, J.** Sur le traitement du diabète par l'insuline. *Marseille méd.*, 1924, 61: 3-11.—**Olmssted, W. H.** Practical suggestions in the use of insulin. *J. Missouri M. Ass.*, 1924, 21: 300-3.—**Owens, W. D.** The insulin treatment of diabetes mellitus. *U. S. Nav. M. Bull.*, 1924, 20: 170-83.—**Parapanov, K.** [Treatment of diabetes with insulin outside of clinic] *Wrach. delo*, 1928, 11: 326.—**Payne, W. W.** Insulin treatment of diabetes mellitus. *Guy's Hosp. Rep.*, Lond., 1924, 74: 308-28.—**Pesci, E.** La pratica nell'insulina nel diabete mellito. *Pathologica*, Genova, 1924, 16: 227-34.—**Petty, O. H.** The practical use of insulin in the treatment of diabetes. *Internat. Clin.*, 1923, 33, ser., 2: 36-54, 3 ch.—**Piotrowski, G.** A propos de la technique de l'insulinotherapie dans le diabète. *Schweiz. med. Wschr.*, 1936, 66: 481.—**Pollak, L.** Ueber Insulinbehandlung. *Wien. klin. Wschr.*, 1924, 37: 55-60.—**Poulton, E. P.** The use of insulin in private and panel practice. *Brit. M. J.*, 1924, 1: 261-6.—**Praktische** (Ueber die) Durchführung der Insulinbehandlung. *Aerzt. Prax.*, Wien, 1937, 11: 211-3.—**Quiñones, M.** La insulina en el tratamiento de la diabetes. *Gac. méd. México*, 1926, 57: 181-243.—**Rathery, F.** Le traitement du diabète par l'insuline. *Paris méd.*, 1926, 59: 341-9.—**Le traitement** insulinique du diabète. *Bull. gén. théor.*, 1932, 183: 1-38.—**Ray, Durand-Fardel** [et al.] L'insuline au cours de la cure thermique alcaline chez les diabétiques. *Paris méd.*, 1927, 63: 270-6.—**Revell, D. G.** A simplified insulin technique. *Canad. M. Ass. J.*, 1933, 29: 301.—**Rolly.** Die ambulatoire Behandlung des Diabetes mellitus mit besonderer Berücksichtigung des Insulins. *Zschr. ärztl. Fortbild.*, 1927, 24: 1-5.—**Roman, R.** [Insulin in treatment of diabetes] *Hygica*, Stockh., 1923, 85: 606-10.—**Rowe, A. H.** Insulin treatment of diabetes mellitus. *California J. M.*, 1923, 21: 204-8.—**Saloz, C., & Katzenbogen, S.** L'insuline et le traitement du diabète. *Rev. méd. Suisse rom.*, 1925, 45: 231-51.—**Searlat, V.** Considerazioni pratiche sulla terapia insulinica del diabete mellito. *Gazz. internaz. med. chir.*, 1928, 33: 110-4.—**Schäfer, H. O.** Beitrag zur Praxis der Insulintherapie. *Med. Welt*, 1929, 3: 1894.—**Schnitzer, von.** Ueber Insulinbehandlung des Diabetes mellitus. *Med. Klin.*, Berl., 1923, 19: 1059-61.—**Sebastiani, A.** Il trattamento del diabete con l'insulina. *Policlinico*, 1924, 31: sez. prat., 1391-403.—**Simpson, V. E., & Speidel, F.** Insulin in diabetes. *Kentucky M. J.*, 1924, 22:

114-32.—Steinitz, E. Ueber Insulinbehandlung. Ther. Gegenwart, 1923, 64: 410-4.—Stütwell, G. R. Neutralization of insulin before injection. Brit. M. J., 1924, 2: 465.—Strauss, H., & Simon, M. Ueber Insulinbehandlung bei Diabetes. Arch. Verdauungskr., 1923-24, 32: 89-124.—Straub, H. Diskussionvortrag. Verh. Deut. Ges. inn. Med., 1937, 49. Kongr., Sekt. inn. Med., 81.—Sybrandy, B. [Treatment of diabetes with insulin] Ned. tschr. geneesk., 1924, 68: pt 1, 2728-41.—Thomson, A. P. The clinical use of insulin. Brit. M. J., 1924, 1: 457-60.—Torday, A. [Newer methods of insulin therapy in diabetes] Budapesti orv. ujs., 1939, 37: 265-73. Also Orv. hetil., 1939, 83: mell., 138.—Traitement (Le) du diabète par l'insuline. Monde méd., 1924, 34: 126-34.—Tron, G. L'unità nuova della insulina Lilly (Iletin) ed il trattamento delle varie forme di diabete. Terapia, Milano, 1924, 14: 37-46.—Ueber, Insulinbehandlung des Diabetes. Med. Klin., Berl., 1926, 22: 599-605.—Varela Fuentes, B. Progresos recientes sobre fisiopatología del páncreas, el tratamiento de la diabetes por la insulina. An. Fac. med., 1922-23, 8: 559-73. — El tratamiento de la diabetes por la insulina. Ibid., 1923-24, 9: 1-39.—Wagner, A. Die Insulintherapie des Diabetes mellitus. Deut. med. Wschr., 1925, 51: 1489; 1532; 1576.—Weiss, G. [Insulin in the treatment of diabetes mellitus] Budapesti orv. ujs., 1926, 24: 215-23.—Williamson, O. K. The insulin treatment of diabetes mellitus. Med. J. S. Africa, 1923-24, 19: 208-12.—Willis, J. D. Insulin treatment of diabetes. Virginia M. Month., 1923-24, 50: 461-4.—Wilson, C. M. The use of insulin in the treatment of diabetes. S. Mary Hosp. Gaz., Lond., 1923, 29: 137-45.

Untoward effect.

See also **Insulin, Toxicity; Insulin therapy subheadings (Allergy; Coma; Hypoglycemia; Shock)**

ANTONINI, F. *Les réactions cutanées de l'insuline. 84p. 8°. Par., 1925.

KURAYTIN, S. *Un accident rare consécutif aux injections d'insuline chez les diabétiques: l'hématurie. 24p. 8°. Genève, 1932.

Accidenti (Gli) emiplegici durante la insulinoterapia. Gazz. osp., 1937, 58: 241-3.—Ambrosetto, C. Contributo alla conoscenza della sintomatologia psichica nell'insulinoterapia. Minerva med., Tor., 1940, 31: pt 2, 490 (microfilm).—Bickel, G. Diabète, angine de poitrine et traitement insulinique. Schweiz. med. Wschr., 1939, 69: 520.—Bonem, P. Nebenwirkungen von Insulin. Münch. med. Wschr., 1929, 76: 1585.—Boulin, R. Remarques sur les accidents provoqués par l'insulinothérapie. Rev. méd. fr., 1939, 20: 103-7.—Breton, A. Antigène méthylque et insuline. C. rend. Soc. biol., 1929, 100: 880.—Caravati, C. M. Insulin neuritis: a case report. Virginia M. Month., 1933, 59: 745.—Cintra do Prado, F., & Figliolini, F. Ueber lokale Muskelatrophie nach Insulininjektionen. Klin. Wschr., 1940, 19: 533 (microfilm).—Ehrmann, R., & Jacoby, A. Hämorrhagien, besonders in Lungen und Gehirn, nach Insulinbehandlung. Deut. med. Wschr., 1924, 50: 138. — Ueber Blutungen bei mit Insulin behandelten Komafällen. Klin. Wschr., 1925, 4: 2151-3.—Elgart, S., Nelson, N., & Mirsky, I. A. The production of permanent hyperglycemia and glycosuria by the prolonged administration of insulin. Fed. Proc., Balt., 1942, 1: pt 2, 23 (Abstr.).—Elkin, C. W. W. Some questionable and undesired effects of insulin. Pittsburgh M. Bull., 1934, 23: 289-98.—Feigenbaum, J. Some unusual manifestations of the insulin reaction. Canad. M. Ass. J., 1932, 26: 410-3.—Foerster, E. Ein Fall von paradoxer Insulinwirkung. Med. Klin., Berl., 1926, 22: 846-8.—Frei, W. Grouped pigmented spots following injection of insulin. Arch. Derm. Syph., Chic., 1938, 37: 535.—Fromholdt, E. E. [Certain difficulties that arise during insulin treatment] Sovet. klin., 1933, 19: 787-94.—Gorlitzer, V. Seltene Insulineffekte. Wien. Arch. inn. Med., 1932, 22: 141-54.—Gravano, L. Psicosis insulinicas. Actas Congr. nac. med., B. Air. (1931) 1932, 4. Congr., pt 2, 445-50.—Güdemann, J. Ueber eine seltene Komplikation bei Insulinbehandlung. Wien. klin. Wschr., 1926, 39: 963.—Hallermann, A. Nebenerscheinungen bei der Insulinanwendung. Deut. med. Wschr., 1930, 56: 1611.—Henderson, J. Haematuria following insulin injections. Brit. M. J., 1927, 1: 231.—Herman, K. Insulin and Fieber. Med. Welt, 1930, 4: 1581. — Insulintumor und Hypoglykämie. Münch. med. Wschr., 1935, 82: 1361-5.—Hirsch-Kaufmann, H. Ueber Insulinschäden. Ther. Gegenwart, 1930, 71: 259-62.—Högler, F. Ueber das Auftreten von temporärem Hyperthyreoidismus während der Insulinkur. Klin. Wschr., 1929, 8: 205.—Hulst, L. A. [Sudden infiltrations after insulin administration] Ned. tschr. geneesk., 1931, 75: pt 4, 5278-82.—Jamieson, H. C. Insulin as a cause of hippos. Canad. M. Ass. J., 1937, 37: 52.—Joltrain, E. Troubles psychiques au cours de l'insulinothérapie. Bruxelles méd., 1930-31, 11: 868-77.—Joosten, A. J. [Hematuria due to insulin treatment] Ned. tschr. geneesk., 1933, 77: 3779-81.—Kaufmann, E. Nebenerscheinungen bei der Insulinanwendung. Deut. med. Wschr., 1930, 56: 1955.—Klein, F. [Lasting injuries of the brain caused by protaminated zinc- and ordinary insulin in a diabetic patient] Ned. tschr. geneesk., 1939, 83: 5227-32.—Klein, O. Die durch Insulinbehandlung und Insulinüber-

dosierung erzeugten und beobachteten unerwünschten Begleiterscheinungen und Störungen. In Baln. & Balneotherapie. Karlsbad (1935) 1936, 15: 231-66.—Komant, W. Ueber Nebenwirkungen des Insulins und ihre Behandlung. Sitzber. Frankf. med. Ges., 1937, 21. Also Med. Welt, 1937, 11: 1744-8.—Labbé, M., & Boulin, R. Les accidents hémiplegiques au cours de l'insulinothérapie. Presse méd., 1937, 45: 225.—Landabure, P. B. Eczéma toidermide generalizado en una diabetes oculta curada con regimen dietético e insulina. Tr. Clin. Escudero, B. Air., 1930, 4: 689-93.—Lasersohn, M. Local insulin reactions. J. Am. M. Ass., 1930, 95: 199.—Lawrence, R. D. Local insulin reactions. Lancet, Lond., 1925, 1: 1125. — & Hollins, A. S. Two cases of haematuria caused by insulin treatment. Brit. M. J., 1928, 1: 977.—Lemort, A., & Rahier, C. Une forme anormale d'accidents nerveux au cours d'un traitement insulinique. Bruxelles méd., 1929-30, 10: 746.—Lereboullet, P., Lelong, M., & Frossard, R. Un cas de diabète infantile traité par l'insuline, avec accidents cutanés graves: l'érythrodermie oedémateuse insulinienne. Bull. Soc. méd. hôp. Paris, 1924, 3. ser., 48: 1184-90.—Low, F. N., & Ferrill, H. W. Chronic insulin injection in 5 successive generations of white rats, report of gross and histological findings. Endocrinology, 1941, 29: 1027.—Lups, S. Eine paradoxe Erscheinung bei der Insulinkur. Klin. Wschr., 1939, 18: 813-6.—Mauriac, P. Les accidents consécutifs aux injections d'insuline. Rapp. Congr. fr. méd. (1925) 1926, 18. sess., 2: 147-58.—Mirek, R. [Central disorders of respiration and circulation during insulin therapy and treatment by excitants] Polska gaz. lek., 1939, 18: 310-4.—Mirsky, I. A., Nelson, N. [et al.] The production of permanent hyperglycemia and glycosuria by the prolonged administration of insulin. Science, 1942, 95: 583.—Murphy, F. D., & Purtell, J. Insulin reaction and the cerebral damage that may occur in diabetes. Am. J. Digest. Dis., 1943, 10: 103-7.—Overdose of insulin. Lancet, Lond., 1942, 1: 238.—Parsonnet, A. E., & Hyman, A. S. Insulin angina: the development of the stenocardial syndrome following the administration of insulin in diabetes with coronary thrombosis. Ann. Int. M., 1930-31, 4: 1247-56.—Pawlowski, E. Ueber Insulinnebenwirkungen und Insulinschäden. Physiatrie, Berl., 1932, 4: 277-83.—Payne, W. W. An unusual type of insulin reaction in a diabetic patient. Proc. R. Soc. M., Lond., 1927-28, 21: Sect. Ther. & Pharm., 17.—Poulton, E. P., & Payne, W. W. An unusual type of insulin reaction in a diabetic patient. Guy's Hosp. Rep., Lond., 1928, 78: 294-8.—Roch, M., & Martin, E. Hémorragie rénale bilatérale sans néphrite au cours du traitement par l'insuline chez un diabétique jeune. Bull. Soc. méd. hôp. Paris, 1932, 3. ser., 48: 1376-80; 1425.—Root, H. F., & Styron, C. W. Insulin hypoglycemia and vascular accidents in diabetes mellitus. J. Mount Sinai Hosp. N. York, 1941-42, 8: 953-64.—Rowe, A. H. The insulin control of diabetes mellitus and its complications. Endocrinology, 1923, 7: 670-88.—Schemsky, W. Gefahren beziehungsweise unangenehme Nebenerscheinungen der Insulintherapie. Münch. med. Wschr., 1926, 73: 948-50.—Schüller, A. Ueber örtliche Insulinschäden im Kindesalter. Mschr. Kinderh., 1935, 63: 303-9.—Schönbrunner, E. Ueber einen Fall von Schädigung des Herzmuskels durch Insulin. Med. Klin., Berl., 1935, 31: 1571. Also Wien. med. Wschr., 1936, 86: 492-4.—Sevringhaus, E. L. Nervous and mental phenomena accompanying insulin therapy. Arch. Neur. Psychiat., Chic., 1929, 22: 746-51.—Sigwald, J. Les incidents du traitement par l'insuline. Gaz. méd. France, 1930, 400-3.—Somogyi, M. Insulin as a cause of extreme hyperglycemia and instability. Week. Bull. S. Louis M. Soc., 1937-38, 32: 498-500.—Stern, D. M. Insulin administration and haematuria. Practitioner, Lond., 1929, 123: 279-85.—Stief, S. [Insulin damages] Orv. hetil., 1935, 79: mell., 102.—Sydenstricker, V. P., Geeslin, L. E., & Weaver, J. W. Avitaminosis occurring in diabetic patients under insulin therapy. J. Am. M. Ass., 1939, 113: 2137.—Udintsev, F. A. [On the so-called insulin jaundice] Sovet. vrach. J., 1936, 1: 17-22.—Vándorfy, J. [Insulin injuries] Orv. hetil., 1938, 82: [mell.] 189.—Van Wart, A. F. Illness other than diabetic complications in insulin patients. Canad. M. Ass. J., 1938, 39: 253-7.—Wiechmann, E. Gefahren und Schädigungen bei Insulinanwendung. Fortsch. Ther., 1934, 10: 468-76.—Yahn, M., & Mariz. Algunas occurrences interesantes no curso da insulinoterapia. An. paul. med. cir., 1941, 42: 510.

Untoward effect: Lipodystrophy.

See also **Lipodystrophy.**

Andres, L. I., & Vilkomirsky, A. I. [On the so-called insulin lipodystrophy] Vrach. delo, 1939, 21: 45-54.—Awrounin, H. A case of fatty atrophy following insulin injections. Proc. R. Soc. M., Lond., 1928-29, 22: Sect. Clin., 18.—Bang, O. [Local lipodystrophy following insulin injections] Norsk. mag. lægevid., 1938, 99: 541.—Barborka, C. J. Fatty atrophy from injections of insulin, report of 2 cases. J. Am. M. Ass., 1926, 87: 1646.—Beckert, W. Lipodystrophien und Lipohyperplasien nach Insulininjektionen. Münch. med. Wschr., 1941, 88: 336-8 (microfilm).—Bertram, F., & Neve, H. E. Ueber Insulin-Lipodystrophien. Med. Welt, 1939, 13: 150.—Blotner, H. Fatty atrophy following insulin injection in nondiabetic malnutrition. Endocrinology, 1938, 23: 233-6.—Boller, R. Behandlung der Insulin-Lipodystrophie. Klin. Wschr., 1930, 9: 2433-5.—Cornil, L. Les lipodystrophies circonscrites d'origine insulinique. Presse méd., 1938, 46: 1282.—Davison, R. A. Absorption of subcutaneous fat de-

posits at site of repeated insulin injections; report of case. California West. M., 1927, 26: 210-2. — **Depisch, F.** Ueber lokale Lipodystrophie bei lange Zeit mit Insulin behandelten Fällen von Diabete. Klin. Wschr., 1926, 5: 1965. — Weiterer Beitrag zur Frage der lokalen Lipodystrophie bei Dauerinsulinbehandlung. Wien. med. Wschr., 1930, 80: 168. — **Engelbach, F.** Localized atrophy of subcutaneous fat following repeated injections of insulin; report of a case. Ann. Int. M., 1933, 6: 1322-6. — **Heale, T. A. F.** Insulin fat atrophy. Melbourne Hosp. Clin. Rep., 1930, 1: 75. — **Marble, A., & Smith, R. M.** Atrophy of subcutaneous fat following injections of insulin. Proc. Am. Diabetes Ass., 1942, 2: 171-86. — **Montzer, S. H., & duBray, E. S.** Fatty atrophy from injections of insulin. California West. M., 1927, 26: 212. — **Nichols, J. B.** Atrophy of subcutaneous fat associated with insulin injections. Am. J. M. Sc., 1930, 180: 90-5. — **Price, L. R. W.** Local absorption of fat due to injections of insulin. Lancet, Lond., 1930, 1: 1015. — **Rabinowitch, L. M.** A case of extensive atrophy of the subcutaneous fat following injections of insulin. Canad. M. Ass. J., 1929, 21: 67. — **Rathery, F., & Sigwald, J.** Lipodystrophie localisée insulinaire. Bull. Soc. méd. hôp. Paris, 1930, 3. ser., 46: 951-7. — **Rowe, A. H., & Garrison, O. H.** Lipodystrophy: atrophy and tumefaction of subcutaneous tissue due to insulin injections. J. Am. M. Ass., 1932, 99: 16-8. — **Schoohoven, v. Beurden, A. J. R. E. v.** [Local lipodystrophy as sequel of repeated injections of insulin of long duration]. Geneesk. gids, 1938, 16: 583-7. — **Shelly, J. A.** Insulin atrophy. Pennsylvania M. J., 1936-37, 40: 347. — **Silver, H., & Berkovsky, M.** Atrophy of subcutaneous fat due to protamine zinc insulin. Arch. Derm. Syph., Chic., 1940, 42: 986. — **Stransky, E.** Lipodystrophie um die und fernab von den Injektionen. Stellen nach Insulinbehandlung bei Diabetes mellitus. Wien. med. Wschr., 1930, 80: 133. — **Studdert, T. C.** Localized lipodystrophy in diabetes. Newcastle M. J., 1941-42, 21: 122-5, pl. — **Wirtschafter, Z. T., & Schwartz, E. D.** Note on localized lipid atrophy in diabetes. Am. J. M. Sc., 1941, 202: 880-2.

— Untoward effect: Lipomatosis.

See also Lipomatosis.

Adlersberg, D. Lokale Fettgewebshyperplasie der Haut nach Insulininjektionen. Mitt. Ges. inn. Med. Wien, 1935, 34: 56-60. Also Med. Klin., Berl., 1935, 31: 779. — **Bader, G. B.** Lipomatosis in areas into which insulin had been injected in a diabetic boy aged 13½ years. Am. J. Dis. Child., 1937, 53: 255. — **& Vero, F.** Lipomatosis in insulin-injected areas in a diabetic boy, aged 13½ years. J. Pediat., St. Louis, 1937, 10: 184-90. — **Gellerstedt, N.** Zirkumskripte Hyperplasie des subkutanen Fettgewebes als lokale Folge von Insulin-Injektionen. Endokrinologie, 1932, 10: 412-33. — **Hadorn, W.** Ueber Insulinlipome. Schweiz. med. Wschr., 1937, 67: 516. — **Iperplasia** (Sulla) locale del tessuto grasso dopo iniezioni di insulina. Gazz. osp., 1935, 56: 767. — **Priesel, R.** Lipomatosen an sämtlichen Insulininjektionsstellen. Wien. med. Wschr., 1935, 85: 386. — **Weber, F. P., & Schlüter, A.** Local fat hyperplasia from repeated insulin injections. Proc. R. Soc. M., Lond., 1935-36, 29: 45. — **Wolke, B.** [Local lipomatosis from insulin]. Orv. hetil., 1938, 82: 904.

— weight producing.

See also Insulin, Metabolic effect: Body weight; also Emaciation, Treatment.

BINÉS, D. *La cure d'engraisement par l'insuline. 119p. 8° Par., 1928.

MIRABLON, M. *L'insuline dans la maigreur. 50p. 8° Par., 1928.

Ager, L. C. Insulin as a weight producer in tuberculosis. U. S. Veterans Bur. M. Bull., 1931, 7: 684. — **Andersen, M. S.** [Insulin as an adjuvant in forced alimentation] Ugeskr. læger, 1928, 90: 1013-7. — **Appel, K. E., Farr, C. B., & Marshall, H. K.** Insulin in undernutrition in the psychoses. Arch. Neur. Psychiat., Chic., 1929, 21: 149-64. — **Bauer, R.** Ueber Insulinmuskur. Klin. Wschr., 1928, 7: 1743-8. — **Blotner, H.** Observations on the effect of insulin in thin persons. J. Am. M. Ass., 1933, 100: 88-92. — **Bodmer, H.** Zum Thema Mastkuren mit Insulin. Schweiz. med. Wschr., 1926, 56: 423. — **Boeri, E., Scoz, G., & Baer, P.** Insulina e ingrassamento, variazioni del peso corporeo, del contenuto in glicogeno e del N di iodio del tessuto adiposo. Boll. Soc. ital. biol. sper., 1935, 10: 680-2. — **Boichenko, V. G., & Obydenov, V. A.** [Hyperinsulinization of pigs fattened on garbage]. In Probl. zootechn. exp. endocr. (Zavodovsky, B. M.) Moskva, 1935, 2: 283-310. — **Boom, B. K.** [Forced alimentation (mastkur) with insulin emaciation]. Ned. tscr. geneesk., 1928, 72: pt 2, 4616-20. — **Cannavo, L.** Terapia insulina di ipernutrizione. Riforma med., 1927, 43: 987-9. — **Careddu, G., & Giua, L.** L'insulina nel trattamento dei bambini ipofici. Riv. clin. pediat., 1930, 28: 487-512. — **Coro, A. J.** Acción de la insulina en el tratamiento de ciertos estados de desnutrición. Rev. med. cir. Habana, 1926, 31: 373-7. — **Enders, A.** Der Einfluss des Insulins auf die Mast nach Hunger. Arch. exp. Path., Berl., 1942, 199: 606-17 (microfilm). — **Fonseca, F.** Magreza e emagrecimento: seu tratamento pela insulina em adultos. Sciencia med. Ri., 1926, 4: 292-302. — **Frank, E.** Mastkuren mit Insulin. Deut. med. Wschr., 1927, 53: 219-22. — **Freud, P.** Des communications très importantes sur les cures d'engraisement au moyen de l'insuline prise par la voie buccale. Stras-

bourg méd., 1930, 90: 591-4. — Ueber Mastkuren mit innerlich verabreichten Insulin. Wien. med. Wschr., 1929, 79: 1171-5. — **Gjurić, A.** [Dietetic mobilization of insulin] Cas. lek. česk., 1929, 68: 725-9. — **Greco, J. B., Oliveira Lima, A., & Romeu Cançado, J.** Novo plano de tratamento de engorda pela insulina. Brasil med., 1941, 55: 68-72. — **Green, H., & Robbins, G.** Insulin in infant feeding. Boston M. & S. J., 1926, 194: 1162-7. — **Ichok, G.** L'insuline dans la cure de uralementation chez les non diabétiques. Presse méd., 1926, 34: 663. — **Jacobsen, H.** [Insulin mastkur] Ugeskr. læger, 1930, 92: 875. — **Küppers, K., & Strehl.** Insulin bei Nahrungsverweigerung. Psychiat. neur. Wschr., 1933, 35: 337; 349. — **Labbé & Théodoresco, B.** Insuline et engraissement. Médecine, Par., 1925-26, 7: 740-5. — **Lang, F.** Insulin-Mastkur in Heilstätten. Wien. klin. Wschr., 1927, 40: 355. — **Léval, M.** Mastversuche mit Arslin, einer Arsen-Insulin-Kombination. Med. Klin., Berl., 1927, 23: 1109-11. [Insulin in forced alimentation] Gyógyászat, 1930, 70: 822-6. Ueber Wesen, Indikationen, Kontraindikationen und Gefahren der Insulinmast. Mschr. ungar. Med., 1930, 4: 288-300. — **Lublin.** Experimentelle Beiträge zur Frage der Insulinmast. Klin. Wschr., 1926, 5: 1635. — **May, E., & Layani, F.** La cachexie de croissance, syndrome pluriglandulaire avec participation pancréatique, action favorable de l'insuline. Bull. Soc. méd. hôp. Paris, 1929, 3. ser., 53: 302-6. — **Miraglia, M.** La terapia insulina nei lattanti distrofici. Pediatría (Riv.) 1929, 37: 791-804. — **Moewes, C.** Ueber Insulinmast. Klin. Wschr., 1927, 6: 1804. — **Moutier, F.** La cure d'engraisement par l'insuline. Ann. méd., Par., 1927, 22: 616-27. — **Nahum, L. H., & Himwich, H. E.** Insulin and appetite, a method for increasing weight in thin patients. Am. J. M. Sc., 1932, 183: 608-13. — **Schellong & Hufschmid.** Ueber die Wirkungsweise der Insulininjektionen bei Mastkuren und über eine dabei zu beobachtende scheinbare Gewöhnung an Insulin. Klin. Wschr., 1927, 6: 1888-92. — **Scimone, V.** L'insulina nella terapia ingrassante. Riv. clin. med., 1927, 28: 476-85. Also Rass. clin. ter., 1928, 27: 108-14. — **Short, J. J.** Increasing weight with insulin, preliminary report. J. Lab. Clin. M., 1928-29, 14: 330-5. — **Simon, H.** Insulinmastkuren. Deut. med. Wschr., 1927, 53: 1694. — **Skorpiłova, E.** [Increasing children's weight with insulin] Cas. lek. česk., 1931, 70: 1766-8. — **Targowla, R., & Lamache, A.** Le traitement par l'insuline des états d'anorexie, de sitophobie et de dénutrition dans les troubles psychonévropathiques. Prat. méd. fr., 1926, 5: B, 452-6. — **Tilgren** [Promoting nutrition by insulin in nondiabetics] Sven. läk. säll. forh., 1928, 225-44. — **Torrell Cendra, M.** La insulina en los estados de desnutrición de origen digestivo en el lactante. Ars medica, Barcel., 1930, 6: 333-7. — **Venuti, A.** Sul trattamento con piccole dosi d'insulina delle ipotrofe del lattante. Riv. clin. pediat., 1934, 32: 924-40. — **Vogt, E.** Ueber Diätkuren, besonders über Mastkuren mit Insulinpillen. Med. Klin., Berl., 1926, 22: 950-2. Ueber Mastkuren mit Insulin. Münch. med. Wschr., 1926, 73: 7-9. — **Wichmann, E.** Ueber Mastkuren mit Insulin. Ibid., 1927, 74: 2207-9.

— in animals.

Aubertin, E., & Mollaret, J. Influence de l'insuline sur un syndrome rappelant le rachitisme, développé chez de jeunes chiens. C. rend. Soc. biol., 1932, 110: 383-6. — **Gryzcki, S.** [Combined insulin-sugar therapy in the treatment of 3 different diseases in the horse and dog, myoglobinemia, encephalomyelitis equorum and typhus canum] Przegl. wet., 1939, 54: 265-72. — **Waddington, F. G.** Insulin treatment of diabetes mellitus in a dog. Vet. Rec., Lond., 1937, 17: 859.

— in children.

DUCAS, P. *Contribution à l'étude du traitement du diabète infantile par l'insuline. 115p. 8° Par., 1932.

FREYSCHMIDT, H. J. *Ueber einen mit Insulin behandelten Fall von Säuglingsdiabetes. 22p. 8° Gött., 1926.

Also Mschr. Kinderh., 1927, 35: 121-32.

VIEILLARD-BARON, P. *Résultats du traitement par l'insuline dans le diabète sucré infantile (étude statistique) 79p. 8° Par., 1926.

Apert, E. Diabètes infantiles graves traités avec succès par l'insuline. Bull. Soc. méd. hôp. Paris, 1923, 3. ser., 47: 1552-63. — **Aubertin, E.** Le traitement du diabète infantile par l'insuline. Rapp. Congr. pédiat. langue fr., 1936, 9. Congr., 5-69 [Discussion] 39-47. Also Presse méd., 1936, 44: 1074. Also Gaz. hôp., 1936, 109: 970. Also Gaz. méd. France, 1936, 43: 969. Also J. méd. Bordeaux, 1936, 113: 563. — **Boisserie-Lacroix.** Deux cas de diabète infantile traités par l'insuline. Bull. Soc. méd. chir. Bordeaux (1924) 1925, 324-34. Also Gaz. se. méd. Bordeaux, 1924, 45: 690-4. — **Bowcock, H. M., & Wood, J. A.** A case of infantile diabetes treated with insulin. J. Am. M. Ass., 1926, 86: 104. — **Boyd, G. L.** Insulin treatment in diabetes in children. Canad. M. Ass. J., 1924, 14: 33-40. — **Castex, M. R., Beretervide, J. J., & Heidenreich, A. J.** Insulinoterapia en un eona diabético juvenil en un eunucoide. Rev. As. méd. argent., 1924, 37: Soc. med. int., 649-52. — **Chabanier, H., Lebert, M., & Lumière, F.** Un cas de diabète infantile traité par l'insuline: action heureuse sur la

croissance de l'enfant. Bull. Soc. pédiat. Paris, 1926, 24: 135-9.—**Charleux, G.** Diabète infantile et insuline. J. méd. Lyon, 1926, 7: 323-31.—**Ducas, P.** Le traitement du diabète infantile par l'insuline. Gaz. méd. France, 1932, 235-41.—**Fischer, A. E., & Mackler, H.** Insulin in diabetes of childhood. Med. Clin. N. America, 1935, 19: 791-805.—**Freise, R.** Erfahrungen über Insulinbehandlung beim kindlichen Diabetes mellitus. Mschr. Kinderh., 1925, 30: 73-81. — Die Behandlung des kindlichen Diabetes mellitus unter besonderer Berücksichtigung der Insulintherapie. Fortsch. Med., 1926, 44: 1-10.—**Friedman, C. F.** Juvenile diabetes treated with insulin, report of a case. Boston M. & S. J., 1924, 191: 350.—**Ganiushina, E. K.** [Insulin in treatment of diabetes in children]. Peditria, Moskva, 1930, 14: 302-11.—**Geyelin, H. R., Harrop, G.** [et al.] The use of insulin in juvenile diabetes. J. Metab. Res., 1922, 2: 767-91, 9 pl.—**Geyelin, H. R., & Ladd, W. S.** Observations on severe juvenile diabetes (use of insulin over long periods of time in 9 cases). Tr. Ass. Am. Physicians, 1924, 39: 308-16.—**Gorter, E.** [Three cases of diabetes in children treated with insulin]. Ned. tschr. geneesk., 1923, 67: pt 2, 2144-53.—**Gray, H.** Insulin and juvenile diabetes, with diets in grams per kilo body-weight. N. York State J. M., 1924, 24: 543-6.—**Heimann-Trosin, A., & Hirsch-Kaufmann, H.** Ueber ambulante Insulinbehandlung bei Kindern. Mschr. Kinderh., 1925-26, 31: 536-8. — Zur Insulinbehandlung diabetischer Kinder. Ther. Gegenwart, 1927, 68: 202-5.—**Holst, J. E.** [Insulin therapy of diabetes in children]. Ugeskr. læger, 1925, 87: 475-9. — Le traitement précoce du diabète par l'insuline chez l'enfant. Acta med. scand., 1926, Suppl. 16: 463-72 [Discussion] 479-84.—**Insulin in juvenile diabetes.** Virginia M. Month., 1923-24, 50: 417-21.—**Labbé, M.** L'insulina nella cura del diabete dell'infanzia. Rinasc. med., 1926, 3: 121-5. — Evolution du diabète infantile sous l'influence du traitement par le régime et l'insuline. Presse méd., 1930, 38: 1041-4. Also Arch. méd. enf., 1931, 34: 95-107.—**Landabure, P. B., & Puchulu, F.** El empleo de la insulina en la diabetes infantil. Sem. méd., B. Air., 1931, 38: pt 1, 446-50.—**Lelong, M.** L'insulinothérapie dans les états non diabétiques de l'enfance. Gaz. hôp., 1936, 109: 970. Also J. méd. Bordeaux, 1936, 113: 564-8.—**Lereboullet, P.** Traitement du diabète infantile par l'insuline. Rev. gén. clin. théor., 1923, 37: 481-4. — Diabète infantile et insuline. J. méd. fr., 1923, 12: 392-6. — Que doit-on attendre de l'insuline dans le traitement du diabète infantile? Monde méd., 1925, 35: 800-11.—**Chabanier** [et al.] Un cas de diabète infantile traité par l'insuline. Bull. méd. Québec, 1923, 24: 267-9. Also Bull. Soc. pédiat. Paris, 1923, 21: 122-3. — Diabète infantile et insuline. Ibid., 302-7, 1924, 22: 200-3.—**Maurel, P.** De l'évolution et du pronostic dans la diabète infantile depuis l'insuline. Presse méd., 1933, 41: 518.—**Meier Flégel, E., & González, E.** Un caso de diabetes infantil tratado por la insulina. Gac. méd. Caracas, 1924, 31: 273-8.—**Mensi.** L'insulinoterapia ambulante nel diabete infantile (note di terapia). Clin. igiene inf., 1929, 4: 56. — Evoluzione e prognosi del diabete infantile dopo l'insulina. Ibid., 1933, 8: 222-4.—**Miyake, S.** Ein Fall von Kinder-Diabetes behandelt mit Insulin. Orient. J. Dis. Inf., Kyoto, 1927, 2: 123.—**Montgomery, J. C.** A case of diabetes mellitus in a child treated with insulin. J. Michigan M. Soc., 1924, 23: 23.—**Morichau-Beauchant, R.** Diabète infantile et cure d'insuline. Bull. méd., Par., 1927, 41: 1219-21.—**Mouriquand, G., Berheim, M., & Jossierand.** Diabète infantile grave traité depuis dix-huit mois par l'insuline. Lyon méd., 1926, 137: 470.—**Mouriquand, G., Bernheim, M., & Lesbros.** Un cas de diabète infantile traité depuis trois ans par l'insuline. Ibid., 1927, 140: 579.—**Mouriquand, G., Bernheim, M., & Vincent.** Evolution mortelle d'un cas de diabète infantile malgré l'emploi prolongé de fortes doses d'insuline. Ibid., 1928, 141: 382-6. Also J. méd. Paris, 1929, 48: 547. Also Méd. inf., Par., 1929, 35: 80-9.—**Mouriquand, G., Bertoye & Charleux.** Diabète infantile traité depuis 10 mois par l'insuline. Lyon méd., 1925, 136: 355-8.—**Mouriquand, G., & Charleux, G.** Résultats éloignés et évolution du diabète infantile traité par l'insuline. J. méd. Lyon, 1931, 12: 103-12.—**Mouriquand, G., Weill & Boucomont.** Diabète infantile traité depuis 8 ans par l'insuline. Lyon méd., 1932, 150: 603.—**Navarro, J. C., & Dabusti, H. J.** Diabetis infantil tratada por insulina. Arch. lat. amer. pediat., B. Air., 1924, 3: ser. 18: 442-5. Also Sem. méd., B. Air., 1924, 31: 1255-8.—**Nicholson, S. T., jr.** Juvenile diabetes treated with insulin. Clifton M. Bull., 1923-24, 9: 171-4.—**Nobécourt, P.** Observations d'enfants diabétiques, étude de la tolérance aux hydrates de carbone; traitement par l'insuline. Progr. méd., Par., 1923, 3: ser. 36: 641-5. Also Arch. argent. pédiat., 1931, 2: 465-71. — La diabetes en la infancia tratada por la insulina. Dia méd., B. Air., 1931, 4: 153. — L'insuline dans le traitement du diabète sucré des enfants. Progr. méd., Par., 1935, 2014-26. — **Ducas, P.** Treatment with insulin of diabetes mellitus as occurring in children. French M. Rev., Par., 1932, 2: 180-93. — **Laroche, M.** Insulinossensibilité du diabète des enfants. Arch. méd. enf., 1936, 39: 633-41.—**Pearce, N. O.** The use of insulin and high fat feeding in the treatment of diabetes in children. J. Lancet, 1924, 44: 68-74.—**Peignaux.** Sur un cas de diabète infantile grave traité par l'insuline. Arch. méd. Angers, 1933, 37: 113-5.—**Pollitzer, R.** Insulina e diabete infantile. Peditria, Nap., 1925, 33: 533-50.—**Priesel, R., & Wagner, R.** Erfahrungen über Insulinbehandlung im Kindesalter. Zschr. Kinderh., 1924, 38: 103-17.

Weitere Erfahrungen über die Insulinbehandlung des Diabetes mellitus im Kindesalter. Ibid., 1925, 39: 89-113. — Die optimale Insulinverteilung in der Behandlung des kindlichen Diabetes mellitus. Mschr. Kinderh., 1925-26, 31: 428. Also Klin. Wschr., 1926, 5: 10-4; 301. — Die Insulin-Heimbehandlung diabetischer Kinder. Ibid., 5: 1076-8. — Le diabète sucré de l'enfant et son traitement par l'insuline. Rev. fr. pédiat., 1930, 6: 781-830.—**Schippers, J. C.** Diabetes mellitus in an infant aged 8 months treated with insulin, report of case. Am. J. Dis. Child., 1925, 30: 336-42.—**Sorgente, P.** Diabete mellito in un bambino di 21 mesi curato con l'insulina. Rinasc. med., 1924, 1: 329-31.—**Steinbrinck.** Ueber zwei Fälle von jugendlichem Diabetes mit verzögerter Insulinwirkung. Klin. Wschr., 1926, 5: 818.—**Toverud, K. U.** [A study of insulin treatment of diabetes mellitus in children; 47 cases]. Norsk mag. lægevid., 1927, 88: 956-1010. — The result of 8 years' insulin treatment of diabetes mellitus in children. Acta pædiat., Upps., 1931-32, 12: 193-202.—**Trusen, M., & Walenta, E.** Das Schicksal der diabetischen Kinder seit Einführung des Insulins in die Therapie. Mschr. Kinderh., 1931, 51: 15-21.—**Uthem Toverud, K.** [Results of 8 years' treatment of diabetes mellitus with insulin in children]. Norsk mag. lægevid., 1932, 93: 186-94.—**Visentini, A.** Osservazioni sulla cura del diabete mellito mediante l'insulina. Atti Soc. lombard sc. med. biol., 1924, 13: 390-403.—**Wagner, R.** Diabetes mellitus im Kindesalter und Insulinbehandlung. Mschr. Kinderh., 1924-25, 29: 369-72. — Insulintherapie im Kindesalter. Zbl. ges. Kinderh., 1928, 22: 257-84. — Braucht das insulinbehandelte diabetische Kind eine Diätbehandlung? Wien. klin. Wschr., 1932, 45: 949.

— in pregnancy.

Küstner, H. Bedeutung der Insulinbehandlung für den Diabetes während der Schwangerschaft. Zschr. Geburtsh. Gyn., 1930-31, 99: 239-48.—**Weber, A. P. W.** [Insulin treatment during pregnancy in diabetes]. Ned. tschr. geneesk., 1935, 79: 2498-504.

INSURANCE.

See also Insurance medicine.

JOURNAL OF AMERICAN INSURANCE. Chic., Ill., v.18, 1941—

Anderson, J. G. Some aspects of insurance. Britain Today, Lond., 1941, No. 47, 13-6.—**Arnold, J. A.** Wartime insurance problems. J. Am. Insur., 1942, 19: No. 11, 15.—**Bernart, W. F., jr.** The insurance stamp pass book system. Personnel J., 1936-37, 15: 19-25.—**Betterley, P. D.** Loss causes and their control. J. Am. Insur., 1941, 18: No. 3, 17.—**Betts, W. C.** The new menace to insurance. Ibid., 1942, 19: No. 11, 11.—**Blanchard, R. H.** Insurance education. Ibid., 1941, 18: No. 9, 19. — Insurance and government. Ibid., 1942, 19: No. 2, 17.—**Brady, M. B.** On the nature and importance of insurance. Pacific Coast J. Nurs., 1942, 38: 220.—**Erion, F. L.** War and defense measures raise adjustment problems. J. Am. Insur., 1941, 18: No. 10, 21-4.—**Family maintenance, analysis of family maintenance policies and policy riders.** Life Insur. Courant, 1941, 46: 508.—**Ferguson, H. J.** Mutual insurance in peace and war. J. Am. Insur., 1941, 18: No. 11, 23.—**Hill, R. F.** The role of insurance in the defense program. Ibid., 1942, 19: 19-22.—**Hobbs, C. F.** Problems of supervision in the national emergency. Ibid., 1941, 18: No. 12, 21.—**Huebner, S. S.** The future of insurance, an address. Ibid., 1942, 19: No. 5, 11-4.—**Insuran-e** in a post-war world. Nurs. Times, Lond., 1942, 38: 481.—**Josephson, E. M.**—Insurance and the social service racket. In his Your Life is Their Toy. N. Y., 1940, 121-35.—**Landi, G.** Nel settore del credito e delle assicurazioni. Assist. sociale, Roma, 1939, 13: No. 8, 87-94.—**Sawyer, E. W.** Impact of war on existing insurance coverages. J. Am. Insur., 1942, 19: No. 9, 11-4.—**Ways and Means Committee** ends insurance tax hearing. Ibid., No. 4, 13-6.

— Agents and companies.

NORWAY. FORSIKRINGSRADET. Forsikringssselskaper. Oslo [1921] 1922—

SWEDEN. SVERIGES OFFICIELLA STATISTIK. Riksförsäkringsanstalten. Stockh., 1936—

Besson, M. Les Sociétés indigènes de prévoyance. Rapp. Congr. san. pub., Marseille, 1922, 3. Congr., 499-512.—**Ghiselli, E. E.** The use of the Strong Vocational Interest Blank and the Pressey Senior Classification Test in the selection of casualty insurance agents. J. Appl. Psychol., 1942, 26: 793-9.—**Heller, L.** Les sociétés de secours mutuels aux colonies. Rapp. Congr. san. pub., Marseille, 1922, 3. Congr., 451-63.—**Hörnig, P.** Die Lebens- und Invaliditätsversicherung bei privaten Versicherungsgesellschaften. In Aerzt. Gutacht. (A. W. Fischer & G. Molinow) Lpz., 1939, 2: 1129-64.—**Josephson, E. M.** Metropolitan's industrial policies have victimized poor. In his Your Life is Their Toy. N. Y., 1940, 123.—**Steps in accident-health sale** are presented in logical order. Accid. Health Rev., Indianap., 1942, 35: No. 2, 7.

— Legal aspect.

ROBERT, J. *Les contrats d'assurances individuelles au point de vue médico-légal. 54p. 24cm. Par., 1939.

Angsten, P. J. Problems of private insurance carrier states and competitive state jurisdictions. Bull. U. S. Dep. Labor Stand., 1935, No. 2: 70-85.—Feilchenfeld, L. Ueber die Besonderheiten der privaten Unfallversicherung. Med. Klin., Berl., 1906, 2: 1305-10.—Privileged communications, no waiver implied by statement in application for insurance; admissibility of autopsy finding [Iowa] J. Am. M. Ass., 1942, 118: 1399.

— Object.

See also such headings as **Accidents and injuries; Disability; Fire; Group medicine; Sickness insurance; Life insurance; Malpractice, etc.**

COURBET, P. *Assurance contre la mortalité du bétail (équidés; bovidés) influence des maladies contagieuses sur l'évolution et la forme de cette assurance [Alfort] 55p. 8°. Par., 1927.

STEINBACH, F. Die Arbeiter-Unfallversicherung und die Provisionsversicherung der Bergarbeiter in Oesterreich. 104p. 21cm. Berl., 1938.

UNITED STATES. CONGRESS. SENATE. Doc. No. 225: Export credit insurance in Europe today. Wash., 1934.

Assicurazione (L') del bestiame. In Annuario vet. ital., Roma, 1934-35, 730-2.—Automobile insurance for Danish physicians and veterinarians] Ugeskr. laeger, 1940, 102: 747-9.—Feilchenfeld, L. Die Sachversicherung, eine Parallele zur Versicherung der Person. Aertzl. Sachverst. Ztg., 1927, 23: 102-4.—Insurance of high-frequency apparatus. Brit. M. J., 1941, 2: Suppl., 72.—Report of the Committee on industrial assurance and assurance on the lives of children under 10 years of age. J. Inst. Actuaries, Lond., 1935, 66: 295-326 [Discussion] 327-68.—Vogl, S. [Evaluation of insurance failures] Allatorv. lap., 1937, 60: 383-5.

INSURANCE medicine.

See also **Accidents and injuries; Group medicine; Sickness insurance; Industrial worker; Sickness insurance; Life insurance; Workmen's compensation, etc.**

BUNGE, A. Medicina práctica y experiencia del seguro de vida. 197p. 20cm. B. Air., 1940.

WELSON, J. B. Personal accident, disease and sickness insurance. 2. ed. 134p. 8°. Lond., 1936.

Baumgaertner, I. W. Report of the insurance committee. J. Nat. Ass. Chiropod., 1941, 32: No. 4, 16.—Diefenhardt, A. Invalidenversicherung und Angestelltenversicherung. In Aertzl. Gutacht. (A. W. Fischer & G. Molineus) Lpz., 1939, 2: 1097-108.—Drennan, M. R. The medical side of insurance. S. Afr. M. J., 1942, 16: 369-71.—Eade, A. W. Things to know about accident and health insurance. J. Maine M. Ass., 1942, 33: 56.—Francis, B. H. Inflation vs. insurance. Med. Econom., 1941-42, 19: No. 4, 40.—Giannini, C. La evoluzione del concetto del rischio nelle assicurazioni sociali, la posizione della medicina delle assicurazioni nel complesso delle discipline mediche. Arch. antrop. crim., Tor., 1933, 53: 915-28.—Golding, C. E. Insurance, accident and health. Britan. Bk 1942, 352.—Haffter. Versicherung. Arzt, Kranker. Praxis, Bern, 1942, 31: 479.—Heagerty, J. J. Health insurance. Nat. Health Rev., Ottawa, 1942, 10: 64-7.—Health insurance. Med. Care, 1942, 2: 68-74.—Hörnig. Soll die Versicherungsmedizin ein Sondergebiet werden? Arch. orthop. Unfallchir., 1933-34, 34: 196-200.—Horn, P. Neuere Arbeiten aus dem Gebiete der Versicherungsmedizin. Med. Klin., Berl., 1937, 33: 1739; 1939, 35: 1053; 1940, 36: 1003 (microfilm); 1941, 37: 306.—Insurance Acts Committee of the B. M. A., report of March meeting. Brit. M. J., 1938, 1: Suppl., 155.—Kormes, M. Statistical methods as applied to casualty insurance. J. Am. Statist. Ass., 1940, 35: 47-54.—Müller-Hess & Wiethold. Aus dem Gebiete der Versicherungsmedizin. Jahrbuch. ärztl. Fortbild., 1932, 23: 54.—Neustädter, O. Der prophylaktische Gedanke in der Unfall- und Lebensversicherung. Opera Internat. Congr. Indust. Accid. (1928) 1929, 5. Congr., 655-66.—Reckzeh. Ueber einige wichtige versicherungsmedizinische Begriffe aus dem Gebiet der Krankenversicherung. Klin. Wschr., 1926, 5: 899-905.—Report of Insurance Acts Committee [Great Britain] Brit. M. J., 1942, 2: Suppl., 39-42.—Starr, H. F. Some general principles of insurance medicine. South. M. & S., 1942, 104: 149.—Venning, E. S. A scheme for national dental insurance. Brit. Dent. J., 1943, 74: 19.—Wiethold, F. Konstitution und Versicherungsmedizin. In Konst. & Erbbiol. (Jaensch, W.) Lpz., 1934, 367-79.

— Congress.

INTERNATIONALER KONGRESS DER SOZIALVERSICHERUNGSFACHLEUTE. 2. Kongress, Dresden, 4-8 Sept., 1936: Bericht über die Arbeiten. 218p. 21½cm. Stuttg., 1938.

LEIPZIG. INSTITUT FÜR VERSICHERUNGSWISSENSCHAFT AN DER UNIVERSITÄT LEIPZIG. Vorträge der ersten Versicherungsmedizinischen Tagung. 148p. 23½cm. Lpz., 1938.

Defense aid, optimism emphasized; notable program presented at enthusiastic mid-year meeting of National Association held in Kansas City. Accid. Health Rev., Indianap. 1942, 35: No. 2, 1.—Jaeger. Zehnte Tagung der Deutschen Gesellschaft für Unfallheilkunde, Versicherungs- und Versorgungsmedizin in Berlin am 18. und 19. Oktober 1935. Chirurg, 1935, 7: 886-92.—Richter, L. Die Aufgaben des Vierten Internationalen Kongresses der Sozialversicherungsfachleute, Rom 1939. Vertrauensarzt, 1939, 7: 85.

— Forensic aspect.

See also **Disability, Medico-legal aspects; Disease, Causes; Workmen's compensation, etc.**

RAITZIN, A. Asfalologia médico-legal. 256p. 24cm. B. Air., 1940.

Brandenburg, K. Zur Einführung. Med. Klin., Berl., 1938, 34: 1066.—Case, G. Note di medicina delle assicurazioni. Fol. med., Nap., 1935, 21: 149-51.—Causa (La) della malattia letale nei rapporti assicurativi. Arch. antrop. crim., Tor., 1934, 55: 304.—Cazzaniga, A. Su taluni problemi di medicina assicurativa attinenti alle infezioni. Ibid., 1933, 54: 929-47.—Mazel, P. L'expertise médico-légale dans l'assurance individuelle. J. méd. Lyon, 1934, 15: 751-9.—Pfeffer, F. Was muss der Gutachter über die Voraussetzungen zur Gewährung und über den Beginn der Invaliden-, Witwen- und Waisenrente wissen? Med. Klin., Berl., 1940, 36: 1192 (microfilm)—Puppe, G., & Müller-Hess, V. Gerichtliche und versicherungsrechtliche Medizin. Jahrbuch. ärztl. Fortbild., 1922, 13: H. 9, 29-42.—Time of origination of disease under insurance (Cohen v. North American Life & Casualty Co. (Minn.) 185 N. W. R. 939) J. Am. M. Ass., 1922, 79: 65.

— Practice and practitioner.

See also **Factory, Medical service; Group medicine, Personnel: Physician; Industrial physician, etc.**

FISCHER, A. W., & MOLINEUS, G. Das ärztliche Gutachten im Versicherungswesen. 2v. 1214p. 24½cm. Lpz., 1939.

GOLINER. Kompendium der ärztlichen Versicherungspraxis. 100p. 8°. Lpz., 1915.

JOHNSON, R. T. The doctor asks about accident and health insurance. 60p. 23cm. [N. Y., 1941]

MACLAREN, J. P. Medical insurance examination: modern methods and rating of lives for medical practitioners, and insurance officials. 312p. 8°. Lond., 1927.

Application for war bonus for insurance practitioners. Brit. M. J., 1942, 1: Suppl., 42.—Arce Molina, B. Deontología en la práctica del servicio social. Ponenc. Jornad. neuropsiquiátr. panamer., 1939, 2. reün., 1: 467-550.—Borella, R. Penalità dei medici nell'esecuzione della legge infortuni agricoli e norme per evitarle. Gazz. med. lombard., 1921, 80: 168-70.—Bromer, A. W. Insurance examinations. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 7: 909-19.—Concerning an insurance fakir; warning, California West. M., 1941, 55: 334.—Crownhart, J. G. Lien laws of doubtful practical value. Bull. Am. M. Ass., 1933, 28: 26-8.—Engel. The interest of insurance organizations in medical postgraduate study. Ber. Internat. Kongr. ärztl. Fortbild. (1937) 1938, 3. Kongr., 233.—Fernández Davila, G. Deontología en la práctica del servicio social. Ponenc. Jornad. neuropsiquiátr. panamer., 1939, 3. reün., 1: 1073-90.—Francis, B. H. Common insurance mistakes. Med. Econom., 1941-42, 19: No. 3, 44-6.—Grossmann, L. L. The insurance examiner. Wisconsin M. J., 1941, 40: 332-5.—Habbe, J. E. The roentgenologist's report, who should receive it? Radiology, 1942, 38: 618.—Hecker. Schweigepflicht des nachuntersuchenden Arztes gegenüber der Versicherungsgesellschaft. Münch. med. Wschr., 1941, 88: 77 (microfilm)—Holmes, J. J. The examination problem. J. Am. Insur., 1941, 18: No. 12, 19.—Insurance Acts Committee of the British Medical Association, economic position of insurance practitioners. Brit. M. J., 1941, 2: Suppl., 101.—Insurance Acts Committee of the B. M. A., procedure on Ministry's refusal. Ibid., 1942, 2: Suppl., 13.—Insurance (The) capitation fee, Insurance Acts Committee of the B. M. A. Ibid., 1941, 1: Suppl., 87.—Knutson, R. G. Expediting insurance claims by cooperation

with insurance companies. Wisconsin M. J., 1940, 39: 1098-1100.—**Medical practice under the Insurance Act.** Lancet, Lond., 1913, 1: 721, *passim*.—**Pickenbach, W.** Haben Unfallversicherungs-gesellschaften einen Vertrauensarzt nötig? Mschr. Unfallh., 1933, 40: 554-61.—**Post-graduate courses of instruction for insurance practitioners.** Annual Rep. Dep. Health Scotland, 1939, 10: 148.—**Postgraduate facilities for insurance practitioners; Ministry of Health's new proposals.** Brit. M. J., 1937, 2: Suppl., 153.—**Re: relations between physicians and insurance companies.** California West. M., 1942, 57: 67.—**Rink, W.** Die Objektivation bei den versicherungsmedizinischen Untersuchungen. Deut. med. Wschr., 1933, 59: 1930.—**Tanner de Abreu, H.** Deontologia na prática do seguro social. Ponenc. Jornad. neuropsiquiátr. paramer., 1939, 2. reum., 1: 441-64.—**Ugarte, L. A.** Deontologia médica en la práctica del seguro social. Ibid., 553-643.

INTEGRATION [biol.]

See also such headings as **Brain, Cerebration; Intelligence, Development; Personality, Type; see also Ontogenesis.**

Buchanan, J. W. Intermediate levels of organismic integration. Biol. Sympos., Lanc., 1942, 8: 43-65.—**Gerard, R. W.** Higher levels of integration. Ibid., 67-87. Also Science, 1942, 95: 309-13.—**Redfield, R.** Introduction to the biological symposium, Sept. 1941, University of Chicago. Biol. Sympos., Lanc., 1942, 8: 1-26.—**Wolfe, T. P.** A note on integration in science. Internat. J. Sex Econom., 1942, 1: 171.

INTEGUMENT.

See **Skin.**

INTELLECT.

See also **Brain, Cerebration; Mental function; Cognition; Intelligence; Intuition, etc.**

CATTANI, A. De intellectu et de causis mirabilium effectuum [86]p. 20cm. [n. p., ca 1502]

PATERSON, D. G. Physique and intellect. 304p. 20½cm. N. Y. [1930]

Alexander, F. The voice of the intellect is soft ... Psychoanal. Rev., 1941, 28: 12-29.—**Baird, J. W.** Memory, imagination, learning, and the higher mental processes (experimental) Psychol. Bull., 1913, 10: 333-47.—**Bernard, L. L.** Emotion and intellect in the life of men. In his *Introduit. Sociol.*, N. Y., 1942, 604-32.—**Brickner, R. M.** An aspect of the physiology of intellect, illustrated by Jacksonian seizures, or hallucinations? Tr. Am. Neur. Ass., 1938, 64: 156-63.

An aspect of the physiology of intellect, illustrated by Jacksonian seizures. Bull. Neur. Inst. N. York, 1938, 7: 245-59.

Factors in the neural bases of intellect and emotion.

Yale J. Biol., 1938-39, 11: 547-56.

Conscious inability to synthesize thought in a case of right frontal tumor and lobectomy; anatomic considerations concerning the neurons of intellect. Arch. Neur. Psychiat., Chic., 1939, 41: 1166-79.

Brown, L. G. Intellectual processes. In his *Social Path.*, N. Y., 1942, 18-20.—**Dalbiez, R.** The cognitive unconscious. In his *Psychoanal. Meth. & Doctrine of Freud*, Lond., 1941, 2: 23.—**Dawson, S.** The effect of disease on intellect. Tr. R. Med. Chir. Soc. Glasgow, 1935, 29: 1-13.—**Desfosses, P.** L'éducation sensorielle dans la formation intellectuelle de l'élite. Presse méd., 1921, 29: (annexe) 121-7.—**Dulsky, S. G.** Affect and intellect. J. Gen. Psychol., 1942, 27: 199-220.

Duvoir, M., & Desoille, H. Surmenage intellectuel. In *Année méd. prat.*, Par., 1939, 18: 469.—**Effect** (The) of disease on intellect. Tr. R. Med. Chir. Soc. Glasgow, 1934-35, 29: 9-13.—**Forel, A.** Ueber unser menschlicher Erkenntnisvermögen; Beitrag zur wissenschaftlichen deterministischen Psychologie. J. Psychol. Neur., Lpz., 1915, 21: 49-67.

Glaus, A. Intellekt und Psychopathie. Schweiz. med. Wschr., 1937, 67: 705-9.—**Gore, W. C.** Memory, concept, judgment, logic (theory) Psychol. Bull., 1913, 10: 347-51.—**Henning, H.** Experimentelle Untersuchung zur Denkpsychologie; die assoziative Mischwirkung, das Vorstellen von noch nie Wahrgenommenem und deren Grenzen. Zschr. Psychol. Physiol. Sinnesorg., 1. Abt., 1914, 81: 1-96.—**Kafka, G.** Ueber das Verständnis von Ausdruckserscheinungen. Rapp. Congr. internat. psychol. (1937) 1938, 11. Congr., 379.—**Laforge, R.** Reflections concerning the intellect. In his *Relat. Reality*, N. Y., 1940, 60-84.—**Lehman, H. C.** The creative years; best books. Sc. Month., N. Y., 1937, 45: 65-75.—**Monéry, A.** Les limites de la critique médico-psychologique dans le domaine littéraire. Chron. méd., Par., 1909, 16: 209-13.—**Nache.** Kunst und Intellekt. Arch. Krim., 1905, 20: 172.—**Pillsbury, W. B.** L'épreuve et l'erreur, loi des opérations mentales. Rev. philos. France, 1923, 96: 202-13.—**Simpson, B. R.** You can't train the intellect before it arrives. Sc. Month., 1936, 43: 345-57.—**Thorndike, E. L.** The relation between intellect and morality in rulers. Am. J. Sociol., 1936-37, 42: 321-34.—**Trotter, W.** Has the intellect a function? Lancet, Lond., 1939, 1: 1419-24. Also in his *Collect. Papers*, Lond., 1941, 165-86.—**Wälder, R.** Schizophrenie and creative thinking. Internat.

J. Psychoanal., Lond., 1926, 7: 366-76.—**Wagner, L.** Verstand, Geist, Intellekt. Zschr. Mensch., 1936-37, 12: 5-15.—**Wodehouse, H.** Knowledge as presentation. Mind, Lond., 1909, n. ser., 18: 391-9.

— in animals.

See **Intelligence—in animals.**

INTELLECTUALISM.

SCHMIDT, I. *Ueber Beziehungen zwischen Landflucht und Intelligenz [Berlin] p.358-70. 25½cm. Münch., 1938.

Arcand, A. Petites manies et misères des intellectuels. Union méd. Canada, 1942, 71: 850-4.—**Brünger, C.** Die Landflucht der Begabten. Allg. Zschr. Psychiat., 1939, 112: 337-48.—**Freud, S.** Der Fortschritt in der Geistigkeit. Internat. Zschr. Psychoanal., Wien, 1939, 24: 6-9.—**Intellectual curiosity versus intellectual laziness.** Pennsylvania M. J., 1935-36, 39: 825.—**Lalande, A.** Philosophie de l'intellect; les essais d'Emile Meyerson. Rev. philos. France, 1937, 124: No. 9-10, 5-27.—**Magaret, G. A.** Differences in intellectual functioning among normal, paretic, and schizophrenic adults. Abstr. Diss. Stanford Univ. (1940-41) 1941, 16: 219-22.—**Mannheim, K.** The problem of intellectual life in mass society. In his *Man & Society*, N. Y., 1940, 106.—**Russell, B.** The role of the intellectual in the modern world. Am. J. Sociol., 1938-39, 44: 491-8.—**Schroeder, T.** Intellectual evolution and pragmatism. Monist, Chic., 1916, 26: 86-112.—**Sirangu-lation of intellectualism.** J. Am. M. Ass., 1939, 113: 2163.

INTELLIGENCE.

See also **Cognition; Education, Psychology; Efficiency, mental; Examination, Factors in school progress; Intellect; Intelligence quotient; Intelligence test; Knowledge; Learning; Mentality, etc.**

HOLLANDER, B. Brain, mind, and the external signs of intelligence. 288p. 8°. Lond. [1931]

MOORE, D. T. V. Human and animal intelligence. p.95-158. 22cm. Wash., 1941.

VIVANTE, L. Intelligence in expression. 205p. 8°. Lond. [1925]

WYATT, H. G. The psychology of intelligence and will. 273p. 8°. Lond., 1930.

Berman, L. The possibilities for intelligence. In his *New Creations*, N. Y., 1938, 139-53.—**Intelligence** can't be isolated as chemical elements can. Science News Lett., 1941, 39: 277.—**Korngold, S.** Rôle de l'intelligence dans le travail professionnel. C. rend. Conf. internat. psychotechn. (1934) 1935, 8. Conf., 239.—**Lipmann, O.** Ueber Begriff und Erforschung der natürlichen Intelligenz. Zschr. angew. Psychol., 1918, 13: 192-201.—**Podolski, E.** Sobre a anatomia da inteligência. Impr. med., Rio, 1942, 18: No. 342, 129-31.—**Woods, F. A.** Brainy people have good characters. J. Hered., 1937, 28: 63-8.

— **Correlations.**

BROWN, A. W. *The unevenness of the abilities of dull and of bright children. 112p. 8°. N. Y., 1926.

CARMICHAEL, L. The physiological correlates of intelligence. p.93-155. 22cm. [Bloomington, Ill., 1939?]

GELLER, W. [H.] *Ueber Untersuchungen der Nagelfalzkapillaren unter besonderer Berücksichtigung ihrer Beziehungen zur Intelligenz 24p. 8°. Bonn, 1933.

Abt, I. A., Adler, H. M., & Bartelme, P. The relationship between the onset of speech and intelligence. J. Am. M. Ass., 1929, 93: 1351-5.—**Atkinson, W. R.** The relation of intelligence and of mechanical speeds to the various stages of learning. J. Exp. Psychol., 1929, 12: 89-112.—**Bischler, W.** Intelligence and the higher mental functions. Psychoanal. Q., 1937, 6: 277-307.—**Brunschwig, L.** Intelligence et intuition. Internat. med. W. Schweiz (1935) 1936, 1. Congr., 62-74.—**Bühler, C.** Mouvement et intelligence. Rapp. Congr. internat. psychol. (1937) 1938, 11. Congr., 348-52.—**Eliasberg, W.** Intelligenz, Intelligenzprüfung und Sprache; zugleich eine Besinnung auf einige Grundfragen der angewandten Psychologie. Klin. Wschr., 1924, 3: 1985-9.—**Finzel, G.** Schulrangreihe im Vergleich zu den Ergebnissen der Intelligenzprüfungen; Untersuchungen an einer Mädchenklasse des 6. Schuljahres. Zschr. pädag. Psychol., 1938, 39: 144-50.—**Greulich, W. W., Day, H. G.** [et al.] Intelligence and educational achievement. Monogr. Soc. Res. Child Develop., 1938, 3: No. 2, 332-47.—**Haggarty, L. H., & Keys, N.** Is it practicable to compare intelligence and achievement? Psychol. Bull.

1941, 38: 732.—**Harlow, H. F.** The neuro-physiological correlates of learning and intelligence. *Ibid.*, 1936, 33: 479-525.—**Herrick, J. L.** Mentality and intelligence. N. York State J. M., 1917, 17: 486-90.—**Hillgruber, A.** Wille und Intelligenz (ein Beitrag zur Psychologie der praktischen Intelligenz). *Arch. ges. Psychol.*, 1938, 101: 151-72.—**Hinton, R. T., jr.** The rôle of the basal metabolic rate in the intelligence of children. Summaries Doct. Diss. Northwest Univ., 1937, 5: 215-9. — A further study on the rôle of the basal metabolic rate in the intelligence of children. *J. Educ. Psychol.*, 1939, 30: 309-14.—**Keller, H.** Ueber die Beziehungen zwischen Begabung und Fortpflanzung. *Arch. Rassenb.*, 1929, 22: 36-49.—**Mackaye, D. L.** Interrelations of speech and intelligence. *Am. J. Sociol.*, 1929, 35: 353-68.—**Patrick, J. R., & Rowles, E.** Intercorrelations among metabolic rate, vital capacity, blood pressure, intelligence, scholarship, personality and other measures on university women. *J. Appl. Psychol.*, 1933, 17: 507-21.—**Pauli, H.** Körper-Konstitution und Begabung. *Arch. Rassenb.*, 1929, 22: 21-36.—**Peters, W.** Ueber die Beziehungen des Temperaments zur Intelligenz. *Zschr. angew. Psychol.*, 1930, 36: 174-92.—**Querido, A.** [Muscular strength and intellect]. *Ned. tsehr. geneesk.*, 1923, 67: 2527-32.—**Reaney, M. J.** The correlation between general intelligence and play ability as shown in organized group games. *Brit. J. Psychol.*, 1913-14, 7: 226-52.—**Schaffer, K.** Begabung und Gehirn. *Psychiat. neur. Wschr.*, 1932, 34: 485.—**Sears, P. S.** Levels of aspiration in academically successful and unsuccessful children. *J. Abnorm. Psychol.*, 1940, 35: 498-536.—**Sheldon, W. H.** Morphologic types and mental ability. *J. Personnel Res.*, 1926-27, 5: 447-51.—**Shook, N. W., & Jones, H. E.** The relationship between basal physiological functions and intelligence in adolescents. *J. Educ. Psychol.*, 1940, 31: 369-75.—**Stewart, R. M.** Brain morphology in relation to intelligence. *Brit. M. J.*, 1935, 1: 171.—**Travis, L. E., & Hunter, T. A.** The relation between intelligence and reflex conduction rate. *J. Exp. Psychol.*, 1928, 11: 342-54.—**Vernant, J.** Intelligence et affectivité. *Rev. philos. France*, 1939, 64: 166-89.—**Vértes, J. O.** Assoziation und Intelligenz. *Arch. ges. Psychol.*, 1932, 85: 219-28.—**Watson, R. I.** The relationship between intelligence and the retention of course material in introductory psychology after lengthy delay periods. *J. Educ. Psychol.*, 1939, 30: 265-79.—**Weisman, S. A.** The relationship of the flat chest to intelligence. *Ann. Int. M.*, 1935-36, 9: 451-7.—**Wrenn, C. G.** The relationship of intelligence to certain interests, personality traits, and vocational choices of college students. *Abstr. Dissert. Stanford Univ.*, 1932-33, 8: 32-6.—**Yum, K. S.** Primary mental abilities and scholastic achievements in the divisional studies at the University of Chicago. *J. Appl. Psychol.*, 1941, 25: 712-20.—**Ziehen, T.** Intelligenz und Sprachentwicklung. *Ber. Deut. Ges. Sprach Stimmh.*, 1934, 4. Vers., 1-20.

Development.

See also **Growth [human]** mental and motor; **Mind**.

Freeman, F. N., & Flory, C. D. Growth in intellectual ability as measured by repeated tests. 116p. 23cm. Wash., 1937.

Izard, J. *La détermination du développement intellectuel chez les enfants; son importance clinique. 120p. 8°. Par., 1930.

Orton, S. T. The development of speech understanding in relation to intelligence. 14p. 8°. Langhorne, 1935.

Schiller, B. *Verbal, numerical and spatial abilities of young children [Columbia Univ.] 69p. 8°. N. Y., 1934.

Stoddard, G. D. The growth and decline of intelligence. p.77-88. 23cm. Wash., 1941.

Antipoff, H. Determinação da idade bio-psíquica da criança. *Arch. med. leg. ident.*, Rio, 1937, 7: 138-51.—**Bauer, C.** Synthetische Definitionsversuche; ein Beitrag zur Frage der Erziehbarkeit von Intelligenzleistungen. *Arch. ges. Psychol.*, 1928, 62: 1-134.—**Beckey, R. E.** Your child's intelligence. Hygeia, Chic., 1942, 20: 784-7.—**Cabello, E., & Cervini, P. R.** Desarrollo psíquico del niño de primera infancia de la ciudad de Buenos Aires. *An. Soc. puericult. B. Aires*, 1942, 8: 29-46, tab.—**Castro, M.** Evolução intelectual do homem. *Impr. med.*, Rio, 1942, 18: No. 343, 110.—**Cattell, P.** Intelligence of infants and its measurement. *Tr. N. York Acad. Sc.*, 1940-41, ser. 2, 3: 162-71.—**Coghill, G. E.** Integration as a primary or secondary condition. *Monogr. Soc. Res. Child Develop.*, 1940, 5: No. 2, 43-6.—**Davidson, H. P.** An experimental study of bright, average, and dull children at the 4-year mental level. *Genet. Psychol. Monogr.*, 1931, 9: 119-289.—**Devaux, E.** La genèse de l'intelligence humaine; la forêt a fait le singe et la caverne a fait l'homme. *Rev. gén. sc. pur.*, 1929, 40: 144-50.—**Dubnoff, B.** A comparative study of mental development in infancy. *J. Genet. Psychol.*, 1938, 53: 67-73.—**Farmer, E.** A study in mental integration. *Rapp. Congr. internat. Psychol.* (1937) 1938, 11. Congr., 261.—**Freeman, F. N.** Intellectual growth of children as indicated by repeated tests. *Psychol. Monogr.*, 1936, 47: No. 2, 20-34.—**Flory, C. D.** Intellectual growth as indicated by

composite growth curves. *Monogr. Soc. Res. Child Develop.*, 1937, 2: No. 2, 28-46. — Intellectual growth as indicated by age runs. *Ibid.*, 47-54. — Individual differences in intellectual growth. *Ibid.*, 55-74. — Relation of intellectual and physical growth. *Ibid.*, 69-71. — Development at the college level. *Ibid.*, 75-86.—**Gessell, A. L., & Amatruda, C. S.** Norms of development. In their *Develop. Diagn.*, N. Y., 1941, 23-90.—**Goodenough, F. L., & Maurer, K. M.** The relative potency of the nursery school and the statistical laboratory in boosting the IQ. *J. Educ. Psychol.*, 1940, 31: 541-9.—**Herrick, C. J.** The evolution of intelligence and its organs. *Science*, 1910, 31: 7-18.—**Lambercier, M., & Rey, A.** Contribution à l'étude de l'intelligence pratique chez l'enfant. *Arch. psychol.*, Genève, 1935-36, 25: 1-59.—**Livesay, T. M.** Does test intelligence increase at the college level? *J. Educ. Psychol.*, 1939, 30: 63-8.—**Lowell, F., & Woodrow, H.** Some data on anatomical age and its relation to intelligence. *Pedag. Semin.*, Worcester, 1922, 29: 1-15.—**Murchison, C., & Langer, S.** Tiedemann's observations on the development of the mental faculties of children. *Ibid.*, 1927, 34: 205-30.—**Nagge, J. W.** The growth of intelligence. In his *Psychol. Child.*, N. Y., 1942, 148-86. — The nature of intellectual growth. *Ibid.*, 153-62. — The correlations of various aspects of physical and intellectual growth. *Ibid.*, 217-22.—**Oberer, L.** Untersuchungen über die Entwicklung intellektueller Funktionen im Schullalter. *Zschr. angew. Psychol.*, 1930, 36: 288-362.—**Pernambuco Filho.** A evolução psico-somática, da infância à adolescência. *Arq. med. leg. ident.*, Rio, 1934, No. 8, 154-75.—**Piaget, J.** Le développement intellectuel chez les jeunes enfants; étude critique. *Mind*, Lond., 1931, 40: 137-60. — La naissance de l'intelligence chez l'enfant. *Brit. J. Educ. Psychol.*, 1939, 9: 92-6.—**Piéron, A.** La naissance de l'intelligence enfantine. *C. rend. Congr. internat. enf.* (1931) 1933, 267-75.—**Pyle, W. H., & Snadden, G. H.** An experimental study of bright and dull high-school pupils. *J. Educ. Psychol.*, 1929, 20: 262-79.—**Roff, M.** A statistical study of the development of intelligence test performance. *J. Psychol.*, Provincet., 1941, 11: 371-86.—**Severson, S. O.** The relation of the anatomical age to the chronological, pedagogical, and mental ages with special reference to sex differences. *Proc. Am. Ass. Study Feeble-minded*, 1922, 46. Session, 150-70.—**Shuttleworth, F. K.** Intelligence. *Monogr. Soc. Res. Child Develop.*, 1939, 4: No. 3, 196-202.—**Sister Maurice McManama.** A genetic study of the cognitive general factor in human intelligence. *Stud. Psychol. Cath. Univ. America*, 1936, 4: No. 2, 1-35.—**Slater, E., Beekwith, R., & Behnke, L.** Intellectual development, progress chart. *Monogr. Soc. Res. Child Develop.*, 1939, 4: No. 2, 139.—**Stempler, F.** Ueber intellektuelle Spät- oder Nachreife. *Zschr. ges. Neur. Psychiat.*, 1937, 158: 457-71.—**Stoddard, G. D.** Patterns of growth in human intelligence. *Proc. Nat. Acad. Sc. U. S.*, 1941, 27: 551-5.—**Thurstone, L. L.** The mental age concept. *Psychol. Rev.*, 1926, 33: 268-78.—**Valentine, C. W.** Fundamental factors in mental development, maturation, exercise and physiological conditions. In his *Psychol. Early Childh.*, Lond., 1942, 44-56.—**Varendonk, J.** L'évolution des facultés conscientes. In *Evolut. psychiatr.*, Par., 1925, 281-4 (Abstr.).—**Waxweiler.** L'ouvrage du Dr Georges Bohn sur La naissance de l'intelligence. *Bull. Soc. anthrop. Bruxelles*, 1909, 28: 109-13.—**Welch, L.** The development of discrimination of form and area. *J. Psychol.*, Provincet., 1939, 7: 37-54.—**Weitman, B. L.** The growth of intelligence. In *Modern Marriage* (Jung, M.), N. Y., 1940, 372-8.—**Wiersma, D.** [Phantasy, observation and intelligence in children] *Psychiat. neur. bl.*, Amst., 1936, 40: 905-25.—**Wile, I. S.** Intellectual growth and education. In his *Challenge of Adolescence*, N. Y., 1939, 115-49.—**Wright, J., & Davis, R. M.** A study of the behavior of 250 children with mental age 10 years. *Am. J. Orthopsychiat.*, 1938, 8: 689-709.

Disorder.

See also under names of primary diseases; also **Idiocy; Imbecility; Mental deficiency, etc.**

Abramson, J. Les aptitudes intellectuelles spéciales chez les instables. *Ann. méd. psychol.*, Par., 1937, 95: pt 2, 603-31.—**Berman, L.** Multiglandular defects of intelligence. In his *New Creations*, N. Y., 1938, 146-53.—**Delgado, H.** Psicología general y psicopatología de la inteligencia. *Rev. neur. psiquiat.*, Lima, 1940, 3: 291-354.—**Hebb, D. O.** Intelligence in man after large removals of cerebral tissue; report of four left frontal lobe cases. *J. Gen. Psychol.*, 1939, 21: 73-87. — Human intelligence after removal of cerebral tissue from the right frontal lobe. *Ibid.*, 1941, 25: 257-65. — The effect of early and late brain injury upon test scores, and the nature of normal adult intelligence. *Proc. Am. Philos. Soc.*, 1941-42, 85: 275-92.—**Hettinger, J.** Psychological handicaps in the search for truth. *Nature*, Lond., 1941, 148: 473.—**Jacobsen, C. F., & Nissen, H. W.** Studies of cerebral function in primates; the effects of frontal lobe lesions on the delayed alternation habit in monkeys. *J. Comp. Psychol.*, 1937, 23: 101-12.—**Jastak, J.** Intelligent, but ignorant. *Delaware M. J.*, 1941, 13: 130-3.—**Lawton, G.** Mental abilities at senescence, a survey of present-day research. *J. Appl. Psychol.*, 1938, 22: 607-19.

Distribution.

Anderson, J. E. Intelligence tests of Yale freshmen. *School & Soc.*, 1920, 11: 417-20.—**Book, W. F.** Intelligence of

6,188 high-school seniors going to college. *Psychol. Bull.*, 1921, 18: 89.—**Franzen, R.** The geography of intelligence. *J. Educ. Psychol.*, 1924, 15: 499-512.—**Hamczyk, S.** [Investigations of the intelligence of students of the reform school] *Zdrowie, Warsz.*, 1914, 30: 146; 237.—**Hill, D. S.** Results of intelligence tests at the University of Illinois. *School & Soc.*, 1919, 9: 542-5.—**Hoffmann, A.** Vergleichende Intelligenzprüfungen an Vorschülern und Volksschülern. *Zschr. angew. Psychol.*, 1913-14, 8: 102-20.—**Hunter, H. T.** Intelligence tests at Southern Methodist University. *School & Soc.*, 1919, 10: 437-40.—**Koch, A.** Experimentelle Untersuchungen über die Abstraktionsfähigkeit von Volksschulkindern. *Zschr. angew. Psychol.*, 1923-13, 7: 332-91.—**Lofthus, J.** Intelligence investigations in the municipal schools of Oslo. *World Health, Par.*, 1927, 8: 172-5.—**Lorge, I.** A table of percentile equivalents for eight intelligence tests frequently used with adults. *J. Appl. Psychol.*, 1936, 20, 3: 392-5.—**Monroe, W. S.** Intelligence of 600 young children. *Psychol. Bull.*, 1913, 10: 74.—**Myers, G. C.** Educational research and statistics, comparative intelligence ratings of three social groups within the same school. *School & Soc.*, 1921, 13: 536-9.—**Oort, A. H.** [Result of intelligence tests] *Psychiat. neur. bl., Amst.*, 1921, 460-70.—**Oort** [Result of intelligence test taken during examination year of 1921 by the Dutch Society of Psychology and Neurology] *Ibid.*, 1923, 27: 151-203.—**Porter, J. P.** Some results of intelligence tests in school, college and industry. *Psychol. Bull.*, 1921, 18: 93.—**Porteus, S. D.** Mental tests with delinquents and Australian aboriginal children. *Psychol. Rev.*, 1917, 24: 32-42.—**Stern, W.** Zum Vergleich von Vorschülern und Volksschülern. *Zschr. angew. Psychol.*, 1913-14, 8: 121-3.—**Sylvester, R. H.** An intelligence survey of a typical town school. *Pedag. Semin., Worcester.*, 1919, 26: 365-71.—**Terman, L. M.** Intelligence tests in colleges and universities. *School & Soc.*, 1921, 13: 481-94.

Environmental and social correlates.

Porteus, S. D. Primitive intelligence and environment. 325p. 8°. N. Y., 1937.

Anderson, C. A. An experimental study of social facilitation as affected by intelligence. *Am. J. Sociol.*, 1929, 34: 874-81.—**Bayley, N.** A cumulative study of environmental correlates of intelligence. *Psychol. Bull.*, 1935, 32: 702.—**Brem, H.** Intelligenz und soziale Schicht. *Arch. Rassenb.*, 1931, 25: 129; 395.—**Canady, H. G.** The problem of equating the environment of Negro-white groups for intelligence testing in comparative studies. *J. Social Psychol.*, 1943, 17: 3-15.—**Chapman, J. C.**, & **Wiggins, D. M.** Relation of family size to intelligence of offspring and socio-economic status of family. *Pedag. Semin., Worcester.*, 1925, 32: 414-21.—**Dawson, S.** Environmental influence on mentality. *Brit. J. Psychol.*, 1936, 27: 129-34.—**Even** nurture in the wild will not destroy intelligence. *Science News Lett.*, 1941, 39: 182.—**Glass, L. C.** The relation of the intelligence of college students to the occupation of their parents. *Eugen. News*, 1936, 21: 1.—**Haggerty, M. E.**, & **Nash, H. B.** Mental capacity of children and paternal occupation. *J. Educ. Psychol.*, 1924, 15: 559-72.—**Haught, B. F.** The relation of intelligence of college freshmen to parental occupation. *Psychol. Monogr.*, Princeton, 1938, 50: No. 5, 203-10.—**Jordan, A. M.** Parental occupations and children's intelligence scores. *J. Appl. Psychol.*, 1933, 17: 103-19.—**Katzenstein, B.** Vergleichende psychologische Untersuchung über die Intelligenz der vom Lande in die Stadt abgewanderten Jugendlichen. *C. rend. Conf. internat. psychotechn.*, 1934] 1935, 8. Conf., 695.—**Kirihaara, H.** Interrelatōj inter la intelekto kaj la socialaj kondiĉoj nor vivado. *Stud. sc. laboro, Kurasiki*, 1924, 1: 391-582.—**Klineberg, O.** Regional differences in intelligence. In his *Social Psychol.*, N. Y., 1940, 253-9.—**Leahy, A. M.** Nature-nurture and intelligence. *Genet. Psychol. Monogr.*, 1935, 17: 235-308.—**Livesay, T. M.** The relation of test intelligence of high school seniors in Hawaii to the occupation of their fathers. *J. Appl. Psychol.*, 1941, 25: 369-77.—**McGehee, W.**, & **Lewis, W. D.** The socioeconomic status of the homes of mentally superior and retarded children and the occupational rank of their parents. *Psychol. Bull.*, 1941, 38: 695.—**McNemar, Q.** A critical examination of the University of Iowa studies of environmental influences upon the IQ. *Ibid.*, 1940, 37: 63-92.—**Maller, J. B.** Mental ability and its relation to physical health and social economic status. *Psychol. Clin., Phila.*, 1933, 22: 101-7.—**Moshinsky, P.** Social environment as a modifying factor in the correlation between maternal age and intelligence of offspring. *Milbank Mem. Fund Q.*, 1942, 20: 47-60.—**Nagge, J. W.** The effect of environment or nurture on the intelligence quotient. In his *Psychol. Child*, N. Y., 1942, 178-84.—**Neff, W. S.** Social problems and intelligence. *Psychol. League J.*, N. Y., 1938, 2: 29-33.—**Socioeconomic status and intelligence, a critical survey.** *Psychol. Bull.*, 1938, 35: 727-57.—**Oberlin, D. S.** Social background as a factor in the acquisition of general information. *Delaware M. J.*, 1941, 13: 133-5.—**Quelelet A.** Physique sociale, ou essai sur le développement des facultés de l'homme. *Bull. sc. hist. litt. Dép. Nord*, 1869, 1: 78-80.—**Reymert, M. L.**, & **Frings, J.** Children's intelligence in relation to occupation of father. *Am. J. Sociol.*, 1935-36, 41: 351-4.—**Roberts, J. A. F.** Observations on a representative group of children of school age, with an account of some family and social characteristics of the brightest, the average and the dullest. *Proc. Am. Ass. Ment. Defic.*, 1939, 63. Session, No. 2, 79-89.—**Saller, K.** Untersuchungen in Landgebieten Ost-

frieslands und des Bayrischen Waldes; Beitrag II zur Frage der Beziehungen zwischen Intelligenz, sozialer Schichtung und unterschiedlicher Volksvermehrung. *Zschr. Kinderforsch.*, 1933, 41: 369-410. — Ueber die Stellung der Hilfsschulkinder von Regensburg und Göttingen im sozialen Aufbau der übrigen Bevölkerung; Beitrag IV zur Frage der Beziehungen zwischen Intelligenz, sozialer Schichtung und unterschiedlicher Volksvermehrung. *Ibid.*, 1933-34, 42: 447-62.

— **Eugenische Erhebungen bei Landkindern; über unterschiedliche Schulleistungen im Zusammenhang mit der sozialen Schichtung bei den Landkindern.** *Ibid.*, 1934-35, 44: 180-90.—**Schwesinger, G. C.** I. Q.'s for sale, or are they, a review of the nature-nurture battle among the mental teasers. *J. Hered.*, 1941, 32: 103-7.—**Snygg, D.** The relation between the intelligence of mothers and of their children living in foster homes. *J. Genet. Psychol.*, 1938, 52: 401-6.—**Stevanovic, B. P.** Brightness and environments as factors in determining the age of intellectual maturity, as measured by tests. *Rapp. Congr. internat. psychol.*, (1937) 1938, 11. Congr., 469.—**Stroud, J. B.** A study of the relation of intelligence test scores of public school children to the economic status of their parents. *J. Genet. Psychol.*, 1928, 35: 105-11.—**Tharadike, E. L.**, & **Woodyard E.** Differences within and between communities in the intelligence of the children. *J. Educ. Psychol.*, 1942, 33: 641-56.—**Thorpe, L. P.** The influence of favorable opportunity upon intellectual status. In his *Psychol. Found. Person.*, N. Y., 1938, 127-75.—**Vermeulen, G.**, & **Audet, G.** Développement intellectuel et milieu. *J. belge neur. psychiat.*, 1935, 35: 121-6.—**Wallis, W. D.** Observations of Dr. Alice M. Leahy's nature-nurture and intelligence. *J. Genet. Psychol.*, 1936, 49: 315-24.—**Wells, F. L.** Intelligence and socialization. *Am. J. Psychiat.*, 1936-37, 93: 1265-91.—**Wolf, M.** Kleinkindertests an Wohlstandskindern. *Zschr. Kinderforsch.*, 1934-35, 44: 191-3.

Evaluation.

See also Examination; Intelligence quotient; Intelligence test.

Blonsky, P. P. Die Alkaleszenz des Speichels als Indikator für Intelligenz und psychische Spannung. *Psychol. & Med., Stuttg.*, 1929-30, 4: 22-6.—**Cook, S. W.** The judgment of intelligence from photographs. *J. Abnorm. Psychol.*, 1939, 34: 384-9.—**Corey, S. M.**, & **Fahey, G. L.** Inferring type of pupil mental activity from classroom questions asked. *J. Educ. Psychol.*, 1940, 31: 94-102.—**Ford, J.** The distribution of intelligence. In his *Social Deviat.*, N. Y., 1939, 91-4.—**Gurnee, H.** An analysis of the perception of intelligence in the face. *J. Social Psychol.*, 1934, 5: 82-90.—**Hubbard, R. M.** Intellectual ability of children studied by a Child Guidance Clinic. *J. Juven. Res.*, 1931, 15: 33-43.—**Jones, C. T.** Very bright and feeble-minded children, the study of qualitative differences. *Training School Bull.*, 1919-20, 16: 137; 153; 169.—**Piaggio, H. T. H.** Analysis of intelligence. *Nature, Lond.*, 1936, 137: 39.—**Rittershaus, E.** Zur Schätzung des Intelligenzalters. *Zschr. ges. Neur. Psychiat.*, 1924, 94: 387-91.—**Stern, W.** Intelligenzschätzungen durch den Lehrer. *Zschr. pädag. Psychol.*, 1917, 18: 198-206.—**Strong, E. K.** The learning curve as a diagnostic measure of intelligence. *Psychol. Bull.*, 1917, 14: 153.—**Thorndike, E. L.** The validity of age at entrance to college as a measure of intelligence. *J. Educ. Psychol.*, 1942, 33: 605-7.

Factors.

See also Diet, Effect, mental; Mental health, etc.

Freeman, F. S. Individual differences; the nature and causes of variations in intelligence and special abilities. 355p. 8°. Lond. [1934]

Thurstone, L. L., & **Thurstone, T. G.** Factorial studies of intelligence. 94p. 25cm. Chic. [1941]

Anastasi, A. The influence of specific experience upon mental organization. *Genet. Psychol. Monogr.*, 1936, 18: 245-355.—**Coffey, H. S.** A study of certain mental functions and their relation to changes in the intelligence of preschool children. *Univ. Iowa Doct. Diss.*, 1941, 2: 46-51 (Abstr.).—**Commins, W. D.** The intelligence of the later born. *School & Soc.*, 1927, 25: 488.—**Fialkin, H. N.**, & **Beckman, R. O.** The influence of month of birth on the intelligence test scores of adults. *J. Genet. Psychol.*, 1938, 52: 203-9.—**Finch, F. H.** Note on age of parent and intelligence of offspring. *Ibid.*, 1932, 40: 237-40.—**Fritz, M. F.** The effect of diet on intelligence and learning. *Psychol. Bull.*, 1935, 32: 355-63.—**Gray, S. W.** The relation of individual variability to intelligence. *Psychol. Bull.*, 1942, 39: 579.—**Hidreth, G.** Occupational status and intelligence. *Personnel J.*, 1934, 13: 153-7.—**Looff, C.** Les enfants printaniers et les enfants d'automne; leur évolution d'intelligence. *Acta psychiat.*, Upps., 1933-34, 15: 381-95.—**Meili, R.** Facteurs psychologiques et facteurs mathématiques. *Rapp. Congr. internat. psychol.*, (1937) 1938, 11. Congr., 262.—**Noble, M. A.** Factorial differentiation by maximal differences. *Stud. Psychol. Cath. Univ. America*, 1940, 4: No. 6, 1-40.—**Pintner, R.** Intelligence and month of birth. *J. Appl. Psychol.*, 1931, 15: 149-54.—**Forlano, G.** Season of birth and intelligence. *J. Genet. Psychol.*

1942, 61: 81-6.—Price, E. J. J. The nature of the practical factor. *F. Brit. J. Psychol.*, 1939-40, 30: 341-51. **Reyburn, H. A., & Taylor, J. G.** Some factors of intelligence. *Ibid.*, 1940, 31: 249-61.—**Roberts, J. A. F., Norman, R. M., & Griffiths, R.** Studies on a child population, intelligence and family size. *Ann. Eugen.*, Camb., 1937-38, 8: 178-215.—**Saer, D. J.** The effect of bilingualism on intelligence. *Brit. J. Psychol.*, 1923-24, 14: Sect. Gen., 25-38.—**Selz, O.** Versuche zur Hebung des Intelligenzniveaus, ein Beitrag zur Theorie der Intelligenz und ihrer erziehblichen Beeinflussung. *Zschr. Psychol. Physiol. Sinnesorg.*, 1. Abt., 1935, 134: 236-301.—**Steckel, M. L.** Intelligence and birth order in family. *J. Social Psychol.*, 1930, 1: 329-44.—**Sutherland, H. E. G., & Thomson, G. H.** The correlation between intelligence and size of family. *Brit. J. Psychol.*, 1926-27, 17: Sect. Gen., 81-92.—**Thurstone, L. L., Jenkins, R. L.** Birth order and intelligence. *J. Educ. Psychol.*, 1929, 20: 641-51.—**Wechsler, D.** Non-intellective factors in general intelligence. *J. Abnorm. Psychol.*, 1943, 38: 101-3.

— Factors: Central intellective factor(g)

Bartlett, M. S. The statistical estimation of g. *Brit. J. Psychol.*, 1935-36, 26: 199-206.—**Brown, W.** The mathematical and experimental evidence for the existence of a central intellective factor (g). *Ibid.*, 1932, 23: 171.—**Garnett, J. C. M.** The single general factor in dissimilar mental measurements. *Ibid.*, 1920, 10: 242-58.—**Irwin, J. O.** On the indeterminacy in the estimate of g. *Ibid.*, 1934-35, 25: 393.—**Pearson, K., & Moul, M.** The mathematics of intelligence, the sampling errors in the theory of a generalised factor. *Biometrika*, Camb., 1927-28, 19: 246-91.—**Pressey, S. L.** Minor studies from the Psychological Laboratory of Indiana University, a preliminary investigation of general prognosis; i. e., general intelligence. *J. Appl. Psychol.*, 1921-22, 5: 72-7.—**Wilson, J. H.** The exactness of 'g' as determined by certain intelligence tests. *Brit. J. Psychol.*, 1935-36, 26: 93-8.

— Heredity.

See also **Heredity, Mental traits; Occupation; Vocation.**

LAWRENCE, E. An investigation into the relation between intelligence and inheritance. 80p. 8°. Camb. [Eng.] 1931.

Bleuler, E. Vererbung erworbener psychischer Eigenschaften? *Wien. med. Wschr.*, 1934, 84: 765; 740.—**Bogen, H.** Vererbung des Berufs. *Med. Welt*, 1927, 1: 1575-9.—**Burks, B. S.** The status of heredity-environment studies on the development of human intelligence. *J. Hered.*, 1942, 33: 184-6.—**Tolman, R. S.** Is mental resemblance related to physical resemblance in sibling pairs? *J. Genet. Psychol.*, 1932, 40: 3-15.—**Burlingame, L. L.** Heredity and intelligence. In *his Hered. & Social Probl.*, N. Y., 1940, 141-74.—**Finch, F. H.** A study of the relation of age interval to degree of resemblance of siblings in intelligence. *J. Genet. Psychol.*, 1933, 43: 389-404.—**Häsel, A.** Blut ist Geist. *Zschr. Menschensk.*, 1935-36, 11: 10-15.—**Hogben, L. T.** Genetic variation and human intelligence. *Proc. Internat. Genet. Congr.* (1939) 1941, 7. Congr., 147-53.—**Hunt, H. R.** Intelligence as a Mendelian character; a suggestion concerning the mode of inheritance of mental ability. *J. Hered.*, 1926, 17: 53-8.—**Nagge, J. W.** The intelligence of siblings. In *his Psychol. Child*, N. Y., 1942, 170-4.—**Phillips, A.** Sibship: intelligence and behavior. *Psychol. Clin.*, 1931, 20: 97-115.—**Problema (Sul) dell'ereditarietà delle doti intellettuali.** *Minerva med.*, Tor., 1940, 31: pt 2, varia, 122-6 (microfilm).—**Roberts, J. A. F.** Resemblances in intelligence between sibs selected from a complete sample of an urban population. *Proc. Internat. Genet. Congr.* (1939) 1941, 7. Congr., 252.—**Studies on a child population, the resemblance in intelligence between sibs.** *Ann. Eugen.*, Camb., 1940, 10: 293-312.—**Southwick, W. E.** Sterilization policy, economic expediency and fundamental inheritance, with especial reference to the inheritance of the intelligence quotient. *J. Ment. Sc.*, Lond., 1939, 85: 707-18.

— low.

See also **Child, backward; Idiocy; Imbecillity; Mental deficiency.**

RICHER, C. L'homme stupide. 220p. 12° Par., 1919.

Lane, E. B., & Kinder, E. F. Relativism in the thinking of subnormal subjects as measured by certain of Piaget's tests. *J. Genet. Psychol.*, 1939, 54: 107-18.—**Rosanoff, A. J., Handy, L. M., & Plesset, I. R.** The etiology of mental deficiency with special reference to its occurrence in twins: a chapter in the genetic history of human intelligence. *Psychol. Monogr.*, Princeton, 1937, 48: 1-137.—**Rothbart, H. B.** Basal metabolism in children of normal and of subnormal intelligence with blood cholesterol and creatinine values. *Am. J. Dis. Child.*, 1935, 49: 673-88.—**Thompson, W. H.** A follow-up of 104 children excluded from special rooms because of low intelligence ratings. *Am. J. Ment. Defic.*, 1941-42, 46: 241-4.—**Thurstone, L. L.** The absolute zero in intelligence measurement. *Psychol. Rev.*, 1928, 35: 175-97.

— Medical aspect.

DAWSON, S., & CONN, J. C. M. Intelligence and disease. 8°. Lond., 1931.

LORAND, A. Die menschliche Intelligenz und ihre Steigerung durch hygienische und therapeutische Massnahmen. 413p. 22½ cm. Lpz., 1914.

Broch, O. J., & Natvig, H. En sosialhygienisk undersøkelse av høit og svakt begavete barn. *Nord. med.*, 1941, 10: 1749 (Abstr.) **Dispensa, J., & Hornbeck, R. T.** Can intelligence be improved by prenatal endocrine therapy? *J. Psychol.*, Provincet., 1941, 12: 209-24. — Can intelligence be improved by endocrine therapy before fertilization. *Ibid.*, 1942, 14: 235-44.—**England, N. J.** The relation between health and intelligence in school children. *J. Hyg.*, Camb., 1936, 36: 74-94.

— national.

CATTELL, R. B. The fight for our national intelligence. 166p. 22½ cm. Lond., 1937.

Byrns, R. Intelligence and nationality of Wisconsin school children. *J. Social Psychol.*, 1936, 7: 455-70.—**Cattell, R. B.** Is national intelligence declining? *Eugen. Rev.*, Lond., 1936-37, 28: 181-203.—**Hankins, F. H.** Is our innate national intelligence declining? *Am. J. Ment. Defic.*, 1942-43, 47: 25-31.—**Hexter, M. B., & Myerson, A.** 13.77 versus 12.05, a study in probable error; a critical discussion of Bringham's American intelligence. *Ment. Hyg.*, Alb., 1924, 8: 69-82.—**Idenburg, P. J.** Intelligenzverhältnisse in den Niederlanden. *Allg. statist. Arch.*, 1934-35, 24: 435-44.—Is the average American a child mentally? *Good Health*, 1934, 69: No. 6, 6-8.—**Kloos, G.** Zur Intelligenzprüfung der Landbevölkerung. *Oeff. Gesundheitsdienst*, 1941-42, 7: A, 46-9.—**Liber, B.** Preventive medicine; how intelligent are American high school and college girls; a cross section of a girl's thinking. *N. State York J. M.*, 1938, 38: 449-51.—**Thorndike, R. L., & Gallup, G. H.** Verbal intelligence of the American adult. *Psychol. Bull.*, 1942, 39: 470 (Abstr.)—**Van de Water, M.** How old is America mentally? education expert challenges idea that we are nation of 12-years-old but psychologists find figure not far wrong. *Science News Lett.*, 1934, 25: 294.

— Racial aspect.

Bean, K. L. Negro responses to certain intelligence test items. *J. Psychol.*, Provincet., 1941, 12: 191-8.—**Beckham, A. S.** A study of the intelligence of colored adolescents of different social-economic status in typical metropolitan areas. *J. Social Psychol.*, 1933, 4: 70-91.—**Brown, A. W., & Cotton, C. B.** A study of the intelligence of Italian and Polish school children from deteriorated and non-deteriorated areas of Chicago as measured by the Chicago non-verbal examination. *Child Develop.*, 1941, 12: 21-30.—**Bruce, M.** Factors affecting intelligence test performance of whites and Negroes in the rural South. *Arch. Psychol.*, N. Y., 1940, No. 252, 1-99.—**Bykowski, L. J.** Untersuchung des intellektuellen Niveaus der arischen und jüdischen Schüler in den polnischen Gymnasien. *Zschr. pädag. Psychol.*, 1935, 36: 38-40.—**Canady, H. G.** Brief reports on mental testing, sex differences in intelligence among Negro college freshmen. *J. Appl. Psychol.*, 1938, 22: 437-9.—**Cipriani, L.** Razza e mentalità (a proposito dell'incrocio cogli Africani) *Rass. internaz. clin. ter.*, 1936, 17: 584-90.—**Cook, P. H.** The application of the Rorschach test to a Samoan group. *Rorschach Res. Exch.*, 1942, 6: 51-60.—**Curti, M. W., & Sieggerda, M.** A preliminary report on the testing of young Maya children in Yucatan. *J. Comp. Psychol.*, 1939, 28: 207-23, incl. 2 pl.—**Ehrhardt, A., & Klemm, O.** Rasse und Leistung auf Grund von Erfahrungen im Felde der Eignungsuntersuchung. *Zschr. angew. Psychol.*, 1937, 53: 1-18.—**Estabrooks, G. H.** A proposed technique for the investigation of racial differences in intelligence. *Am. Natur.*, 1928, 62: 76-87. — The enigma of racial intelligence. *J. Genet. Psychol.*, 1928, 35: 137-9.—**Fukuda, T.** Minor studies from the psychological laboratory of Northwestern University, some data on the intelligence of Japanese children. *Am. J. Psychol.*, 1923, 34: 599-602.—**Garth, T. R., Schuelke, N., & Abell, W.** The intelligence of mixed blood Indians. *Psychol. Bull.*, 1927, 24: 179.—**Garth, T. R., & Johnson, H. D.** The intelligence and achievement of Mexican children in the United States. *J. Abnorm. Psychol.*, 1934, 29: 222-9.—**Garth, T. R., Elson, T. H., & Morton, M. M.** The administration of non-language intelligence tests to Mexicans. *Ibid.*, 1936-37, 31: 53-8.—**Goodenough, F. L.** Racial differences in the intelligence of school children. *J. Exp. Psychol.*, 1926, 9: 388-97.—**Grobiz, H. E.** Aus Untersuchungen in einer gehobenen Durchschnittsbevölkerung: Krankheits- und Begabungsprognose für die Kinder einer Bevölkerungsanalyse. *Zschr. ges. Neur. Psychiat.*, 1939, 165: 112-9.—**Herskovits, M. J.** On the relation between negro-white mixture and standing in intelligence tests. *Pedag. Semin.*, Worcester, 1926, 33: 30-42.—**Hofstätter, P. R.** Testuntersuchungen an japanischen Kindern und das Reifungsproblem. *Zschr. Kinderforsch.*, 1936-37, 46: 71-112.—**Hu, P. C.** A study of the intelligence of Anglo-Chinese children. *Eugen. Rev.*, Lond., 1938-39, 30: 109-16.—**Klineberg, O.** Testing racial intelligence. In *his Social Psychol.*, N. Y., 1940, 297-303.—**Livesay,**

T. M. Intelligence of high-school seniors in Hawaii. *J. Educ. Psychol.*, 1941, 32: 377-80. ———. Racial comparisons in test-intelligence. *Am. J. Psychol.*, 1942, 55: 90-5. —Mead, M. Group intelligence tests and linguistic disability among Italian children. *School & Soc.*, 1927, 25: 465-8. —Peterson, J., Lanier, L. H., & Walker, H. M. Comparisons of white and Negro children in certain ingenuity and speed tests. *J. Comp. Psychol.*, 1925, 5: 271-83. —Requard, F. Rassistisch-völkische Gegebenheit und exakte Naturwissenschaft. *Zschr. ges. Naturwiss.*, 1937, 3: 193-201. —Rohrer, J. H. The test intelligence of Osage Indians. *J. Social Psychol.*, 1942, 16: 99-105. —Rowe, E. C. Five hundred forty-seven white and 268 Indian children tested by the Binet-Simon tests. *Pedag. Semin.*, Worcester, 1914, 21: 451-68. —Saller, K. Ueber Intelligenzunterschiede der Rassen Deutschlands. *Eugenik*, Berl., 1931-32, 2: 220-5. —Sandiford, P., & Kerr, R. Intelligence of Chinese and Japanese children. *J. Educ. Psychol.*, 1926, 17: 361-7. —Schachtel, A. H., Henry, J., & Henry, Z. Rorschach analysis of Pilagá Indian children. *Am. J. Orthopsychiat.*, 1942, 12: 679-712. —Smith, M. Racial origins of eminent personages. *J. Abnorm. Psychol.*, 1937-38, 32: 63-73. ———. Language and non-verbal test performance of racial groups in Honolulu before and after a 14-year interval. *J. Gen. Psychol.*, 1942, 26: 51-93. —Symonds, P. M. The significance of intelligence tests in the University of Hawaii. *School & Soc.*, 1924, 20: 601-6. —Wheeler, L. R. The intelligence of east Tennessee mountain children. *J. Educ. Psychol.*, 1932, 23: 351-70. ———. A comparative study of the intelligence of East Tennessee mountain children. *Ibid.*, 1942, 33: 321-34. —Witty, P., & Garfield, S. Trends in discussions of intelligence; race differences. *Ibid.*, 584-94.

Sexual aspect.

Davis, E. A. The mental and linguistic superiority of only girls. *Child Develop.*, 1937, 8: 139-43. —Jastrow, J. Intelligence: men vs. women. In *his Getting More Out of Life*, N. Y., 1940, 54-60. —Kamat, V. V. Sex differences among Indian children in the Binet-Simon tests. *Brit. J. Educ. Psychol.*, 1939, 9: 251-6. —Leven, D. Die Rolle des Geschlechts bei der Vererbung geistiger Eigenschaften. *Med. Welt*, 1929, 3: 1162. —Rosanoff, A. J., Handy, L. M. [et al.] Sex factors in intelligence. *J. Nerv. Ment. Dis.*, 1934, 80: 125-37. —Sarey, I. A. Intelligenza do homem e da mulher. *Impr. med.*, Rio, 1941, 17: No. 334, 124. —Sex differences in status and gain in intelligence scores from 13 to 18 by the staff of the division of psychology of the Institute of Educational Research, Teachers College, Columbia University. *Pedag. Semin.*, Worcester, 1936, 33: 167-81.

superior.

See also Genius.

Cohler, M. J. A comparative study of achievers and non-achievers of superior intelligence. *Summaries Doct. Diss.*, Northwestern Univ., Chic., 1940, 8: 74-9. ———. Scholastic status of achievers and non-achievers of superior intelligence. *J. Educ. Psychol.*, 1941, 32: 603-10. —Del Greco, F. Superiore intelligenza ed anormalità morale. *Riv. psico. appl.*, 1914, 10: 278-99. —Jenkins, M. D. Case studies of Negro children of Binet IQ at or above 160. *Psychol. Bull.*, 1942, 39: 472 (Abstr.). —Kloos, G. Erbologie der Hochbegabung. *Münd. med. Wschr.*, 1941, 88: 529-31 (microfilm). —Pelletier, M. Comment définir la supériorité intellectuelle. *Méd. mod.*, Par., 1907, 18: 303. —Test (A) for supermen. *J. Hered.*, 1918, 9: 42-4. —Visser, S. S. Ecology of American notables. *Human Biol.*, 1929, 1: 544-54. ———. Where our notables came from. *Sc. Month.*, N. Y., 1937, 45: 172-7. —Wells, F. L. Psychometric practice in adults of superior intelligence. *Am. J. Orthopsychiat.*, 1935, 5: 286; 1936, 6: 362; 1938, 8: 79. —Some functions of mental measurement in the young superior adult. *J. Consult. Psychol.*, 1941, 5: 105-10. ——— & Hylan, N. W. Psychometric practice in adults of superior intelligence. *Am. J. Orthopsychiat.*, 1936, 6: 362-75. —Wells, F. L., Williams, R., & Fowler, P. One hundred superior men. *J. Appl. Psychol.*, 1938, 22: 367-84.

Test.

See Intelligence test.

Theory.

CRILE, G. [W.] Intelligence, power and personality. 347p. 23½ cm. N. Y. [1941]
LEE, V. pseud. [i. e. VIOLET PAGET] Proteus; or, The future of intelligence. 63p. 16° N. Y. [1925]
RICHER, C. L'intelligence et l'homme; études de psychologie et de physiologie. 376p. 8° Par., 1927.
ROBIE, T. R. The conservation of intelligence. 25p. 20½ cm. Montclair, 1940.
Babcock, H. The level-efficiency theory of intelligence. *J. Psychol.*, Provincet., 1941, 11: 261-70. —Black, C. Note on the nature of intelligence. *Brit. J. Psychol.*, 1928, 18: Sect. Gen., 451-4. —Boda, E. La structure intellectuelle et le

développement mental, contribution nouvelle à une théorie structurelle de l'intelligence. *Rapp. Congr. internat. psychol.* (1937) 1938, 11. Congr., 343. —Campion, G. G. The organic growth of the concept as one of the factors in intelligence. *Brit. J. Psychol.*, 1928, 19: Sect. Gen., 60-4. —Carré, J. B. De la vraie et de la fausse intelligence. *J. psych. norm. path.*, Par., 1936, 33: 569-83. —Claremont, C. A. The problem of intelligence, some further considerations. *Psyche*, Lond., 1926, 7: 59-72. —Dessagne, L. Essai de représentation concrète du processus physiologique de l'intelligence. *Rev. philos. France*, 1938, 63: 129-60. —Dulsky, S. G. A functional concept of intelligence, comments on our changing concept of intelligence, by Beth L. Wellman. *J. Educ. Psychol.*, 1940, 31: 641-52. —Economo, C. Ueber progressive Cerebration und über die Erforschung der anatomischen Grundlagen der Begabungen. *Wien. klin. Wschr.*, 1931, 44: 597-602. —Edwards, A. S. Intelligence as the capacity for variability or versatility of response. *Psychol. Rev.*, 1928, 35: 198-210. —Ehrenstein, W. Prinzipielles über Intelligenz. *Zschr. Psychol. Physiol. Sinnesorg.*, 1. Abt., 1932, 124: 291-330. —Grandi (Le) scoperte sull'intelligenza. *Minerva med.*, Tor., 1940, 31: pt 2, varia, 352-4 (microfilm). —Gruu, M. Empirisch-experimentelle Beiträge zur Psychologie der mathematischen und sprachlichen Begabung. *Arch. ges. Psychol.*, 1937, 99: 80-128. —Gray, J. S. A behavioristic interpretation of intelligence. *Psychol. Rev.*, 1932, 39: 271-8. —Hamilton, J. A. Intelligence and the human brain. *Ibid.*, 1936, 43: 308-21. —Holmes, S. J. Natural selection in man, and the evolution of human intelligence. *Eugen. Rev.*, Lond., 1930-31, 22: 7-18. —Honnacker, A. Untersuchungen zum Begriff der praktischen und theoretischen Intelligenz unter dem Gesichtspunkte der Berufszuführung. *Arch. ges. Psychol.*, 1930, 74: 97-134, 3 ol. —Lahy, J. M. L'intelligence et les classes sociales; essai d'une définition objective de l'intelligence. *J. psychol. norm. path.*, Par., 1935, 32: 543-601. —Marum, O. Analyse des Verstandes und seiner Bedingungen. *Arch. ges. Psychol.*, 1936, 95: 99-119. —Moore, T. V. The synthetic sense and intelligence. *Rep. Brit. Ass. Advance. Sc.*, 1937, 107: 413. —Also *Psychol. Rev.*, 1938, 45: 219-27. —Norris, O. O. A behaviorist account of intelligence. *J. Philos.*, 1928, 25: 701-14. —Piaget, J. Le problème de l'intelligence et de l'habitude, réflexe conditionné, Gestalt ou assimilation. *Rapo. Congr. internat. psychol.* (1937) 1938, 11. Congr., 170-83. ———. Le mécanisme du développement mental et les lois du groupement des opérations, esquisse d'une théorie opératoire de l'intelligence. *Arch. psychol.*, Genève, 1940-41, 28: 215-85. —Piéron, H. The problem of intelligence. *Pedag. Semin.*, Worcester, 1926, 33: 50-60. ———. Theoretical and practical aspects of intelligence. *Brit. J. Psychol.*, 1932, 22: 353-8. —Podolsky, E. Psychoanalytical views of intelligence. *Psychoanal. Rev.*, 1941, 28: 359-62. —Reichner, H. Experimentelle und kritische Beiträge zur Psychologie des Verstandes. *Zschr. Psychol. Physiol. Sinnesorg.*, 1. Abt., 1927, 104: 1-61. —Reid, J. R. The apotheosis of intelligence. *J. Philos.*, 1935, 32: 375-85. —Revault D'Allonnes, G. Remarques sur l'intelligence. *J. psychol. norm. path.*, Par., 1934, 31: 27-87. —Sausure, R. de. Zur psychoanalytischen Auffassung der Intelligenz. *Imago*, Wien, 1926, 12: 238-48. —Schäfer, R. C. Spearman's theoretisch-psychologisches Werk: The nature of intelligence and the principles of cognition, in kritischer Beleuchtung. *Arch. ges. Psychol.*, 1934, 92: 289-314. —Spearman, C. Manifest sub-theories of the two factors. *Psychol. Rev.*, 1920, 27: 159-72. ———. Our need of some science in place of the word intelligence. *J. Educ. Psychol.*, 1931, 22: 401-10. —Stern, W. Zur Theorie der Intelligenz. *Zschr. pädag. Psychol.*, 1928, 29: 1-10. —Stoddard, G. D. On the meaning of intelligence. *Psychol. Rev.*, 1941, 48: 259-60. —Sziman, S. [On intelligence] Nowiny lek., Poznań, 1912, 24: 577-82. —Thorpe, L. P. The nature and origin of intelligence. In *his Psychol. Found. Person.*, N. Y., 1938, 81-126. —Tinker, M. A. Speed in intelligence. *J. Appl. Psychol.*, 1934, 18: 189-96. —Wahlén, A. [Conception of intelligence] *Sven. läk. tidn.*, 1938, 35: 1771-89. —Wellman, B. L. Our changing concept of intelligence. *J. Consult. Psychol.*, 1938, 2: 97-107. —Wenzl, A. Leitlinien einer Begabungslehre. *Ber. Deut. Ges. Psychol.* (1933) 1934, 13. Kongr., 182-4. —Wilson, E. B. On the invariance of general intelligence. *Proc. Nat. Acad. Sc. U. S.*, 1933, 19: 768-72. —Wilson, J. H. The nature of intelligence. *J. Educ. Psychol.*, 1931, 22: 20-34. —Wintch, J. Définition de l'intelligence. *Rev. méd. Suisse rom.*, 1937, 57: 86-109. —Wrenn, C. G., Ferguson, L. W., & Kennedy, J. L. Intelligence level and personality. *J. Social Psychol.*, 1936, 7: 301-8.

Type and grade.

See also Cognition; Ideation; Learning; Skill.

ALEXANDER, W. P. Intelligence, concrete and abstract; a study in differential traits. 177p. 8° Cambr., Eng., 1935.

Beyer, A. Natürliche Intelligenz. *Psychiat. neur. Wschr.*, 1926, 28: 163-7. —Böge, K. Eine Untersuchung über praktische Intelligenz. *Zschr. angew. Psychol.*, 1927, 28: 85-139. —Carter, H. D. The organization of mechanical intelligence. *J. Genet. Psychol.*, 1928, 35: 270-85. —Déria, W. Deux types d'intelligence. *Arch. psychol.*, Genève, 1929-30, 22: 1-50. —De Voss, J. C. The unevenness of the abilities of gifted children in California. *Abstr. Diss. Stanford Univ.*, 1924-26, 1:

20-5.—**Gopalaswami, M.** Intelligence in motor learning. *Brit. J. Psychol.*, 1923-24, 14: Sect. Gen., 274-90.—**Hermann, I.** Qualitative Unterschiede des Denkens und die Intelligenz. *Psychol. & Med.*, Stuttgart, 1926-27, 2: 205-9.—**Lunk, G.** Ueber Intelligenzstufen. *Zschr. pädag. Psychol.*, 1929, 30: 347; 197.—**McFarlane, M.** A study of practical ability. *Brit. J. Psychol.*, 1925, No. 8, Monogr. Suppl., 1-75, 2 pl.—**Meili, R.** Recherches sur les formes d'intelligence. *Arch. psychol.*, Genève, 1929-30, 22: 201-84.—**Mira, E.** Pruebas para la determinación de los tipos de inteligencia en los niños. *Arch. neurob.*, Madr., 1927, 7: 3-37.—**Myers, G. C.** Intelligence classification and mental hygiene. *Pedag. Semin.*, Worcester, 1921, 28: 156-60.—**Shepherd, W. T.** Tests on adaptive intelligence in dogs and cats, as compared with adaptive intelligence in monkeys. *Psychol. Bull.*, 1914, 11: 57.

— in animals.

See also **Animals, Psychology**; also under names of animals.

Adams, D. K. Recherches sur la comparaison successive avec grandes différences chez les rats. *J. psychol. norm. path.*, Par., 1937, 34: 532-53.—**Alverdes, F.** Die Marburger Untersuchungen über das Lernvermögen niederer Tiere. *Verh. Deut. Zool. Ges.*, 1938, 40: 37-47.—**Bierens de Haan, J. A.** Du degré d'intelligence chez les animaux et de leur place dans le système zoologique. *J. psychol. norm. path.*, Par., 1937, 34: 353-75.—**Bonnie, the clever dog**, answers to question in letters. *Vet. J.*, Lond., 1939, 95: 202-4.—**Bornstedt, C. von.** Denkende Tiere? *Münch. tierärztl. Wschr.*, 1934, 85: 42.—**Buytendijk, F. J. J., Fischel, W., & Ter Laag, P. B.** Ueber die Zieleinstellung von Ratten und Hunden. *Arch. néerl. physiol.*, 1936, 20: 446-66.—**Fabrice, M.** L'intelligence des animaux. *Rev. cosmobiol.*, Nice, 1937-38, 3: 217-29.—**Frenzel, W.** Die denkenden Hunde von Weimar. *Umschau*, 1934, 38: 505-8.—**Freitag-Löringhoven, M. von, Müller, M., & Pressler, E.** Und die Tiere denken doch! *Ibid.*, 1933, 7.—**Guillaume, P., & Meyerson, I.** Recherches sur l'intelligence des singes. *J. psychol. norm. path.*, Par., 1931, 2: 92; 177; 481, 2 pl.—**Harlow, H. F., & Settlage, P. H.** Capacity of monkeys to solve patterned string tests. *J. Comp. Psychol.*, 1934, 18: 423-35.—**Hooton, E.** Chimpanzee intelligence. In his *Man's Poor Relations*, N. Y., 1942, 50-5.—**The orang-utan; intelligence.** *Ibid.*, 131-6.—**The gibbon; intelligence.** *Ibid.*, 168-72.—**The rhesus monkey and other macaques; intelligence.** *Ibid.*, 216-20.—**Cebus monkey, intelligence.** *Ibid.*, 257-60.—**Humphrey, E. S.** Mental tests for shepherd dogs. *J. Hered.*, 1934, 25: 129-36.—**Köhler, W.** Intelligence in apes. *Pedag. Semin.*, Worcester, 1925, 32: 674-90.—**Kohts, N.** Recherches sur l'intelligence du chimpanzé par la méthode de choix d'après modèle. *J. psychol. norm. path.*, Par., 1928, 25: 255-75.—**Kramer, G.** Ueber den klugen Weimarer Hund. *Zool. Anz.*, 1931, 96: 317-20.—**Lashley, K. S.** Studies of Simian intelligence from the University of Liège. *Psychol. Bull.*, 1940, 37: 237-48.—**McDougall, W., & McDougall, K. D.** Notes on instinct and intelligence in rats and cats. *J. Comp. Psychol.*, 1927, 7: 145-75.—**Maier, N. R. F.** Age and intelligence in rats. *Ibid.*, 1932, 13: 1-6.—**Marees van Swinderen, J. W. de** [Instinct and intelligence of solitary wasps] *Ned. tscr. geneesk.*, 1928, 72: pt 1, 3088.—**Müller, M.** Das Rechnen und Zahlsprechen geschulter Tiere als Ausdruck von Verstand und Vernunft. *Münch. tierärztl. Wschr.*, 1936, 87: 589-94.—**Können Tiere Gedanken lesen?** *Berl. tierärztl. Wschr.*, 1941, 42.—**Nissen, H. W., & Taylor, F. V.** Delayed alternation to nonpositional cues in chimpanzee. *J. Psychol.*, Provincet., 1939, 7: 323-32.—**Pollog, C. H.** Zur Frage der Intelligenz und Gedankenübertragung bei Katzen. *Umschau*, 1936, 40: 981-3.—**Sarris, E. G.** Die Befähigung des Hundes. *Ibid.*, 1934, 38: 106-10.—**Shepherd, W. T.** Tests on adaptive intelligence in dogs and cats, as compared with adaptive intelligence in Rhesus monkeys. *Am. J. Psychol.*, 1915, 26: 211-6.—**Trueblood, C. K., & Smith, K. U.** String-pulling behavior of the cat. *J. Genet. Psychol.*, 1934, 44: 414-27.—**Verlaine, L.** Un film sur l'intelligence du macaque. *Ann. physiol.*, Par., 1933, 9: 987-91.—**L'instinct et l'intelligence chez les hyménoptères.** *J. psychol. norm. path.*, Par., 1934, 31: 396-407.—**Les facultés de synthèse chez les animaux.** *Scientia*, Bologna, 1939, 65: 262-72.—**Warden, C. J., Koch, A. M., & Fjeld, H. A.** Solution of patterned string problems by monkeys. *J. Genet. Psychol.*, 1940, 56: 283-95.—**Watson, A. T.** A case of apparent intelligence exhibited by a marine tube-building worm *Terebella conchilega*. *J. R. Micr. Soc.*, Lond., 1916, pt 3, 253-6.—**Weinstein, B.** Stanford-Binet intelligence test type performance by a rhesus monkey. *Psychol. Bull.*, 1942, 39: 471 (Abstr.)—**Winslow, C. N.** The behavior of cats on several problems in association. *J. Genet. Psychol.*, 1936, 48: 137-48.—**Yerkes, R. M., & Spragg, S. D. S.** Le mesure du comportement adapté chez les chimpanzés. *J. psychol. norm. path.*, Par., 1937, 34: 449-74.

INTELLIGENCE quotient.

See also **Intelligence test**.

Ackerson, L. Chronological age and intelligence (IQ) in his Child. *Behav. Probl.*, Chic., 1942, 2: 126-34.—**Adams, F. J.** College degrees and elementary-school intelligence quotients. *J. Educ. Psychol.*, 1940, 31: 369-8.—**Boynton, P. L., & Herbert, K. G.** Correlation analyses of the influence

of basal chronological age on IQ relationships to specified anthropometric measurements. *Human Biol.*, 1912, 14: 527-31.—**Boy's IQ increases 50 points in 11 years.** *Science News Lett.*, 1938, 34: 101.—**Bradway, K. P.** An experimental study of factors associated with Stanford-Binet IQ changes from the preschool to the junior high school level. *Abstr. Diss. Stanford Univ.* (1941-42) 1942, 17: 130-2.—**Brooks, F. D.** The accuracy of intelligence quotients from pairs of group tests in the junior high school. *J. Educ. Psychol.*, 1927, 18: 173-86.—**Cornell, E. L.** Taking the dogma out of the I. Q. *Ment. Hyg.*, Alb., 1927, 11: 804-10.—**Doll, E. A.** Note on the intelligence quotient. *Training School Bull.*, 1916-17, 13: 36-41.—**Feinberg, H.** Intelligence quotient correlated with educational quotient. *J. Educ. Psychol.*, 1941, 32: 617-23.—**Fox, E. J.** An investigation of the effect of glandular therapy on the intelligence quotient. *Ment. Hyg.*, Alb., 1928, 12: 90-102.—**Irwin, O. C.** Can infants have IQ's? *Psychol. Rev.*, 1942, 49: 69-79.—**Jenkins, R. L.** The prediction of the intelligence quotients of younger siblings. *J. Genet. Psychol.*, 1933, 42: 460-4.—**Considerations relative to the selection of an index of intelligence.** *J. Educ. Psychol.*, 1940, 31: 527-40.—**Katz, E.** The relationship of IQ to height and weight from 3 to 5 years. *J. Genet. Psychol.*, 1940, 57: 65-82.—**Lentz, T., Jr.** Relation of IQ to size of family. *Birth Control Rev.*, 1929, 13: 10-2.—**McNemar, Q.** More of the Iowa IQ studies. *J. Psychol.*, Provincet., 1940, 10: 237-40.—**Mateer, F.** Pituitary acceleration of I. Q's. *Psychol. Bull.*, 1934, 31: 686.—**Maxfield, F. N.** Substitutes for the I. Q. *Proc. Am. Ass. Ment. Defic.*, 1935, 59, Session, 147-56.—**Mellone, M. A.** An investigation into the relationship between reading ability and I. Q. as measured by a verbal group intelligence test. *Brit. J. Educ. Psychol.*, 1942, 12: 128-35.—**O'Neill, H. O.** Variations in the intelligence quotient of 105 children. *Child Develop.*, 1937, 8: 357-63.—**Peterson, J.** The growth of intelligence and the intelligence quotient. *J. Educ. Psychol.*, 1921, 21: 148-54.—**Prentice, D.** Percentiles for intelligence. *Lancet*, Lond., 1942, 1: 335.—**Removal of tenth of brain leaves patient with higher IQ.** *Science News Lett.*, 1939, 36: 237.—**Rösigen, P.** Eine verbesserte Berechnung des Intelligenzquotienten. *Zschr. angew. Psychol.*, 1927, 28: 478-90.—**Rubin-Rabson, G.** Intelligence quotient. *Hygeia, Chic.*, 1941, 19: 38-40.—**Schmehl, A. C.** Concerning intelligence quotients. *Ment. Hyg.*, Alb., 1938-39, 9: No. 9, 1.—**Intelligence quotients.** *J. School Health*, 1939, 9: 174.—**Slater, P.** Percentiles for intelligence quotients. *Lancet*, Lond., 1942, 1: 101.—**Stafford, J.** Health IQ rates high in tests at New York Fair. *Science News Lett.*, 1940, 37: 150.—**Sutherland, H. E. G.** The relationship between IQ and size of family. *J. Educ. Psychol.*, 1929, 20: 81-90.—**The relationship between I. Q. and size of family in the case of fatherless children.** *J. Genet. Psychol.*, 1930, 38: 161-70.—**Terman, L. M.** Mental growth and the I. Q. *J. Educ. Psychol.*, 1921, 12: 325; 401.—**Thorndike, E. L., Woodyard, E., & Weingart, L.** The relation between a person's intelligence quotient and his rate of progress in school. *Ibid.*, 1942, 33: 221-4.—**Williams, A. J.** Age-grade distribution and intelligence quotient (discussion). *Ibid.*, 1920, 11: 39-44.—**Wilson, F. T., & Flemming, C. W.** Correlations of chronological age, mental age, and intelligence quotient with other abilities and traits in grade I. *J. Genet. Psychol.*, 1937, 50: 323-37.—**Wullen, H. v. H.** Decreasing intelligence quotient. *Eugen. News*, 1938, 23: 117.—**Yerkes, R. M., & Wood, L.** Methods of expressing results of measurements of intelligence; coefficient of intelligence. *J. Educ. Psychol.*, 1916, 7: 593-606. Also *Bull. Massachusetts Comm. Ment. Dis.*, 1917, 1: 98-115.

— Constancy.

Baldwin, B. T., & Stecher, L. I. The fluctuations of the I. Q. of normal and superior children at successive examinations. *Psychol. Bull.*, 1921, 18: 99.—**Bellak, L.** A possible dynamic explanation of variability in the I. Q. *J. Abnorm. Psychol.*, 1941, 36: 105-9.—**Brown, R. R.** The time interval between test and re-test in its relation to the constancy of the intelligence quotient. *J. Educ. Psychol.*, 1933, 24: 81-96.—**Cattell, R. B.** Some changes in social life in a community with a falling intelligence quotient. *Brit. J. Psychol.*, 1937-38, 28: 430-50.—**Davenport, C. B., & Minogue, B. M.** The intelligence quotient and the physical quotient; their fluctuation and intercorrelation. *Human Biol.*, 1930, 2: 473-507.—**English, H. B., & Killian, C. D.** The constancy of the I. Q. at different age levels. *J. Consult. Psychol.*, 1939, 3: 30-2.—**Gengerelli, J. A.** The stability of the IQ. *Am. J. Psychol.*, 1940, 53: 610-4.—**Hoakley, Z. P.** A comparison of the personal constant and the intelligence quotient. *Proc. Am. Ass. Ment. Defic.*, 1935, 59, Session, 403-20, 2 ch.—**Hurlock, E. D.** The effect of incentives upon the constancy of the I. Q. *Pedag. Semin.*, Worcester, 1925, 32: 422-34.—**Karpinska-Woyczynska, L.** Ein Beitrag zur Frage der Konstanz des Intelligenzquotienten. *Zschr. angew. Psychol.*, 1929, 33: 405-13.—**Kephart, N. C., & Strauss, A. A.** A clinical factor influencing variations in IQ. *Am. J. Orthopsychiat.*, 1940, 10: 343-50.—**Lowell, F. E.** A study of the variability of IQ's in retests. *J. Appl. Psychol.*, 1941, 25: 341-56.—**McRae, H.** The inconstancy of group test I. Q's. *Brit. J. Educ. Psychol.*, 1942, 12: 59-70.—**Nagge, J. W.** The problem of the constancy of the intelligence quotient. In his *Psychol. Child*, N. Y., 1942, 174-7.—**Nemzek, C. L.** The constancy of the I. Q. *Psychol. Bull.*, 1933, 30: 143-68.—**Poull, L. E.** Constancy of I. Q. in mental defectives, according to the Stanford-revision

of Binet tests. *J. Educ. Psychol.*, 1921, 12: 323.—**Root, W. T.** Two cases showing marked change in I. Q. *J. Appl. Psychol.*, 1921, 5: 156-8.—**Rosenow, C.** The stability of the intelligence quotient. *J. Delinq.*, 1920, 5: 160-73.—**Simpson, B. R.** The wandering IQ, is it time for it to settle down? *J. Psychol.*, Provincet., 1939, 7: 351-67. — The wandering IQ, a continuation. *Ibid.*, 1940, 9: 31-48.—**Thorndike, R. L.** The effect of the interval between test and retest on the constancy of the IQ. *J. Educ. Psychol.*, 1933, 24: 543-9. — Constancy of the IQ. *Psychol. Bull.*, 1940, 37: 167-86.—**Woodall, C. S.** Analysis of I. Q. variability. *Proc. Am. Ass. Study Feeble-minded*, 1931, 55. Session, 247-66.

Interpretation.

Doll, E. A. Inproper use of the I. Q. *J. Delinq.*, 1920, 5: 67-70.—**Freeman, F. N.** The interpretation and application of the intelligence quotient. *J. Educ. Psychol.*, 1921, 12: 3-13.—**Goldstein, N. N.** The I. Q. in clinical practice. *Delaware M. J.*, 1941, 13: 135-8.—**Jackson, R. W. B.** Some pitfalls in the statistical analysis of data expressed in the form of IQ scores. *J. Educ. Psychol.*, 1940, 31: 677-85.—**Keyes, B. L.** Significance of the intelligence quotient. *Pennsylvania M. J.*, 1934-35, 38: 182-5.—**Lurie, L. A., Rosenthal, F. M., & Outcalt, L. C.** Diagnostic and prognostic significance of the differences between the intelligence quotient and the social quotient. *Am. J. Orthopsychiat.*, 1942, 12: 104-14.—**Mateer, F.** The diagnostic fallibility of intelligence ratios. *Pedag. Semin.*, Worcester, 1918, 25: 369-92.—**Ruml, B.** Coefficients of diagnostic value. *J. Philos.*, 1917, 14: 633-7.—**Toops, H. A., & Symonds, P. W.** What shall we expect of the AQ? *J. Educ. Psychol.*, 1923, 14: 27-38.—**Wellman, B. L.** Some new bases for interpretation of the IQ. *J. Genet. Psychol.*, 1932, 41: 116-26.

INTELLIGENCE test.

See also *Intelligence, Evaluation; Intelligence quotient; Mental test.*

BAILOR, E. M. *Content and form in tests of intelligence [Columbia Univ.] 74p. 8°. N. Y., 1924.

BOYNTON, P. L. Intelligence; its manifestations and measurement. 466p. 8°. N. Y. [1933]

GUÉRIX, J. *Etude sur les tests d'intelligence, de caractère et d'aptitude professionnelle. 48p. 8°. Par., 1935.

Hsuan Shan Chen. *The comparative coachability of certain types of intelligence tests [Columbia Univ.] 101p. 8°. N. Y., 1928.

MANN, O. *Die Intelligenz und ihre Wertung (Auszug) 11p. 8°. [Münch.] 1923.

PINTNER, R. Intelligence testing; methods and results. New ed. 555p. 8°. N. Y. [1931]

VINCENT, L. *A study of intelligence test elements [Columbia Univ.] 37p. 8°. N. Y., 1924.

Anderson, E. E., Ferrall, S. [et al.] Wilson College studies in psychology; a comparison of the Wechsler-Bellevue, revised Stanford-Binet, and American Council on Education tests at the college level. *J. Psychol.*, Provincet., 1942, 14: 317-26.—**Bacher, G.** Besinnliches zur Intelligenzprüfung. *Zschr. Behandl. Schwachsinn.*, 1924, 44: 33-7.—**Barley, W. C.** Intelligence tests. *School & Soc.*, 1923, 17: 329.—**Becker, F.** Die Intelligenzprüfung unter volkischem und typologischem Gesichtspunkt; ein Beitrag zum Problem der Auslese. *Zschr. angew. Psychol.*, 1938, 55: 15-111.—**Behrens, R.** Ueber Intelligenzprüfungen bei Säuglingen und Kleinkindern bis zum dritten Lebensjahr. *Gesundheitsförs. Kindesalt.*, 1932, 7: 275-82.—**Blumenfeld, W.** Intelligenzprüfungen und Denkpsychologie. *C. rend. Conf. internat. psychotechn.* (1934) 1935, 8. Conf., 663-70.—**Boda, S. von.** Die Intelligenzprüfungen und die sogenannten reinen Verstandesprüfungen. *Arch. ges. Psychol.*, 1934, 92: 168-74.—**Braatoy, T.** Measurement of intelligence. *J. Nerv. Ment. Dis.*, 1938, 87: 265-82.—**Brown, A. J.** Mental tests. *Canad. Pub. Health J.*, 1937, 28: 378-82.—**Buckingham, B. R.** Intelligence and its measurement, a symposium. *J. Educ. Psychol.*, 1921, 12: 271-5.—**Calfee, M.** College freshmen and 4 general intelligence tests. *Ibid.*, 1913, 4: 223-31.—**Cameron, D. E.** Tests of intelligence. In his *Obj. & Exp. Psychiatry*, N. Y., 1935, 41-60.—**Chlup, O.** Ahnorme Kinder und Intelligenzprüfungen. *Ber. Kongr. Heilpädagog.*, 1923, 1: 102.—**Christiaens, A. G.** Intelligence testing in vocational guidance. *Proc. Internat. Congr. Ment. Hyg.*, 1932, 2. Congr., 315-11.—**Cruchet, R.** La mesure de l'intelligence chez l'enfant de la naissance à 2 et 3 ans. *J. méd. Bordeaux*, 1930, 107: 951-60.—**Curiosa** misura delle facoltà intellettuali. *Minerva med.*, Tor., 1940, 31: pt 2, varia, 48 (microfilm)—**Davidson, H. A.** Intelligence tests and intelligence testing. *J. M. Soc. N. Jersey*, 1931, 31: 7-11.—**Dearborn, W. F., Rothney, J. W. M., & Shuttleworth, F. K.** Intelligence tests. *Monogr. Soc. Res. Child Develop.*, 1938, 3: No. 1, 18-20.—**Descocudres, A.** Couleur, position ou nombre? suite des recherches expérimentales sur le choix

suivant l'âge, le sexe et l'intelligence. *Arch. psychol.*, Genève, 1917, 16: 37-69.—**Downey, J. E.** Rating for intelligence and for will-temperament. *School & Soc.*, 1920-21, 12: 292-4.—**Dubitscher, F.** Intelligenzuntersuchungen im Dienste der Erbgesundheitspflege. *Med. Klin.*, Berl., 1936, 32: 247-50.—**Duguid, K.** The nature and value of intelligence tests. *Guy's Hosp. Gaz.*, Lond., 1936, 50: 193-9.—**Fischer, A.** Ueber den Zusammenhang von Denkpsychologie und Intelligenzprüfung. *Zschr. pädag. Psychol.*, 1926, 27: 1-12.—**Giese, F.** Ueber Pauschalprüfungen bei Intelligenzuntersuchungen. *Ibid.*, 1924, 25: 137-47. — Studien zur Teststatistik bei Intelligenzprüfungen. *Mtschr. Psychiat.*, 1931, 81: 189-209.—**Goddard, H. H.** Tests of intelligence. *Ref. Handh. Med. Sc.*, N. Y., 3. ed., 1915, 5: 607-13.—**Goodenough, F. L., Richards, T. W.** [et al.] Intelligence tests. *Psychol. Bull.*, 1940, 37: 442; 510.—**Haberman, J. V.** Probing the mind, the intelligence and its examination. *Med. Rec.*, N. Y., 1918, 93: 839-49. — The measures of intelligence diagnostically remeasured. *Ibid.*, 1920, 97: 467; 523.—**Henmon, V. A. C.** The measurement of intelligence. *School & Soc.*, 1921, 13: 151-8.—**Herring, J. P.** Verbal and abstract elements in intelligence examinations. *J. Educ. Psychol.*, 1921, 12: 511-7.—**Hertz, M. R., & Kennedy, S.** The M factor in estimating intelligence. *Rorschach Res. Exch.*, 1940, 4: 105 (Abstr.)—**Heymans, G., & Brugmans, H. J. T. W.** Intelligenzprüfungen mit Studierenden. *Zschr. angew. Psychol.*, 1912-13, 7: 317-31.—**Johnson, W.** A note on intelligence tests. *J. Neur. Psychopath.*, Bristol, 1920-21, 1: 325-8.—**Kantor, J. R.** Intelligence and mental tests. *J. Philos.*, 1920, 17: 260-8.—**Lacombe, R.** Mesure-t-on les fonctions intellectuelles? *Rev. philos.*, France, 1927, 104: 407-46.—**Lazar, E.** Die Intelligenzprüfung bei Kindern und ihre Verwertbarkeit zur Beurteilung pathologischer Geisteszustände. *Ber. Oesterr. Konf. Schwachsinnfürsorge*, 1910, 4: 84-90.—**Lesch, E., & Demmel, E.** Intelligenzprüfungsverfahren und Sprache. *Ber. Deut. Ges. Sprach Stimmh.*, 1934, 4. Vers., 21-7.—**Ley, A., & Wauthier, M. L.** Mesure de l'intelligence par la méthode des tests, chez l'étudiant d'Université. *Ann. méd. psychol.*, Par., 1937, 95: 353-85.—**Lietzmann, W.** Von der amerikanischen Testbewegung. *Zschr. pädag. Psychol.*, 1931, 32: 473-86.—**Martin, A. H.** Measuring mind. *Australas. Nurs. J.*, 1936, 34: 109-13.—**Morrison, J. C., & Cornell, W. B.** Report on Westchester findings. *Proc. Am. Ass. Study Feeble-minded*, 1923, 47. Session, 171-91.—**Ørum, H. P. T.** [Intelligence tests] Ugeskr. læger, 1927, 89: 142.—**Parents** should take stock of their child's abilities at age of 12. *Hygeia, Chic.*, 1937, 15: No. 9, 1.—**Phillips, G. E.** The measurement of intelligence of school children. *Med. J. Australia*, 1923, 1: 599-604.—**Pintner, R.** Intelligence tests. *Psychol. Bull.*, 1930, 27: 431-57; 1932, 29: 93-119; passim.—**Rodger, A.** Intelligence tests. In *Brit. Encycl. M. Pract.* (Rollstone, H.) Lond., 1938, 7: 209-20.—**Schiller, B.** The factor pattern yield of 12 tests of intelligence. *J. Gen. Psychol.*, 1937, 16: 311-21.—**Schlesinger, J.** Zur Intelligenzbestimmung am jungen Kinde. *Jahrb. Kinderh.*, 1925-26, 3. F., 61: 195-200.—**Schulhof, F.** Intelligenzprüfung. *Zschr. ges. Neur. Psychiat.*, 1915, Orig., 28: 276-91.—**Schwesinger, G. C.** Measurement of intelligence. In *her Hered. & Environm.*, N. Y., 1933, 3-85.—**Scola, F.** Zur Frage der Intelligenz und Intelligenzuntersuchung. *C. rend. Conf. internat. psychotechn.* (1934) 1935, 8. Conf., 478-84.—**Sierra, A. M.** Reflexiones a propósito de las presuntas medidas de la inteligencia, el metodo de los tests mentales. *Rev. crim.*, B. Air., 1924, 11: 684-90.—**Smith, A. D.** Intelligence tests in children. *Long Island M. J.*, 1917, 11: 215-8.—**Spearman, C. E.** Measurement of intelligence. *Scientia, Bologna*, 1938, 64: 75-82. — Intelligence tests. *Eugen. Rev.*, Lond., 1938-39, 30: 249-54.—**Spielfrein, I. N.** La pratique de mensuration de l'intelligence. *C. rend. Conf. internat. psychotechn.* (1934) 1935, 8. Conf., 701-5.—**Störing, W.** Prüfungsmethoden intellektueller Minderhegabung. *Psychiat. neur. Wschr.*, 1939, 41: 47-53.—**Terman, L. M.** The significance of intelligence tests for mental hygiene. *J. Psycho-Asthenics*, 1914, 18: 119-27. — The mental test as a psychological method. *Psychol. Rev.*, 1924, 31: 93-117.—**Thorndike, E. L.** On finding equivalent scores in tests of intelligence. *J. Appl. Psychol.*, 1922-23, 6: 29-33.—**Tolan-sky, S.** The association factor in intelligence testing. *J. Educ. Psychol.*, 1931, 22: 321-33.—**Tompkins, E. P.** Measuring intelligence. *Virginia M. Month.*, 1921-22, 48: 367-71.—**Weill, J., & Nellen, R.** Mesure de l'intelligence des enfants. *Rev. psychol.*, Brux., 1912, 5: 368-78.—**Wellman, B. L., Skeels, H. M., & Skodak, M.** Review of McNemar's critical examination of Iowa studies. *Psychol. Bull.*, 1940, 37: 93-111.—**Whitmore, E. D.** Intelligence tests versus teacher's estimate. *Psychol. Clin.*, Phila., 1919-20, 13: 197.—**Wiegmann, O.** Beiträge zur Methodologie der Intelligenzprüfung Untersuchungen an kriminellen und nichtkriminellen Jugendlichen. *Zschr. angew. Psychol.*, 1929, 32: 1-101.—**Wildenskov, H. O.** [Intelligence tests] Ugeskr. læger, 1928, 90: 1180-3.—**Winkler, J. K., & Bromberg, S.** The measurement of intelligence. In their *Mind Explorers*, N. Y., 1939, 238-50.—**Young, G.** Factor analysis and the index of clustering. *Psychometrika, Chic.*, 1939, 4: 201-8.

Adult test.

WECHSLER, D. The measurement of adult intelligence. 229p. 23½cm. Balt., 1939. Also 2. ed. 248p. 1941.

WEISENBURG, T. H., ROE, A., & MCBRIDE, K. E. Adult intelligence; a psychological study of test performances. 155p. 8° N. Y., 1936.

Burgard, J. Testreihe zur Untersuchung der Allgemeinintelligenz Erwachsener. Arch. ges. Psychol., 1929, 68: 325-94, 2 pl.—Cattell, R. B. Occupational norms of intelligence, and the standardization of an adult intelligence test. Brit. J. Psychol., 1934, 25: 1-28. — Some theoretical issues in adult intelligence testing. Psychol. Bull., 1941, 38: 592. — The measurement of adult intelligence. Ibid., 1943, 40: 153-93.—Conrad, H. S. The measurement of adult intelligence, and the requisites of a general intelligence test. J. Social Psychol., 1931, 2: 72-86.—Lincoln, E. A. An abbreviated mental age scale for adults. School & Soc., 1920, 11: 707-9.—Radecki, W. Un test d'intelligence pour adultes. J. psychol. norm. path., Par., 1927, 24: 831-50.—Washburn, M. F. A note on the Terman Superior Adult Tests, as applied to Vassar freshmen. Am. J. Psychol., 1919, 30: 310.—Wellman, B. L. Intelligence of adults. In Fields of Psychol. (Seashore, R. H.) N. Y., 1942, 260-3.

— Army tests.

Atwell, C. R. Relationship of scores and errors on the Army Alpha test. J. Appl. Psychol., 1937, 21: 451-5.—Cooper, A. T. Opinions based on intelligence tests at station hospital, Fort McPherson, Georgia. Mil. Surgeon, 1921, 48: 660-4.—Guilford, J. P. A new revision of the Army Alpha examination and a weighted scoring for 3 primary factors. J. Appl. Psychol., 1938, 22: 239-46.—Linares Maza, A. Adaptación española de los Army mental tests, serie Alfa. Rev. san. mil., Madr., 1933, 23: 66; 107; 138; 261; 294.—McCallum, M. The annual incidence of intelligence, and its measurement by the American Army tests. Proc. R. Soc. Edinburgh, 1920, 21, 41: 150-3.—Macvaugh, G. S. Regression formula to predict educational ages from Revised Alpha scores. J. Appl. Psychol., 1938, 22: 275-81.—Madsen, I. N., & Sylvester, R. H. High-school students' intelligence ratings according to the Army Alpha test. School & Soc., 1919, 10: 407-10.—Measurement and utilization of brain power in the Army. Science, N. Y., 1919, n. ser., 49: 251-9.—Noble, E. L., & Arps, G. F. University students' intelligence ratings according to the Army Alpha test. School & Soc., 1920, 11: 233-7.—Peterson, H. A., & Kuderna, J. G. Army Alpha in the normal schools. Ibid., 1921, 13: 476-80.—Richardson, F., & Robinson, E. S. Effects of practice upon the scores and predicative value of the Alpha intelligence examination. J. Exp. Psychol., 1921, 4: 300-17.—Roux de Montlebert, S. Adaptation française de l'examen alpha des armées mental tests, son utilisation comme mesure d'intelligence générale. C. rend. Conf. internat. psychotechn. (1927) 1929, 1. Conf., 1929.—Ruch, G. M., & Koerth, W. Power vs. speed in Army Alpha. J. Educ. Psychol., 1923, 14: 193-208.—Yerkes, R. M. Psychological examining in the Army. Tr. Coll. Physicians Philadelphia, 1918, 157-9.

— Association test.

RASCHKE, W. *Intelligenzprüfungen und Assoziationsversuche an Kindern. 70p. 8°. Greifsw., 1913.

Hull, C. L., & Lugoff, L. S. Complex signs in diagnostic free association. J. Exp. Psychol., 1921, 4: 111-36.—McClatchy, V. R., & Cooper, M. A psychological study of linguistic abilities with reference to the results of word association tests. Ibid., 1924, 7: 371-81.—Mateer, F. The clinical significance of the Kent-Rosanoff association tests. Psychol. Bull., 1921, 18: 84.—Peak, I. F. The word association test. Air. M. Serv., 1923-24, 5: 90-5. — Case report of a word association test. Mil. Surgeon, 1924, 55: 586-98.—Tinker, M. A. Speed and quality of association as a measure of intelligence on the college level. J. Gen. Psychol., 1941, 24: 273-9.

— Bellevue test.

Halpern, F. A comparison of the revised Stanford L and the Bellevue adult intelligence test as clinical instruments. Psychiat. Q. Suppl., 1942, 16: 206-11.—Mitchell, M. B. Performance of mental hospital patients on the Wechsler-Bellevue and the revised Stanford-Binet form L. J. Educ. Psychol., 1942, 33: 538-44.—Rabin, A. I. Wechsler-Bellevue test results in senile and arteriosclerotic patients. Psychol. Bull., 1942, 39: 510 (Abstr.).—Wechsler, D., Israel, H., & Balinsky, B. A study of the sub-tests of the Bellevue intelligence scale in borderline and mental defective cases. Am. J. Ment. Defic., 1940-41, 45: 553-8.

— Binet-Simon test.

See Binet-Simon test.

— Block test [Kohs]

Benton, A. L. A study of the performance of young adults on the Kohs block designs test. J. Appl. Psychol., 1941, 25: 420-7. — & Perry, J. D. Short method of administering the Kohs block designs test. Am. J. Orthopsychiat., 1942, 12: 231-3.—Eigler, P. The Kohs block design test. Child Develop., 1930, 1: 341.—Kohs, S. C. Percentile norms for scaling data. J. Educ. Psychol., 1918, 9: 101.—Lidz, T., Gay,

J. R., & Tietze, C. Intelligence in cerebral deficit states and schizophrenia measured by Kohs block test. Arch. Neurol. Psychiat., Chic., 1942, 48: 568-82.—McCloy, C. H. Blocks test of multiple response. Psychometrika, Cincin., 1942, 7: 165-9.—Wile, I. S., & Davis, R. A comparative study of the Kohs block design test. Am. J. Orthopsychiat., 1930, 1: 89-103.

— Bühler test.

Feitscher, P. Zu den Kleinkindertests von Bühler und Hetzer. Arch. Psychiat., Berl., 1938-39, 109: 699-720.—Hubbard, R. M. A study of the reliability and validity of the Bühler infant scale. J. Genet. Psychol., 1935, 47: 361-84.—Wolf, M. Kleinkindertests, Erprobung der Bühler'schen Entwicklungstests an Kindern aus gehobenen sozialen Milieus. Arch. ges. Psychol., 1935, 94: 215-46.

— Cattell test.

CATTELL, R. B. Cattell group intelligence scale; specimen set. 2. ed. 9 pamphl. 8° & 4° Lond. [1933-37]

— The measurement of intelligence of infants and young children. 274p. 23cm. N. Y., 1940.

Cattell, R. B. Standardization of two intelligence tests for children. Brit. J. Psychol., 1935-36, 26: 263-72. — A culture-free intelligence test. J. Educ. Psychol., 1940, 31: 161-79.

— Comparative value.

Anderson, J. E. A comparison of 2 methods of giving the number series completion test. J. Appl. Psychol., 1920-21, 4: 346.—Barrett, M. A comparison of the order of merit method and the method of paired comparisons. Psychol. Rev., 1914, 21: 278-94.—Bracey, H. A practical comparison of intelligence tests. Med. Off., Lond., 1929, 41: 227.—Breece, G. E., & Pyle, W. H. A comparison of the results of group tests and the point scale test. J. Educ. Psychol., 1919, 10: 48-51.—De Sanctis, S., & Jeronutti, A. Applicazione della scala metrica della intelligenza di Binet e Simon e dei reattivi di Sante De Sanctis. Rapp. Congr. internat. psychol. (1909) 1910, 6. Congr., 775-8.—Dubitscher, Zur Auswertung von Intelligenzuntersuchungen. Reichsgesundhbl., 1935, 10: 321.—Ceyer, D. L. A uniform objective examination on intelligence testing. J. Educ. Psychol., 1923, 14: 373-5.—Hay, E. N., & Blakemore, A. M. Comparison of Otis and Alpha test scores made by bank clerks. J. Appl. Psychol., 1942, 26: 850.—Kelley, T. L. Comparable measures. J. Educ. Psychol., 1914, 5: 589-95.—Kosog, O. Die Wertung der Testserien (mit besonderer Berücksichtigung der Prüfungsergebnisse bei einem fünfjährigen Knaben) Zschr. angew. Psychol., 1914-15, 9: 200-98.—MacMurray, D. A comparison of the intelligence of gifted children and of dull-normal children measured by the Pinter-Paterson scale, as against the Stanford-Binet scale. J. Psychol., Provincet., 1937, 4: 273-80.—Müller, H. Ueber Intelligenzprüfungen bei Anstaltskindern bis zum 3. Lebensjahre im Vergleich zu Kindern in privater Pflege. Jahrb. Kinderh., 1925, 3. F., 59: 345-51.—Murphy, L. W. The relation between mechanical ability tests and verbal and non-verbal intelligence tests. J. Psychol., Provincet., 1936, 2: 353-66.—Myers, G. C. A grave fallacy in intelligence test correlations. School & Soc., 1920, 11: 528.—Pressey, S. L., & Pressey, L. W. Measuring the usefulness of tests in solving school problems. Ibid., 1920-21, 12: 531-4.—Roberts, J. A. F., & Griffiths, R. Retests on the advanced Otis and Stanford-Binet scales, with notes on the use of a shortened Binet scale. Ann. Eugen., Camb., 1937, 8: 15-45, ch.—Schultze, O. Eine neue Weise der Auswertung der Intelligenzteste (Methode der Intelligenzsenur) Zschr. angew. Psychol., 1916, 11: 19-28.—Seagoe, M. V. An evaluation of certain intelligence tests. J. Appl. Psychol., 1934, 18: 432-6.—Shaggs, E. B. A comparison of results obtained by the Terman Binet tests and the Healy picture completion test. J. Educ. Psychol., 1920, 11: 418-20.—Simon, W., & Schönfeld, W. Vergleich der Intelligenzschätzung mit graphologischer und psychotechnischer Methode. C. rend. Conf. internat. psychotechn. (1934) 1935, 8. Conf., 700.—Thomson, G. H., & Pintner, R. Spurious correlation and relationship between tests. J. Educ. Psychol., 1924, 15: 433-44.—Viteles, M. S. A comparison of three tests of general intelligence. J. Appl. Psychol., 1922-23, 6: 391-402.—Wells, F. L. Rorschach and the free association test. J. Gen. Psychol., 1935, 13: 413-33.—Wiersma, D. Comparison of a few intellect-tests. Proc. Akad. wet. Amsterdam, 1930, 33: pt 2, 595-604.—Wilson, J. H. Comparison of certain intelligence scales. Brit. J. Psychol., 1924-25, 15: Sect. Gen., 44-63.—Wolf, S. J. Comparison of the Woodworth-Cady personal data sheet and Baker's telling what I do test. J. Genet. Psychol., 1938, 53: 353-63.

— Comprehension and definition tests.

LICHTENSTEIN, A. *Ueber den Wert der Gregorschen Definitionsmethode zur Beurteilung der Intelligenz bei Kindern von 5 bis 14 Jahren. 40p. 8°. Berl., 1926.

MENSCHEL, P. R. H. *Zur diagnostischen Bewertung von Intelligenzleistungen mittels der Definitionsmethode [Leipzig] p. 231-42. 8°. Jena, 1921.

Breed, F. S. A comparison of two methods of measuring comprehension in reading. *School & Soc.*, 1918, 7: 266-70.—Hebb, D. O., & Morton, N. W. The McGill Adult Comprehension Examination: Verbal Situation and Picture Anomaly Series. *J. Educ. Psychol.*, 1943, 34: 16-25.—Richards, A. M., & Davidson, P. E. Correlations of single measures of some representative reading tests. *School & Soc.*, 1916, 4: 375-7.—Starch, D. Educational research and statistics, the reliability of reading tests. *Ibid.*, 1918, 8: No. 186, 86-90.—Thomson, G. H., & Lawley, D. N. New norms for Ballard's reading and arithmetic tests for 7-year-olds. *Brit. J. Educ. Psychol.*, 1942, 12: 56-8.

De Sanctis test.

De Sanctis, S. La valutazione della intelligenza in psicologia applicata. *Psiche, Fir.*, 1913, 2: 153-74. — Das Mass der Intelligenz. *Eos, Wien*, 1914, 10: 88-97. — Bolaffi, E. La graduazione dell'insufficienza intellettuale col metodo dei reattivi. *Inf. anorm.*, Milano, 1914, 7: 153. — De Sanctis (The) tests. *Training School Bull.*, 1913-14, 10: 34-6.—Forza, G. La misura della insufficienza e l'applicazione dei reattivi De Sanctis. *Inf. anorm.*, Milano, 1918, 11: 109-16.—Zabugin, F. D. [Investigation of the intellect of children by the Sante-de-Sanctis method] *J. nevropat. psikiat.*, Moskva, 1915-16, 15: 68-74.

Drawing test [Goodenough, etc.]

Dennis, W. The performance of Hopi children on the Goodenough Draw-a-Man-test. *J. Comp. Psychol.*, 1942, 34: 341-8. Also *Psychol. Bull.*, 1942, 39: 378.—Goodenough, F. L. A new approach to the measurement of the intelligence of young children. *Pedag. Semin.*, Worcester, 1926, 33: 185-211. — An early intelligence test. *Child Develop.*, 1934, 5: 13-8.—Heyer, G. R. Klinische Analyse von Handzeichnungen Analytischer (im Sinne von Jung) Ber. Allg. arzt. Kongr. Psychother., 1929, 4: 36 [Discussion] 67-77.—Kinder, E., & Steggerda, M. A study of results secured through use of the Goodenough drawing scale with children of different racial groups. *Ber. Versamml. Internat. Fed. eugen. Org.*, 1936, 12. Congr., 100-2.—Nagge, J. W. Drawings as an index of intelligence. In his *Psychol. Child*, N. Y., 1942, 162-5.—Williams, M. L. The growth of intelligence as measured by the Goodenough drawing test. *J. Appl. Psychol.*, 1930-31, 14: 239-56.

Formboard tests [Ferguson; Seguin; Witmer, etc.]

Bruckner, L., & King, I. A study of the Fernald form-board. *Psychol. Clin.*, Phila., 1915-16, 9: 249-57.—Dearborn, W. F., Anderson, J. E., & Christiansen, A. O. Form board and construction tests of mental ability. *J. Educ. Psychol.*, 1916, 7: 445-58.—Doll, E. A. Form board speeds as diagnostic age tests. *J. Psychoasthenics*, 1916, 20: 53-62, 2 ch.—Dunham, F. L. The arrow-board, an adult form-board test. *Pedag. Semin.*, Worcester, 1916, 23: 283-9.—Goodman, H. W. A comparison of group test, mental age and performance on the Witmer formboard. *Abstr. Theses Univ. Pittsburgh*, 1938, 14: 418.—Grove, W. R. An experimental study of the Kent-Shakow Industrial Form Board Series. *Ibid.*, 1931, 7: 389. — Modification of Kent-Shakow formboard series. *Ibid.*, 1937, 13: 175-83.—Pescor, M. J. A statistical study of the Ferguson form board test. *Pub. Health Rep.*, Wash., 1935, 50: No. 52, 1815-23. — A further study of the Ferguson form board test. *Ibid.*, 1936, 51: 1195-1201.—Skeels, H. M. A study of some factors influencing formboard accomplishments of two- and three-year-old children. *J. Genet. Psychol.*, 1932, 40: 375-95.—Strong, E. K., jr., & Gilchrist, E. P. A method of recording errors in form board tests. *Psychol. Rev.*, 1917, 24: 239-41.—Sylvester, R. H. The form board test. *Psychol. Monogr.*, Princeton, 1913, 15: 1-56.—Wallin, J. E. W. The peg formboards. *Psychol. Clin.*, Phila., 1918, 12: 40-53.—Williams, G. W., & Lines, J. An evaluation of the Ferguson form boards and the derivation of new age and grade norms. *J. Appl. Psychol.*, 1937, 21: 556-673.—Wood, L., & Kumin, E. A new standardization of the Ferguson form boards. *J. Genet. Psychol.*, 1939, 54: 265-84.—Young, H. H. The Witmer formboard. *Psychol. Clin.*, Phila., 1916, 10: 93-111. — — — & Young, M. H. The Witmer formboard, first trial records. *Ibid.*, 1922-23, 15: 85-91.—Young, M. H. Correlation of the Witmer formboard and cylinder test. *Ibid.*, 1916, 10: 112-6.

Gesell test.

Curti, M. W., Marshall, F. B., & Steggerda, M. The Gesell schedules applied to 1-, 2-, and 3-year-old Negro children of Jamaica, B. W. I. *J. Comp. Psychol.*, 1935, 20: 125-56.—King, G. N. Test de Gesell en lactantes. *Rev. chilena pediat.*, 1942, 13: 21-36.—Richards, T. W., & Nelson, V. L. Studies in mental development, analysis of abilities tested at the age of 6 months by the Gesell schedule. *J. Genet. Psychol.*, 1938, 52: 327-31. — — — Studies in mental development, performance

of 12-months old children on the Gesell schedule, and its predictive value for mental status at 2 and 3 years. *Ibid.*, 1939, 54: 181-91.

Group tests.

Arthur, G. A group point scale for the measurement of intelligence; a further study in method. *J. Appl. Psychol.*, 1926-27, 10: 228-44.—Bell, J. C. Group tests of intelligence: an annotated list. *J. Educ. Psychol.*, 1921, 12: 103-8.—Dearborn, W. F. The methods and uses of group testing of intelligence. *Proc. Am. Ass. Study Feeble-minded*, 1921, 45. Session, 111-6.—De Weerd, E. H. The transfer effect of practice in related functions upon a group intelligence test. *School & Soc.*, 1927, 25: 438-40.—Dohson, R. R. An investigation of group intelligence tests. *Brit. J. Psychol.*, 1924-25, 15: Sect. Gen., 162-8.—Finch, F. H., & Oodoroff, M. E. The reliability of certain group intelligence tests. *J. Appl. Psychol.*, 1937, 21: 102-6.—Geyer, D. L. The reliability of rankings by group intelligence tests. *J. Educ. Psychol.*, 1922, 13: 43-9.—Harrower-Erickson, M. R. Group-test techniques, a discussion of an eclectic group method. *Rorschach Res. Exch.*, 1942, 6: 147-52.—Keys, N. The value of group test IQ's for prediction of progress beyond high school. *J. Educ. Psychol.*, 1940, 31: 81-93.—Kirihara, H. General intelligence tests and their norms, group mental tests for juvenile and adult. *Stud. sc. laborio.*, Kurasiki, 1928, 5: 749-910.—Lämmermann, H. Bericht über die Eichung einer Serie von Gruppentests für acht- bis vierzehnjährige Volksschüler. *Zschr. angew. Psychol.*, 1926, 27: 1-41.—Lindner, R. M., & Chapman, K. W. An eclectic group method. *Rorschach Res. Exch.*, 1942, 6: 139-46.—Lowell, F. A preliminary report of some group tests of general intelligence. *J. Educ. Psychol.*, 1919, 10: 323-34.—McRae, H. Reliability of group intelligence tests. *Advance. Sc.*, Lond., 1939-40, 1: 446 (Abstr.).—Pintner, R. A non-language group intelligence test. *J. Appl. Psychol.*, 1919, 3: 199-214. — — — Results obtained with the non-language group test. *J. Educ. Psychol.*, 1924, 15: 473-83. — — — & Cunningham, B. V. The problem of group intelligence tests for very young children. *Ibid.*, 1922, 13: 465-72.—Pressey, S. L., & Pressey, L. W. A group point scale for measuring general intelligence with first results from 1,100 school children. *J. Appl. Psychol.*, 1918, 2: 250-69. — — — The practical efficiency of a group scale of intelligence studies from the psychological laboratory of Indiana University. *Ibid.*, 1919, 3: 68-80.—Roberts, J. A. F., Norman, R. M., & Griffiths, R. Definition of the sample, method of ascertainment, and analysis of the results of a group intelligence test. *Ann. Eugen.*, Camb., 1934-35, 6: 319-38, ch.—Shen, E. Note on the scoring of matching tests. *J. Educ. Psychol.*, 1940, 31: 625.—Stump, N. F. The Stump auditory group tests of intelligence. *Ibid.*, 1942, 33: 495-505.—Thomson, G. H. The mental age concept and the standardization of group tests. *Psychol. Rev.*, 1928, 35: 398-413. — — — Following up individual items in a group intelligence test. *Brit. J. Psychol.*, 1941-42, 32: 310-7.—Thorndike, E. L. A standardized group examination of intelligence independent of language. *J. Appl. Psychol.*, 1919, 3: 13-32.—Thorndike, R. L. Regression fallacies in the matched-groups experiment. *Psychol. Bull.*, 1941, 38: 606. Also *Psychometrika*, Cincin., 1942, 7: 85-102.

Information test.

Bell, J. C. A detailed study of Whipple's range of information test. *Psychol. Bull.*, 1917, 14: 71.—Grier, N. M. The range of information test in biology; zoology. *J. Educ. Psychol.*, 1918, 9: 388-92.—Inman, D. M. General knowledge and intelligence. *Brit. J. Educ. Psychol.*, 1939, 9: 72-87.—Laycock, S. R. The Laycock test of Biblical information. *J. Educ. Psychol.*, 1925, 16: 329-34.—Porteus, S. D. A standardized information record. *Training School Bull.*, 1919-20, 16: 103-11.—Smith, L. L. Whipple's range of information test. *Psychol. Rev.*, 1913, 20: 517.—Travers, R. M. W. A note on the value of customary measures of item validity. *J. Appl. Psychol.*, 1942, 26: 625-32.—Wilson, W. R. Information as a measure of intelligence and maturity. *J. Educ. Psychol.*, 1924, 15: 309-12.

Interpretation, reliability, and validity.

See also *Vocation, Guidance.*

GRAVES, K. B. *The influence of specialized training on tests of general intelligence [Columbia Univ.] 78p. 8°. N. Y., 1924.

HAMILTON, H. C. *The effect of incentives on accuracy of discrimination measured on the Galton bar [Columbia Univ.] 70p. 8°. N. Y., 1929.

JONES, V. A. *Effect of age and experience on tests of intelligence. [Columbia Univ.] 75p. 8°. N. Y., 1926.

Ackerson, L., & Estabrooks, G. H. On the correlation of intelligence test scores with imputed intelligence. *Brit. J. Psychol.*, 1938, 18: Sect. Gen., 455-9.—Adams, H. F. Validity,

reliability, and objectivity. *Psychol. Monogr.*, 1936, 47: No. 2, 329-50.—**Anderson, J. E.** The limitations of infant and preschool tests in the measurement of intelligence. *J. Psychol.*, Provincet., 1939, 8: 351-79.—**Anderson, L. D.** The predictive value of infancy tests in relation to intelligence at 5 years. *Child Develop.*, 1939, 10: 203-12.—**Asher, E. J.** The inadequacy of current intelligence tests for testing Kentucky mountain children. *J. Genet. Psychol.*, 1935, 46: 480-6.—**Bingham, W. V., & Davis, W. T.** Intelligence test scores and business success. *J. Appl. Psychol.*, 1924-25, 8: 1-22.—**Brown, W. M.** A study of the caution factor and its importance in intelligence test performance. *Am. J. Psychol.*, 1924, 35: 368-86. ——— A study of the predictive value of certain kinds of scores in intelligence tests. *J. Educ. Psychol.*, 1924, 15: 448-61.—**Buritt, H. E., Chassell, L. M., & Hatch, E. M.** Efficiency of instruction in unselected sections in elementary psychology compared with that in sections selected on basis of intelligence tests. *Ibid.*, 1923, 14: 154-61.—**Carr, H. A.** Reliability vs validity of test scores. *Psychol. Rev.*, 1938, 45: 435-40.—**Cattell, J. McK.** Interpretation of intelligence tests. *Sc. Mon.*, 1924, 18: 508-16.—**Chapanis, A.** Notes on the rapid calculation of item validities. *J. Educ. Psychol.*, 1941, 32: 297-304.—**Conrad, H. S.** The bogey of the personal equation in ratings of intelligence. *Ibid.*, 1932, 23: 147-9.—**Dunlap, K., & Snyder, A.** Practice effects in intelligence tests. *J. Exp. Psychol.*, 1920, 3: 396-403.—**Forster, G.** La fidélité des épreuves d'intelligence et la nécessité des tests de contrôle. *C. rend. Conf. internat. psychotechn.* (1927) 1929, 4. Conf., 193-8.—**Foucault, M.** La mesure de l'intelligence et les résultats scolaires. *Ibid.*, 509-17.—**Furley, P. H., & Muehlenbein, J.** The validity of infant intelligence tests. *J. Genet. Psychol.*, 1932, 40: 219-23.—**Hofstätter, P. R.** Was besagen Testergebnisse? ein Beitrag zum Dimensionsproblem der Entwicklungstests. *Zschr. Kinderforsch.*, 1938, 47: 72-96.—**Jaensch, E. R.** Grundsätze für Auslese, Intelligenzprüfung und ihre praktische Verwirklichung. *Zschr. angew. Psychol.*, 1938, 55: 1-14.—**Kohs, S. C.** High test scores attained by subaverage minds. *Psychol. Bull.*, 1920, 17: 1-5.—**Maller, J. B., & Zubin, J.** The effect of motivation upon intelligence test scores. *J. Genet. Psychol.*, 1932, 41: 136-51.—**Manson, G. E.** Personality differences in intelligence test performance; group individual differences; the significance of omissions. *J. Appl. Psychol.*, 1925-26, 9: 230-5.—**Mateer, F.** Some differences between normals and defectives which are not indicated by intelligence tests. *Psychol. Bull.*, 1917, 14: 75.—**Meumann, E.** Die soziale Bedeutung der Intelligenzprüfungen. *Zschr. pädag. Psychol.*, 1913, 14: 433-40.—**Piéron, H., & Piéron, Mme H.** Etablissement et utilisation d'un test d'intelligence en orientation professionnelle. *C. rend. Conf. internat. psychotechn.* (1927) 1929, 4. Conf., 185-7.—**Pintner, R.** The influence of language background on intelligence tests. *J. Social Psychol.*, 1932, 3: 235-40.—**Paterson, D. G.** The factor of experience in intelligence testing. *Psychol. Clin., Phila.*, 1915, 9: 44-50.—**Remmers, H. H., Schock, N. W., & Kelly, E. L.** An empirical study of the validity of the Spearman-Brown formula as applied to the Purdue rating scale. *J. Educ. Psychol.*, 1927, 18: 187-95.—**Richardson, C. A.** The influence of affective factors on the measurement of intelligence. *Brit. J. M. Psychol.*, 1923, 3: 34-8.—**Richardson, M. W., & Kuder, G. F.** The calculation of test reliability coefficients based on the method of rational equivalence. *J. Educ. Psychol.*, 1939, 30: 681-7.—**Shen, E.** The standard error of certain estimated coefficients of correlation. *Ibid.*, 1924, 15: 462-5.—**Slater, P., Sargent, W., & Glen, M.** Influence of sodium amital on intelligence-test scores. *Lancet*, Lond., 1942, 1: 676.—**Stuart, D. D. V.** Variability in the results of intelligence-tests. *J. Am. M. Ass.*, 1914, 63: 319.—**Symonds, P. M.** On the loss of reliability in rating due to coarseness of the scale. *J. Exp. Psychol.*, 1924, 7: 456-61.—**Thorndike, E. L.** The form of the curve of practice in the case of addition. *Am. J. Psychol.*, 1915, 26: 247-50. ——— Tests of intelligence reliability: significance, susceptibility to special training and adaptation to the general nature of the task. *School & Soc.*, 1919, 9: 189-95. ——— Equality in difficulty of alternative intelligence examinations. *J. Appl. Psychol.*, 1920 21, 4: 283-8. ——— On the improvement in intelligence scores from 14 to 18. *J. Educ. Psychol.*, 1923, 14: 513-6.—**Vries, E. de.** Effect of speech on the intelligence test in Indo-European children. *Genes. tschr. Ned. Indie*, 1936, 76: 195-201.—**Wallin, J. E. W.** The consistency shown by intelligence ratings based on standardized tests and the teacher's estimates. *J. Educ. Psychol.*, 1923, 14: 231-45.—**Wildenskov, H. O.** [The validity of intelligence measuring] *Nord. med.*, 1940, 5: 603-10.—**Wile, I. S.** Some prognostic values in the measurement of intelligence. *N. York State J. M.*, 1927, 27: 776-80.

Kent tests.

Kent, G. H. A graded series of geometrical puzzles. *J. Exp. Psychol.*, 1916, 1: 40-50. ——— A combination mental test for clinical use. *J. Appl. Psychol.*, 1923-24, 7: 246-57. ——— Written tests for the clinic. *J. Genet. Psychol.*, 1934, 44: 49-68.—**Lewinski, R. J.** A qualitative analysis of the Kent Oral Emergency test as a clinical instrument in the examination of naval recruits. *J. Appl. Psychol.*, 1942, 26: 316-31.—**Sloan, W., & Sharp, A. A.** A note on interpolation of Kent oral emergency test scores into mental age years and months. *Ibid.*, 1941, 25: 592-4.

Knox cube test.

Davis, E. A. Knox cube test and digit span. *J. Genet. Psychol.*, 1932, 40: 234-7.—**Pintner, R.** The standardization of Knox's cube and feature profile tests. *Psychol. Bull.*, 1915, 12: 72.—**Rachofsky, L. M.** Speed of presentation and ease of recall in the Knox cube test. *Ibid.*, 1918, 15: 61-4.

Kuhlmann test.

Berger, A. A note on reliability in the Kuhlmann individual tests of mental development. *J. Educ. Psychol.*, 1940, 31: 710-2.—**Kuhlmann, F.** A new scale of intelligence tests with some new measures. *Proc. Am. Ass. Ment. Defic.*, 1938, 62. Session, pt 1, 47-55. ——— A median mental age method of weighing and scaling mental tests. *J. Appl. Psychol.*, 1927-28, 11: 181-98.—**Spache, G.** The use of the Kuhlmann-Anderson intelligence tests in private schools. *J. Educ. Psychol.*, 1939, 30: 618-23. ——— Deriving language and non-language measures of intelligence from the Kuhlmann-Anderson intelligence tests. *Ibid.*, 1941, 32: 673-80.

Maze test [Porteus]

See also Learning.

Cavalcanti Borges, J. C. Padronização dos labirintos de Porteus. *Neurobiologia, Recife*, 1941, 4: 17-21.—**Herd, H.** The Porteus maze mental tests. *Med. Off., Lond.*, 1923, 30: 267.—**Jarrett, R. F.** Some observations on social capacity; application of the Porteus maze tests to 100 Borstal lads. *Lancet*, Lond., 1926, 2: 1059.—**Porteus, S. D.** Test interpretation. *Training School Bull.*, 1920-21, 17: 68-72. ——— Maze tests and social adaptability. *Lancet*, Lond., 1927, 1: 1152. ——— & **Hill, H. F.** Tests and test procedure. *Training School Bull.*, 1920-21, 17: 16-33.—**Porteus (The) test.** *Med. J. Australia*, 1918, 1: 517.—**Young, H. H.** Slot maze A. *Psychol. Clin., Phila.*, 1921-22, 14: 73-82.

Otis test.

Balinsky, B., & Stone, I. R. A new method of finding the intelligence quotient on Otis self-administering tests, higher examination. *J. Social Psychol.*, 1939, 10: 459-65.—**Hovland, C. I., & Wonderlic, E. F.** A critical analysis of the Otis self-administering test of mental ability, higher form. *J. Appl. Psychol.*, 1939, 23: 367-87.—**Older, H. J.** A note on the 20-minute time limit of the Otis S-A tests when used with superior high school students. *Ibid.*, 1912, 26: 211-4.—**Otis, A. S.** A criticism of the Yerkes-Bridges point scale, with alternative suggestions. *J. Educ. Psychol.*, 1917, 8: 129-50.—**Stevens, S. N., & Wonderlic, E. F.** The relationship of the number of questions missed on the Otis mental tests and the ability to handle office detail. *J. Appl. Psychol.*, 1934, 18: 364-8.—**Traxler, A. E.** Reliability, constancy, and validity of the Otis IQ. *Ibid.*, 241-51.—**Wonderlic, E. F., & Hovland, C. I.** The personnel test, a restandardized abridgment of the Otis S-A test for business and industrial use. *Ibid.*, 1939, 23: 685-702.

Performance tests [Army; Cornell-Coxe; Pintner-Paterson, etc.]

EARLE, F. M., & MILNER, M. The use of performance tests of intelligence in vocational guidance. 76p. 8° Lond., 1929.

GAW, F. Performance tests of intelligence. 48p. 8° Lond., 1925.

WELLMAN, B. L. The intelligence of preschool children as measured by the Merrill-Palmer scale of performance tests. 150p. 8° Iowa City, 1938.

Alexander, W. P. A new performance test of intelligence. *Brit. J. Psychol.*, 1932, 23: 52.—**Bennett, M. W.** Factors influencing performance on group and individual tests of intelligence; rate of work. *Genet. Psychol. Monogr.*, 1941, 23: 237-318.—**Bijou, S. W.** The performance of normal children on the Randall's Island performance series. *J. Appl. Psychol.*, 1938, 22: 186-91. ——— An experimental analysis of Arthur performance quotients. *J. Consult. Psychol.*, 1942, 6: 247-52.—**Bronner, A. F.** Attitude as it affects performance of tests. *Psychol. Rev.*, 1916, 23: 303-31.—**Carlisle, C. L.** Performance norms for 13 tests. *J. Educ. Psychol.*, 1918, 9: 518-23.—**Cattell, R. B., Feingold, S. N., & Sarason, S. B.** A culture-free intelligence test; evaluation of cultural influence on test performance. *Ibid.*, 1941, 32: 81-100.—**Doll, E. A.** The painted cube construction test. *Ibid.*, 1917, 8: 176-8.—**Hames, T. H.** Diagnostic values of some performance tests. *Psychol. Rev.*, 1915, 22: 299-305.—**Hanfmann, E.** A study of personal patterns in an intellectual performance. *Character & Personality*, 1940-41, 9: 315-25.—**Hertzman, M.** The influence of the individual's variability on the organization of performance. *J. Gen. Psychol.*, 1939, 20: 3-24.—**Heston, J. C., & Cannell, C. F.** A note on the relation between age and performance of adult subjects on 4 familiar psychometric tests. *J. Appl. Psychol.*, 1941, 25: 415-9.—**Kent, G. H.** A graded series of dovetail puzzles. *Psychol. Bull.*, 1917, 14: 66.—**Lincoln, H.** A study of the Cornell-Coxe performance ability scale with superior children. *Univ. Pittsburgh Bull.*,

1936, 33: No. 1, 374. Also *J. Genet. Psychol.*, 1937, 50: 283-92.—**Lowe, G. M., Shimberg, M. E., & Wood, M. W.** Further standardization of construction tests A and B. *J. Appl. Psychol.*, 1924-25, 8: 324-38.—**Mahan, H. C.** A battery of performance tests (the Arthur scale revised). *Ibid.*, 1934, 18: 645-55.—**Meili, R.** Experimentelle Untersuchungen über das Ordnen von Gegenständen. *Psychol. Forsch.*, 1926, 7: 155-93.—**Nelson, V. L., & Richards, T. W.** Studies in mental development; performance on Gesell items at 6 months and its predictive value for performance on mental tests at 2 and 3 years. *J. Genet. Psychol.*, 1938, 52: 303-25.—**Nissen, H. W., Machover, S., & Kinder, E. F.** A study of performance tests given to a group of native African negro children. *Brit. J. Psychol.*, 1934-35, 25: 338-55.—**Porteus, S. D.** Race and social differences in performance tests. *Genet. Psychol. Monogr.*, 1930, 8: 93-208.—**Stephenson, W.** Two contributions to the theory of mental testing; a new performance test for measuring abilities as correlation coefficients. *Brit. J. Psychol.*, 1939-40, 30: 19-35.—**Stutsman, R.** Performance tests for children of pre-school age. *Genet. Psychol. Monogr.*, 1926, 1: 3-67.—**Teska, P. T.** Performance of dull and bright children in a non-language multiple-choice problem-solving situation. *Summaries Doct. Diss. Univ. Wisconsin*, 1942, 7: 255-7.—**Thomson, G. H.** The speed factor in performance tests. *Brit. J. Psychol.*, 1941-42, 32: 131-5.—**Toops, H. A.** Code numbers as a means of scoring group-administered performance test products. *J. Appl. Psychol.*, 1942, 26: 136-50.—**Wilson, F. T., & Flemming, C. W.** Correlations of performance tests with other abilities and traits in grade I. *Child Develop.*, 1937, 8: 80-8.

— Pictorial completion and arrangement test [Healy, et al.]

Bowler, A. C. A picture arrangement test. *Psychol. Clin.*, Phila., 1917-18, 11: 37-54.—**Bronner, A. J.** Construction test A of the Healy-Fernald series. *Ibid.*, 1916, 10: 40-4.—**Doreus, M. D.** Analysis of specific responses of children in the Healy pictorial completion test II. *J. Genet. Psychol.*, 1928, 35: 574-86.—**Engelhard, C. F.** An investigation into the mental capacity with the assistance of pictures, as applied to the Javanese. *Meded. Burgerl. geneesk. Ned. Indie*, 1924, pt. 3, 282-95.—**Franken, A.** Bilderkombination; ein Beitrag zum Problem der Intelligenzprüfung. *Zschr. angew. Psychol.*, 1916-17, 12: 173-229.—**Gault, R. H.** Picture completion. *J. Appl. Psychol.*, 1920-21, 4: 310-5.—**Hanfmann, E.** A qualitative analysis of the Healy pictorial completion test II. *Am. J. Orthopsychiat.*, 1939, 9: 325-9.—**Healy, W.** A pictorial completion test. *Psychol. Bull.*, 1913, 19: 80. Also *Psychol. Rev.*, 1914, 10: 189-203.—**Pictorial completion test II.** *J. Appl. Psychol.*, 1921-22, 5: 225-39.—**Lindley, M.** A picture test. *Training School Bull.*, 1918, 14: 156-61.—**Miles, W. R., & Butterworth, J. E.** A tentative standardization of a completion test. *J. Educ. Psychol.*, 1916, 7: 329-36.—**Pintner, R., & Toops, H. A.** A drawing completion test. *J. Appl. Psychol.*, 1918, 2: 164-73.—**Shaw, E. A.** A new picture completion test. *Ibid.*, 355-65.—**Walker, M. A., & Washburn, M. F.** The Healy-Fernald picture completion test as a test of the perception of the comic. *Am. J. Psychol.*, 1919, 30: 304-7.—**Wood, L.** A new picture completion test. *J. Genet. Psychol.*, 1940, 56: 383-409.

— Rorschach test.

See Rorschach test.

— Similarities and opposites test.

Wylie, A. T. *The opposite test [Columbia Univ.] 96p. 8°. N. Y., 1925.

Greene, H. A. A standardization of certain opposites tests. *J. Educ. Psychol.*, 1918, 9: 559-66.—**King, L., & Gold, H.** A tentative standardization of certain opposites tests. *Ibid.*, 1916, 7: 459-82.—**Kraushaar, R.** Der Analogietest in der Intelligenzprüfung; ein Versuch an Volksschulern. *Zschr. pädag. Psychol.*, 1926, 27: 462-76.—**Pintner, R., & Renshaw, S.** A standardization and weighing of 200 analogies. *J. Appl. Psychol.*, 1920-21, 4: 263-73.—**Van Wageningen, M. J.** Graded opposites and analogies tests. *J. Educ. Psychol.*, 1920, 11: 241-63.

— Special tests.

Batalia, M. B. An experimental study of children's behavior in a spatial complex. *J. Genet. Psychol.*, 1934, 44: 127-38.—**Estes, S. G.** A study of 5 tests of spatial ability. *J. Psychol.*, Provincet., 1942, 13: 265-71.—**Fox, C.** A method of testing literary appreciation. *Rapp. Congr. internat. psychol.* (1937) 1938, 11. Congr., 366-9.—**Lahy, J. M.** Un test d'intelligence logique. *C. rend. Conf. internat. psychotechn.* (1927) 1929, 4. Conf., 188-92.—**Monroe, W. S.** Measurements of certain algebraical abilities. *School & Soc.*, 1915, 1: 393-5.—**Schulze, W.** Eto. Umschau, 1926, 30: 45-7.—**Stoddard, W. E.** A comparison of the Hillerage and Harvard-Newton scales in English composition. *Pedag. Semin.*, 1916, 23: 498-501.—**Wheeler, O. A.** An analysis of literary appreciation. *Brit. J. Psychol.*, 1922-23, 13: Sect. Gen., 229-42.

— Speed.

CLARK, J. R. *The relation of speed, range and level to scores on intelligence tests [Columbia Univ.] 40p. 8°. N. Y., 1925.

Baxter, B. An experimental analysis of the contributions of speed and level in an intelligence test. *J. Educ. Psychol.*, 1941, 32: 285-96.—**Beek, L. F.** The rôle of speed in intelligence. *Psychol. Bull.*, 1933, 30: 169-78.—**Slater, P.** Speed of work in intelligence tests. *Brit. J. Psychol.*, 1938-39, 29: 55-68.—**Sutherland, J. D.** The speed factor in intelligent reactions. *Ibid.*, 1934, 24: 276-94.

— Stanford-Binet test.

See under Binet-Simon test, Modifications.

— Terman tests [and modifications]

TERMAN, L. M., & MERRILL, M. A. Measuring intelligence; a guide to the administration of the new revised Stanford-Binet tests of intelligence. 460p. 8°. Bost. [1937]

Burt, C., & John, E. A factorial analysis of Terman-Binet tests. *Brit. J. Educ. Psychol.*, 1942, 12: 177, passim.—**Franchini, A.** Ricerche psicosperimentali su ricoverati all'Istituto di osservazione presso il Tribunale dei minorenni; il metodo di Terman per la valutazione dell'età mentale. *Zaccchia*, 1939, 2. ser., 3: 167-73.—**Maggiolo Walther, C.** Estudio sobre la aplicación del test colectivo de aptitud mental de L. T. Terman, de 13 a 18 años. *Proc. Am. Sc. Congr.* (1940) 1942, 8. Congr., 313-6.—**Terman, L. M.** Tests of general intelligence. *Psychol. Bull.*, 1918, 15: 160-7.—**Weeks, A. L.** Terman vocabulary as a group test. *J. Educ. Psychol.*, 1921, 12: 532-6.—**Wells, F. L.** Aphasic performance in the Terman vocabulary test. *Ibid.*, 1917, 8: 483-7. ——— Review of Terman's "measure of intelligence". *School & Soc.*, 1916, 4: 296-9.

— Thurstone test.

RICHARDSON, C. A., & STOKES, C. W. The growth and variability of intelligence; further analysis of Thurstone's method and of the growth curve. 83p. 8°. Cambridge, Engl., 1933.

Moffie, D. J. A non-verbal approach to the Thurstone Primary Mental Abilities. *J. Gen. Psychol.*, 1942, 27: 35-61.—**Spearman, C.** Thurstone's work re-worked. *J. Educ. Psychol.*, 1939, 30: 1-16.—**Wolfe, D. L.** The Thurstone ability tests. In *Fields of Psychol.* (Seashore, R. H.) N. Y., 1942, 268-81.

— True-false test.

WEIDEMANN, C. C. *How to construct the true-false examination. 118p. 8°. N. Y., 1926.

Burt, C. A judgment test for measuring intelligence. *Ment. Wellf.*, Lond., 1939, 20: 45-8.—**Chapman, J. C.** Individual injustice and guessing in the true-false examination. *J. Appl. Psychol.*, 1922-23, 6: 342 8.—**Cronbach, L. J.** Note on the multiple true-false test exercise. *J. Educ. Psychol.*, 1939, 30: 628-31. ——— An experimental comparison of the multiple true-false and multiple multiple-choice tests. *Ibid.*, 1941, 32: 533-43.—**Kinney, L. B., & Euriich, A. C.** Studies of the true-false examination. *Psychol. Bull.*, 1933, 30: 505-17.—**Krueger, W. C. F.** An experimental study of certain phases of a true-false test. *J. Educ. Psychol.*, 1932, 23: 81-91.—**Moore, C. C.** Factors of chance in the true-false examination. *J. Genet. Psychol.*, 1938, 53: 215-29. ——— The rights-minus-wrongs method of correcting chance factors in the true-false examination. *Ibid.*, 1940, 57: 317-26.

— Various methods.

HAYMANN, H. Differentialdiagnostik in der Psychiatrie; mit einem Beitrag: die diagnostische Bedeutung der Intelligenzprüfungen von Erich Stern. 261p. 8°. Dresd., 1930.

HÖFINGHOFF, L. *Untersuchungen über die Brauchbarkeit der Descoeudres'schen Tests für die Beurteilung der cerebralen Entwicklung des Spielkinds [Berlin] 44p. 8°. Charlottenb., 1931.

Argelander, A. Eine Intelligenzprüfung an Studierenden nach dem Testheftverfahren von Bohertag. *Zschr. Psychol. Physiol. Sinnesorg.*, 1. Abt., 1931, 123: 1-19.—**Blackburn, J. M.** Methods of estimating intelligence and personality and their applications. *J. Ment. Sc.*, Lond., 1938, 84: 1008-53.—**Boda, S.** Zur Methodik der reinen Verstandesprüfungen. *C. rend. Conf. internat. psychotechn.* (1934) 1935, 8. Conf., 670-83.—**Brown, M.** A simple method for rapid estimation of intelligence in adults. *Am. J. Orthopsychiat.*, 1942, 12: 411-3.—**Cason, H.** An intelligent-question method

- of teaching and testing. *J. Genet. Psychol.*, 1939, 54: 359-90. — **Cox, A.** The South African official mental hygiene scale of intelligence tests, and its clinical application. *S. Afr. M. J.*, 1934, 8: 373-5. — **Dubitscher, F.** Durchführung von Intelligenzuntersuchungen. *Reichsgesundhbl.*, 1935, 10: 369-76. — **Geschichtserzählung als Bestandteil der Intelligenzuntersuchung.** *Ibid.*, 1934, 994. — **Dunlap, K.** A new method with the complication experiment. *Psychol. Bull.*, 1917, 14: 56. — **Fervers-Pirig, A.** Der Quadrattest, eine Neugestaltung des Bourdontests auf Grund experimentell-psychologischer Untersuchungen. *Arch. ges. Psychol.*, 1938, 100: 198-222. — **Figuerido, C. A.** Contribución al estudio de la inteligencia por la prueba de Cossakovsky y su relación con el ambiente social y la cultura. *Arch. neurol.*, Madr., 1932, 12: 646-54. — **Fillmore, E. A.** Iowa tests for young children. *Univ. Iowa Stud.*, 1936, 11: 9-58, 2 pl. — **Fryer, D.** Intelligence tests in industry. *Personnel J.*, 1934-35, 13: 321-3. — **Geissler, L. R.** A new test of general intelligence. *J. Educ. Psychol.*, 1913, 4: 365. — **Germain, J., & Rodrigo, M.** Primeros resultados de un test de inteligencia general. *Arch. neurol.*, Madr., 1933, 13: 1189-221. — **Gibbons, C. C.** A short scoring method for the link P. Q. test. *J. Appl. Psychol.*, 1938, 22: 653-6. — **Giese, F.** Die Dreiwortmethode bei Intelligenzprüfungen. *Zschr. pädag. Psychol.*, 1913, 14: 524-550. — **Gordon, K.** A dissected-story test. *Psychol. Bull.*, 1917, 14: 66. — **Goudge, M.** A simplified method of conducting McDougall's spot-pattern test. *J. Educ. Psychol.*, 1915, 6: 73-84. — **Gray, C. T.** A new form of the substitution test. *Ibid.*, 1913, 4: 293-7. — **Gyllensvärd, C.** [Examinations of students as intelligence tests]. *Tskr. mil. hälsov.*, 1931, 56: 77-93. — **Haberman, J. V.** The intelligence examination and evaluation, and a new intelligence examination sheet. *J. Am. M. Ass.*, 1915, 65: 399-404. — **Hallowell, D. K.** Mental tests for pre-school children. *Psychol. Clin.*, Phila., 1925-27, 16: 235-76. — **Hayman, M.** Two minute clinical test for measurement of intellectual impairment in psychiatric disorders. *Arch. Neur. Psychiat.*, Chic., 1942, 47: 454-64. — **Hennsberg, R.** Zur Methodik der Intelligenzprüfung. *Berl. klin. Wschr.*, 1920, 57: 581-3. — **Hennes, H.** Die Leseprobe, eine neue Methode zur Prüfung der Auffassungsfähigkeit. *Zschr. ges. Neur. Psychiat.*, 1919, 51: 96-108. — **Herd, H.** A note on the use of psychological tests of mental retardation. *Med. Off.*, Lond., 1921, 25: 49. — **Intelligence tests for school children.** *Ibid.*, 26: 187. — **Hermann-Czinner, A., & Hermann, I.** Der Hebelprinzipversuch als Intelligenzprobe. *Zschr. angew. Psychol.*, 1925-26, 26: 471-87. — **Hetzler, H., & Koller, L.** Vier Testreihen für das zweite Lebensjahr. *Zschr. Psychol. Physiol. Sinnesorg.*, 1. Abt., 1930, 117: 257-306. — **Ilybinette, R.** [Intelligence test]. *Tskr. mil. hälsov.*, 1921, 49: 100-6. — **Insubato, L.** Dei metodi di esame dell'intelligenza con riguardo agli studi affini sulle associazioni delle idee. *Riv. pat. nerv.*, 1921, 26: 6-55. — **Jarrett, R. P.** A scale of intelligence of college students for the use of college appointment committees. *J. Appl. Psychol.*, 1918, 2: 43-51. — **Johnson, B.** Dunlap's method for the mean variation. *Psychobiology*, 1917-18, 1: 325. — **Kaltofen, J., & Simon, W.** Testversuche zum theoretischen und gegenständlichen Denken. *C. rend. Conf. internat. psychotechn.* (1934) 1935, 8. Conf., 430-2. — **Keller, E. D.** A test for adolescents. *Psychol. Bull.*, 1914, 11: 77. — **Kirby, T. J.** A grammar test. *School & Soc.*, 1920, 11: 714-9. — **Knox, H. A.** A test for adult imbeciles and six years old normals. *New York M. J.*, 1913, 98: 1017. — **Lauzier.** Test pour l'examen mental des enfants d'âge préscolaire. *Hyg. ment.*, Par., 1926, 21: 176-80. — **Miller, F. M., & Raven, J. C.** The influence of positional factors on the choice of answers to perceptual intelligence tests. *Brit. J. M. Psychol.*, 1939-40, 18: 35-9. — **Moran, M. F.** School tests for school grading and measures of intelligence. *Proc. Am. Ass. Study Feeble-minded*, 1921, 45. Session, 127-38. — **Moss, F. A., & Hunt, T.** Are you socially intelligent? an analysis of the scores of 7,000 persons on the George Washington University social intelligence test. *Sc. American*, 1927, 136: 108-11. — **Mowrer, W. M.** Intelligence scales for preschool children. *Child Develop.*, 1933, 4: 318-22. — **Nelson, C. W.** Testing the influence of rural and urban environment on A. C. E. intelligence test scores. *Am. Sociol. Rev.*, 1942, 7: 743-51. — **Paschal, F. C.** A report on the standardization of the Witmer cylinder test. *Psychol. Clin.*, Phila., 1918, 12: 54-9. — **Penrose, L. S., & Raven, J. C.** A new series of perceptual tests: preliminary communication. *Brit. J. M. Psychol.*, 1936-37, 16: 97-104, pl. — **Pintner, R., & Toops, H. A.** A revised directions test. *J. Educ. Psychol.*, 1918, 8: 123-42. — **Plinio Olinto.** A proposito da prova de Demoor. *Arch. brasil. med.*, 1918, 8: 65. — **Poull, L. E.** Clinical values of the Rhode Island intelligence test and the town picture game. *J. Appl. Psychol.*, 1927-28, 11: 68-72. — **Raven, J. C.** Matrix tests. *Ment. Health*, Lond., 1940, 1: 10-18, pl. — **Standardization of progressive matrices.** 1938. *Brit. J. M. Psychol.*, 1941, 19: 137-50. — **Reinhart, Sister Miriam.** Studies in psychology and psychiatry, a scale for measuring the G-factors in intelligence. *Stud. Psychol. Cath. Univ. America*, 1930, 2: 1-42. — **Richardson, C. A.** The ultimate measurement of intelligence. *Psyche*, Lond., 1923-24, n. ser., 4: 67-70. — **Ries, G.** Beiträge zur Methodik der Intelligenzprüfung. *Zschr. Psychol. Physiol. Sinnesorg.*, 1910, 56: 1. Abt., 321-43. — **Robbins, S. D.** A new objective test for verbal imagery types. *Psychol. Rev.*, 1920, 27: 38-49. — **Roberts, K. E.** The ability of pre-school children to solve problems in which a simple principle of relationship is kept constant. *J. Genet. Psychol.*, 1922, 40: 118-35. — **Rosanoff, A. J.** Preliminary report of a higher scale of mental measurement. *Psychol. Bull.*, 1914, 11: 63. — **Rüdiger, J.** Testreihe zur Untersuchung der Intelligenz fünf- bis sechsjähriger Kinder. *Arch. ges. Psychol.*, 1931, 90: 167-86. — **Schiff, H.** Intelligenz und Lückentest; eine Untersuchung zu den Lösungsmethoden des Ebbinghaus-Tests. *Ibid.*, 1936, 96: 1-22. — **Stern, W.** Höhere Intelligenztests zur Prüfung Jugendlicher. *Zschr. pädag. Psychol.*, 1918, 19: 65-100. — **Thorndike, E. L.** Measurement of intelligence. *Psychol. Rev.*, 1924, 31: 219. — **Thorndike, R. L.** Two screening tests of verbal intelligence. *J. Appl. Psychol.*, 1942, 26: 128-35. — **Todd, J. W.** Preliminary Courtis tests in North Dakota. *School & Soc.*, 1919, 9: 65-8. — **Tyron, C. McC.** The opinion test, its form, content, scoring and administration. *Monogr. Soc. Res. Child Develop.*, 1939, 4: No. 4, 3-9. — **Updegraff, R.** The determination of a reliable intelligence quotient for the young child. *J. Genet. Psychol.*, 1932, 41: 152-66. — **Valentine, C. W.** The attempts to test intelligence at 6 or 12 months. In his *Psychol. Early Childh.*, Lond., 1942, 6-10. — **Voorthuysen, A. van.** Verstandsmetingen bij schipperskinderen. *Ned. mschr. verlosk.*, 1915, 4: 480-7. Also *Ned. tschr. geneesk.*, 1915, 2: 2627-9. — **Voss, H. A., & Dunlap, J. W.** Determination of the Heims personal constant. *J. Consult. Psychol.*, 1937, 1: 57-61. — **West, P. V.** The significance of weighted scores. *J. Educ. Psychol.*, 1924, 15: 302-8. — **Wreschner, L.** Testreihe zur Untersuchung der Intelligenz sechs- bis siebenjähriger Kinder. *Arch. ges. Psychol.*, 1932, 86: 183-230, pl. — **Ziehen, T.** Einige Ergänzungen zu den Methoden der Intelligenzprüfung. *Arch. Psychiat.*, Berl., 1918, 59: 493-500. — **Zink, G.** Testreihe zur Untersuchung der Intelligenz dreizehnjähriger Volksschüler (mit Beiträgen zur Untersuchung der kindlichen Intelligenz im Vergleich zu der Intelligenz von Erwachsenen). *Arch. ges. Psychol.*, 1931, 80: 463-51, pl.
- **Vocabulary test.**
- WEEKS, A. L.** *A vocabulary information test [Columbia Univ.] 72p. 8°. N. Y., 1928.
- Babcock, H.** The bottleneck in psychology as illustrated by the Terman vocabulary test. *Psychol. Rev.*, 1943, 50: 244.
- Bennett, G. K., & Roslow, S.** Extension of the norms of the Columbia vocabulary test. *J. Appl. Psychol.*, 1941, 25: 48-51. — **Hebb, D. O.** Verbal test material independent of special vocabulary difficulty. *J. Educ. Psychol.*, 1942, 33: 691-6. — **Heinan, M., & Schröder, P.** Der Wortschatztest. *Zschr. pädag. Psychol.*, 1928, 29: 516-36. — **Terman, L. M.** The vocabulary test as a measure of intelligence. *J. Educ. Psychol.*, 1918, 9: 452-66. — **Tilley, H. C.** A technique for determining the relative difficulty of word meanings among elementary school children. *Bull. Univ. Pittsburgh*, 1935, 32: No. 1, 217-23. — **Twigg, A. M.** A new French vocabulary test. *School & Soc.*, 1924, 20: 734.
- **Yerkes point scale test.**
- YERKES, R. M., BRIDGES, J. W., & HARDWICK, R. S.** A point scale for measuring mental ability. 218p. 8°. Balt., 1915.
- Cooper, A. T.** The use of the Yerkes-Bridges point scale in intelligence tests. *Mil. Surgeon*, 1923, 53: 15-8. — **Garrison, S. C.** Yerkes point scale for measuring mental ability as applied to normal adults. *Psychol. Bull.*, 1917, 14: 152. — **Hardwick, R. S.** The weighting of point scale tests. *J. Educ. Psychol.*, 1917, 8: 416-21. Also *Psychol. Bull.*, 1917, 14: 73. Also *Bull. Massachusetts Comm. Ment. Dis.*, 1917-18, 1: 170-9; 1918-19, 2: 170-9. — **Yerkes, R. M.** The point scale method of measuring mental ability. *Psychol. Bull.*, 1915, 12: 69. — **Point-scale coefficients of intelligence.** *Ibid.*, 1917, 14: 72. — **Practical mental measurement; intelligence tests for elementary schools.** *Sc. Am. Month.*, 1920, 1: 270-3. — **& Bridges, J. W.** The point scale, a new method for measuring mental capacity. *Boston M. & S. J.*, 1914, 171: 857-66. — **Yerkes, R. M., & Rossy, C. S.** A point scale for the measurement of intelligence in adolescent and adult individuals. *Bull. Massachusetts Comm. Ment. Dis.*, 1918-19, 2: 132-52.
- INTemperance.**
- See under such headings as **Alcoholism; Appetite, excessive; Desire; Drug addiction; Pleasure, etc.**
- INTENTION.**
- See **Impulse; Will.**
- INTENTION tremor.**
- See under **Tremor.**
- INTERALLIED Conference on the Aftercare of Disabled Men.** 3. Conf. [Roma, 1919] L'assistenza di guerra in Italia; assistenza militare, pensioni di guerra. viii, 815p. facs. tab. diagr. 26cm. Roma, Soc. anon. poligr. ital., 1919.

INTER-ALLIED Surgical Conference [1917]

See in 5, ser. **Great Britain. War Office.** General principles guiding the treatment of wounds of war. 40p. 13½cm. Lond. [1917]

INTER-AMERICAN Bibliographical and Library Association. 3. Convention [Wash., D. C., Feb. 23-24, 1940] Proceedings. 371p. 23cm. N. Y., H. W. Wilson co., 1941.

Forms v.3, ser. 2, Pub. Inter-Amer. Bibliogr. Libr. Ass.

INTER-AMERICAN bibliographical review. Wash., D. C., v.1, 1941-

INTERAMERICANISM.

See also **Internationalism**; also under such headings as **Health law**, international; **Health organization**, international, etc. For inter-american congresses see Tentative List of Congresses in the 3. volume of the 4. series of the Index-Catalogue.

UNITED STATES. STATE DEPARTMENT. DIVISION OF CULTURAL RELATIONS. Conference on inter-American relations in the field of education, Nov. 9-10, 1939: Report of the General Findings Committee and reports and recommendations of the 6 group meetings on Nov. 10. 24p. 27cm. Wash., 1939.

— Conference on inter-American relations in the field of education: Continuation Committee in Medicine and Allied Fields. Minutes of meeting of March 8, 1940. 37p. 27cm. Wash., 1940.

— Conference on inter-American relations in the field of education: Temporary Continuation Committee. Minutes of meeting of Feb. 2 and 3, 1940. 25p. 27cm. Wash., 1940.

— Conference on inter-American relations in the field of publications and libraries, Nov. 29-30, 1939: Digest of proceedings and addresses. 55p. 26½cm. Wash., 1940.

— Conference on inter-American relations in the field of publications and libraries: Minutes of meeting of March 25, 1940. 15p. 27cm. Wash., 1940.

— List of persons compiled in connection with the 4 conferences on inter-American cultural relations, Washington, D. C., October and November 1939. 111 numb. l. 26½cm. Wash., 1940.

WHITAKER, A. P. Inter-American affairs, 1941; Annual survey: No. 1. 240p. 23½cm. N. Y., 1942.

Centenary (the) of General Santander at the Pan American Union. Bull. Panamer. Union, 1940, 74: 434-6.—**Drury, A.** The Cruiser La Argentina at San Francisco, California. Ibid., 463-6.—**Schurz, W. L.** Public health, social welfare, and labor. In Inter-Amer. Affairs (Whitaker, A. P.) N. Y. (1941) 1942, No. 1, 151-68.—**Whitaker, A. P.** A half century of inter-American relations, 1889-1940. In his Inter-Amer. Affairs, N. Y. (1941) 1942, No. 1, 3-40.

— Medical relations.

See also **Health law**, international; **Health organization**, international; **Panamerican Medical Association**; **Panamerican Sanitary Bureau**, etc.

American republics win victory over disease. Panamerican, 1941-42, 2: No. 7, 22.—**Cooperación sanitaria interamericana.** Bol. Of. san. panamer., 1940, 19: 988.—**Fellowships for Latin Americans.** J. Am. M. Ass., 1942, 119: 1124.—**Fishbein, M.** Inter-American medical relationships. Ibid., 120: 1186-8.—**Grau, L. C.** El día 2 de diciembre en las Américas, un ciclo de armonía entre las naciones americanas. Rev. med. cir., Barranquilla, 1941, 8: 19-29.—**Panamericanismo (El) y la medicina.** Med. ibera, 1934, 28: pt 1, p. clxxx.—**Parran, T.** Solidaridad sanitaria en las Américas. América clín., 1942, 3: No. 2, 10.—**Ramos, D. F.** La salud pública como factor importantísimo en la defensa panamericana. Médicas, N. Y., 1941-42, 2: No. 4, 57-60. — La salud pública como una parte muy importante de la defensa panamericana. Rev.

san. mil., Habana, 1942, 6: 5-14.—**Reed, C. A. L.** The relation of the medical profession to the practical Pan-Americanism of the 20th century. Lancet-Clinic, 1915, 63: 712-7.—**Sawyer, W. A.** Speeding health progress in the Americas. J. Am. M. Ass., 1942, 120: 1189.—**Stice, L.** Medical relationships of the American nations. Ibid., 118: 234-7.

— Organization.

MacEachern, M. T. Memorandum of inter-American activities of the American College of Surgeons for the Conference on inter-American relations in the field of education, Nov. 9-10, 1939. 10 l. 28½cm. Wash., 1939.

UNITED STATES. STATE DEPARTMENT. Preliminary survey of inter-American cultural activities in the United States. 159 numb. l. 26½cm. [Wash.] 1939.

— The program of the Department of State in cultural relations. 32p. 23½cm. Wash., 1942.

Balseiro, J. What of special interest to the United States can the other American republics contribute? Digest Proc. Conf. Interamer. Relat. Pub. Libr., 1940, 11-3.—**Canyes, M.** Registration of treaties in the Pan American Union. Bull. Panamer. Union, 1942, 76: 524-30.—**Comité permanente de intercambio cultural entre las facultades de medicina de la Universidad de Cornell y la Universidad de la Habana.** Bol. Of. san. panamer., 1941, 20: front.—**Crawford, W. R.** Conference on intellectual cooperation. In Inter-Amer. Affairs (Whitaker, A. P.) N. Y. (1941) 1942, No. 1, 136-9.—**Eighth (The) International Conference of American States.** Bull. Panamer. Union, 1938, 72: 617-9.—**Fiftieth (The) anniversary of the Pan American Union in Washington.** Ibid., 1940, 74: 421-33.—**Furbay, J. H.** Havana conference of Committees on Intellectual Cooperations from American countries. Science, 1941, 94: No. 2448, 10.—**Gallegher, M. C.** Inter-American conference on systems of economic and financial control. Bull. Panamer. Union, 1942, 76: 481-7.—**Hall, R. K., & Stanton, M. G.** Latin America in the New Education Fellowship Conference. Ibid., 1941, 75: 519-24.—**Havana (The) Conference of National Committees on Intellectual Cooperation.** Science, 1941, 94: 457.—**Inter-America (The) Bureau of the New York Academy of Medicine.** Ibid., 1942, 95: 188.—**Inter-American institute needed.** Panamerican, 1940-41, 1: No. 3, 16.—**MacKay, J. A.** What of special interest to the other American republics can the United States contribute? Digest Proc. Conf. Interamer. Relat. Pub. Libr., 1940, 13-8.—**Manger, W.** The Pan American Union and the conclusions of the 7th international conference of American states. Bull. Panamer. Union, 1935, 69: 77-94.—**Paz Soldán, C. E.** La Amazonia, crisol para un mundo nuevo, ponencia presentada a la consideración de la III reunión del Instituto panamericano de geografía y de historia. Reforma méd., Lima, 1941, 27: 390.—**Rowe, L. S.** The Habana meeting of the ministers of foreign affairs of the American Republics. Bull. Panamer. Union, 1940, 74: 609-25.—**Second (The) Inter-American Travel Congress.** Ibid., 1941, 75: 525-7.—**State Department Conferences on Inter-American Cultural Relations.** Ibid., 1940, 74: 79-81.—**Tercera Reunión internacional de los estados del Golfo y del Caribe.** Ciencia, Méx., 1941, 2: 209-13.—**Tercero, J.** First Inter-American Travel Congress. Bull. Panamer. Union, 1938, 72: 465-70.—**Thomson, C. A.** The profits of cultural interchange. Ibid., 1939, 73: 489-99.—**Whitaker, A. P.** Pan Americanism, 1889-1928. In his Inter-Amer. Affairs, N. Y. (1941) 1942, No. 1, 10-5.—**Wickham, F. R.** The Inter-American Summer University at San José, Costa Rica. Bull. Panamer. Union, 1941, 75: 721-3.

INTERAMERICAN Statistical Institute

[Washington, D. C.] Statistical activities of the American nations, 1940; ed. under the direction of the temporary organizing committee, by Elizabeth Phelps. xxxi, 842p. ch. 24cm. Wash., 1941.

INTERBRAIN.

See Brain, Diencephalon.

INTERCOSTAL artery.

Edling, N. P. G. Aneurysm of an intercostal artery with simultaneous, sarcomatous destruction of an adjacent, dorsal vertebra. Acta radiol., Stockh., 1941, 22: 411-21.—**Graham, E. A., Bigger, I. A.** [et al.] Ligation of an intercostal artery. In Neurosurg. & Thorac. Surg. (U. S. Nat. Res. Council) Phila., 1943, 267. — Pericostal suture for hemorrhage from intercostal artery. Ibid., 268.—**Lowe, T. E.** Fatal rupture of an intercostal aneurysm. Melbourne Hosp. Clin. Rep., 1933, 4: 120.

INTERCOSTAL muscle.

See also **Respiration, Mechanism.**

Bucciante, L. Morfologia e morfogenesi dei muscoli e dei ligamenti intercostali. *Arch. ital. anat.*, 1939, 41: 475-526.—**Delmas.** Désinsertion traumatique des muscles intercostaux. *Bull. Soc. anat. Paris*, 1924, 94: 243.—**Favaro, G.** Intorno ai così detti muscoli intercostales intermedi nell'uomo. *Boll. Soc. med. chir. Modena*, 1928, 29: 22.—**Fick, R.** Ueber die Zwischenrippenmuskeln. *Sitzber. Preuss. Akad. Wiss.*, 1923, phys. math. Kl., 65-72.—**Hoover, C. F.** Further observations on the functions of the intercostal muscles. *Tr. Ass. Am. Physicians*, 1919, 34: 98-108. Also *J. Am. M. Ass.*, 1919, 73: 17-20. — The functions and integration of the intercostal muscles. *Tr. Ass. Am. Physicians*, 1922, 37: 7-49. Also *Arch. Int. M.*, 1922, 30: 1-33.—**Martins Vicente, F., jr.** Contribution à l'étude du rôle physiologique des muscles intercostaux chez l'homme. *Fol. anat. Univ. conimbr.*, 1927, 2: No. 7, 1-5.—**Swerdluk, D.** Der Musculus intercostalis marginalis des Pferdes. *Anat. Anz.*, 1927, 64: 251-5.

INTERCOSTAL nerve.

Baudet, A. Un point de l'anatomie topographique du XII^e nerf intercostal applicable à l'interprétation de la valeur lésionnelle du McBurney. *Gaz. hôp.*, 1937, 110: 925-8.—**Böhme, H.** Schädigung des Rückenmarks als Folge der Interkostalnervenblockade nach Leotta. *Schweiz. med. Wschr.*, 1942, 72: 108.—**Huard, P., & Joyeux, P.** Neurinome du 10^e nerf intercostal droit. *Ann. anat. path.*, Par., 1939, 16: 225-7.—**Kahn, A. J.** Studies on intercostal nerve physiology. *Proc. Soc. Exp. Biol.*, N. Y., 1940, 44: 514-7.—**Krikunow, M., & Molotkova, T.** Zur Frage über die Innervation der Mm. intercostales bei den Haussäugetieren. *Morph. Jahrb.*, 1936, 77: 692-7.—**Latteri, S.** L'alcolizzazione dei nervi intercostali nella terapia delle ferite toraco-polmonari. *Minerva med.*, Tor., 1940, 32: pt 1, 136 (Abstr.).—**Neiman, B.** Von Recklinghausen's disease with neurogenic sarcoma of the second right intercostal nerve. In *Path. Conf. (Jaffé, R. H.) Chic.*, 1940, 999-1002.

INTERCOSTAL space.

See also **Thorax.**

Hébraud, A. Etude de l'espace intercostal sur coupes histologiques en série. *Ann. anat. path.*, Par., 1938, 15: 1065-72.—**Siddiqi, M. A. H., & Mullick, A. N.** On the anatomy of intercostal spaces in man and certain other mammals. *J. Anat.*, Lond., 1934-35, 69: 350-5.—**Silvestri, U.** Studio sopra gli spazi intercostali ed intercondrali e sulla correlazione tra il valore degli spazi stessi ed il peso corporeo nei bambini di età inferiore ai 12 anni. *Arch. ital. pediat.*, 1936, 4: 235-56.

INTERCOSTAL vein.

Baune, W. Ueber die Interostalvenen des menschlichen Körpers. *Ber. Sachs. Ges. Wiss.*, 1883, 35: 76-81.—**Pancrazi, G.** Le vene intercostales supremae. *Boll. Soc. med. chir. Modena*, 1934, 34: 107-9.

INTEREST.

See also **Attention; Heredity, Mental traits; Knowledge; Learning; Vocation.**

Anderson, W. A. The occupational attitudes of college men. *J. Social Psychol.*, 1934, 5: 435-66.—**Arsenian, S.** The relation of evaluative attitudes to vocational interest and social adjustment. *Ibid.*, 1943, 17: 17-24.—**Boynton, P. L.** The vocational preferences of school children. *J. Genet. Psychol.*, 1939, 49: 411-25.—**Bridges, K. M. B.** The occupational interests and attention of four-year-old children. *Ibid.*, 1929, 36: 551-70.—**Canning, L., Taylor, K. V. F., & Carter, H. D.** Permanence of vocational interests of high-school boys. *J. Educ. Psychol.*, 1941, 32: 481-94.—**Carter, H. D.** The development of vocational attitudes. *J. Consult. Psychol.*, 1940, 4: 185-91. — & **Strong, E. K., jr.** Sex differences in occupational interests of high school students. *Personnel J.*, 1933, 12: 166-75.—**Crosby, R. C., & Winsor, A. L.** The validity of students' estimates of their interests. *J. Appl. Psychol.*, 1941, 25: 408-14.—**Di Michael, S. G.** Using interests as the basis of vocational choice. *Occupations*, 1941-42, 20: 270-5.—**Duffy, E., & Crissy, W. J. E.** Evaluative attitudes as related to vocational interests and academic achievement. *J. Abnorm. Psychol.*, 1940, 35: 226-45.—**Finch, F. H., & Odoroff, M. E.** Sex differences in vocational interests. *J. Educ. Psychol.*, 1939, 30: 151-6.—**Folsom, J. K.** What can the psychology of interests, motives and character contribute to vocational guidance? *J. Appl. Psychol.*, 1917, 1: 253-64.—**Fryer, D.** Intelligence and interest in vocational adjustment, a statistical study. *Pedag. Semin.*, Worcester, 1923, 30: 127-51.—**Garrison, K. C.** A study of the interests of college students. *Psychol. Monogr.*, Princeton, 1938, 50: No. 5, 183-292.—**Gilger, G. A., jr.** Declarations of vocational interests. *Occupations*, 1941-42, 20: 276-9.—**Guillet, C.** A study in interests. *Pedag. Semin.*, Worcester, 1907, 14: 322-8.—**Guthrie, E. R.** Interests. In *his Psychol. Human Conflict*, N. Y., 1938, 117-31.—**Hurlock, E. B., & Jansing, C.** The vocational attitudes of boys and girls of high-school age.

J. Genet. Psychol., 1934, 44: 175-91.—**Kitson, H. D.** Creating vocational interests. *Occupations*, 1941-42, 20: 567-71.—**Kuder, G. F.** The stability of preference items. *J. Social Psychol.*, 1939, 10: 11-50.—**Lehman, H. C., & Witty, P. A.** Sex differences in vocational attitudes. *J. Appl. Psychol.*, 1936, 20: 576-85.—**Lunk, G.** Das Interesse. *Zschr. pädag. Psychol.*, 1927, 28: 305-31. 1928, 29: 225-46.—**Marzi, A.** Indagini sulle inclinazioni professionali. *Riv. psicol.*, 1935, 31: 104-25.—**Oldfield, R. C.** Some factors in the genesis of interest in psychology. *Brit. J. Psychol.*, 1939-40, 30: 109-23.—**Pintrich, R., & Forlan, C.** Dominant interests and personality characteristics. *J. Gen. Psychol.*, 1939, 21: 251-60.—**Rubisoff, R.** Interest-values in relation to occupational attitudes and vocational choice. *Psychol. Bull.*, 1942, 39: 436 (Abstr.).—**Stephens, J. M.** The perception of small differences as affected by self interest. *Am. J. Psychol.*, 1936, 48: 480-4.—**Strong, E. K., jr.** Interests of men and women. *J. Social Psychol.*, 1936, 7: 49-67. — & **MacKenzie, H.** Permanence of interests of adult men. *Ibid.*, 1930, 1: 152-9.—**Thorndike, E. L.** Early interests: their permanence and relation to abilities. *School & Soc.*, 1917, 5: 178.—**Van Dusen, A. C.** Permanence of vocational interests. *J. Educ. Psychol.*, 1940, 31: 401-24.—**Wickert, F.** The interrelationships of some general and specific preferences. *J. Social Psychol.*, 1940, 11: 275-302.—**Wohlfahrt, E.** Die Interessenforschung als Hilfsmittel der Persönlichkeitsdiagnose. *Zschr. angew. Psychol.*, 1938, Beih. 79, 118-31.

Measurement.

Arsenian, S. A further study of the validity of the Cleator vocational interest inventory. *Occupations*, 1941-42, 20: 94-9.—**Bedell, R.** The relationship between self-estimated and measured vocational interests. *J. Appl. Psychol.*, 1941, 25: 59-66.—**Brewer, J. M.** Classification of items in interest inventories. *Occupations*, 1942-43, 21: 448-51.—**Carter, H. D., Taylor, K. von F., & Canning, L. B.** Vocational choices and interest test scores of high school students. *J. Psychol.*, Provincet., 1941, 11: 297-306.—**Cattell, R. B.** The measurement of interests. *Rep. Brit. Ass. Advance. Sc.*, 1935, 442.—**Churchill, R. D.** An interest test for route salesmen and mechanics. *J. Appl. Psychol.*, 1942, 26: 669-81.—**Ferguson, L. W., Humphreys, L. G., & Strong, F. W.** A factorial analysis of interests and values. *J. Educ. Psychol.*, 1941, 32: 197-204.—**Fryer, D.** The psychological examination of interests for guidance. *Psychol. Clin.*, 1930-31, 19: 34-47.—**Glaser, E. M., & Maller, J. B.** The measurement of interest values. *Character & Personality*, 1940-41, 9: 67-81.—**Gordon, H. C., & Herkness, W. W., jr.** Pupils appraise vocational interest blanks. *Occupations*, 1941-42, 20: 100-2. — Do vocational interest questionnaires yield consistent results? *Ibid.*, 424-9.—**Greene, E. B., & Dahlem, V.** The Michigan vocational preference list. *J. Appl. Psychol.*, 1938, 22: 558-75.—**Harper, B. P., & Dunlap, J. W.** Derivation and application of a unit scoring system for the strong vocational interest blank for women. *Psychometrika*, Colorado Springs, 1942, 7: 289-95.—**Johnson, H. M.** Analysis of Bernreuter's inventory as a predictor of success in certain vocations; a problem in scientific method. *Psychol. Bull.*, 1941, 38: 694.—**Kopas, J. S.** The point-tally; a modified method of scoring the Strong's vocational interest blank. *J. Appl. Psychol.*, 1938, 22: 426-36.—**Lentz, T. F., & Nickel, E. F.** Opinionnaire correlates of specific vocational preferences. *Ibid.*, 1941, 25: 391-400, 514-23.—**Lester, H., & Traxler, A. E.** Simplified method for scoring the Strong Vocational Interest Blank applied to a secondary-school group. *J. Educ. Psychol.*, 1942, 33: 628-31.—**Lurie, W. A.** Estimating the level of vocational aspiration. *J. Social Psychol.*, 1939, 10: 467-73.—**McHale, K.** An information test of interests. *Psychol. Clin.*, Phila., 1930-31, 19: 53-8.—**Miner, J. B.** Interest psychographs. *Psychol. Bull.*, 1921, 18: 83.—**Moffie, D. J.** The validity of self-estimated interests. *J. Appl. Psychol.*, 1942, 26: 606-13. — The relationship between self-estimated and measured interests. *Psychol. Bull.*, 1942, 39: 575.—**Peterson, B. M., & Dunlap, J. W.** A simplified method for scoring the strong vocational interest blank. *J. Consult. Psychol.*, 1941, 5: 269-74. — Derivation and application of a unit scoring system for the strong vocational interest blank for women. *Psychol. Bull.*, 1941, 38: 607.—**Reed, H. B.** The place of the Bernreuter personality, Stenquist mechanical aptitude, and Thurstone vocational interest tests in college entrance tests. *J. Appl. Psychol.*, 1941, 25: 528-34.—**Sarbin, T. R., & Berdie, R. F.** Relation of measured interests to the Allport-Vernon study of values. *Ibid.*, 1940, 24: 287-96.—**Siebert, H.** Beitrag zur Bestimmung der Interessenrichtung von Schülern auf Grund von Schülerfragen. *Arch. Ges. Psychol.*, 1928, 64: 93-124.—**Skodak, M., & Crissey, O. L.** Stated vocational aims and strong interest test scores of high school senior girls. *J. Appl. Psychol.*, 1942, 26: 64-74.—**Super, D. E., & Hladad, W. C.** The effect of familiarity with an occupational field on a recognition test of vocational interest. *J. Educ. Psychol.*, 1943, 34: 103-9.—**Super, D. E., & Roper, S. A.** An objective technique for testing vocational interests. *J. Appl. Psychol.*, 1941, 25: 487-98.—**Taylor, K. v. F., & Carter, H. D.** Retest consistency of vocational interest patterns of high-school girls. *J. Consult. Psychol.*, 1942, 6: 95-101.—**Thomson, W. A.** An inventory for measuring socialization, self-seeking and its relationship to the study of values tests, the ACE psychological examination, and the Strong vocational interest blank. *J.*

Appl. Psychol., 1941, 25: 202-12.—**Thorndike, R. L.** Critical note on the Pressey interest attitudes test. *Ibid.*, 1938, 22: 657.—**Williamson, E. G.** The measurement of vocational interests. In *Fields of Psychol.* (Seashore, R. H.) N. Y., 1942, 335-46.

INTERFACE.

See also **Adhesion; Colloid chemistry; Surface.**
Baudisch, O. Röntgenographische und magnetometrische Methoden zur Erforschung der Chemie der Grenzflächen; über raumisomere Eisenoxyde und Eisenoxydhydrate. *Abstr. Internat. Physiol. Congr.*, 1929, 13. Congr., 17.—**Culbertson, J. L., & Luedtke, K. D.** The interfacial tensions of some mercury-hydrocarbon oil systems. *J. Phys. Chem.*, 1938, 42: 469-73.—**Davis, J. K., & Bartell, F. E.** Interfacial-tension studies of sodium laurate solutions. *Ibid.*, 1943, 47: 40-50.—**Eucken, A.** Energie- und Stoffaustausch an Grenzflächen. *Naturwissenschaften*, 1937, 25: 209-18.—**Glidden, K. E.** Measurement of the interfacial tension at a mercury-mercurous sulfate solution interface by the drop weight method. *J. Am. Chem. Soc.*, 1935, 57: 236.—**Harkins, W. D., & Jordan, H. F.** A method for the determination of surface and interfacial tension from the maximum pull on a ring. *Ibid.*, 1930, 52: 1751-72.—**King, C. V.** Reaction rates at solid-liquid interfaces. *Ibid.*, 1935, 57: 828-31.—**Kopac, M. J.** Behavior of cytoplasmic proteins at oil-water interfaces. *Anat. Rec.*, 1941, 81: Suppl., 74.—**Linner, E. R., & Gortner, R. A.** Interfacial energy and the molecular structure of organic compounds. In *Colloid Sympos. Monogr.*, Balt., 1935, 35-67.—**Lundegårdh, H.** Ueber biologische Grenzflächenpotentiale. *Biochem. Zschr.*, 1938, 39: 300; 167-74.—**Michaud, F.** Tension interfaciale et adhésive. *J. chim. phys.*, Par., 1939, 36: 23-35.—**Patat, F. H.** Die Grunderscheinungen an Grenzflächen und ihre physikalisch-chemische Deutung. *Kolloid Zschr.*, 1943, 102: 90 (Abstr.).—**Taubmann, A.** Grenzflächenaktivität und Orientierung polarer Moleküle in Abhängigkeit von der Natur der Trennungsfäche; Grenzflächenaktivität und Adsorption von *p*-Toluidin an Grenzflächen flüssig. *Zschr. phys. Chem., Abt. A*, 1932, 161: 129.—**Vellinger, E., & Grégoire, A.** Influence des impuretés superficielles sur les mesures de la tension interfaciale. *Bull. Soc. chim. France*, 1937, 5. ser., 4: mém., 716.—**Vonneut, B.** Rotating bubble method for the determination of surface and interfacial tensions. *Rev. Sc. Instrum.*, 1942, 13: 6-9.—Hydrometer-type float method for measuring surface and interfacial tensions. *Ibid.*, 82.

INTERFERENCE [immun.]

For interference of light waves see under **Light**.

Fischl, V., & Fischl, L. Arzneifestigkeit, Avidität, Interferenz. *Zschr. Immunforsch.*, 1934, 83: 324-35.—**Hasskö, A.** Beiträge zur Kenntnis des chemotherapeutischen Interferenzphänomens. *Zschr. ges. exp. Med.*, 1932, 83: 792.—Weitere Untersuchungen über das chemotherapeutische Interferenzphänomen. *Ibid.*, 1933, 87: 567-77.—**Schnitzler, R.** Untersuchungen zur Chemozeptortheorie; das Interferenzphänomen von Browning und Gulbranson. *Zschr. Immunforsch.*, 1926, 47: 116-33.—**Rosenberg, E.** Untersuchungen zur Chemozeptortheorie; Vergleich des Interferenzphänomens an parafuchsinesten und normalen Trypanosomen. *Ibid.*, 49: 393-9.

INTERFEROMETRY.

See also **Blood protein, Determination; Cerebrospinal fluid, Interferometry; Endocrine system, Examination, etc.**

LEMKE, W. *Statistische und experimentelle Untersuchungen über die Interferometrie. 18p. 8° Berl., 1937.

Demoll, R., Seiser, A., & Walz, L. Anwendung des Interferometers in der Süßwasserforschung. In *Handb. biol. Arbeitsmeth.* (Abderhalden) Berl., 1936, 9: pt 2, 1259-78.—**Grigaut, A., & Bettend, E.** Les facteurs physico-chimiques dans la technique interférométrique de Hirsch; leur importance et leurs variations. *Bull. Soc. chim. biol.*, Par., 1935, 17: 420-31.—**Harrold, G. C., & Gordon, L. E.** Use of interferometer for 2 component mixtures. *J. Indust. Hyg.*, 1939, 21: 491-7.—**Levent, R.** Les principes généraux de l'interférométrie. *Gaz. hôp.*, 1933, 106: 233-5.—**Luten, D. B., jr.** The application of the Rayleigh interferometer to the measurement of reaction velocity. *J. Phys. Chem.*, 1935, 39: 199-211.—**Twyman, F.** The interferometer in lens and prism manufacture. *Nature, Lond.*, 1943, 151: 43-6.

— clinical.

DURUPT, A. L'interférométrie en clinique. 204p. 12° Par., 1932.

LEIPUNER, S. *Die Bedeutung der Interferometrie für die klinische Diagnostik und Therapie [Berlin] 21p. 8° Berl., 1930.

LOEBEL, R. *Contribution à l'étude de l'interférométrie en gynécologie. 74p. 8° Par., 1934.

Amat Bargués, M. Las nuevas técnicas de interferometría (Hirsch) aplicadas a la clínica. *Med. ibera*, 1936, 30: pt 2, 284.—**Amschler, J. W.** Ein Beitrag zur Methodik des Löwe-Zeisschen Interferometers in seiner Anwendung auf Blutuntersuchungen. *Biochem. Zschr.*, 1926, 179: 199-209.—**Antonioti, U.** La méthode interférométrique, ses applications à la clinique. *Marseille méd.*, 1933, 70: 589-605.—**Becker, H.** Ueber Fehlerquellen des interferometrischen Abbaubildes. *Zschr. ges. exp. Med.*, 1936-37, 100: 533-46.—**Chiale, G. F., & Beltrami, A.** Ricerche sperimentali sul metodo interferometrico di Hirsch con particolare riguardo alla sua applicazione in dermatologia e venerologia. *Gior. ital. derm. sif.*, 1939, 80: 1003-65, 2 pl.—**Davanzo, L.** L'interferometria e le sue applicazioni in ginecologia. *Riv. ital. gin.*, 1927, 6: 433-55.—**Desaux, A., & Guillaumin, C. O.** Utilisation de l'examen séro-interférométrique de Hirsch en gynécologie. *J. obst. gyn.*, Par., 1934, 5: No. 3, 12-28.—**Durupt, A., & Schlesinger, C.** Le poids des opzimes dans la technique interférométrique. *C. rend. Soc. biol.*, 1932, 109: 1274-6.—Contrôle des substrats dans l'interférométrie; nouvelle interprétation des résultats. *Ibid.*, 1933, 112: 283-5.—**Emerie, E. E.** La interférometria en clinica. *Dia méd. Uruguay*, 1934, 1: 145.—**Góes, P. de.** A interferometria na pratica clinica. *Brazil med.*, 1940, 54: 169-73.—**Guillaumin, C. O.** Diagnostic des états dysendocriniens et du cancer par l'examen du sang selon la technique interférométrique de Hirsch. *Presse méd.*, 1931, 39: 34-6.—**Haynes, G. S., & Wolf, C. G. L.** The interferometer method in the diagnosis of pregnancy and malignant conditions. *J. Cancer Res.*, 1926-27, 11: 301-23.—**Henry, A. F. N.** La séro-interférométrie de Hirsch. *Paris méd.*, 1929, 73: 173-80.—**Hirsch, P.** Interferometrische Untersuchungen und ihre Bedeutung für Diagnose und Therapie speziell in der Gynäkologie und Geburtshilfe. *Fortsch. Ther.*, 1925, 1: 334-8.—**Hohl, H.** Diagnostische Erfahrungen mit der Interferometrie. *Schweiz. med. Wschr.*, 1928, 58: 861-4.—**Jeziński, W.** [Clinical significance of interferometer investigations] *Nowiny lek.*, 1937, 49: 592-6.—**Jochims, J.** Zur Kritik der Interferometrie. *Msch. Kinderh.*, 1937, 71: 226-9.—**Kaufmann, E.** Vom Irrtum der Interferometerdiagnostik. *Deut. med. Wschr.*, 1927, 53: 1731.—**Knopf, E.** Zur Kritik der Interferometrie. *Msch. Kinderh.*, 1937, 70: 27-53; 1937, 71: 230-2.—**Laignel-Lavastine.** Sympathie et interférométrie. *Progr. méd.*, Par., 1934, 921-30.—**Laroche, G., & Grigaut, A.** Valeur clinique de interférométrie. *Bull. Soc. méd. hôp. Paris*, 1935, 3. ser., 51: 98-106.—**Laurent-Gérard, P., & Simonnet, H.** Recherches expérimentales sur l'interférométrie. *C. rend. Soc. biol.*, 1934, 116: 854-7.—La méthode interférométrique appliquée à l'étude des glandes vasculaires sanguines et des tumeurs. *Paris méd.*, 1935, 97: 34-6.—**Lendel, E., & Wadel, J.** Neue Untersuchungen zur Interferometrie. *Munch. med. Wschr.*, 1933, 80: 2042.—**Lutz, G.** Die Brauchbarkeit der interferometrischen Untersuchungen. *Med. Korb. Württemberg*, 1929, 99: 347-50.—**Monacelli, M., & Riccioni, B.** Dell'interferometria di Hirsch e della curva interferometrica normale. *Policlinico*, 1935, 42: sez. med., 604-12.—**Nothdurft, H., & Hopp, J.** Erfahrungen bei der Benutzung des Zeisschen Laboratoriumsinterferometers zur Stoffwechselmessung besonders an Kleintieren. *Arch. ges. Physiol.*, 1939, 242: 97-112.—**Nuevas técnicas de interferometria (Hirsch) aplicadas a la clinica.** *Rev. méd. Barcelona*, 1936, 25: notícias, 232.—**Parturier, G., & Durupt, A.** Examens interférométriques du foie, de la rate et du pancréas. *Paris méd.*, 1933, 89: 433-5.—**Petersson, W.** Was leistet die interferometrische Abbaukurve? *Deut. med. Wschr.*, 1936, 62: 933-5.—**Reisen, A.** Interferometrische Abbaustudien. *Acta paediat., Upps.*, 1938, 22: 401-4.—**Rittershaus, G.** Weitere klinische Erfahrungen mit der interferometrischen Sero-diagnostik. *Zbl. Gyn.*, 1925, 49: 2818-22.—**Rubegni, R.** L'interferometria in endocrinologia. *Policlinico*, 1940, 47: sez. med., 45, 89.—**Runge, H.** Diagnostische Erfahrungen mit der Interferometrie. *Zbl. Gyn.*, 1926, 50: 1297-303.—**Sartory, A., Sartory, R.** [et al.] Sur les causes d'erreur dues au mode opératoire et aux règles d'interprétation dans l'analyse interférométrique d'après Hirsch. *Bull. Acad. méd.*, Par., 1933, 3. ser., 109: 764-7.—**Sieber, H.** Der diagnostische Wert der Interferometrie in der Gynäkologie und Geburtshilfe. *Zbl. Gyn.*, 1931, 55: 713-25.—**Sokolowski, A.** Recherches cliniques sur la méthode interférométrique. *Ann. méd.*, Par., 1936, 39: 435-9.—Investigations on the significance of the interferometric method in clinical practice] *Polsk. arch. med. wewn.*, 1936, 14: 182-241.—**Streck, A.** Kritisches zur interferometrischen Messtechnik und Diagnosestellung. *Deut. med. Wschr.*, 1927, 53: 101.—Experimentelle Kritik der interferometrischen Methode. *Ibid.*, 484-6.—Welches sind die Vorbildungen für eine objektive interferometrische Diagnosestellung? *Zschr. ges. exp. Med.*, 1927, 54: 677-94.—**Weill, G.** Résultats cliniques de l'interférométrie en ophtalmologie. *Ann. ocul.*, Par., 1933, 170: 916-20.—**Weill, J., Meyer, J., & Mazur.** Remarques sur la technique interférométrique d'après Hirsch. *Ann. méd.*, Par., 1933, 34: 474-88.—**Wetzel, R.** Was versteht man unter Interferometer und welche Bedeutung hat das Instrument für die Medizin? *Zschr. ärztl. Fortbild.*, 1939, 36: 428-30.

— Methods and instruments.

Anthony, A. J. Zur Technik der Gasanalyse mit dem Zeisschen Laboratoriumsinterferometer. *Zschr. ges. exp. Med.*,

1939, 106: 561-70.—Bruggerhoff, E. Untersuchungen von Sera und flüssigen Nährböden mittels des Zeiss'schen Flüssigkeits-Interferometers. Dcut. tierärztl. Wschr., 1926, 34: 492.—Bubb, F. W. Note on construction of the photoelastic interferometer. J. Optic. Soc. America, 1941, 31: 506.—Clark, J. C., & Fritz, N. L. Use of ultraviolet source for interferometer measurements of thickness of thin metallic films. Rev. Sc. Instrum., 1941, 12: 483.—Durupt, A. Remarques techniques sur la méthode interférométrique. Bull. Soc. chim. biol., Par., 1934, 16: 461-4. — & Lagarde, J. Exposé de la technique interférométrique. Ann. méd., Par., 1932, 31: 456-77.—Durupt, A., & Schlesinger, A. Ein Beitrag zur interferometrischen Methode. Fermentforschung, 1933, 14: 13-26.—Guillaumin, C. O. Remarques techniques sur l'interféromètre de Zeiss et la méthode interférométrique de Hirsch. Bull. Soc. chim. biol., Par., 1933, 15: 1392-414.—Herget, C. M. A constant path acoustic interferometer for gases at variable pressure. Rev. Sc. Instrum., 1940, 11: 37-9.—Hoyt, A. A new type of interferometer. J. Optic. Soc. America, 1936, 26: 262-6.—Hubbard, J. C., & Zartman, I. F. A fixed path acoustic interferometer for the study of matter. Rev. Sc. Instrum., 1939, 10: 382-6.—Jonard, R. Présentation d'un interféromètre pour études biologiques. C. rend. Soc. biol., 1936, 122: 396-8.—Linnik, V. P. An interferometer for the investigation of large plane surfaces. C. rend. Acad. sc. URSS, 1941, 32: 189-91.—Mazur, B., Sartory, A. [et al.] Contribution à l'étude de l'étalement des interféromètres. Strasbourg méd., 1934, 94: 513.—Quirk, A. L., & Rock, G. D. A sonic interferometer for the study of absorption in liquids. Rev. Sc. Instrum., 1935, 6: 6.—Ramsay, B. P. A grating interferometer. J. Optic. Soc. America, 1934, 24: 253-8.— & Pauls, F. B. Systems of interferential devices. Ibid., 1942, 32: 78-83.—Runge, H. Interferometrische Untersuchungen, zur Kritik der Methodik. Zbl. Gyn., 1926, 50: 1490-6.—Schroeder, J. H., & Ramsay, B. P. The optical properties of the grating interferometer. J. Optic. Soc. America, 1940, 30: 355-61.—Tobias, J. M. Membrane interferometer manometer. Rev. Sc. Instrum., 1942, 13: 232.—Walerstein, I., & Woodson, R. A. Multiple sets of fringes in the Michelson interferometer. J. Optic. Soc. America, 1936, 26: 267-71.—Wollschitt, H., Bothe, W. [et al.] Das Zeiss'sche Laboratoriums-Interferometer als Stoffwechselmessgerät. Arch. exp. Path., Berl., 1934-35, 177: 635-54.

INTERGOVERNMENTAL Conference of Far Eastern Countries on Rural Hygiene. Preparatory papers: Report of French Indo-China, 135p. pl. tab. 24cm. Genève, League of Nations, 1937.

Forms League of Nat. Pub. Off. No. C. H. 1235.

— National reports [Miscellaneous] 125p. 8°. Genève, 1937.

Forms League of Nat. Pub. Off. No. C. H. 1235i.

INTERMAXILLARY bone.

See under Maxilla; also Nasal fossa.

INTERMEDIATE nerve [Wrisberg]

See Facial nerve, Geniculate ganglion.

INTERMEDIN.

See also Melanoma; Pigmentation; Pituitary; Uremia.

NACHMIAS, N. *Untersuchungen über den Gehalt verschiedener Handelspräparate an Pigmenthormon. 15p. 8° Rostock, 1934.

Abramowitz, A. A. A new method for the biological assay of intermedin. J. Pharm. Exp. Ther., 1940, 69: 156-64.—Berblinger, W. Die Pars intermedia der Hypophyse des Menschen nebst Bemerkungen über die Ableitung der Hypophysenhormone. Endokrinologie, 1939, 22: 1-13.—Böttger, G. Ueber einen neuen Intermedinstoff und die Intermedinreaktion der Elritze. Zschr. vergl. Physiol., 1934, 21: 415-28.— Ueber das Pigmenthormon. Zschr. ges. exp. Med., 1937, 101: 42-61.—Chow, B. F., Greep, R. O., & Van Dyke, H. B. Chemical properties of intermedin. Am. J. Physiol., 1940, 129: 333.—Collin, R. Sur l'origine histologique des hormones posthypophysaires, l'interméline. C. rend. Soc. biol., 1933, 112: 1351-3.— & Drouet, P. L. Présence dans l'urine de certains malades d'un principe mélanophoro-dilatateur; son application comme test de fonctionnement de l'hypophyse. Rev. fr. endocrin., 1933, 11: 161-76.—Crisan, C. Les troubles de la pigmentation de la peau du têtard de grenouille après ingestion d'hypophyse fraîche. C. rend. Soc. biol., 1935, 118: 1503-6.—Enami, M. S. Rôle de la sécrétion hypophysaire sur le changement de coloration chez un poisson-chat, Parasilurus asotus. L. Ibid., 1939, 130: 1498-501.—Etkin, W., & Rosenberg, L. Infundibular lesion and pars intermedia activity in the tadpole. Proc. Soc. Exp. Biol., N. Y., 1938-39, 39: 332-4.—Fossvædt, G. Preliminary in vitro studies of melanophore-principle activity of the pituitary gland. Ibid., 1939, 40: 302-4.—Fraser, A. M. The alleged

antidiuretic action of the pigmentary hormones of the pituitary gland. J. Pharm. Exp. Ther., 1937, 60: 82-8.—Jores, A. Untersuchungen über die Funktion des Pigmenthormons im Warmblüterorganismus; die Wirkungen des Hormons auf Temperatur und Blutzucker bei intraventriculärer Injektion beim Kaninchen. Zschr. ges. exp. Med., 1935, 36, 97: 207-13.—Kleinholz, L. H. The distribution of intermedin; first appearance of the hormone in the early ontogeny of Rana pipiens. Biol. Bull., 1940, 79: 432-8.— & Rahn, H. The distribution of intermedin; a new biological method of assay and results of tests under normal and experimental conditions. Anat. Rec., 1940, 76: 157-72.—Kleinschmidt, A. Das Verhalten der Melanophoren bei hypophysektomierten Urodelen (Amphystoma mexicanum, Shaw, und Triturus vulgaris, L.) und parallele Befunde an einem abnormal neonoten Triturus vulgaris. Verh. Anat. Ges., 1938, 45: 262-6.—Krohn, H. Ormone del lobo intermedio ipofisario (intermedina). Monit. endocr., 1934, 2: 797-806, 897-902.—Landgrebe, F. W., & Waring, H. Intermediate lobe pituitary hormone. Q. J. Exp. Physiol., Lond., 1941, 31: 31-62.—Levinson, L. Diurnal variation of intermedin in the blood of the allino rat. Proc. Nat. Acad. Sc. U. S., 1940, 26: 257.—Lewis, D., Lee, F. C., & Astwood, E. B. Some observations on intermedin. Bull. Johns Hopkins Hosp., 1937, 61: 198-209.—Slotta, K. H. Zur Reindarstellung des Intermedins. An. Fac. med., Montev., 1940, 25: No. especial. 280-4, 738-42.—Smith, G. M., Burr, H. S., & Ferguson, R. S. A study of the effects of intermedin and injury of the hypophysis on traumatic corial melanophores in goldfishes. Endocrinology, 1935, 19: 409-12.—Sugiura, K. Influence of intermedin on growth of mouse melanoma. Proc. Soc. Exp. Biol., N. Y., 1934, 32: 375-8.—Veil, C. Evaluation de la quantité d'interméline contenue dans l'organisme du poisson-chat. C. rend. Soc. biol., 1938, 127: 42.—Young, A. M. Rapid pigment appearance in Ohio red belled dace as test for intermedin. Am. J. Clin. Path., 1934, 4: 485-91.—Zondek, B. Chromatophoretic principle of the pars intermedia of the pituitary. J. Am. M. Ass., 1935, 104: 637.— & Krohn, H. Hormon des Zwischenlappens der Hypophyse (Intermedin) Klin. Wschr., 1932, 11: 405-8; 849-53.

INTERMETATARSAL bone.

See under Metatarsus.

INTERMITTENT claudication.

See Dysbasia, intermittent.

INTERN.

See also Hospital staff.

AMERICAN (THE) INTERNE. N. Y., v. 1-2, 1936.

INTERNE; journal of the Association of Internes and Medical Students. New York, v.6, 1940.—Sachs, W. Der Assistenzarzt im Krankenhaus. 2. Aufl. 88p. 21cm. Berl. [1938]

Anderson, R. D. The interne, the New Deal, and the ward patient. J. M. Soc. N. Jersey, 1935, 32: 404-6.—Bachmeyer, A. C. The hospital, the medical college and the intern. Proc. Congr. M. Educ., 1931, 54-6. Also J. Am. M. Ass., 1931, 96: 1002-4.—Internships. Centaur, Menasha, 1935, 41: 19, 30.—Barker, L. F. How the internship affects the physician's career. Mod. Hosp., 1931, 36: 49-53.—Euerki, R. C. The internship and the residency. J. Ass. Am. M. Coll., 1940, 15: 8-31.—Bukantz, S. The internship. Med. Bull., N. Y., 1936-37, 2: 5.—Clark, E. D. Advice to interns entering practice. J. Indiana M. Ass., 1936, 29: 373.—Colwell, N. P. The intern problem from the standpoint of medical education. Tr. Am. Hosp. Ass., 1923, 25: 568-75.—Concerning interns and internships. J. Am. M. Ass., 1939, 112: 1618.—Doane, J. C. Consider the interu. Mod. Hosp., 1937, 48: No. 6, 80.—Douthwaite, A. H. To those entering the clinical period. Guy's Hosp. Gaz., Lond., 1942, 56: 205.—Fitz, R. Concerning interns and internships. J. Ass. Am. M. Coll., 1939, 14: 101-12.—The confused state of the internship. Proc. Congr. M. Educ., 1941, 35-9. Also Fed. Bull., Chic., 1941, 27: 291-303. Also J. Am. M. Ass., 1941, 116: 1037-40.—Foss, H. L. The medical fifth year. Bull. Am. Coll. Surgeons, 1937, 22: 159-62.—Garrard, R. L. Internships. Seaside, Gainesville, 1933, 4: 1-7.—Giddings, E. Interns in time! Mod. Hosp., 1938, 51: 59.—Iacobovici, I. [Three-quarters of a century since the establishment of internships] Romania med., 1936, 14: 5.—Irons, E. E. The purpose of an internship. J. Am. M. Ass., 1926, 86: 996-8.—Kerlikowske, A. C., & Rourke, A. J. J. The doctors of tomorrow. Hospitals, 1938, 12: No. 11, 35-8.—Kern, R. A. Thoughts for seniors in regard to hospital internships. Phi Chi Q., Menasha, 1935, 32: 497-502.—Mulholland, J. H. The internship. Med. Bull., N. Y., 1941-42, 7: 131-3.—Parizeau, T. On medical internship. Canad. M. Ass. J., 1933, 29: 81.—Peery, T. M. The internship. Diplomate, 1935, 7: 267-70.—Rappleye, W. C. Comments on the internship. Proc. Congr. M. Educ., 1933, 10-2. Also J. Am. M. Ass., 1933, 100: 873-5. Also Phi Chi Q., Menasha, 1934, 31: No. 2: 133-7. — Internship and

residency. Hospitals, 1940, 14: No. 12, 34-8. — The internship. J. Ass. Am. M. Coll., 1941, 16: 5-17. — Richards, V. The internship. *Ibid.*, 1937, 12: 227-9. — Schwitalla, A. M. Some comments on internships. Hosp. Progr., 1942, 23: 57-9. — **Sharbaugh, G. B.** An interne's view of general practice. Am. Interne, 1936, 2: No. 2, 9. — **Smith, F. J.** Professional defense. Hospitals, 1941, 15: No. 2, 61. — Some comments on internships. Fed. Bull., Chic., 1942, 28: 108-13. — **Waddill, G. M., jr.** Internship; necessity or opportunity? Messenger, Menasha, 1937, 34: 13. — **Weiskotten, H. G.** The internship. Phi Chi Q., Menasha, 1938, 35: 189.

Duties, legal status, and regulations.

BLACK, B. W. Medical policies and procedures for the resident staff of the Alameda County hospitals and clinics [Rev. ed.] 123p. 18½cm. [Oakland, 1941]

Agnew, H. Interns who jump contracts. Canad. M. Ass. J., 1940, 43: 476. — **Clow, F. E.** The legal status of the intern. J. Am. M. Ass., 1939, 112: 1643-S. Also Fed. Bull., Chic., 1939, 25: 228-40. Also J. Maine M. Ass., 1939, 30: 123-6. — **Darrach, W.** The internship as a requirement for the medical degree. Proc. Congr. M. Educ., 1929, 1: 64. — **Geiger, A. J.** Interns can take money. Med. Econom., 1937-38, 15: No. 5, 31-7. — **Gillett, O. H.** Intern service. Hosp. Progr., 1927, 8: 385-93. — **Hospitals; interns are not students** [New York State] J. Am. M. Ass., 1942, 118: 1515. Also Fed. Bull., Chic., 1942, 28: 158. — **Interns** relieved of ambulance riding duties. J. Am. M. Ass., 1942, 118: 905. — **Legal status of interns and externs.** Wisconsin M. J., 1939, 38: 1079. 1943, 42: 101. — **Règlement de l'internat de l'Hôpital de la Charité.** J. sc. méd. Lille, 1924, 42: 326-34. — **Rypins, H.** Are interns practicing medicine? J. Am. M. Ass., 1935, 104: 1641. Also Fed. Bull., Chic., 1935, 21: 241-5. — **Smith, W.** The hospital internship as a requirement for state registration. Proc. Annual Congr. M. Educ., 1938, 34: Congr., 45-8. Also Hospitals, 1938, 12: No. 3, 11-6. Also J. Am. M. Ass., 1938, 110: 1305-7. — **Status of interns in California.** *Ibid.*, 111: 892. — **Thrane, M.** [On the status of rotation candidates] Ugeskr. læger, 1934, 96: 1070-5. — **Tomescu, P.** [Consolidation of the status of the internes of the municipal hospital] România med., 1939, 17: 117. — **Wilkes, B. A.** The duty of the hospital to the intern and the intern to the hospital. Bull. Am. Hosp. Ass., 1931, 5: 87-96. — **Witts, L. J.** Hospital posts; responsibility under supervision. Brit. M. J., 1939, 2: 825. — **Zizmor, J.** The interne campaign for pay. J. Ass. M. Students, N. Y., 1937-38, 2: 14-7.

female.

List of hospitals approved by the American Medical Association for the training of women internes. Med. Woman J., 1940, 47: 147-53; 1941, 48: 139-47. — **South, V.** Internships for women. *Ibid.*, 1936, 43: 217. — **Thelander, H. E.** Women for internships. *Ibid.*, 324-6. — **Van Hoosen, B.** Opportunities for medical women internes. *Ibid.*, 1926, 33: 126 8; 281-4; 311-18; passim.

Hospitals for internship.

NEW YORK COMMITTEE ON THE STUDY OF HOSPITAL INTERNSHIPS AND RESIDENCIES. Internships and residencies in New York City, 1934-37; their place in medical education. 492p. 8°. N. Y., 1938.

POZZATO, P. Servizi interni negli ospedali. 108p. 21½cm. Milano, 1939.

Approved internships; Council on Medical Education and Hospitals of the American Medical Association. J. Am. M. Ass., 1942, 119: 1311-21. — **Approved residencies and fellowships.** *Ibid.*, 1940, 115: 763-84. — **Bachmeyer, A. C. MacEachern, M. T.** [et al.] Report of the Committee on Internships, 1936. Tr. Am. Hosp. Ass., 1936, 38: 209-11. — **Bonnenfant.** L'internat dans les hôpitaux des villes dépourvues de Faculté ou d'Ecole de Médecine. Union méd. nordest, 1933, 56: 97-9. — **Buerki, R. C.** Better hospital residencies. Mod. Hosp., 1939, 53: No. 6, 73. — **Christian, H. A.** Selecting a hospital for an internship. J. Am. M. Ass., 1926, 86: 1499-501. — **Colwell, N. P.** The requirement of an intern hospital. *Ibid.*, 1929, 92: 1031. — **Council on Medical Education and Hospitals.** *Ibid.*, 1936, 106: 1198. — **Essentials of an approved internship,** revised June 1942. *Ibid.*, 1942, 119: 1292-5. — **Fiessinger, N.** A propos des concours d'externat et d'internat des hôpitaux. Rev. gén. clin. théor., 1936, 50: Suppl., 1826; 1867; 1915. — **Franken, S. W. A. & Sauer, G. F.** General hospitals offering dental internships; preliminary report. Dent. Cosmos, 1927, 69: 297-301. — **Growth of internships and residencies.** J. Am. M. Ass., 1940, 114: 1267. — **Hospitals approved for internships by the Council on Medical Education and Hospitals of the American Medical Association;** revised to Aug. 27, 1932. *Ibid.*, 1932, 99: 747. — **Hospitals approved for internships.** *Ibid.*, 1935, 105: 699-708. — **Hospitals approved for training interns.** *Ibid.*, 1936, 107: 693-702; 1937, 109: 683-92; passim. — **Hospitals in Canada which are approved for internship by the Department of Hospital Service of the Canadian Medical Association.** Canad. M. Ass. J., 1935, 32:

445. — **Internship appointments at the University hospitals.** Clin. Bull., Cleveland, 1938, 2: 19. — **Internships.** J. Am. M. Ass., 1940, 115: 785. — **Internships in Memphis.** Am. Interne, 1936, 1: No. 5, 9. — **Internships and residencies.** J. Am. M. Ass., 1937, 109: 715. — **Internships, residencies and fellowships.** *Ibid.*, 1942, 118: 1143. — **Lawrence, C. H.** Internships in Massachusetts hospitals. N. England J. M., 1935, 213: 11-5. — **List of hospital internships, class of 1941.** Harvard M. Alumni Bull., 1940-41, 15: 82-4. — **Medical (The) profession and the hospitals in England.** J. Am. M. Ass., 1938, 110: 164B-63. — **Oppenheimer, R. H.** Choice of an internship. Tr. Am. Hosp. Ass., 1941, 43: 464. Also Hospitals, 1941, 15: No. 11, 33-5. — **Resident and intern staffs of Washington hospitals, 1941-42.** Med. Ann. District of Columbia, 1941, 10: 454-6. — **Resident posts in hospitals.** Lancet, Lond., 1938, 2: 145. — **Residents and interns of Washington hospitals, 1940-41.** Med. Ann. District of Columbia, 1941, 10: 456-8. — **Schmitt, L. S.** Internships in a teaching hospital. Proc. Congr. M. Educ., 1929, 1: 65. — **Simpson, M. E.** Dental internship at the U. S. Marine Hospital, Norfolk, Va. Hosp. News, Wash., 1937, 4: No. 19, 30-5. — **Smelzer, D. C. Bachmeyer, A. C.** [et al.] Report of the Committee on Internship and Residencies, 1937. Tr. Am. Hosp. Ass., 1937, 39: 110-3. — **Verzeichnis der zur Annahme von Medizinalpraktikanten ermächtigten Krankenhäuser und medizinisch-wissenschaftlichen Institute** 1938. Reichsgesundhbl., 1938, 13: 408.

Military service.

Amendment (An) to the conscription act affecting hospital interns and residents. Hospitals, 1940, 14: No. 11, 18. — **Intern (The) and the draft.** Mod. Hosp., 1940, 55: No. 6, 45. — **Procurement and Assignment Service for physicians, dentists and veterinarians, restrictions on use of interns and residents.** J. Am. M. Ass., 1943, 121: 1288.

Relations to hospital.

Black, B. W. The modern hospital, its relationship to the physician. Bull. Am. Hosp. Ass., 1932, 6: 72-81. — **Cordover, H.** The intern and his hospital. Hospitals, 1938, 12: No. 2, 81-3. — **Follansbee, G. E.** The duty of the hospital staff to the intern. J. Am. M. Ass., 1927, 88: 773-7. — **Giddings, E. & Smith, N.** Introducing the new intern to the hospital. Hospitals, 1937, 11: 54-8. — **Hamilton, B. G.** The obligations of the hospital to its interns. J. Missouri M. Ass., 1937, 34: 1-3. — **Marks, H.** Who should boss the intern? Mod. Hosp., 1942, 58: No. 6, 71. — **Recent legal decisions of interest to hospitals.** Hospitals, 1940, 14: No. 11, 95-8. — **Upham, J. H. J.** The hospital and the intern. *Ibid.*, No. 5, 42-4.

Social aspects and welfare.

Assemblée (L') générale de l'Association professionnelle des internes et anciens internes. Algérie méd., 1941, 4, sér., 45: prof., 20. — **Rauer, W. W.** Intern's return. Hygeia, Chic., 1939, 17: 805-8. — **Doane, J. C.** Care and treatment of interns. Mod. Hosp., 1939, 53: 69. — **Egmont, T.** The interne's wife. Interne, N. Y., 1942, 8: 119-24. — **Fitz, R.** Concerning interns and their health. J. Am. M. Ass., 1941, 117: 1125-30. — **Keller, F. E.** The new interne. In his Hosp. Ballads, Phila., 1941, 18. — **Klein, L. C.** A Florida internship. Phi Delta Epsilon News, Menasha, 1934, 25: 217. — **Lund, O.** [Compensation allowed hospital physicians for health endangered by unsanitary quarters] Ugeskr. læger, 1941, 103: 337-42. — **Marshall, E. A.** A hail and a hurrah for the interne; internes, defined or classified ad lib. Bull. Acad. M., Cleveland, 1938, 22: No. 7, 6. — **White duck,** the diary of an interne. Centaur, Menasha, 1940, 46: 26-34; 88; 1941, 46: 323; 381.

Supply and demand.

Borzell, F. F., Anderson, R. L., & Donaldson, W. F. Reduced number of hospital interns and residents creates service problem; 1941 Senate Bill No. 575 attempts to ameliorate the situation. Pennsylvania M. J., 1940-41, 44: 1035-8. — **Competitive bidding for interns.** Am. J. M. Ass., 1942, 120: 1129. — **Dock, W.** Responsibility for choosing interns and internships. Fed. Bull., Chic., 1940, 26: 273-7. Also J. Am. M. Ass., 1940, 115: 657. — **End of honorary staff system.** Brit. M. J., 1940, 1: 950. — **Internships;** 207 applications for 24 appointments at the University hospitals. Clin. Bull., Cleveland, 1937, 1: 15. — **Intern problem means more work for doctors, nurses, students.** Hosp. Management, 1942, 54: No. 3, 20. — **Interns; supply and demand.** J. Am. M. Ass., 1941, 116: 1145. Also N. England J. M., 1941, 225: 887. — **Is there a shortage of interns?** J. Am. M. Ass., 1940, 115: 1549. — **Litzenberg, J. C.** Administration of internships. J. Ass. Am. M. Coll., 1934, 9: 216-24. — **Means, J. H.** Criteria to be observed when selecting internes and residents. Bull. Am. Coll. Surgeons, 1938, 23: 39-43. — **Moss, F. A.** Selection of hospital internes. Nosokomeion, Stuttg., 1933, 4: 458-64. — **Oppenheimer, R. H.** Senior students as internes. Bull. Ass. Am. M. Coll., 1927, 2: 203-8. — **Righter, W. W. N.** The intern problem; selection and supervision. Hospitals, 1937, 11: No. 8, 92. — **Sager, C. J.** Ten per cent of hospitals curtail services. Hosp. Management, 1941, 52: No. 6, 10. — **Shortage of interns.** Fed. Bull., Chic., 1942, 28: 131. — **Unnecessary ambulance calls and the shortage of interns.** J. Am. M. Ass., 1942, 118: 55. — **Upham, J. H. J.** The intern problem. Hospitals, 1942, 16: No. 7, 37. — **Utilization of personnel resulting**

from overlapping of internships. *J. Am. M. Ass.*, 1943, 121: 1097.—**Zapffe, F. C.** The intern problem. *Bull. Am. Hosp. Ass.*, 1935, 9: 81-5.

— Training.

See also **Education [medical] Hospital service, Educational service.**

Agnew, H. Making the internship worth while. *Tr. Am. Hosp. Ass.*, 1941, 43: 463. Also *Hospitals*, 1941, 15: No. 11, 39-41.—**Babbott, F. L.** What medical colleges expect hospitals to do to continue the education of the intern. *J. Ass. Am. M. Coll.*, 1937, 12: 8-13.—**Basman, J.** The opportunities of internship. *J. Missouri M. Ass.*, 1937, 34: 403.—**Blankenhorn, M. A.** The training of a physician. *Clin. Bull., Cleveland*, 1937, 1: No. 2, 4-7.—**Bond, G. L.** Intern training, fifth-year medical education. *Hosp. Progr.*, 1927, 8: 393-5.—**Bousfield, M. O.** Internships, residencies and post-graduate training. *J. Nat. M. Ass., N. Y.*, 1940, 32: 24-30.—**Bradley, F. R.** The hospital's responsibility for training of interns and residents. *South. M. J.*, 1940, 33: 1000-3.—**Carrington, W. J.** Preliminary instructions to hospital interns. *J. M. Soc. N. Jersey*, 1926, 23: 398-402.—**Davis, M. M.** Training for the hospital career. *Mod. Hosp.*, 1929, 32: No. 6, 49-52.—**Davison, M.** Introduction and orientation of the intern to medical record keeping in the hospital. *Bull. A. A. Coll. Surgeons*, 1942, 27: 63-5.—**Derow, H. A., & Cohen, E.** The training of interns in the social aspects of medicine. *N. England J. M.*, 1933, 209: 827-31.—**Dieuaide, F. R.** Hospital internships, from the educational point of view. *Chin. M. J.*, 1937, 52: 699-706.—**Education of internes.** In *Am. Med. (Am. Found.) N. Y.*, 1937, 1: 390-2.—**Foss, H. L.** The hospital training of interns. *Proc. Congr. M. Educ.*, 1931, 56-9. Also *J. Am. M. Ass.*, 1931, 96: 1004-7.—**From an aural surgeon.** *Lancet, Lond.*, 1938, 2: 105.—**Geiger, J. C.** The relation of the hospital interne to preventive medicine. *Pacific Coast M.*, 1937, 4: 19-21.—**Giddings, E., & Smith, N.** Practical advice in training of interns. *Hospitals*, 1936, 10: 37-40.—**Gregg, A.** The hospital as a college. *Ibid.*, 1942, 16: No. 11, 37-41.—**Hanes, F. M., & Davison, W. C.** Postgraduate medical education and internships. *J. Ass. Am. M. Coll.*, 1941, 16: 371-4.—**Larkin, W. J.** A survey on intern training in obstetrics and laboratory work. *Pennsylvania M. J.*, 1937-38, 41: 714-7.—**Medical education in a municipal hospital, a survey and appreciation of the clinical experience gained by Middlesex students at the Central Middlesex County Hospital.** *Middlesex Hosp. J.*, 1942, 42: 24.—**Munger, C. W.** Continuation of medical education during the hospital internship. *J. Ass. Am. M. Coll.*, 1937, 12: 14-22.—**Oppenheimer, R. H.** The internship, a hospital and medical school program. *South. M. J.*, 1941, 34: 550-3.—**P, P. B.** Post-graduate experience after demobilization. *Brit. M. J.*, 1942, 1: Suppl., 78.—**Peterson, C. M.** Recent developments in intern training. *Hospitals*, 1937, 11: No. 4, 47-9.—**Prolonged residencies, their effect on the practice of medicine.** *N. England J. M.*, 1940, 222: 1094.—**Rappleye, W. C.** The hospital and graduate medical education. *Hospitals*, 1939, 13: No. 9, 29-31.—**Recent developments in intern training.** *J. Am. M. Ass.*, 1938, 111: 374.—**Sanger, H. F.** The role of the hospital in medical education. *Nosokomeion, Stuttg.*, 1939, 10: 61-4.—**Schwarz, T. E., & Whitcotton, O.** Training the intern. *Mod. Hosp.*, 1934, 43: 63-6.—**Smith, N.** The training of the intern. *J. Am. M. Ass.*, 1940, 114: 1705-8. Also *Fed. Bull., Chic.*, 1941, 27: 43-52.—**The education of the intern.** *N. England J. M.*, 1941, 224: 94-101.—**Teaching the human touch.** *Hygieia, Chic.*, 1942, 20: 96.—**Van Etten, N. B.** Education of the intern. *Hosp. Progr.*, 1936, 17: 405.—**Weiskotten, H. G.** The use of the hospital in the preparation of the physician. *Ibid.*, 1937, 18: 217-19.—**Wright, C. P.** Plan of intern training. *Mod. Hosp.*, 1939, 52: No. 6, 51.

— Training: Organization.

Baird, N. M. What my organization is doing for staff education? *Med. Bull., N. Y.*, 1937-38, 3: 227-9.—**Black, B. W.** Undesirable to reduce intern training period. *Hosp. Management*, 1942, 53: 6.—**Bonnevie, P.** [Revision of the rotation appointments] *Ugeskr. laeger*, 1941, 103: 309-11.—**Carasa, E.** El internado en los hospitales municipales; diversas gestiones de la Comisión directiva. *Rev. Circ. méd. argent.*, 1928, 28: 1-5.—**Carnes, E. H.** Intern training in a small hospital. *Hosp. News, Wash.*, 1937, 4: No. 1, 6-10.—**Coordination of internships with the accelerated medical program.** *J. Am. M. Ass.*, 1943, 121: 56.—**Corbus, B. R.** The relation of postgraduate committees to intern instruction in unaffiliated hospitals; should the State Society assume any responsibility for such intern instruction? *J. Michigan M. Soc.*, 1942, 41: 390-2.—**Curran, J. A.** The internship as a problem in medical education: how the problem is being met in New York. *J. Ass. Am. M. Coll.*, 1936, 11: 94-105.—**Function of the hospital in the training of interns and residents.** *J. Am. M. Ass.*, 1936, 106: 753-6.—**Dally, P.** L'année hospitalière aux Etats-Unis. *Presse méd.*, 1933, 41: 1229.—**Firschein, I.** A schedule for a general rotating internship. *Hospitals*, 1939, 13: No. 9, 32-4.—**Foss, H. L.** A plan for the systematic instruction and supervision of internes and resident physicians. *Bull. Am. Coll. Surgeons*, 1931, 15: 29-32.—**Giddings, E., & Smith, N.** Plan for the advanced specialty training of the intern. *Tr. Am. Hosp. Ass.*, 1936, 38: 444-51.—**The**

role of a general hospital in post-graduate training for interns. *Hospitals*, 1936, 10: No. 2, 88-90.

Practical utilization of an out-patient department in the training of interns. *Ibid.*, 112 8.—**Goyanna, R.** O internato nos hospitais dos Estados Unidos. *Bol. Of. san. panamer.*, 1942, 21: 411-9.—**Healy, C. J. M.** Canadian intern board report for 1940-41. *Univ. Toronto M. J.*, 1940 41, 18: 195-8.—**Howard, J. R., jr.** The administrator's influence on intern training. *Hospitals*, 1940, 14: No. 3, 29.—**Intern training in Massachusetts.** *N. England J. M.*, 1934, 210: 915-7.—**Jennett, J. H.** A proper program for teaching interns. *Bull. Am. Coll. Surgeons*, 1936, 21: 167-9.—**Menzies, F.** Undergraduates training in the municipal hospitals. *Brit. M. J.*, 1941, 1: 905.—**Moll, A. A.** American hospitals and Latin American interns. *Hospitals*, 1941, 15: No. 9, 32-4.—**Ney, K. W., & Brace, D. E.** Intern training, its organization. *J. Am. M. Ass.*, 1938, 111: 1707-9.—**Norby, J. G.** Educational program for interns and residents in a non-teaching hospital. *Hospitals*, 1942, 16: 18-21.—**Period (The)** of internships in New York City. *Science*, 1942, 95: 92.—**Peterson, C.** Small hospitals and intern training. *Tr. Am. Hosp. Ass.*, 1937, 39: 493-7. Also *Hospitals*, 1937, 11: No. 10, 91-3.—**Plan to assign interns to practicing physicians at Univ. of Oregon, 9 month internship suggested by others consider service in affiliated hospitals.** *Hosp. Management*, 1942, 54: No. 4, 25.—**Schwaitalla, A. M.** Phases of the educational program for interns. *Hosp. Progr.*, 1941, 22: 19-26.—**Seeger, S. J.** A program of education for interns and residents in small hospitals. *Hospitals*, 1941, 15: No. 2, 25-9.—**Sforza, N.** Una nuova funzione degli ospedali: l'internato obbligatorio ospedaliero per gli studenti di medicina. *Riv. osp.*, 1935, 25: 580-8.—**Sloan, R. P.** Hospitals as teaching centers. *Mod. Hosp.*, 1941, 57: No. 4, 90.—**Smith, N.** Practical utilization of an out-patient department in the training of interns. *Tr. Am. Hosp. Ass.*, 1936, 38: 440-3.—**Training the intern in a municipal hospital.** *Ibid.*, 1938, 40: 799-806. Also *Hospitals*, 1938, 12: No. 10, 96-100.—**Smith, V. D. E.** The value of rotating and straight internships from the standpoint of the intern. *Tr. Am. Hosp. Ass.*, 1931, 33: 279-90. Also *Bull. Am. Hosp. Ass.*, 1932, 6: 90-4.—**Weiskotten, H. G.** Hospital internships as related to the accelerated medical curriculum. *Hospitals*, 1942, 16: No. 11, 42.—**Wells, A. H.** An organized educational service for interns. *J. Am. M. Ass.*, 1940, 114: 2157-63.—**Who trains our interns?** *Med. Soc. Rep., Scranton*, 1911, 35: No. 8, 16.—**Zapffe, F. C.** The place of the senior internship or residency in graduate medical education. *Hosp. Progr.*, 1933, 14: 290-2.

INTERNAL capsule.

See **Brain, Internal capsule.**

INTERNAL medicine.

See also **Internist; Medicine; Medicine clinical; also names of special branches of internal medicine as Cardiology; Gastroenterology, etc.**

Kirolaw, W. B. Internal medicine. *South. M. & S.*, 1935, 97: 584.—**Medicine versus surgery.** *Med. Bull. (Standard Oil Co.) N. Y.*, 1941-42, 5: 302-6.—**Viola, G.** Introduzione allo studio della medicina interna. In *Med. int. (Ceconi) Tor.*, 1932, 1: 1-40.

— Clinics and institutes.

TROUSSEAU, A. Clinique médicale de l'Hôtel-Dieu de Paris. 12. éd. 3v. 8°. Par., 1931.

WARSAWA. SCHOOL OF MILITARY MEDICINE. *Opuscula clinices internae Praefectoriae scholae sanitatis tuendae.* 178p. 8°. Warszawa, 1927.

Brauer, L. Antrittsvorlesung, gehalten am 25. Okt. 1905 bei Uebnahme der medizinischen Universitätsklinik in Marburg. *Deut. med. Wschr.*, 1905, 31: 1801-5.—**Clerc, A.** Chaire de clinique médicale de la Pitié. *Presse méd.*, 1935, 43: 641-5.—**Dauwe, F.** La clinique médicale du cours des 2 années académiques 1905-7 [Université de Gand] *Ann. Soc. méd. Gand*, 1907, 87: 133-65.—**Forlanini, G.** Il lavoro della sezione medica. *Tribuna san., Milano*, 1907, 1: 321-8.—**Gerhardt, D.** Erfahrungen der inneren Klinik auf einigen medizinischen Grenzgebieten. *Korbl. Schweiz. Aerztz.*, 1910, 40: 1209-18.—**Hassin, G. B.** Notes from Nothnagel's clinic. *Med. Stand.*, 1906, 29: 15; 56; 115; 172; passim.—**His, W.** Unterricht und Lehren an der 1. Medizinischen Klinik (der Berliner Universität) *Berl. klin. Wschr.*, 1910, 47: 1873-9.—**Jagte, N.** Klinik und Laboratorium in ihrer Bedeutung für die interne Medizin. *Wien. klin. Wschr.*, 1931, 44: 661-4.—**Leyden, E. von.** Ueber die Entwicklung der inneren Klinik. Eröffnungsvortrag der Klinik. *Med. Klin., Berl.*, 1907, 3: 631-7.—**Müller, F.** Clinic at Munich. *Internat. Clin.*, 1927, 37. ser., 2: 195.—**Munk, F.** Novos pontos de vista da clinica medica alemã. *Brasil med.*, 1937, 51: 629-32.—**Onoranze (Le)** al Prof. Maragliano pel suo 25° anno d'insegnamento. *Cron. clin. med. Genova*, 1907, 13: 201-24.—**Senator.** Die Geschichte, Bedeutung und Aufgabe des poliklinischen Instituts für innere Medizin an der Friedrich-Wilhelms-Universität zu Berlin. *Berl. klin. Wschr.*, 1905, 42: 1547-50.—**Strümpell,**

A. von. Die Bedeutung der medizinischen Klinik für die allgemeine ärztliche Ausbildung. Wien. klin. Wschr., 1909, 22: 803-8.—**Sturgis, C. C.** A brief history of the Department of Internal Medicine of the University of Michigan Medical School. Phi Chi Q., Waukesha, 1937, 34: 335-8.

Congresses.

See also in List of Congresses, 3. volume of 4. series of the Index-Catalogue.

[ARGENTINA] CONGRESO DE MEDICINA INTERNA. 1. Congr. [Buenos Aires, Sept. 28-Nov. 27, 1936] [Sesiones] 654p. 24cm. B. Aires, 1937.

KRISTENSON, A. Proceedings of the 16th Scandinavian congress for internal medicine; held in Upsala from the 6th to 8th June 1933. 647p. 8°. Uppsala, 1934.

MÜLLER, C. Proceedings of the 15th Scandinavian Congress for internal medicine. 422p. 8°. Oslo, 1932.

NORGAARD, A. Rapports et comptes rendus du 17. congrès de médecine des Pays du Nord tenu à Copenhague du 27 au 29 juin 1935. 941p. 8°. Kbh., 1936.

Boletín del primer Congreso nacional de medicina interna. Medicina, Méx., 1942, 22: Suppl., 12.—Congreso de Internistas de Wiesbaden, 7-8 de mayo; enfermedad y ambiente; anemias; transfusión sanguínea. Actual. méd., Granada, 1941, 17: 282-7.—Congress of internal medicine. J. Am. M. Ass., 1939, 112: 867.—Congresso italiano di medicina interna (Torino) Riforma med., 1937, 53: 1483-8.—First [Mexican] Congress of Internal Medicine. J. Am. M. Ass., 1942, 118: 312.—Melo, V. F. Mis impresiones del Primer congreso nacional de medicina interna. Bol. Sanat. Rafael Lavista, Veracruz, 1941-42, 2: No. 12, 2-6.—Primer Congreso chileno de medicina interna. Dia méd., B. Air., 1942, 14: 1160.—Primer Congreso nacional de medicina interna. Gac. méd. México, 1941, 71: 786. Also Medicina, Méx., 1941, 21: 182-6. Also Rev. mex. psiquiat., 1941, 8: No. 47, 36. Also Ciencia, Méx., 1942, 3: 66. Also Rev. méd. Chile, 1942, 70: 657-60. Also Rev. méd. Hosp. gen. Puebla, 1942, 3: 36.—Primer Congreso nacional de medicina interna, a 3 de Diciembre, 1941. Bol. Sanat. Rafael Lavista, Veracruz, 1941-42, 2: No. 8, 12.—Primer (El) Congreso nacional de medicina interna de Santiago de Chile. Prensa méd. argent., 1942, 29: pt 2, 1795. Also Rev. méd. Chile, 1942, 70: 821. Also Sem. méd., B. Air., 1942, 49: pt 2, 1138.—Propaganda para el Primer Congreso de medicina interna durante la semana del 6 de Mayo de 1942. Bol. Sanat. Rafael Lavista, Veracruz, 1941-42, 2: No. 7, 4.—Römcke, O. [18th Congress for internal medicine held in Helsingfors, June 29-July 1, 1937] Norsk. mag. lægevid., 1937, 98: 1330-33.—Ruffo, J. Ante el primer congreso nacional de medicina interna. Eugenesia, Méx., 1942, 3: No. 31, 3-26.

Essays.

TOMMASINI, G. Prefazione al corso delle lezioni di medicina teorica e di terapia speciale delle malattie interne del corpo umano dettate dalle cattedre di istituzioni mediche della Pontificia Università di Bologna e di quella di Parma. 95p. 21cm. Fano, 1856.

Aragón, A. Gufa del estudiante de Clínica médica por José Terrés (ensayo crítico) Hosp. gen., Méx., 1925-26, 1: 249-78.—D'Amato, L. L'ora attuale della medicina interna. Riforma med., 1935, 51: 1899-905. Also Gazz. internaz. med. chir., 1936, 46: 55-63.—Ferrannini, L. Introduzione al corso di Clínica medica, prolusione letta il 7 febbraio 1927. Pol. med., Nap., 1927, 13: 143-64.—Clínica medica della R. Università Benito Mussolini in Bari, lezione di chiusura dell'anno 1932-33. Morgagni, 1933, 75: 1075-88.—Galambos, A. Some observations and critical comments on topics of internal medicine. Am. Med., 1926, n. ser., 21: 391-6.—Galdi, F. Linee programmatiche di Clínica medica. Fol. med., Nap., 1926, 12: 81-100.—Gilbert, A. La clinique médicale de l'Hôtel-Dieu de Paris; leçon d'ouverture. Paris méd., 1910, 3-20.—Gottlieb, M. L. Aphorisms in internal medicine. Med. Rec., N. Y., 1940, 151: 344; 418.—Krehl, L. von. Ueber Standpunkte in der inneren Medizin. Münch. med. Wschr., 1926, 73: 1547-52.—Labbé, M. Chaire de clinique médicale; leçon d'ouverture. Presse méd., 1935, 43: 121-4.—Lee, R. I. Presidential address. Ann. Int. M., 1942, 17: 1-4.—Levy, L. K. How long to wait? a discussion of some problems in internal medicine. Mississippi Doctor, 1941-42, 19: 394-6.—Miller, J. A. Whither? Ann. Int. M., 1942, 16: 1003-10.—Minkowski, O. Rede zur Eröffnung der 32. Tagung des Deutschen Kongresses für innere Medizin. Verh. Deut. Kongr. inn. Med. (1920) 1921, 32. Congr., 3-10.—Mut, A. Apuntes de clínica médica. Rev. ibero-amer. cienc. méd., 1906, 16: 447-60.—Rabinovich, N. G. [Erroneous diagnoses in internal diseases] Klin. med., Moskva, 1942, 20: No. 8, 61-8.—Romano, N. Conferencia inaugural del curso de

clínica médica. Prensa méd. argent., 1937, 24: 997-1003. Also in his Lecc. clín. méd., B. Air., 1938, 2: 7-18.—Vannotti, A. Orientations et conceptions actuelles en médecine interne. Rev. méd. Suisse rom., 1938, 58: 193-206.—Viola, G. Introduzione allo studio della medicina interna. Arch. pat., Bologna, 1931-32, 11: 341-75.—Wells, G. H. A review of the aims and methods of internal medicine; introductory address delivered before the senior students of the Hahnemann Medical College. Hahnemann. Month., 1941, 76: 972-82.—Wilson, W. H. Is internal medicine a failure? West. M. Rev., 1906, 11: 230-5.

Instruction.

Blankenhorn, M. A. The teaching of internal medicine. J. Med., Cinin., 1935-36, 16: 359-63.—Boeri, G. Per insegnare la Clínica medica; grandi errori; piccoli segni. Riforma med., 1926, 42: 289-94.—Crone, N. L., & Means, J. H. A new type of graduate course in internal medicine. Ann. Int. M., 1940-41, 14: 2292-5.—Emerson, C. P. The teaching of internal medicine along phylogenetic lines. Bull. Ass. Am. M. Coll., 1928, 3: 119-29.—Gasbarri, A. La funzione e l'insegnamento della clinica medica. Policlinico, 1932, 39: sez. prat., 1939-46.—Goggia, C. P. Risposte sommarie ai quesiti rivolti dal Professor Maragliano negli esami di Clínica medica di questi ultimi 5 anni. Cron. clin. med., Genova, 1905, 11: 49-56.—Jagić, N. Der bronäeutische Unterricht in der inneren Medizin. Wien. klin. Wschr., 1939, 52: 441.—Korányi, S. [Instruction in clinical medicine] Orv. hetil., 1935, 79: 579-82.—Manier, J. O., & McCombs, R. P. Report of Committee on Postgraduate Instruction in Internal Medicine. J. Tennessee M. Ass., 1941, 34: 299.—Nadler, W. H. The teaching of internal medicine. Q. Bull. Northwest. Univ. M. School, 1940, 14: 294-8.—Oppenheimer, R. H. Objectives and methods in the department of internal medicine. J. Ass. Am. M. Coll., 1937, 12: 137-41.—Prunedá, A. Historia de la enseñanza de la clínica interna en México. Bol. Inst. pat., Méx., 1908-9, 2. ep., 6: 567-91.—Robinson, G. C. The modern teacher of internal medicine. Old Dominion J. M. & S., 1909, 8: 382-7.—Romberg, E. von. Ueber Lehren und Lernen der inneren Medizin. Münch. med. Wschr., 1930, 77: 49-51.—Schilling, V. Praktische Versuche zur Umgestaltung des internmedizinischen Unterrichtes. Med. Welt, 1933, 7: 1829-31.—Teissier, J. De l'enseignement de la clinique médicale; projet de réorganisation; enseignement propédeutique; exercices de laboratoire; travaux originaux; exigences d'un service complet; personnel et outillage. Province méd., 1909, 20: 445-9.—Tillgren, J. Internmedicin i undervisningen, några synpunkter. Nord. med., 1941, 10: 1659-62 (Abstr.)

Manuals.

Achard, C. Clinique médicale de l'hôpital Beaujon. 2. sér. 336p. 8°. Par., 1925.

Assmann, H., BERGMANN, G. von [et al.] Lehrbuch der inneren Medizin. 3. Aufl. 2v. 934p.; 846p. 8°. Berl., 1936.

Brugsch, T. Lehrbuch der inneren Medizin. v.1. 826p. 8°. Berl., 1930. Also 4. Aufl. 2v. 1628p. (pag. cont.) 1937.

Comroe, B. I., COLLINS, L. H., & CRANE, M. P. Internal medicine in dental practice. 352p. 8°. Phila., 1938.

Domarus, A. von. Grundriss der inneren Medizin. 640p. 8°. Berl., 1923. Also 10. Aufl. 681p. 1936.

Fischer, O. Kompendium der inneren Krankheiten. 355p. 21cm. Dresd. [1938]

Forchheimer, F. The prophylaxis and treatment of internal diseases. 2. ed. 712p. 24½cm. N. Y., 1910.

Hartleben, H., & Schad, G. Innere Medizin und Hygiene. 2. Aufl. 167p. 8°. Münch. [1936]

Jores, A. Grundzüge der inneren Medizin für Zahnärzte und Studierende der Zahnheilkunde. 213p. 8°. Lpz., 1935.

Klemperer, G., & Klemperer, F. Neue deutsche Klinik; Handwörterbuch der praktischen Medizin mit besonderer Berücksichtigung der inneren Medizin, der Kinderheilkunde und ihrer Grenzgebiete. 2. Bd. 4°. Berl., 1928.

Kotovshchikov, N. N. [Manual for clinical methods of examination of internal diseases] v.1. 24cm. Kazan, 1889-90.

Kraus, F., & Brugsch, T. Spezielle Pathologie und Therapie innerer Krankheiten. 11v. in 19. 4°. Berl., 1919-27.

KREHL, L. Entstehung, Erkennung und Behandlung innerer Krankheiten. 2. Bd: Die Erkennung innerer Krankheiten. 172p. Berl., 1931.

LEHRBUCH DER INNEREN MEDIZIN. 4. umgearb. & ergänz. Aufl. Bd 1-2. 2v. 969p.; 886p. 25cm. Berl., 1939.

MERING, J. von. Lehrbuch der inneren Medizin. Hrsg. von L. Krehl. 16. ed. 2v. 511p.; 611p. 8°. Jena, 1929.

MUSSER, J. H. Internal medicine; its theory and practice in contributions by American authors. 1316p. 8°. Phila., 1932. Also 3. ed. 1428p. 1938.

PIRERA, A. Nuovo trattato di medicina interna. 4v. 8°. Nap. [1932]

RAMOND, L. Conférences de clinique médicale pratique. 4. sér. 454p. 4°. Par., 1926.

ROLLESTON, H. D. Internal medicine. 92p. 16°. N. Y., 1930.

SCHMIDT, R. Merksätze zur Pathogenese, Diagnostik und Therapie innerer Krankheiten. 325p. 21cm. Berl., 1939.

STRÜMPPELL, A. [Manual of pathology and therapy of internal diseases] T. 1. 4. ed. 620p. 23½cm. Moskva, 1889.

STURM, A. Grundbegriffe der inneren Medizin. 282p. 24½cm. Jena, 1938.

VEIL, W. H. Leitfaden der inneren Medizin für Zahnärzte und Studierende der Zahnheilkunde. 298p. 8°. Berl., 1922.

WATSON, C. J. Outlines of internal medicine, pt 1-5. 27cm. [Minneapolis] 1942.

WICHELS, P. Innere Medizin. 381p. 23cm. Lpz. [1938]

YATER, W. M. The fundamentals of internal medicine. 1021p. 25cm. N. Y. [1938] Also 1. ed. rev. 1021p. [1940] Also [2. rev.] 1021p. [1941] Also 1. ed. rev.; repr. 1021p. [1942]

Military aspect.

Ask-Upmark, E., Sjövall, B. Invärtesmedicinska iakttagelser och symptoner med anledning av erfarenheterna från Bassjukhuset i Murola. Nord. med., 1941, 9: 221-4.—Bushnell, G. R., Connor, L. A., & Harris, S. Surgeon General's Office, Division of Internal Medicine. In Med. Dep. U. S. Army in the World War, Wash., 1923, 1: 373-83.—Goldscheider, Aufgaben und Probleme der inneren Medizin im Kriege. Deut. med. Wschr., 1915, 41: 1352.—Martini, P. Ueber die Möglichkeiten des Fortschrittes der inneren Medizin im Kriege. Münch. med. Wschr., 1940, 87: 469-74 (microfilm)—Merkelbach. Internistische Erkrankungen und Militärmedizin. Klin. Wschr., 1940, 19: 429 (microfilm)—Michaelis, L. Erfahrungen aus einem Heimatslazarett für innere Erkrankungen. Deut. med. Wschr., 1916, 42: 248-50.—Piersol, G. M. Internal medicine as observed at a base hospital in France. Med. Rec., N. Y., 1919, 96: 991.—Thayer, W. S. Internal medicine in the army. In Med. Dep. U. S. Army in the World War, Wash., 1927, 7: 1112-9.

Periodicals.

ANNALS OF INTERNAL MEDICINE. Ann Arb., v.1, 1927—

ERGEBNISSE DER INNEREN MEDIZIN UND KINDERHEILKUNDE. Berl., v.1, 1908—

KONGRESSZENTRALBLATT FÜR DIE GESAMTE INNERE MEDIZIN UND IHRE GRENZGEBIETE. Berl., v.20, 1921—

POLSKIE ARCHIWUM MEDYCZNY WENĘTRZNEJ. Warszawa, v.10, 1932—

ZENTRALBLATT FÜR DIE GESAMTE INNERE MEDIZIN UND IHRE GRENZGEBIETE. Berl., v.1-19, 1912-21.

Progress.

ADVANCES IN INTERNAL MEDICINE. N. Y., v.1, 1942—

NOVOSIBIRSKY GOSUDARSTVENNY INSTITUT DLA USOVERSHENSTVOVANIA VRACHEI [Certain prob-

lems of internal medicine] 215p. 22cm. Novosibirsk, 1936.

SCHMIDT, O. H. *Auswirkungen des Weltkrieges auf die Heilkunde in Deutschland, insbesondere auf die innere Medizin [München] 67p. 20½cm. Heidelb., 1938.

Barker, L. F. The development of internal medicine during the past 100 years (1830-1930) In Papers & Addr. (L. F. Barker) 1935, No. 328.—Bergmann, G. von. Innere Medizin. In Marksteine Entw. Med. (Holst, W.) Danzig, 1939, 7-14.—Bieganski, W. Medycyna wewnętrzną u nas na schyłku XIX-go wieku. Now. lek., Poznań, 1905, 17: 568; 617.—Brubacher, H. Ueber die Fortschritte auf dem Gebiete der inneren Medizin. Deut. Mschr. Zahnh., 1926, 44: 553; 585.—Brugsch, H. Aus dem amerikanischen Schrifttum 1939 (Januar bis Juni): Innere Medizin. Med. Klin., Berl., 1939, 35: 1181.—Chernorutsky, M. V. [Soviet medicine in treatment of internal diseases] Sovet. vrach, J., 1937, 41: 1534-8.—Eppinger, H. Wandlungen in der inneren Medizin. Wien. klin. Wschr., 1933, 46: 769-74.—Faber, K. [Retrospect] Ugeskr. laeger, 1941, 103: 1301-7.—Herrick, J. B. Changes in internal medicine since 1900. J. Am. M. Ass., 1935, 105: 1312-5.—Howard, C. N. A partial review of internal medicine. Washington M. Ann., 1906-7, 5: 365-77.—Keeton, R. W., Portis, S. A. [et al.] Progress in internal medicine. Clin. Med., 1942, 49: 6-8.—Kogan, M. B. [Internal medicine for the last 15 years] Klin. med., Moskva, 1933, 11: 127-33.—Konchalovsky, M. P. [Internal medicine for the past 20 years] Ter. arkh., 1937, 15: 735-53.—McCasky, G. W. Internal medicine: some of its present aspects and achievements. N. York M. J., 1908, 87: 250-3.—McQuiston, J. S. Advances in internal medicine in 1934 [and subsequent years] J. Iowa M. Soc., 1935, 25: 180 [and subsequent volumes].—Prusik, B. K. [Means and aims in internal medicine during the last 30 years] Cas. lek. česk., 1935, 74: 1113-9.—Skubiszewski, L. [Remarks on general tendencies in medicine and on the influence of pathologic anatomy on internal medicine] Polska gaz. lek., 1927, 6: 921.—Strazhesko, N. D. [Trends and achievements in internal medicine in the Soviet Union] Klin. med., Moskva, 1942, 20: No. 11, 3-14.—Tuohy, E. L. Progress in internal medicine in Minnesota. Minnesota M., 1943, 26: 23-32.—Wilcox, R. W. The progress of internal medicine during the past half century. Med. Times, N. Y., 1922, 50: 1-8. ——— The progress in internal medicine during the year 1923. Ibid., 1924, 52: 1, 22.

INTERNAL secretion.

See Endocrine gland, Secretion; Hormone; also under proper names of endocrine glands.

INTERNATIONAL abstract of surgery.

See Surgery, Gynecology and Obstetrics.

INTERNATIONAL Academy for Medical Postgraduate Work. Report on the constitutive meeting, Budapest, April 23-28, 1938; redigiert von K. Blome, & C. Adam. xvii, 328p. illust. portr. 25cm. Jena, G. Fischer, 1938.

INTERNATIONAL address book of botanists ... Prepared in accordance with a resolution passed at the Fifth International Botanical Congress, Cambridge, 1930. xv, 605p. 8°. Lond., Baillière, Tindall & Cox, 1931.

INTERNATIONAL Association of Industrial Accident Boards and Commissions. Proceedings. Wash., Gov. Print. Off., 1934.

Forms Bull. No. 2. U. S. Dep. Lab. Div. Lab. Stand.

INTERNATIONAL Association of Navigation Congresses. Executive Committee's report [1938-39] 16p. 8° [n. p., 1939]

INTERNATIONAL Association for Prevention of Blindness. Meeting of the Executive Committee, Dec. 10, 1937. 231p. 24½cm. Le Caire, 1938.

Forms 2. half, v.5 of [Transactions] 15. Internat. Ophth. Congr.

— Rapport sur le nombre des aveugles et la protection des yeux dans les différents pays. 310p. 24½cm. Le Caire, 1938.

Forms v.7 of [Transactions] 15. Internat. Ophth. Congr.

[INTERNATIONAL] Association professionnelle internationale des médecins.

Association professionnelle internationale des médecins. Brit. M. J., 1937, 2: Suppl., 165-7.—Rystedt, G. [L'Association professionnelle internationale des médecins] Sven. läk. tidn., 1933, 30: 158-65; 1935, 32: 1672-8.

INTERNATIONAL Cancer Research Foundation.

See under Philadelphia, Pa. International Cancer Research Foundation.

INTERNATIONAL Child Congress [1931] Compte rendu. 518p. illust. diagr. pl. facs. 27cm. [Par., 1933]

Suppl.: L'apprentissage des nombres, 31p., inserted.

INTERNATIONAL clinics. Phila., ser. 1-47, 1891-1937.

Title changed to *New international clinics*.

Cattell, H. W. The centenary volume of the Clinics. Internat. Clin., 1915, 25; ser., 4; 6. — Current 157th issue of the International Clinics. Internat. Clin., 1930, 40. ser., 1; 250-6, 6 pl.

INTERNATIONAL College of Surgeons.

Transactions. Huntington, Ind., v.1, 1938.

Continued as *Journal of the International College of Surgeons*.

— *Journal. Chic.*, v.2, 1939—

Continuation of *Transactions*.

Activities of the 1941 assembly of the International College of Surgeons, Mexico City, Mexico, August 10 to 14. J. Internat. Coll. Surgeons, 1941, 4: 441-65.—Convocation of Mexican Chapter of the International College of Surgeons. Ibid., 1942, 5: 431-5.—International assembly of the International College of Surgeons at the invitation of the Mexican Government, Mexico City, August 10 to 14, 1941. Ibid., 1941, 4: 180-5.—International (The) College of Surgeons' credentials booklet. Ibid., 1940, 3: 471.—Meeting of the International College of Surgeons in Mexico City. Science, 1941, 94: 14.

[INTERNATIONAL] Comité international des bibliothèques. 6. Sess. [1933] Actes. 203p. tab. portr. 27cm. LaHaye, M. Nijhoff, 1934.

Forms v.5 of Pub. Internat. Fed. Libr. Ass.

[INTERNATIONAL] Comité international de la Croix Rouge.

See under Red Cross.

[INTERNATIONAL] Comité international permanent des congrès d'accidents et maladies du travail. Archives de médecine sociale et d'hygiène. Brux., v.1, 1938—

[INTERNATIONAL] Commission internationale de l'éclairage. 9. Sess. [1935] Compte rendu des séances. vii, 679. 23½cm. Cambr., Univ. Press, 1937.

INTERNATIONAL Committee of Documentation.

See World Congress of Universal Documentation. Preliminary reports. 51p. 30cm. Par., 1937.

INTERNATIONAL Committee for the Study of Infantile Paralysis. Poliomyelitis; a survey made possible by a grant from the International Committee for the Study of Infantile Paralysis, organized by Jeremiah Milbank. xxii, 562p. illust., 25 pl. map, tables, diagrs. 8°. Balt., William & Wilkins co., 1932.

INTERNATIONAL Conference on CANCER. 1. Conf. [1928] Report of the International conference on cancer. xxi, 588p. 4°. Brist., J. Wright & sons, 1928.

INTERNATIONAL Conference on FEVER THERAPY. 1. Conf. [1937] Fever therapy; abstracts and discussions of papers presented. xxiv, 486p. diagr. 8°. N. Y., P. B. Hoeber, 1937.

INTERNATIONAL Conference on GENETICS.

See International Congress of Genetics.

INTERNATIONAL Conference on GOITER.

See Internationale Kropfkongferenz.

INTERNATIONAL Conference on HEALTH of the Seamen. 2. Conf. [1929] [Publication] 123p; 346p. 27½cm. Par., League of Red Cross Soc. [1929]

[INTERNATIONAL] Conférence internationale et Congrès colonial du rat et de la peste. 2. Conf. [1931] Documents réunis et

publiés par Gabriel Petit. 650p. illust. port. diagr. 8°. Par., Vigot frères, 1932.

[INTERNATIONAL] Conférence internationale du FRUIT-ALIMENT. 1. Conf. [1933] Compte rendu général. 478p. illust. portr. tab. 8°. Par., Off. gén. fruits de France, 1933.

[INTERNATIONAL] Conférence internationale de la LEPRE.

See Internationale wissenschaftliche Lepra-Konferenz.

[INTERNATIONAL] Conférence internationale de la LUMIERE.

See International Congress for Light.

[INTERNATIONAL] Conférence internationale de PATHOLOGIE GEOGRAPHIQUE. 2. Conf. [1934] Comptes rendus. 665p. tab. 8°. Utr., A. Oosthoek [1936]

[INTERNATIONAL] Conférence internationale de PSYCHOTECHNIQUE.

See International Psychotechnic Conference.

[INTERNATIONAL] Conférence internationale pour la REVISION de la nomenclature des CAUSES DE MORT [Publication] v.1-4, 1900-29.

[INTERNATIONAL] Conférence internationale des SOCIÉTÉS DE LA CROIX ROUGE.

See under Red Cross.

[INTERNATIONAL] Conférence internationale contre la TUBERCULOSE.

See under [International] Union internationale contre la tuberculose.

INTERNATIONAL Conference on SANITARY ENGINEERING [1924] Transactions. viii, 383p. 8°. Lond., Inst. San. Engin., 1924.

[INTERNATIONAL] Conférence SCIENTIFIQUE internationale du RHUMATISME chronique, progressif, généralisé [1934] Rapports. 575p. illust. 8°. Aix-les-Bains, Réunion de Chambéry, 1934.

INTERNATIONAL Conference on SILICOSIS. 2. Conf. [1938] Silicosis; proceedings. iv, 223p. pl. tab. diagr. 24cm. Lond., P. S. King & son [1940]

Forms No. 17, Ser. F (Indust. Hyg.) Stud. Internat. Labor Off.

[INTERNATIONAL] Conference for the SUPPRESSION of the Illicit Traffic in Dangerous Drugs [1936] Records; text of the debates. 241p. 33cm. Genève, 1936.

[INTERNATIONAL] Conférence technique internationale des secours aériens. 1. Conf. [1937] Comptes rendus. 42 l. 26½cm. Par., 1937.

Mimeographed.

— Liste provisoire des délégués et hôtes. 8 l. 34cm. [Budap., 1937]

[INTERNATIONAL] Congrès international de l'ASTHME. 1. Congr. [1932] Communications discussions.

— Rapports. 2v. iv, 558p.; 227p. 8°. Par., Masson & cie, 1932.

[INTERNATIONAL] Congrès international des AUXILIAIRES médicaux.

See [International] Journées internationales de la santé publique.

[INTERNATIONAL] Congrès international de l'ENFANCE.

See International Child Congress.

[INTERNATIONAL] Congrès international pour l'ETUDE DE LA RADIOLOGIE et de l'ionisation. 1. Congr. [1905] Comptes rendus. v. p. illust. tab. diagr. 26cm. Par., H. Dunod & E. Pinat, 1906.

[INTERNATIONAL] Congrès international de GASTRO-ENTEROLOGIE. 1. Congr. [1935] Procès-verbaux, rapports et discussions. 1216p. illust. portr. 8°. Brux., 1935.

[INTERNATIONAL] Congrès international de GYMNASTIQUE pédagogique, militaire, médicale et esthétique.

See [International] Congrès international de gymnastique scolaire.

[INTERNATIONAL] Congrès international de GYMNASTIQUE scolaire. 3. Congr. [1910] rapport général. 323p. illust. fold. pl. fold. tab. 26cm. [Brux., Impr. A. Jonckheere, 1910]

Also called Congrès international de gymnastique pédagogique, militaire, médicale et esthétique.

[INTERNATIONAL] Congrès international d'HISTOIRE DE LA MEDECINE.

See International Congress of the History of Medicine.

[INTERNATIONAL] Congrès international d'HYDROLOGIE, de climatologie et de géologie médicales.

See International Congress of Medical Hydrology.

[INTERNATIONAL] Congrès international d'HYGIENE ALIMENTAIRE et d'alimentation rationnelle de l'homme. 2. Congr. [1910] Rapports. 2v. Brux., 1910.

[INTERNATIONAL] Congrès international d'HYGIENE MEDITERRANEEENNE. 1. Congr. [1932] Rapports et comptes rendus. 2v. illust., plates (1 port.) 24½cm. Par., Baillière & fils, 1933.

[INTERNATIONAL] Congrès international de l'INSUFFISANCE HEPATIQUE. 1. Congr. [1937] Comptes rendus. 755p. Par., 1937.

— 1. Congr. [1937] Rapports. 615p. Par., 1937.

— Les relations du foie et de la nutrition avec considérations spéciales du système nerveux. 53p. 24cm. [Par., Impr. Wallon, 1937]

— 2. Congr. [1938] Rapports. 2 p. l. 614p. incl. illust. tab. diagr. 25½cm. Par., Masson & cie, 1938.

[INTERNATIONAL] Congrès international de LITHIASE BILIAIRE. 1. Congr. [1932] Rapports et comptes rendus. 2v. 363p.; 612p. 8°. Viehy, 1932.

[INTERNATIONAL] Congrès international du LYMPHATISME. 1. Congr. [1934] vol. 1. Rapports; vol. 2. Comptes-rendus et communications. 2v. 466p.; 178p. 8°. Par., Masson & cie, 1934.

[INTERNATIONAL] Congrès international de MASSAGE [1. Congr., Paris, July 6-9, 1937]

See [International] Journées internationales de la santé publique.

[INTERNATIONAL] Congrès international de MEDECINE APPLIQUEE à l'éducation physique et aux sports. 2. Congr. [1934] Compte rendu. 364p. incl. tab. diagr. 24cm. Lyon, Soc. Anon. Impr. A. Rey, 1936.

— 3. Congr. [1937] Rapports. 331p. incl. tab. diagr. 24cm. Bar-sur-Aube, Impr. M. Lebois, 1937.

[INTERNATIONAL] Congrès international de MEDECINE et de pharmacie MILITAIRES.

See International Congress of Military Medicine and Pharmacy.

[INTERNATIONAL] Congrès international de MEDECINE SCOLAIRE et d'éducation physique [Rapports] 152p. incl. portr. 28½cm. Par., A. Legrand [1937]

[INTERNATIONAL] Congrès international de MEDECINE TROPICALE et d'hygiène.

See International Congress of Tropical Medicine.

[INTERNATIONAL] Congrès international d'OTO-RHINOLARYNGOLOGIE. 2. Congr. [1932] Catalogue des portraits. 112p. xxxvii pl. 8°. Madr., 1932.

— Comité nacional para el estudio de la otoesclerosis. 6p. 8°. Madr., Sáez bros., 1932.

— Rapports. 4 pt. 8°. Madr., 1932.

— Rapports sur les sclérome. viii, 386p. 8°. Sofia, 1932.

For Verhandlungen of 3. Congr., Berlin, 1936, see No. 1-3, v.40 of Zschr. Hals &c. Heilk.

[INTERNATIONAL] Congrès international du PALUDISME.

See [International] Congresso internazionale sulla malaria.

[INTERNATIONAL] Congrès international de PATHOLOGIE COMPAREE.

See International Congress of Comparative Pathology.

[INTERNATIONAL] Congrès international de PHARMACIE.

See International Pharmaceutical Congress.

[INTERNATIONAL] Congrès international de PHYSIOTHERAPIE.

See International Congress of Physical Therapy.

[INTERNATIONAL] Congrès international de la POPULATION. 1. Congr. [1937] [Publication] 8v. tab. diagr. 25cm. Par., Hermann & cie, 1938.

CONTENTS

1. Théorie générale de la population. 270p.
2. Démographie historique. 105p.
3. Démographie statistique, études d'ensemble. 155p.
4. Démographie statistique, études spéciales: état de la population, migrations. 149p.
5. Démographie statistique, études spéciales: nuptialité, natalité, mortalité. 248p.
6. Démographie de la France d'Outremer. 128p.
7. Facteurs et conséquences de l'évolution démographique. 212p.
8. Problèmes qualitatifs de la population. 258p.

[INTERNATIONAL] Congrès international de la PRESSE MEDICAL. 2. Congr. [1903] Libro de actas. 203p. 23cm. Madr., Impr. R. Rojas, 1905.

[INTERNATIONAL] Congrès international de RADIOTELLURISTES et sourciers. 1. Congr. [1932] Compte-rendu. 258p. illust. (incl. portr. diagr.) 25½cm [Par., Dmmod, 1932]

[INTERNATIONAL] Congrès international du RHUMATISME.

See International Congress on Rheumatism.

[INTERNATIONAL] Congrès international de SPORT et d'éducation physique [1905] [Publication] 255p. 25cm. Auxerre, Revue Olympique, 1905.

At head of tp.: Comité international olympique.

[INTERNATIONAL] Congres voor mondhygiene [1929] [Publication] p.549-880. illust. portr. 22½cm. Utrecht, G. J. & D. Tholen, 1929.

Forms No. 7, v.36 of Tschr. tandheelk.

[INTERNATIONAL] Congreso español internacional de la tuberculosis. Primer congreso español internacional de la tuberculosis, 1910. 1183p. roy. 8°. Barcel., de Serra hnos & Russell, 1912.

— Segundo congreso español internacional de la tuberculosis. 2v. xv, 906p.; 760p. 8°. S. Sebastián, Soc. Españ. Papeleria, 1913-14.

[INTERNATIONAL] Congreso internacional de bibliotecas y bibliografía. 2. Congr. [1935] Actas y trabajos. v.3: Bibliotecas populares. 3 p. l. 9-439p. 26½cm. Madr., Libr. J. Barbazán, 1936.

INTERNATIONAL Congress . . .

See also World Congress . . . For a List of Congresses see 3. vol., 4. ser. of the Index-Catalogue.

INTERNATIONAL Congress of BOTANY.

5. Congr. [1930] International rules of botanical nomenclature adopted by the International Botanical Congresses of Vienna, 1905, and Brussels, 1910, revised. Comp. by John Briquet. 3. ed. xi, 151p. [1]p. 8°. Jena; G. Fischer, 1935.

INTERNATIONAL Congress of COMPARATIVE PATHOLOGY. 2. Congr. [1931] Rapports; comptes rendus et communications. 2v. 2 p. l. 458p.; 654p. illust. portr. 8°. Par., Masson & cie [1931-32]

— 3. Congr. [1936] Rapports in 3 pt; comptes rendus et communications. 4v. illust. col. pl. tab. 24cm. Athènes, Eleftheroudakis, 1936.

— 4. Congr. [1939] Program. 4 l. 8°. Roma [1939]

— 4. Congr. [1939] Relazioni. 1.v. xxiii, 515p. incl. tab. diagr. 25cm. [Roma, 1939]

INTERNATIONAL congresses and conferences, 1840-1937; a union list of their publications available in libraries of the United States and Canada; ed. by Winifred Gregory under the auspices of the Bibliographical Society of America. 3p.; 229p. fol. N. Y., H. W. Wilson, 1938.

INTERNATIONAL Congress of EUGENICS.

1. Congr. [1912] Problems in eugenics. 2v. in 1. xix, 490p.; 189p.; 7p. 8°. Lond., Eugen. Educ. Soc., 1912-13.

— 3. Congr. [1932] A decade of progress in eugenics; scientific papers. xi, 531p. port. tab. diagr. 8°. Balt., Williams & Wilkins, 1934.

INTERNATIONAL Congress of GENETICS.

3. Congr. [1906] Report. 3 p. l. [3]-486p. illust. pl. portr. 25cm. Lond., Roy. Horticult. Soc. [1907]

— 6. Congr. [1932] Proceedings. 2v. 8°. Menasha, Wisc., Brooklyn Bot. Garden, 1932.

— 7. Congr. [1939] Proceedings. 3 p. l. 336p. incl. tab. diagr. pl. 26cm. Cambr., Engl., Univ. Press [1941]

Issued as a supplementary vol. to J. Genet., Cambr.

— 7. Congr. Section D [1939] Animal breeding in the light of genetics. 78p. 25cm. Edinb., Oliver & Boyd, 1939.

At head of tp.: Imperial Bureau of Animal Breeding and Genetics.

INTERNATIONAL Congress of the HISTORY

OF MEDICINE. 1. Congr. [1920] Liber memorialis. 512p. pl. facs. 27½cm. Anvers, Impr. de Vlijt, 1921.

Called Congr. de l'histoire de l'art de guérir.

— 9. Congr. [1932] Programme [et résumés des rapports] 79p. 8°. Bucur., 1932.

— 10. Congr. [1935] Prospectus and program. 199p. illust. 8°. Madr., 1935.

See also London. Wellcome Research Institution. Spanish influence on the progress of medical science. 119p. 21½cm. Lond., 1935.

INTERNATIONAL Congress on HYGIENE

and Demography. 15. Congr. [1912] Handbook of the New York State exhibit at the exhibition ... at Washington, D. C., September 16-October 5, 1912. 90p. 8°. Wash., 1912.

INTERNATIONAL Congress for INDUS-

TRIAL ACCIDENTS and Occupational Disease. 5. Congr. [1928] Opera collecta. xxxvi, 732p. 24½cm. Budap., V. Hornyánszky Soc. anon., 1929.

— 8. Congr. [1938] Bericht. 2v. xxi, 1252p. illust. 25½cm. Lpz., G. Thieme, 1939.

INTERNATIONAL Congress of LIBRARIES and Bibliography.

See [International] Congreso internacional de bibliotecas y bibliografía.

INTERNATIONAL Congress for LIGHT.

1. Congr. [1928] [Rapports; discussions; communications] 543p. incl. illust. tab. diagr. pl. 24cm. Par., Expans. sc. fr. [1929]

Called Conférence internationale de la lumière.

— 3. Congr. [1936] Kongressbericht; hrsg. von H. Schreiber. xxxvi, 736p. illust. pl. tab. fold. ch. 24½cm. Wiesb., 1936.

Called Internationaler Kongress für Lichtforschung.

INTERNATIONAL Congress of MEDICAL HYDROLOGY. 2. Congr. [1889] Procès-verbaux sommaires. 67p. 24cm. Par., Impr. nat., 1889.

— 2. Congr. [1889] Programme des séances et des excursions. 4p. 24cm. Par., Impr. nat., 1889.

— 2. Congr. [1889] [Questions] 79p. 24cm. Par., Impr. nat., 1889.

— 2. Congr. [1889] Statuts. 6p. 24cm. Par., Impr. nat., 1889.

— 7. Congr. [1905] Compte rendu. 1041p. incl. illust. tab. map. 25cm. Venez., A. Pellizzato, 1906.

— 14. Congr. [1933] Rapports. 3 p. l. 538p. incl. tab. pl. fold. map. Par. 21½cm. Par., Expans. sc. fr., 1933.

— 14. Congr. [1933] Discussion des rapports, communications, comptes rendus. 594p. incl. tab. 21½cm. Par., Expans. sc. fr., 1934.

INTERNATIONAL Congress of MEDICINE.

See International Medical Congress.

INTERNATIONAL Congress on MENTAL

HYGIENE. 1. Congr. [1930] Proceedings. 2v. 803p.; 840p. 8°. N. Y., 1932.

INTERNATIONAL Congress for MICRO-

BIOLOGY. 2. Congr. [1936] Report of proceedings. xiii, 579p. incl. tab. portr. 22½cm. Lond., Harrison & Sons, 1937.

INTERNATIONAL Congress of MILITARY

MEDICINE and pharmacy. 1. Congr. [1921] Organization générale du Service de Santé aux armées et rapports. 138p. 8°. Brux., 1921.

— 2. Congr. [1923] Atti. 2v. in 1. iv, 411p.; viii, 585p. 8°. Roma, 1923.

— 3. Congr. [1925] Comptes rendus. 705p. 8°. Par., 1925.

— 4. Congr. [1927] Exposition internationale d'hygiène et du matériel technique du Service de Santé. 18p. 8°. Warszawa, 1927.

— 4. Congr. [1927] Programme général. 32p. 8°. Warszawa, 1927.

— 4. Congr. [1927] Rapports. 2 vol. 346p.; 576p. 8°. Warszawa, E. & K. Koziansky, 1927-28.

— 4. Congr. [1927] [Programme] 35p. 4°. Warszawa, 1927.

— 5. Congr. [1929] Reports. 367p. 25cm. [Lond., H. M. Stat. Off., 1929]

For programme see Great Britain. Army Medical Services. See also Group photograph in Library.

— 6. Congr. [1931] Banquet d'adieu; liste alphabétique des invités. 1 fold l. 30cm. La Haye, 1931.

— 6. Congr. [1931] Invitation. 2 l. 8°. The Hague, 1931.

— 6. Congr. [1931] Liste des membres. 27p. 8°. La Haye, 1931.

— 6. Congr. [1931] Programme. 14p. 18½cm. La Haye, 1931.

— 6. Congr. [1931] Provisional programme. 12p. 18½cm. La Haye, 1931.

— 6. Congr. [1931] Rapports; discours. 2v. 546p.; 217p. 8°. La Haye, 1931.

See also Japan. War Office. Reports to the questions of the 6. International Congress of Military Medicine and Pharmacy concerned to Japan. 23p. 21cm. Tokyo, 1931.

See also Group Photograph in Library.

7. Congr. [1933] [Honorary committee] 12p. 8° Madr., 1933.

7. Congr. [1933] Programa; guía; catálogo oficial. 256p. 8° Madr., 1933.

7. Congr. [1933] [Publication] 6 pt. 8° Madr., 1934.

7. Congr. [1933] Report. 4 p. l. 88p. illust. portr. 23cm. [Wash., 1934]

8. Congr. [1935] Comptes rendus. v.1. 442p. Brux., 1935.

9. Congr. [1937] Programme. 43p. 23cm. [Bucur., 1937]

9. Congr. [1937] Rapports. Tome 2: Festivités, discussion des rapports et communications. 328p. illust. pl. 24cm. Bucur., 1937.

10. Congr. [1939] Official reports; proceedings. 2v. 363p.; 303p. illust. 2 pl. 23½cm. Wash., 1939.

See also reports written by W. S. Bainbridge on various congresses.

INTERNATIONAL Congress of MILITARY MEDICINE and Pharmacy. Permanent Committee. Cinquième session de l'Office international de documentation de médecine militaire. 140p. 8° Liège [1936]

— Liste des chefs des services de santé des armées. 8p. 8° Liège, Off. internat. docum. méd. milit., 1937.

— Annuaire des chefs des services de santé des armées. 8° Liège, 1938.

See also Liège. Office international de documentation de médecine militaire.

[INTERNATIONAL] Congresso internazionale sulla malaria. 2. Congr. [1930] Compte-rendu. 2v. 826p.; 578p. illust. pl. (part col.) map. tab. diagr. 24cm. Alger, 1931.

[INTERNATIONAL] Congresso internazionale di stomatologia. 2. Congr. [1935] Atti. 2v. 1355p. pagged consec. 8° Bologna, 1936.

INTERNATIONAL Congress of OPHTHALMOLOGY.

See International Ophthalmological Congress.

INTERNATIONAL Congress of PHONETIC SCIENCES. 2. Congr. [1935] Proceedings. 5 p. l. 328p. incl. illust. tab. diagr. 23cm. Cambr., Univ. Press, 1936.

INTERNATIONAL Congress of PHOTOGRAPHY. 9. Congr. [1935] Procès-verbaux, rapports et mémoires. 852p. illust. tab. ch. 8° Par., Rev. optique théor. & instrum., 1936.

INTERNATIONAL Congress of PHYSICAL THERAPY. 1. Congr. [1905] Liste des comités d'organisation et de propagande et des membres adhérents au 9 Août 1905; comptes-rendus et rapports. v. p. 8° Anvers, de Vos & van der Groen, 1905-06.

— 2. Congr. [1907] Atti. v.1. 938p. 8° Roma, 1907.

— 3. Congr. [1910] Comptes rendus. 1199p. Par., 1910.

— 3. Congr. [1910] Rapport complémentaire. 21p. 8° Par., 1911.

— 5. Congr. [1930] Comptes rendus. 7 sections, v. p. 8° Brux., Impr. méd. & sc., 1930-31.

INTERNATIONAL Congress for PSYCHIC HYGIENE.

See under International Congress on Mental Hygiene.

INTERNATIONAL Congress of PSYCHOLOGY. 4. Congr. [1900] Compte rendu des séances et texte des mémoires. iii, 814p. illust. 8° Par., F. Alcan, 1901.

— 6. Congr. [1909] Rapports et comptes rendus. vii, 877p. 8° Genève, Kündig, 1910.

— 11. Congr. [1937] Rapports et comptes rendus. 571p. pl. portr. 25cm. Par., F. Alcan, 1938.

INTERNATIONAL Congress of RADIOLOGY. 3. Congr. [1931] Rapports et communications sur les questions à l'ordre du jour. [9] p. l., xxviii, 1056p. illust. ports. 4° Par., Masson & Cie, 1931.

— 5. Congr. [1937] Portrait catalogue. 178p. 1232 portr. 27cm. Chic., 1937.

INTERNATIONAL Congress on RHEUMATISM. 3. Congr. [1932] Rapports et communications. xiii, 602p. pl. 8° Par., Masson & Cie, 1934.

— 4. Congr. [1934] Rapports et communications. vii, 646p. tab. 8° Moskva, 1936.

— 5. Congr. [1936] Comptes rendus. xxxi, 351p. 24cm. Helsin., 1938.

INTERNATIONAL Congress of SANITARY ENGINEERING and Urban Hygiene. 2. Congr. [1931] Generalità e protocollo; relazioni e comunicazioni. 3v. illust. pl. map, tab. (part fold.) diagr. 30cm. Milano, Graphica ars, 1931.

See also International Conference on Sanitary Engineering.

INTERNATIONAL Congress of SANITARY ENGINEERING and Urban Hygiene. Permanent Italian Committee. Rivista internazionale di ingegneria sanitaria ed urbanistica. Milano, v.11, 1933-

INTERNATIONAL Congress of SCIENTIFIC and Social CAMPAIGN AGAINST CANCER. 2. Congr. [1936] [Publication] 3v. illust. pl. ports. tab. ch. 8° Brux., Ligue Nat. c. Cancer, 1936-37.

— 3. Congr. [1939] [Publication] 2p. 210p. 19¼cm. [Atlantic City, 1939]

INTERNATIONAL Congress of STOMATOLOGY.

See [International] Congresso internazionale di stomatologia.

INTERNATIONAL Congress of TROPICAL MEDICINE. 1. Congr. [1928] Comptes rendus. 5v. in 4. 8° Le Caire, 1928.

— 3. Congr. [1938] Acta conventus tertii de tropicis atque malariae morbis. 2v. 720p.; 601p. illust. pl. diagr. 25cm. Amst., Soc. nederl. med. trop., 1938.

INTERNATIONAL Congress of UROLOGY. 6. Congr. [1936] Diskussionen. Bd 2. 333p. illust. 24cm. Par., G. Doin & cie, 1937.

— 7. Congr. [1939] Reports. pt 1. 1 p. l. 555p. incl. illust. tab. 24cm. N. Y., 1939.

[INTERNATIONAL] Congressus dermatologorum internationalis.

See International Dermatological Congress.

INTERNATIONAL congres voor verloskunde en gynaeologie [1938] Handelingen. 2v. Leiden, 1938.

[INTERNATIONAL] Convention internationale pour la protection de la population civile. Avant-projet. 11p. 24cm. [n. p., The Convention, 1936?]

INTERNATIONAL Council of Nurses; quarterly. Genève, v.1, 1926-

INTERNATIONAL Council of Ophthalmology [Directory] Indicia ad oculorum morbos medicosque ab oculis pertinentia, rationum in modum collecta. 2. ed. 503p. portr. 8° Leiden, E. Ijdo, 1933.

INTERNATIONAL DAIRY Congress. United States Delegates. Report, 1928. vi, 135p. tab. diagr. portr. 22½cm. Wash., Gov. Print. Off., 1929.

Forms No. 6, House Doc., 1. Session, 71. Congr., U. S.

INTERNATIONAL DENTAL Congress. 7. Congr. [1926] [Proceedings] v.2. illust. 23½cm. Phila., 1926.

Reprinted from Journal of the American Dental Association.

— 9. Congr. [1936] Berichte. 3v. 1552; 553p. illust. 8°. Wien, Urban & Schwarzenberg, 1937.

INTERNATIONAL Dental Federation. Condensed proceedings of the meeting at Stockholm, Aug., 1902. viii, 76p. 24cm. Phila. [1902]

— Comptes rendus. 399p. 24½cm. Par., 1903.

— Verhandlungen der Jahresversammlung [1907] 113p. facs. portr. 23cm. Berl., Schmitz & Bukofzer, 1908.

INTERNATIONAL DERMATOLOGICAL Congress. 9. Congr. [1935] Deliberationes. 4v. 24cm. Budap., Inst. Typogr. Patria, S. A.; Lpz., J. A. Barth, 1935-7.

— [Atlas] Corpus iconum morborum cutaneorum. Collegit et edidit Ludovicus Nékám. 3v. 24½cm. Lpz., J. A. Barth, 1938.

— Atlas forms v.5 of above: Pt 1, Contextus, Pts 2-3, Illustrationes.

INTERNATIONALE ärztliche Fortbildungskurse.

See Brambacher internationale ärztliche Fortbildungskurse.

INTERNATIONALE Akademie für das ärztliche Fortbildungswesen.

See International Academy for Medical Postgraduate Work.

INTERNATIONAL Education Board.

Weatherall, R. The International Education Board. Nature, Lond., 1941, 148: 398-401.

INTERNATIONALE Facharzt-Fortbildung, 1939. 35p. 12°. Berl., G. Koenig [1939]

INTERNATIONALE Gesellschaft für biologische Rythmusforschung. 2. Konf. [1939] Verhandlungen. 243p. illust. pl. tab. diagr. 24cm. Stockh., A. Fahlerantz, 1940.

Forms Suppl. 108 of Acta med. scand.

INTERNATIONALE Gesellschaft für Logopädie und Phoniatrie. 5. Kongr. [1932] Bericht über die Verhandlungen. 3 p. l. 110; 24p. 24cm. Lpz., F. Deuticke, 1933.

— 6. Kongr. [1934] Bericht. iv, 167p. 8°. Wien, 1935.

INTERNATIONALE Gesellschaft für Sexualforschung.

See under Berlin, Germ., in 4. ser.

INTERNATIONALE haematologische Tagung. 1. Tagung [1937] Sitzungsbericht. 248p. incl. illust. diagr. 23½cm. Berl., W. Mannstaedt & co. [1938]

INTERNATIONALE Kropfkongferenz. 1. Konf. [1927] Bericht. xl, 569p. illust. map. diagr. 8°. Bern, H. Huber, 1928.

— 2. Konf. [1933] Verhandlungsbericht, hrsg. im Auftrag der Schweiz. Kropfkommision von Otto Stiner. li, 698p. illust. tab. diagrs. 8°. Bern, H. Huber, 1935.

— 3. Konf. [1938] Transactions. xix, 547p. 4°. Portland, Ore., Am. Ass. Goiter, 1938.

Forms Transactions of the American Association for the Study of Goiter.

INTERNATIONALE medizinische Woche in der Schweiz.

See [International] Semaine médicale internationale en Suisse.

INTERNATIONALE psychoanalytische Vereinigung.

For publication see Internationale Zeitschrift für Psychoanalyse und Imago.

INTERNATIONALE Radiotherapie. Darmstadt, v.1-3, 1925-28.

INTERNATIONALER ärztlicher Fortbildungskursus mit besonderer Berücksichtigung der Balneologie und Balneotherapie; redigiert von Edgar Ganz. Jena, 1: 1914-

INTERNATIONALER Apothekerbund. Spezialitäten-Kommission. Untersuchungsmethoden für Arzneispezialitäten. 2. Ausg. 2 p. l., 148p. incl. tab. 25cm. Amst., Dekker & Nordemann N. V., 1938.

INTERNATIONALER Astrologen-Kongress. 3. Kongr. [1936] Astrologie 1936 Vorträge und Bericht. 140p. illust. 23½cm. Dusseld., H. Korsch, 1936.

INTERNATIONALE Revue der gesamten Hydrobiologie und Hydrographie. Lpz., v.1-20, 1908-28; v.35, 1937.

INTERNATIONALER Kongress für das ärztliche Fortbildungswesen. 3. Kongr. [1937] Bericht. lix [1] 410p. illust. 25cm. Jena, G. Fischer, 1938.

INTERNATIONALER Kongress für Einheit der Wissenschaft. 2. Kongr. [1936] Das Kausalproblem. p. l., p.275-450. 23½cm. Lpz., F. Meiner, 1937.

Sonderabdruck aus Erkenntnis (R. Carnap & H. Reichenbach, hrsg.) Bd 6.

INTERNATIONALER Kongress für Lichtforschung.

See International Congress for Light.

INTERNATIONALER Kongress der Sozialversicherungsfachleute. 2. Kongr. [1936] Bericht über die Arbeiten. 218p. 26½cm. Stuttg., W. Kohlhammer, 1938.

INTERNATIONALER Kongress für Unfallmedizin und Berufskrankheiten.

See International Congress for Industrial Accidents and Occupational Diseases.

INTERNATIONALER Kongress für Versicherungsmedizin. 4. Kongr. [1906] Berichte und Verhandlungen. 2v. x, 539p.; xviii, 276p. 8°. Berl., 1906.

INTERNATIONALER Sportärzte-Kongress. 2. Congr. [1936] Verhandlungsbericht. xv, 414p. illust. tab. diagr. 8°. Lpz., G. Thieme, 1937.

INTERNATIONALES Archiv für Ethnographie. Leiden, v.25, 1920-

— Inhoudsopgave en index op Oudheidkundige mededeelingen uit het Rijksmuseum van Oudheden; Oude reeks, Deel 1-7 (1907-13) Nieuwe reeks, Deel 1-19 (1920-38) bewerkt door Dr J. H. Holwerda. vii, 51p. 32½cm. Leiden, E. J. Brill, 1939.

INTERNATIONALES Centralblatt für die gesamte Tuberkuloseforschung.

See Zentralblatt für die gesamte Tuberkulose.

INTERNATIONALES Centralblatt für Laryngologie, Rhinologie, und verwandte Wissenschaft.

See Zentralblatt für Hals-, Nasen-, und Ohrenheilkunde sowie deren Grenzgebiete.

INTERNATIONALES Komitee für das ärztliche Fortbildungswesen. Balneologie und Balneotherapie. Ed. by Dr Edgar Ganz. 2 p. l. 459p. 23½cm. Jena, G. Fischer, 1914.

INTERNATIONALES Zentralblatt für experimentelle Phonetik Vox.

See Vox.

INTERNATIONALES Zentralblatt für Ohrenheilkunde und Rhinolaryngologie. Lpz., v.17, 1919-

Forms pt 2 of Folia otolaryngologica.

INTERNATIONALE Vereinigung für experimentelle Zellforschung [1927-]

See under Berlin, Germ. in 4. ser.

INTERNATIONALE wissenschaftliche Lepra-Konferenz. 3. Conf. [1923] Communications et débats, 528p. illust. portr. map. tab. 28cm. Par., J. B. Baillière & fils, 1924.

Title reads: 3. Conférence internationale de la lèpre.

INTERNATIONAL Exposition [Phila., June 1 to Dec. 1, 1926] America welcomes the World; the sesquicentennial.

Poster.

— The Voice of the Liberty Bell; the sesquicentennial.

Poster.

INTERNATIONALE Zeitschrift für Individual-psychologie. Lpz., v.6-15, 1928-37.

INTERNATIONALE Zeitschrift für Psychoanalyse und Imago; offizielles Organ der Internationalen psychoanalytischen Vereinigung. Lond., v.5, 1918-

[INTERNATIONAL] Fédération aéronautique internationale.

See [International] Conférence technique internationale des secours aériens.

INTERNATIONAL Federation of Eugenic Organisations. 12. Conf. [1936] Bericht. 119p. 23½cm. Lond., 1936.

See also Hodson, C. B. S. International Federation of Eugenic Organizations, report of the 1936 conference. Eugen. Rev., Lond., 1936-37, 28: 217-9.

[INTERNATIONAL] Fédération internationale pharmaceutique.

See Internationaler Apothekerbund. Spezialitäten-Kommission.

INTERNATIONAL Federation of Library Associations. Publications. La Haye, v.5, 1934.

See [International] Comité international des bibliothèques. 6. sess. [1933] Actes. La Haye 1934.

INTERNATIONAL GENETICAL Congress.

See International Congress of Genetics.

INTERNATIONAL GEOGRAPHICAL Congress. 3. Congr. [1881] Report upon the ... congress and exhibition; prepared and submitted by George M. Wheeler. 586p. 30cm. Wash., Gov. Print. Off., 1885.

INTERNATIONAL Health Board.

See under Rockefeller Foundation. International Health Board.

INTERNATIONAL Health Bureau of America. Feel young at 75; perfect health for 100 years. 152p. 8°. Springf., Mo. [1926]

INTERNATIONAL Health Commission.

See under Rockefeller Foundation. International Health Commission and Board.

INTERNATIONAL health yearbook.

See under League of Nations.

INTERNATIONAL Health Office [Paris]

Fernández Ruiz Sánchez, L. Comité permanente del Office internacional de higiene pública. Bol. técn. Dir. gen. san., Madr., 1930, 5: 767-80; 1931, 6: 9-34.—**Joannovich, G.** [Meeting of the Permanent Committee of the International Office for Public Hygiene held October 13-22, 1930, in Paris] Glasnik, Beogr., 1930, 10: 87-112. — [Meeting of the Permanent Committee of the International Office of Public Hygiene, held May 11-12, 1931 in Paris] Ibid., 1931, 12: 32-52. — [Report on the meeting of the Permanent Committee of the International Office of Public Health, held October 1-10, 1931 in Paris] Ibid., 53-80.

INTERNATIONAL Information Bureau. The expert; United States, Canada, Cuba; attorneys, physicians, laboratories and dentists. Vol. 37, No. 1. 320p. 8°. S. Paul, Riverside Press [1933]

INTERNATIONAL Institute of Agriculture [Roma]

Publisher of International review of agricultural economics.

INTERNATIONALISM.

See also Interamericanism.

PERU. COMISIÓN NACIONAL PERUANA DE COOPERACIÓN INTELECTUAL. Boletín. Lima, v.1, 1941-

UNION DES ASSOCIATIONS INTERNATIONALES. Constitution du centre international; congrès mondial; office central; musée international; documentation universelle. 168p. 8°. Brux., 1912.

VIE (LA) INTERNATIONALE; revue mensuelle des idées, des faits et des organismes internationaux. Brux., v.1, 1912.

Abbot, C. G. The Smithsonian Institution as an illustration of internationalism in science. Science, 1942, 95: 639-41.—**Administration** in international affairs. Nature, Lond., 1941, 148: 777.—**Brecht, A.** Limited-purpose federations. Social Res., 1943, 10: 135-51.—**Chafee, Z., jr.** International utopias. Proc. Am. Acad. Art. Sc., 1942-44, 75: 39-53.—**Claparède, E.** Psychologie de la compréhension internationale. Rapp. Congr. internat. psychol. (1937) 1938, 11. Congr., 203-11.—**Council** on human relations. Am. J. Sociol., 1941-42, 47: 982.—**Dexter, L. A.** Implications of supranational federation. Am. Sociol. Rev., 1942, 7: 400-6.—**Education** for international reconstruction. Nature, Lond., 1941, 148: 349-51.—**Espenschied, L., & Whittemore, L. E.** The International Telegraph and Radio Conferences of Madrid. Bell Telephone Q., 1933, 12: 55-62 (Clipping)—**Gregory, R.** International systems and standards. Nature, Lond., 1942, 150: 620-2.—**Hering, H. E.** Internationaler Inhalt, aber nationale Männer der Wissenschaft. Deut. med. Wschr., 1914, 40: 2042.—**International** cultural relationships. Nature, Lond., 1941, 147: 277.—**International** Institute of Documentation, Copenhagen congress. Ibid., 1935, 136: 727.—**Leadership** in international relations. Ibid., 1942, 149: 479-82.—**Lord, J. R.** The human factor in international relations. Ment. Hyg. Bull., Alb. 1934, 18: 177-88.—**Lyons, H.** The International Research Council (later the International Council of Scientific Unions) Advance. Sc., Lond., 1942, 2: 178-81.—**Mackenzie, M.** National release and international co-operation. In his Human Mind, Phila., 1941, 200-3.—**Pollak, K.** Die Internationale Union zur Förderung der Wissenschaft. Münch. med. Wschr., 1911, 58: 2617-20.—**Robin, A., Laveran** [et al.] Sur les relations scientifiques internationales d'après guerre. Bull. Acad. méd., Par., 1918, 3. ser., 80: 317.—**Stagner, R.** A note on education and international attitudes. J. Social Psychol., 1942, 16: 341-5.—**World** co-operation in production, consumption and distribution. Nature, Lond., 1942, 150: 387-9.—**Wright, Q.** International organization and war. In his Study of War, Chic., 1942, 2: 1043-76. — Measurement of international relations. Ibid., 1240-60. — Opinions of governments with respect to forms of international organization. Ibid., 1445-7.

— **medical.**

See also such headings as Health law, international; Health organization, international, etc.; see also names of international congresses and societies.

ELJSMAN, P. H. L'internationalisme médical. 44p. 8°. Amst., 1910.

Anglo-Soviet medical cooperation. J. Am. M. Ass., 1941, 117: 1905.—**Association** (A propos de l') internationale de dermatologie et de syphiligraphie. Bull. Soc. fr. derm. syph., 1914, 25: 326-8.—**Grossi G. V.** Anotaciones al Código sanitario, arregli internacional, firmado en Bruselas el 1. de diciembre de 1924. Rev. san. nav., Valparaíso, 1937, 7: 228-35.—**Internationalisme** médicale. Rev. méd., Louvain, 1923, 65-7.—**Jaulin.** L'Association pour le développement des relations médicales entre la France et les pays alliés ou amis. Presse méd., 1921, 29: annexe, 785.—**Krasnow, F.** International Association for Dental Research, scientific proceedings of the New York section, June 4, 1941. J. Dent. Res., 1941, 20: 385-7.—**MacEachern, M. T.** World unity in relief of suffering. Tr. Am. Hosp. Ass., 1939, 41: 637-63.—**Mayo, C. H.** International medical progress. Tr. Panamer. M. Congr. (1931) 1933, 3. Congr., 40.—**P. Miranda, F. de.** Relaciones médicas internacionales. Ibid., 36-9.—**Pruneda, A.** The international medical relations. Ibid., 35. — Lo que puede hacerse para desarrollar las relaciones médicas internacionales. Ibid., 27-35.—**Trader, J. W.** International medicine, a paper on state medicine and public hygiene. Mem. Congr. méd. panamer. (1896) 1898, 2. Congr., 1: 245-7.—**Willems, C.** Un projet de fédération des Associations médicales internationales. Bull. Acad. méd. Belgique, 1920, 4. ser., 30: 451-6.

INTERNATIONAL journal of gastro-enterology. N. Y., v.1, 1921.

Ceased publication.

INTERNATIONAL journal of leprosy, Manila v.1, 1933-

INTERNATIONAL journal of medicine and surgery. N. Y., v.36, No. 8-v. 48, No. 6, 1923-1935.

1.-36., No. 7, 1888-July 1923, had title *International journal of surgery*; ceased publication with v.48, No. 6.

INTERNATIONAL journal of orthodontia and dentistry for children. S. Louis, 19. 21., 1933-35.

1.-18., 1915-32, had title *International journal of orthodontia, oral surgery and radiography*; title changed with v.22 to *International journal of orthodontia and oral surgery*.

INTERNATIONAL journal of orthodontia and oral surgery. S. Louis, 22-23, 1936-37.

Formerly *International journal of orthodontia and dentistry for children*; beginning with v.24, 1938, title changed to *American journal of orthodontia and oral surgery*.

INTERNATIONAL journal of orthodontia, oral surgery and radiography. S. Louis, v.1-18, 1915-32.

Beginning with v.19, 1933, title changed to *International journal of orthodontia and dentistry for children*.

INTERNATIONAL journal of psycho-analysis. Lond., v.1, 1920-

— Research supplements. Lond., No. 4, 1940-

CONTENTS

No. 4, An investigation of the technique of psychoanalysis. E. Glover, ed. 1940.

INTERNATIONAL journal of public health. Genève, v.1-2, 1920-21.

Ceased publication.

INTERNATIONAL journal of sex-economy and orgone-research; official organ of the International Institute for Sex-Economy and Orgone-Research. N. Y., v.1, 1942-

INTERNATIONAL journal of surgery. N. Y., v.1-36, No. 7, 1888-1923.

Title changed with v.36, No. 8, Aug. 1923, to *International journal of medicine and surgery*.

[INTERNATIONAL] Journées internationales de la santé publique. 1. Congr. [1937] [Programme] 182p. incl. illust. 20½cm. [Par., 1937]

— Congrès international des auxiliaires médicaux, et 1^{er} Congrès international de massage. 109p. incl. portr. 27cm. Par., Chambre Syndic. Aux. Méd. [1937]

[INTERNATIONAL] Kongress für Kurzwellen in Physik, Biologie, und Medizin [Wien 1937] [Referate und Mitteilungen] 351p. 8°. Wien, M. Perles, 1937.

INTERNATIONAL Labour Office. International Labor Office; monthly. Genève, v.8, 1934-

— Occupation and health; encyclopaedia of hygiene, pathology, and social welfare. 2v. xxvi, 999p.; vii, 1310p. illust. tab. 8°. Genève, 1930-34.

— Occupation and health. Supplement 1938-40. 3 pt. 26½cm. Genève, 1938-40. Loose-leaf.

— Studies and reports; Ser. F (Industrial hygiene) Genève, 1923-

— Studies and reports; Ser. M (Social insurance) Genève, No. 15, 1938-

CONTENTS

No. 15. Economical administration of health insurance benefits. 1938.

No. 17. Actuarial technique and financial organisation of social insurance. L. Féraud. 1940.

See also *International (The) Labour Organisation*. Nature Lond., 1941, 148: 763-6.—*Smith, J.* What path for social evolution? *Panamerican*, 1941-42, 2: No. 7, 13.—*Winant, J. G.* The International Labor Office in wartime and after. *Foreign Affairs*, 1940-41, 19: 633-40.

INTERNATIONAL law.

See also such headings as *Health law*, *internationalism*; *Prisoner of war*; *Red Cross*; *War*; *Wounded*, etc.

CLÉMENTS, R. Le projet de Monaco; le droit et la guerre; villes sanitaires et villes de sécurité; assistance sanitaire internationale. 307p. 8°. Par., 1937.

LA PRADELLE, A. DE, VONCKEN, J., & DE-HOUSSE, F. La reconstruction du droit de la guerre. 147p. 25cm. Par., 1936.

REISLER, S. Proposal for simultaneous courts for adjudication of international disputes. 7p. 22½cm. Indianap., 1929.

VONCKEN, J. Le droit des gens et la guerre. 94p.; 7p. 24½cm. Par., 1937.

— Réalisation des zones sanitaires. 7p. 24½cm. Liège, 1939.

Ariman, H. [On international humanitarian initiatives (7th Congress of military medicine)] *Askeri sihihiye mecmuasi*, 1938, 67: No. 24, 59-65.—*Commission médico-juridique pour l'étude des lois de la guerre*. Sess. Off. internat. docum. méd. mil. (1934) 1936, 4. Sess., 257-64.—*Dehousse, F.* Le projet de Monaco et le droit international. *Ibid.*, 233-56.—*Delpérée, R.* Nouvelles conceptions du rôle des non-belligérants. *Arch. méd. belges*, 1936, 89: Bull., 68-71.—*Exposé des projets de Monaco*. Sess. Off. internat. docum. méd. mil. (1934) 1936, 4. Sess., 217-32.—*Jessup, P. C.* International law and totalitarian war. In *Science & Man* (Anshen, R. N.) N. Y., 1942, 361-74.—*Jinga, P.* Projet de création de zones sanitaires. *Rapp. Congr. internat. méd. pharm. mil.*, 1937, 9. Congr., 2: 288-93.—*La Pradelle, A. de.* Si la guerre éclatait, quelles seraient ses lois? Sess. Off. internat. docum. méd. mil. (1934) 1936, 4. Sess., 211-6.—*Lewis, W. D.* An international bill of rights. *Proc. Am. Philos. Soc.*, 1941-42, 85: 445-7.—*Marin Rojas, J.* La reconstruction du droit de la guerre, por J. Voncken, Albert de La Pradelle, y Fernand Dehousse. *Rev. san. nav.*, Valparaíso, 1936, 6: 216-8.—*Pictet, J.* La protection juridique de la population civile en temps de guerre. *Rev. internat. Croix Rouge*, 1939, 21: 268-86. — La protection juridique de la population civile en temps de guerre; qu'est-ce que la population civile? *Ibid.*, 458-70.—*Piovano, E.* Leyes de guerra, consideraciones sobre su existencia, convenciones internacionales; su valor a través de las guerras. *Rev. mil.*, B. Air., 1942, 42: pt 2, 1195-200.—*Reconstruction (La)* du droit de la guerre, por de La Pradelle, Voncken, y F. Dehousse, Paris. *Rev. san. nav.*, Valparaíso, 1936, 6: 220.—*Réunions médico-juridiques internationales pour la protection de la population civile en temps de guerre*, Liège, 24-28 juin, 1939. *Protect. pop. civ.*, Par., 1938, 1: 195-9.—*Rodgers, W. L.* Future international laws of war. *Chem. Warf. Bull.*, 1940, 26: 4-13.—*Rolin, H. E. A. M.* Public opinion and international law. *Social Res.*, 1942, 9: 169-82.—*Voncken, J.* Une nouvelle croisade: le droit dans la guerre. *Internat. Nurs. Rev.*, Genève, 1937, 11: 208-15. — Les possibilités d'humanisation de la guerre. *Protect. pop. civ.*, Par., 1939, 2: 3-24. — Realización de las zonas sanitarias. *Rev. san. nav.*, Valparaíso, 1939, 9: 24-9.—*West, R.* A psychological theory of law and international law. *Brit. J. Psychol.*, 1942-43, 33: 93-102.—*Wright, Q.* International procedures and war. In his *Study of War*, Chic., 1942, 2: 923-52. — Law and violence. *Ibid.*, 863-94. — Legal and political disputes. *Ibid.*, 1425-8. — Theories of state responsibility under international law. *Ibid.*, 1416-24.

INTERNATIONAL League against Rheumatism.

See *International Congress on Rheumatism*.

[INTERNATIONAL] Liga homoeopathica internationalis. 10. Congr. [1935] *Sitzungsberichte*. Dresd., 1935.

INTERNATIONAL MANAGEMENT Congress. 7. Congr. [1938] *Papers*. 6v. Balt., 1938.

— 7. Congr. [1938] *Proceedings*. 341p. 4°. Balt., 1938.

INTERNATIONAL MARINE Conference [1889] Reports of committees and report of United States delegates to Secretary of State. 502p. diagr. 23½cm. Wash., Gov. Print. Off., 1890.

INTERNATIONAL medical annual. Balt., v.7, 1889-

Incomplete.

INTERNATIONAL medical blue book. N. Y., v.5, 1935-

INTERNATIONAL MEDICAL Congress. 2. Congr. [1869] *Relazione del dottore Plinio Selvardi*. 138p. 21½cm. Milano, De Cristoforis, 1869.

— 6. Congr. [1879] [Programme] 13p. 8° Amst., 1879.

— 17. Congr. [1913] General volume. 164p. 8° Lond., Oxford Univ. press, 1914.

— 17. Congr. [1913] Radiology; sect. xxii, pt 1. 215p. 8° Lond., Oxford Univ. press, 1913.

INTERNATIONAL MEDICAL Congress [Philadelphia, 1876] [Scrapbook of programs, announcements, clippings, etc.] v. p. 29cm. Phila., 1876.

INTERNATIONAL MEDICAL Congress for Psychotherapy. 2. Congr. [1927] Bericht. xi, 369p. 25cm. Lpz., S. Hirzel, 1927.

INTERNATIONAL medical digest. Hagerstown, Md., v.2, 1921—

INTERNATIONAL medical and surgical survey. N. Y., v.2-9, 1921-25.

INTERNATIONAL Mercantile Marine Officers' Association.

See *International Conference on Health of the Seamen*.

INTERNATIONAL nursing review. Genève, v.5, 1930—

Title formerly *The I. C. N.* [International Council of Nurses]

[**INTERNATIONAL**] *Office international de documentation de médecine militaire.*

See Liège, *Office international de documentation de médecine militaire.*

INTERNATIONAL Ophthalmological Congress. 13. Congr. [1929] v.1-2, Transactions; v.3, Symposia; v.4, Reports; v.5, Abstracts. 5v. illust. pl. (part. col.) tab. (part. fold.) 25cm. (v.5, 20cm.) Amst., 1930.

— 15. Congr. [1937] [Transactions] 7v. pl. (part. col.) 24½cm. Le Caire, 1938.

CONTENTS

1. Thèmes officiels (rapports) sur l'hypertension artérielle de la rétine.—2. Communications et discussions sur l'hypertension artérielle de la rétine.—3. Thèmes officiels (rapports) sur l'endocrinologie et l'œil.—4. Communications et discussions sur l'endocrinologie et l'œil et communications libres.—5. Organisation internationale pour la lutte contre le trachome et Association internationale de prophylaxie de la cécité.—6. Démonstrations, expositions et partie administrative.—7. Rapport de l'Association internationale de prophylaxie de la cécité sur le nombre des aveugles et la protection des yeux dans les différents pays.

INTERNATIONAL Organization against Trachoma. 5. Meeting: Report. 255p. 24½cm. Le Caire, 1938.

Forms 1. half, v.5 of [Transactions] 15. Internat. Ophth. Congr.

INTERNATIONAL ORTHODONTIC Congress. 1. Congr. [1926] [Publication] xxxii, 767p. 8° S. Louis, 1927.

INTERNATIONAL PHARMACEUTICAL Congress. 8. Congr. [1897] Rapports; compte rendu. v. p. illust. 24cm. Brux., 1897.

Cinquantenaire de l'Association générale pharmaceutique de Belgique.

— 12. Congr. [1935] Comptes rendus, rapports. 1071p. illust. pl. port. tab. 8° [Brux., 1935]

INTERNATIONAL Phenomenological Society [Buffalo]

See *Philosophy and phenomenological research*. Buffalo, v.1, 1941—

INTERNATIONAL PHYSIOLOGICAL Congress. 13. Congr. [1929] Abstracts of communications. p. l., 300p. incl. tab. diagr. 24cm. [Bost., 1929]

— 14. Congr. [1932] *Sunti delle comunicazioni scientifiche*. 270p. 8° Roma, L. Cappelli, 1932.

— 15. Congr. [1935] Proceedings. viii, 640p. pl. portr. 26cm. Moskva, State Biol. Med. press, 1938.

Forms No. 5-6, of v.21, Skenhov J. Physiol.

INTERNATIONAL Projector Corporation [New York] General instructions for installation and operation of Simplex-Acme projector and sound equipment. 33p. illust. fol. N. Y. Internat. Proj. Corp., 1935.

Lithoprinted.

INTERNATIONAL psycho-analytical library; edited by Ernest Jones. Lond., No. 1, 1921—
CONTENTS

No. 1. Addresses on psycho-analysis, J. J. Putnam, 1921.
No. 2. Psycho-analysis and the war neuroses, 1921.
No. 3. Psycho-analytical study of the family, J. C. Flügel, 1921.

No. 4. Beyond the pleasure principle, S. Freud, 1922.
No. 5. Essays in applied psycho-analysis, E. Jones, 1923.
No. 6. Group psychology, S. Freud, 1922.
No. 7-10. Collected papers of Sigmund Freud, 1924.
No. 11. Further contributions to the theory and technique of psycho-analysis, S. Ferenczi, 1926.

No. 12. Ego and the Id, S. Freud, 1927.
No. 13. Selected papers of Karl Abraham, 1927.
No. 15. Future of illusion, S. Freud, 1928.
No. 17. Civilization and its discontents, S. Freud, 1930.
No. 18. Psychology of clothes, J. C. Flügel, 1930.
No. 19. Ritual, T. Reik, 1931.
No. 20. On the nightmare, E. Jones, 1931.

No. 24. New introductory lectures on psycho-analysis, S. Freud, 1933.

No. 29. Dream analysis, E. F. Sharpe, 1937.

No. 30. The ego and the mechanisms of defence, A. Freud, 1937.

No. 31. Clinical aspects of psycho-analysis, R. Laferrière, 1938.

INTERNATIONAL PSYCHOTECHNIC Conference. 4. Conf. [1927] *Comptes rendus*. xvi, 686p. incl. tab. pl. 25½cm. Par., F. Alcan, 1929.

— 8. Conf. [1934] *Comptes rendus*. 864p. illust. 25cm. Praha, Com. Nat. Org. Orbis, 1935.

INTERNATIONAL RABIES Conference [1927]

See Marie, A. C., Remlinger, P., & Vallée, H. Reports. 164p. 24cm. Genève, 1927.

INTERNATIONAL RED CROSS Conference. See *Red Cross*.

INTERNATIONAL review of agricultural economics. Roma, v.10—p. ser., v.4, 1919-26.

INTERNATIONAL review of educational cinematography. Roma, v.1-2, 1929-30.

INTERNATIONAL review of medicine and surgery. Lond., v.1, No. 3, 1939—

INTERNATIONAL review of the science and practice of agriculture. Roma, n. ser., v.1-4, 1923-26.

Continuation of *International review of agricultural economics*.

[**INTERNATIONAL**] *Riunione straordinaria internazionale sulle onde corte in medicina*. Relazione. 257p. 24½cm. Milano, 1935.

Forms No. 3-4, v.24, of *Atti Accad. med. lombarda*.

INTERNATIONAL Sanitary Conference of the American Republics.

See *Pan American Sanitary Conference*.

INTERNATIONAL Sanitary Convention of the American Republics.

See *Pan-American Sanitary Conference*.

[**INTERNATIONAL**] *Semaine médicale internationale en Suisse*. 1. sess. [1935] [Publication] 477p. 8° Basel, 1935.

— 3. sess. [1937] [Publication] 522p. incl. illust. tab. diagr. 23cm. Basel, B. Schwabe & cie, 1938.

[INTERNATIONAL] Società internazionale di microbiologia. Sezione italiana.

See Italy. Congresso nazionale di microbiologia.

[INTERNATIONAL] Société internationale de chirurgie. Journal international de chirurgie. Brux., v.1, 1936—

See also International Surgical Congress.

See also Transfer to the United States of the headquarters of the International Society of Surgery. Science, 1942, 96: 508.

INTERNATIONAL Society for Crippled Children. Committee on Institutions. Directory; hospitals and institutions in the United States engaged in work for crippled children. 37p. 22½cm. Elyria, Ohio, 1938.

INTERNATIONAL Society of Urology.

See International Congress of Urology.

INTERNATIONAL SURGICAL Congress. Procès-verbaux; discussions; rapports [etc.] v.pl. 1-10. Congr. (1905-36) 1907-36.

INTERNATIONAL surgical digest. Hagerstown, Md., v.1, 1926—

[INTERNATIONAL] Symposium on Early Man] Early man as depicted by leading authorities; ed. by George Grand MacCurdy. 362p. illust. pl. map. 8°. Phila., J. B. Lippincott, 1937.

[INTERNATIONAL] Union internationale contre la tuberculose. 1. Conf. [1920] [Publication] 212p. 8°. Par., Masson, 1921.

— 3. Conf. [1922] [Publication] 429p. front. 8°. Brux., Palais d'Acad., 1922.

— 4. Conf. [1924] [Publication] 441p. 12 pl. tab. diagr. 25cm. Lausanne, La Concorde [1925]

— 6. Conf. [1928] [Relazione] xl, 732p. 8°. Roma [C. Colombo] 1929.

Published by the Federazione nazionale italiana fascista per la lotta contro la tuberculose.

INTERNATIONAL VETERINARY Congress. 10. Congr. [1914] v.1 [General] v.2, Reports for the sectional meetings; v.3, Reports for the general meetings. 3v. 8°. Lond., J. Bale, sons & Danielsson, 1915.

INTERNATIONAL who's who, 1937 [8]p.; 1166p. 8°. N. Y., Longmans, Green [1937]

— The same, 1939. 4 p. l. 1312p. 26cm. Lond., Europa pub., 1939.

INTERNATIONAL (The) Year Book of Child Care and Protection, 1925; compiled from official sources by Edward Fuller, with a preface by the Marchioness of Aberdeen and Temair. xvi, 565p. 8°. Lond., Longmans, Green & co., 1925.

INTERNE; journal of the Association of Internes and Medical Students. New York, v.6, No. 2, 1940—

Former pub.: Interne Council of America.

INTERNIST.

See also Internal medicine.

[ARGENTINA] SOCIEDAD DE MEDICINA INTERNA. Revista. B. Air., v.1, 1925—

CHICAGO SOCIETY OF INTERNAL MEDICINE. Transactions. Chic., v.1-2, 1917.

Blankenhorn, M. A. Graduate training in internal medicine in a municipal hospital. J. Ass. Am. M. Coll., 1940, 15: 153-6.—Breuer, M. J. The prestige of the internist. Ann. Int. M., 1931, 5: 381-4.—Carr, J. G. The physician and the internist. Proc. Inst. M. Chicago, 1940-41, 13: 206-10.—Corwin, A. M. The internist. Med. Mentor, 1932, 3: 141-3.—Fryer, D. Predicting abilities from internists. J. Appl. Psychol., 1927, 11: 212-25.—Gänsslen. Erfahrungen aus der internistischen Beratertätigkeit. Deut. Militärarzt, 1941, 6: 19-23.—Grober. Die Tätigkeit des beratenden inneren Mediziners im Heere. Ibid., 1936, 1: 189-93.—Laus, C. J. Specialism in internal medicine. Phi Chi Q., Menasha, 1938, 35: 191.—Musser, J. H. Opportunities for the training of

future internists. Proc. Congr. M. Educ., 1938, 34. Congr., 30-3. Also Fed. Bull., Chic., 1938, 24: 336-45. Also J. Am. M. Ass., 1938, 110: 1328-31. Also Diplomate, 1939, 11: 63-8.—Pepper, O. H. P. What is an internist? Ann. Int. M., 1939-40, 13: 1791-8. Also Diplomate, 1941, 13: 93-9.—Stengel, A. The training and equipment of the internist. Ann. Clin. M., 1925-26, 4: 851-60.

INTERMENT.

See also Prisoner of war.

GREAT BRITAIN. FOREIGN OFFICE. Misc. No. 30 (1916): Reports of visits of inspection made by officials of the U. S. embassy to various internment camps in the United Kingdom. 40p. f. Lond., 1916.

— [Report and correspondence on the conditions of diet and nutrition in the internment camp at Ruhleben, and on the proposed reciprocal release of interned civilians] 5 Nos. f. 1916-17.

WILLIAMS, L. R. Prison camps and the effect of the war on the civil population in France and England. Section III. 25 l. 4°. [after 1918, n. pl.]

Typewritten.

Arrêté royal; Bureau officiel belge de renseignements sur les prisonniers de guerre militaires et civils, 2 septembre 1939. Bull. san. pub., Brux., 1939, 4: 692.—Arrêté royal belge sur le traitement des prisonniers de guerre militaires et civils, du 2 septembre 1939. Rev. internat. Croix Rouge, 1939, 21: 983.—D. L. Comité consultatif pour la lecture des prisonniers et internés de guerre. Ibid., 1942, 24: 122-35.—Décret du Duce del Fascismo, chef du Gouvernement; 4 septembre 1940 (XVIII), dispositions relatives au traitement des sujets ennemis internés. Ibid., 1940, 22: 920-2.—Descocudres, P. Soudan anglo-égyptien, visites de camps de prisonniers de guerre italiens et d'internés civils. Ibid., 1942, 24: 578-88.—Franchise de port en faveur des internés civils. Ibid., 1940, 22: 661.—Grasset. Camp de Koffefontaine. Ibid., 1941, 23: 811-3.—Haccius, R. A. Visites de camps de prisonniers de guerre et d'internés civils allemands et italiens en Grande-Bretagne. Ibid., 474-84.—Huber, C. Visite du centre d'internement sur parole d'Hazaribagh, Indes britanniques. Ibid., 1942, 24: 108.—Visite du camp d'internés civils japonais de New Delhi, 21 février 1942. Ibid., 513.—Junod & Pilloud, M. Visites de camps de prisonniers de guerre et d'internés civils en France du 17 au 25 juin 1940. Ibid., 1940, 22: 605-15.—Kaminski, H. E. Los campos de concentración. In his Nazismo, B. Air., 1940, 150-5.—Korner, I. The psychological needs of the individual dissolving in the mass and the possibilities of clinical help; observations in a French internment camp. J. Social Psychol., 1942, 16: 143-50.—Laird, C. N. Food supplies in a Japanese internment camp. Nutr. Rev., 1942-43, 1: 97.—Maag, E. Camps de prisonniers de guerre et d'internés civils allemands au Canada. Rev. internat. Croix Rouge, 1941, 23: 280.—Marti, R., & Descocudres, P. Visites de camps de prisonniers de guerre et d'internés civils en Allemagne, 14-22 août 1940. Ibid., 1940, 22: 975-90.—Marti, R., & Morsier, J. de. Visites de camps d'internés Israélites en France occupée. Ibid., 1941, 23: 813-5, 16pl.—Medical aspects of concentration camps. Nova Scotia M. Bull., 1941, 20: 70-2.—Mohr, W. Krankheiten und Gesundheitszustand der in West- und Nordafrika internierten Deutschen. Med. Welt, 1941, 15: 63-9, pl.—Moll, R. Visites de camps d'internés civils allemands de Copieweg. Rev. internat. Croix Rouge, 1942, 24: 338.—Monod. The Red Cross in civilian internment camps. Bull. League Red Cross Soc., 1942, 23: 31.—Morel, G. Visite d'un camp d'internés civils italiens en Australie occidentale. Rev. internat. Croix Rouge, 1941, 23: 992-5.—Perrot, de. L'internement en Suisse, 1940-1941. Ibid., 132-47, 8 pl.—Peter, M. Visite d'un camp d'internés civils, allemands, italiens, japonais, aux Etats-Unis; Camp Fort Georges Meade. Ibid., 1942, 24: 672-4.—Senn, G. C. Visites des camps d'internés civils I et II en Rhodésie du Sud. Ibid., 1941, 23: 989-92.—Soins dentaires aux prisonniers de guerre et aux internés civils. Ibid., 1940, 22: 995-8.—Vaucher, G. Visite des internés italiens à l'Hospice autrichien de Jérusalem. Ibid., 1941, 23: 815.—Descocudres, P., & Morel, G. Missions du Comité international de la Croix-Rouge; visites de camps d'internés. Ibid., 1942, 24: 411-23.—Visite du camp d'hébergement de Troyes (Lycée Jules Ferry) faite par les Drs. R. Schirmer et J. de Morsier. Ibid., 746-8.—Visite du camp d'internés civils allemands de Bonaire (Antilles néerlandaises), faite par M. W. A. Trinler, 23-25 août 1941. Ibid., 42-4.—Visite d'un camp d'internés civils, faite par M. Roth, camp du Fort National, Port-au-Prince, 21 mai 1942. Ibid., 758.—Visites de camps de prisonniers de guerre et d'internés civils allemands en France, 18-24 février 1940. Ibid., 1940, 22: 271-7, 8 pl.—Visites de camps de prisonniers de guerre et d'internés civils, en Allemagne. Ibid., 1941, 23: 192-211, 12 pl.—Visites de camps d'internés civils, faites par M. R. Senn. Ibid., 1942, 24: 749.

INTERNS handbook; a guide to rational drug therapy, clinical procedures and diets, by members of the faculty of the College of Medicine, Syracuse University, under the direction of M. S. Dooley. 254p. 16°. Phila., J. B. Lippincott co. [1929] Also 2. ed., rev. & reset. xv, 523p. illust. tab. diagr. form. pl. 18cm. [1938]

INTEROSSEOUS artery.

See also **Forearm; Hand; Ulnar artery.**

Busch, W. Verkalkungsherde im Verlauf der Arteria interossea volaris. Fortsch. Röntgenstrahl., 1925, 33: 954.

INTERPOLATION.

See **Graph; Statistics.**

INTERPRETATIONAL insanity.

See **Delusional states, False interpretation.**

INTERRENALISM.

See **Intersexuality; also Suprarenal cortex, Hyperfunction.**

INTERRENAL system.

See **Suprarenal cortex.**

INTERSCAPULAR gland.

Inglis, K. The so-called interseapular glands and tumours arising therein. J. Anat., Lond., 1926-27, 61: 452-66, 6 pl.—**Reuben, M. S., & Peskin, A. E.** Tumor of the interseapular gland. Arch. Pediat., N. Y., 1928, 45: 243-8.

INTERSEXUALITY.

See also **Gynandry; Hermaphroditism; Homosexuality.**

GANDARA, R. A. *Intersexualidad e intersexualismo [Univ. Chile] 144p. 8°. [Valparaiso] 1930.

GOLDSCHMIDT, R. B. Die sexuellen Zwischenstufen. 528p. 8°. Berl., 1931.

— Le déterminisme du sexe et l'intersexualité. Nouv. éd. 193p. 19cm. Par., 1937.

HIRIART CORVALAN, O. *De los estados intersexuales. 112p. 8°. Valparaiso, 1930.

SCHULER, L. *Ueber den Intersexismus [Heidelberg] 47p. 21cm. Augsb., 1937.

Banta, A. M. A strain of sex intergrades. Anat. Rec., 1916-17, 11: 595.—**Bounoure, L.** Sexe et intersexualité dans la biologie moderne. Rev. gén. sc. pur., 1939, 50: 178-86.—**Criado y Aguilar, F.** Refutación de las teorías de la intersexualidad. Siglo méd., 1932, 89: 321-5; 457-63.—**Hall, H. F.** A note on terminology regarding intersexes. J. Hered., 1941, 32: 309; 314.—**Herzog, A., Bandhauer, E.** [et al.] Intersexualität. Klin. Wschr., 1940, 19: 1000 (microfilm)—**Joyet-Lavergne, P.** L'intersexualité et la sexualisation cytoplasmique. Rev. gén. sc. pur., 1930, 41: 533-43.—**Levi, M.** L'origine dell'intersexualità. Arch. antrop. crim., Tor., 1929, 49: 496-502.—**Mackevičaitė-Lašienė, J.** [Predetermination of sex and the problem of intergrade sex] Medicina, Kaunas, 1934, 15: 617-24.—**Marañón, G.** Les états intersexuels de la puberté. In La puberté (G. Laroche) Par., 1938, 33-48.—**Mochlig, R. C., & Allen, N. M.** Intersexuality. J. Am. M. Ass., 1939, 112: 1938.—**Morhardt, P. E.** Acquisitions nouvelles sur l'intersexualité. Presse méd., 1930, 38: 253-5.—**Quintels, F.** Considerações sobre a intersexualidade. Rev. méd. mun., Rio, 1941, 1: 783-840.—**Rubovits, W. H., & Saphir, W.** Intersexuality. J. Am. M. Ass., 1938, 110: 1823-6.—**Sexual intergrades.** Lancet, Lond., 1936, 2: 29.—**Soresi, A. L.** The complementary sex and its important function. Med. Rec., N. Y., 1936, 143: 47-50.—**Stigler, R.** Die rassephysiologische Bedeutung der sexuellen Applanation. Zschr. Rassenphysiol., 1935, 7: 67-88.

Clinical aspect.

LEVI, M. Elementi per uno studio clinico dell'intersexualità. 67p. 4°. Bologna, 1936.

Bergstrand, H. Ueber einige Formen von Intersexualität beim Menschen, unter besonderer Berücksichtigung neuerer

Theorien über die Geschlechtsbestimmung. Klin. Wschr., 1931, 13: 580-1.—**Bianchini, L.** Virilismo prosopopilar e androfanía nella donna alienata (donne alienée barbutée con faccia mascolina) Arch. gen. neur., Nocera, 1930, 11: 121; 133, 5 pl.—**Bonilla, E.** Contribución al estudio de la macrogenitosomía, con descripción de un caso de síndrome macrogenitosómico, e intersexualismo puberal de tipo ginecomástico. Arch. españ. pediat., 1928, 12: 591-609.—**Brindeau, A.** Courte revue sur l'intersexualité. Gyn. obst., Par., 1939, 40: 359-61.—**Broster, L. R.** The adrenogenital syndrome. Lancet, Lond., 1934, 1: 830-4. — The clinical and surgical aspect of the adrenogenital syndrome. In Adrenal Cortex (Broster, L. R., et al.) Lond., 1938, 5-31.—**Carlisle, W. T., & Geiger, C. J.** Two cases of intersexualty. Am. J. Obst., 1938, 36: 1047-52.—**Goldschmidt, R.** Intersexualität und menschliches Zwittertum. Deut. med. Wschr., 1931, 57: 1288-92.—**Hering, E. M.** Intersexualität. Zschr. ärztl. Fortbild., 1932, 29: 647.—**Herzog, P.** A propos d'un cas d'hyperinterrenalisme. Praxis, Bern, 1941, 30: 804 (Abstr.).—**Hoffman, M. H.** Intersexual manifestations of nonendocrine origin. J. Lancet, 1942, 62: 446-9.—**Khavine, I. B.** Virilisme génito-surrénal. Rev. fr. endocr., 1931, 9: 465-72.—**Langeron, Decherf, & Danès.** A propos d'un cas de virilisme cortico-surrénal. J. sc. méd. Lille, 1929, 47: pt 1, 273-7, pl.—**Levi, M.** L'intersexualità nella specie umana. Riv. clin. med., 1934, 35: 452-62. — Elementi per uno studio clinico dell'intersexualità. Endocr. pat. cost., Bologna, 1936, 11: 34-98, ch.—**Lukens, F. D. W., & Palmer, H. D.** Adrenal cortical virilism. Endocrinology, 1940, 26: 941-5.—**MacBryde, C. M.** The adrenocortical syndrome. In Modern Med. Ther. (Barr, D. P.) Balt., 1940, 3: 3156-61.—**Malley, K., & Bradshaw, T. G.** Adreno-cortical syndrome. Irish J. M. Sc., 1941, 6, ser., No. 184, 174.—**Marañón, G.** Contribución al estudio de los estados intersexuales humanos. Rev. Circ. méd. argent., 1928, 28: 2048-73. — Ueber die kritischen Intersexualitäten. Endokrinologie, 1930, 7: 415-31. — Contribución al estudio de los estados intersexuales humanos. Rev. españ. med. cir., 1930, 13: 175-83. — Acerca del problema de la intersexualidad. Rev. méd. Barcelona, 1932, 16: 3-11. — Una interpretación hipocrática de intersexualidad. Arch. med. leg. ident., Rio, 1938, No. 15, p. v-ix.—**Mathias.** Das Krankheitsbild des Interrenalismus und seine biologischen Beziehungen. Jahrb. Schles. Ges. vaterl. Cult. (1929) 1930, 102: 33-8.—**Moszkowicz, L.** Intersexualitätslehre und Hermaphroditismus und ihre Bedeutung für die Klinik. Klin. Wschr., 1929, 8: 289; 337.—**Munk, J.** [Pseudohermaphroditismus und gigantismus with precocious puberty] Mschr. kindergeneesk., 1939-40, 9: 269-78, pl.—**Pires de Lima, J. A.** Novos casos de intersexualidade. Med. contemp., Lish., 1933, 51: 165.—**Rascovsky, A., Ferrari Hardoy, G., & Schlossberg, T.** Parejas de síndrome adiposo-genital y virilización en hermanos. Arch. argent. pediat., 1941, 15: 463-77.—**Sainton, P.** Les états intersexuels. Paris méd., 1932, 83: 409-18.—**Senger, F. L., & Morgan, E. K.** A case of intersexualty, operation and end result. J. Urol., Balt., 1943, 48: 658-64.—**Small, W. D. D.** Intersexualty, a case. Tr. Med. Chir. Soc. Edinburgh, 1937-38, 117, Session, 129.—**Thurston, E. W.** Ueber einen eigenartigen Fall von Intersex beim Menschen. Virchows Arch., 1934, 292: 220-32.—**Tomasino, A.** Contributo clinico al virilismo prosopopilar ed all'androfanía nelle alienate. Rass. stud. psichiat., 1935, 24: 452-7, 2 pl.—**Vaz, R.** Aspectos clínicos da intersexualidade. Arq. med. leg. ident., Rio, 1933, No. 7, 190-202. Also in Quest. clin. actual. (Vaz, R.) Rio, 1934, 3, ser., 1-12.—**Weisman, A. I., & Schwarz, A.** Intersexualty proved by operation and microscopic examination. J. Am. M. Ass., 1941, 117: 2248-51.—**Westman, A.** Differentialdiagnostische Probleme bei virilisierenden Erkrankungen der Frau. Acta obst. gyn. scand., 1939, 19: 455-76.—**Wortis, J.** Intersexualty and effeminity in the male homosexual. Am. J. Orthopsychiat., 1940, 10: 567-70.

Endocrine aspects.

BROSTER, L. R., ALLEN, C. [et al.] The adrenal cortex and intersexualty. 245p. 8°. Lond., 1938.

Bauer, J., & Medvei, C. V. Ueber Interrenalismus und die geschlechtsumstimmende Wirkung der Nebennierenrinde. Deut. med. Wschr., 1932, 58: 1594, 1636.—**Dantchakoff, V.** Les bases biologiques du free-martinisme et de l'intersexualité hormonale sont-elles les mêmes? C. rend. Soc. biol., 1939, 130: 1473-6.—**Domenici, F.** Ghiandole surrenali e stati intersexuali. Arch. Ist. biochim. ital., 1935, 7: 467-97.—**Goldschmidt, R.** Neue Untersuchungen über die Umwandlung der Gonaden bei intersexuellen Lymantria dispar L. Arch. Entw. 1931, 124: 618-53.—**Herschmann, H., & Neurath, R.** Beitrag zur endokrin bedingten Frühreife (interrenal-genitales Syndrom) Wien. klin. Wschr., 1927, 40: 277-9.—**Hodler, D.** Surrénales et masculinisation. Arch. anat. Strash., 1937, 24: 1-79.—**Marañón, G.** Les états intersexuels du point de vue hormonal en clinique. In Régul. hormon., Par., 1937, 443-53. Also Gynécologie, 1938, 37: 40-3.—**Strauss, L., & Brauer, E.** Zur Frage des Interrenalismus unter besonderer Berücksichtigung pluriglandulärer Störungen. Endokrinologie, 1934, 14: 38-46.—**Takechi, K.** Das morphologische Verhalten der Nebennierenrinde nach Kastration, künstlichem Kryptorchismus und Implantation heterologer Keimdrüsen beim Meerschweinchen. Zschr. ges. Anat., 2. Abt., 1925-26, 12: 247-69.

experimental.

See also **Estrogen, Effect; Sex, Reversal.**

- Burns, R. K., jr.** Effect of testosterone propionate on sex differentiation in pouch young of opossum. *Proc. Soc. Exp. Biol.*, N. Y., 1939, 41: 60-2.—**Burrill, M. W., Greene, R. R., & Ivy, A. C.** Experimental intersexuality, lateral asymmetry in rat intersexes. *Anat. Rec.*, 1940, 76: 173-82.—**Dantchakoff, V.** Sur le sort des gamètes après un traitement hormonal de l'embryon de cobaye. *C. rend. Soc. biol.*, 1939, 130: 900-3.—**Domm, L. V.** Intersexuality in adult brown leghorn male as a result of estrogenic treatment during early embryonic life. *Proc. Soc. Exp. Biol.*, N. Y., 1939, 42: 310-2.—**Foot, C. L.** Modification of sex development in the marbled salamander by administration of synthetic sex hormones. *J. Exp. Zool.*, 1941, 86: 291-319.—**Greene, R. R., & Burrill, M. W.** Experimental intersexuality; the effects of combined androgens and estrogens on prenatal sexual development of the rat. *Am. J. Physiol.*, 1940, 129: 368.—**Ivy, A. C.** Experimental intersexuality; the production of feminized male rats by antenatal treatment with estrogens. *Science*, 1938, 88: 130.—**Experimental intersexuality; modification of sexual development of the white rat with a synthetic estrogen.** *Proc. Soc. Exp. Biol.*, N. Y., 1939, 41: 169.—**Experimental intersexuality; the paradoxical effects of estrogens on the sexual development of the female rat.** *Anat. Rec.*, 1939, 74: 429-38.—**Experimental intersexuality; the effects of estrogens on the antenatal sexual development of the rat.** *Am. J. Anat.*, 1940, 67: 305-45, 5 pl.—**Experimental intersexuality; the effects of combined estrogens and androgens on the embryonic sexual development of the rat.** *J. Exp. Zool.*, 1941, 87: 211-32.—**Experimental intersexuality; the relative sensitivity of male and female rat embryos to administered estrogens and androgens.** *Physiol. Zool.*, 1942, 15: 1-12.—**Groome, J. R.** The action of some androgenic substances on the immature female rat and guinea-pig. *Q. J. Exp. Physiol.*, Lond., 1939, 29: 367-77.—**Ludwig, F., & Ries, J. von.** Intersex und deren experimentelle Erzeugung (mit Projektionen) *Zbl. Gyn.*, 1937, 61: 2650.—**Marx, L.** Partial masculinization of the ovary in rats treated with testosterone propionate. *J. Exp. Zool.*, 1942, 91: 365-71.—**Bradbury, J. T.** Correlation of ovarian histology and intersexuality of the genital apparatus, with special reference to APL-treated infantile rats. *Anat. Rec.*, 1940, 78: 79-103, 2 pl.—**Raynaud, A.** Etude de l'appareil génital, gonades, canaux de Wolff et de Müller, des souris mâles intersexués obtenus par injection de dipropionate d'oestradiol à la mère en gestation. *C. rend. Soc. biol.*, 1939, 130: 1012-5.—**Riddle, O., & Dunham, H. H.** Transformation of males to intersexes by estrogen passed from blood of ring doves to their ovarian eggs. *Endocrinology*, 1942, 30: 959-68.—**Risley, P. L.** Intersexual gonads of turtle embryos following injection of male sex hormone. *J. Morph.*, 1940, 67: 439-53, 2 pl.—**Uotila, U. U.** The masculinizing effect of some gonadotropic hormones on pullets compared with spontaneous ovario-genic virilism in hens. *Anat. Rec.*, 1939, 74: 165-87, 3 pl.—**Wolff, E.** Sur l'évolution des intersexués mâles, obtenus par injection de folliculine aux embryons de poulet; les transformations histologiques des glandes génitales après l'éclosion. *C. rend. Soc. biol.*, 1935, 120: 903-5.—**L'hypophyse et la thyroïde, jouent-elles rôle dans le déterminisme expérimental de l'intersexualité chez l'embryon de poulet?** *Ibid.*, 1937, 126: 1217-9.—**Ginglinger, A.** Sur les doses de folliculine nécessaires pour réaliser des intersexués et sur le stade limite de l'intervention (avec démonstration) *Ibid.*, 1935, 120: 114.—**Sur la structure des glandes génitales de différents types d'intersexués obtenus par injection de folliculine aux embryons de poulets mâles (avec démonstration)** *Ibid.*, 116-8.—**Sur l'évolution des intersexués mâles, obtenus par injection de folliculine aux embryons de poulet; les transformations morphologiques des organes génitaux après l'éclosion.** *Ibid.*, 901-3.—**Sur la production expérimentale d'intersexués par l'injection de folliculine à l'embryon de poulet.** *Ibid.*, 200: 2118-20.—**Caractères des intersexués obtenus expérimentalement chez l'embryon de poulet.** *Ibid.*, 2221-3.—**Sur la transformation des poulets mâles en intersexués par injection d'hormone femelle (folliculine) aux embryons.** *Arch. anat., Strab.*, 1935-36, 20: 219-78.—**Young, W. C., & Rundlett, B.** The hormonal induction of homosexual behavior in the spayed female guinea pig. *Psychosomat. M.*, 1939, 1: 449-60.—**Zavadovsky, M. M.** [Bisexual nature of the hen and experimental hermaphroditism in hens] *Tr. Lab. Exp. Biol. Zoo Moscow*, 1926, 2: 121-79, pl.

Genetics.

Du Bois, A. M. L'intersexualité et ses causes génétiques. 64p. 25cm. Par., 1936.

- Baltzer, F.** Analyse des Goldschmidt'schen Zeitgesetzes der Intersexualität auf Grund eines Vergleiches der Entwicklung der Bonellia- und Lymantria-Intersexu, zeitlich gestaffelte Wirkung der Geschlechtsfaktoren (Zeitgesetz) oder Faktoren-gleichzeitigkeit (Gen-Gleichgewicht) *Arch. Entwmech.*, 1937, 136: 1-43.—**Bauer, J.** [Hereditäre Vorkommen von Intersexualität] *Wien. klin. Wschr.*, 1927, 40: 505.—**Goldschmidt, R.** Die zytotischen sexuellen Zwischenstufen und die Theorie der Geschlechtsbestimmung. *Erg. Biol.*, 1927, 2: 554-683.—**Untersuchungen über Intersexualität.** *Zschr. indukt. Abstamm.*, 1928-29, 49: 169-241, 1930, 56: 275; 1934, 67:

- 1-40.—**Intersexuality and development.** *Am. Natur.*, 1938, 72: 228-42.—**The time-law of intersexuality.** *Genetica, Gravenh.*, 1938, 20: 1-50.—**Golowinskaja, X.** Ueber die Nachkommenschaft eines durch Temperatureinwirkung erzielten Intersexen; vorläufige Mitteilung. *Biol. Zbl.*, 1927, 47: 513-6.—**Hirschfeld, M.** Erberfahrungen über Intersexualität. *Vererb. & Geschlechtsleben*, 1927-28, 230-2.—**Kosminsky, P.** Erhaltung männlicher und weiblicher Intersexu in ein und derselben Zucht; vorläufige Mitteilung. *Biol. Zbl.*, 1930, 50: 351-7.—**Lang, T.** Ueber die erbliche Bedingtheit der Homosexualität und die grundsätzliche Bedeutung der Intersexualitätsforschung für die menschliche Genetik. *Allg. Zschr. Psychiat.*, 1939, 112: 237-54.—**Mas Collellmir, J.** Contribución al conocimiento de los datos embriológicos que pueden servir de fundamento a la teoría intersexual. *Rev. méd. Barcelona*, 1931, 16: 3-29.—**Mishell, D. R.** Familial intersexuality; a report of 3 unusual cases. *Am. J. Obst.*, 1938, 35: 960-70.—**Ohmachi, F.** Studies on male intersexuality in *Homoeogrillus japonicus* de Haan; breeding experiments and genetical analysis. *Zschr. indukt. Abstamm.*, 1934-35, 68: 309-30.—**Orel, H.** Die Vererbung des Intersexualismus. *Zschr. ges. Anat.*, 2. Abt., 1928-29, 14: 573-87.—**Petterson, G.** [Case of familial intersexuality] *Hygiea, Stockh.*, 1936, 98: 44-9.—**Bonnier, G.** Inbred sex-mosaic in man. *Hereditas, Lund*, 1937, 23: 49-69.—**Pipkin, S. B.** Intersex modifying genes in wild strains of *Drosophila melanogaster*. *Genetics*, 1942, 27: 286-98.—**Reith.** Das Problem der Intersexualität vom Standpunkt der Vererbungsforschung. *Jahrb. Schles. Ges. vaterl. Cult.* (1926) 1927, 99: 11-3.—**Roger, H.** L'intersexualité et les chromosomes. *Presse méd.*, 1940, 48: 816-8.—**Severinghaus, A. E.** Sex chromosomes in a human intersex. *Am. J. Anat.*, 1942, 70: 73-93, 3 pl.

Pathology.

See also **Gonad, Tumor; Hair, excessive; Hypospadias; Ovary, Tumor; Puberty, precocious; Suprarenal cortex, Tumor; Testis, Tumor.**
BRÄUER, E. *Eigenartige Keimdrüsenwachse bei einem Intersex; gleichzeitig ein Beitrag zur allgemeinen Pathologie des Zwitterturns. p.224-37. 8°. Bresl., 1933.

Also *Frankf. Zschr. Path.*, 1933, 45:

HERNÁNDEZ, A. *Les intersexualités de la puberté masculine et leur importance dans la pathogénie des troubles sexuels de l'adulte. 115p. 24½cm. Par., 1938.

- Albert, M.** Massive adrenal carcinoma with pseudo-hermaphroditism. *Brit. M. J.*, 1941, 2: 265.—**Artom, C.** L'indifferenziamento delle cellule germinative; il rapporto colle forme intermedie della sessualità. *Monit. zool. ital.*, 1932-33, 43: Suppl., 184-204.—**Austoni, G.** Studio istologico di un caso d'intersexualità nell'uomo. *Boll. Soc. ital. biol. sper.*, 1934, 9: 584-7.—**Contributo istologico anatomico allo studio dell'intersexualità nell'uomo.** *Arch. ital. anat.*, 1934-35, 32: 339-90.—**Barker, L. F.** An extraordinary genito-suprarenal syndrome (adult form of hyperinterrenopathy with virilism and hirsutism) due to malignant tumor originating in the cortex of the right suprarenal gland; autopsy findings. *Med. Clin. N. America*, 1930, 14: 269-78.—**Bossemann, H.** Intersex mit suprarenalem Virilismus (Knochenmarksentwicklung in den hyperplastischen Nebennieren) *Endokrinologie*, 1937, 19: 292-306.—**Derichsweiler, H.** Geschlechtsumkehr durch das Arrhenoblastom. *Zbl. Gyn.*, 1934, 58: 866-70.—**Friedgood, H. B.** Biochemical study of hirsutism and virilism in women. *Yearb. Am. Philos. Soc.* (1940) 1941, 173-6.—**Ivy, A. C., Greene, R. R., & Burrill, M. W.** Intersexuality or pseudo-hermaphroditism. *Ann. Int. M.*, 1939-40, 13: 68-80.—**Krediet, G.** [On the origin of ovario-testes] *Ned. tschr. geneesk.*, 1926, 70: pt 2, 2058-62.—**Krückenmann, I.** Intersexualität bei beiderseitigen tubulären Hodenadenomen. *Vichows Arch.*, 1936-37, 298: 619-35.—**Levinger, E.** Ueber Brustdrüsensekretion beim Manne; ein Beitrag zum Problem der Intersexualität. *Zschr. ges. Neur. Psychiat.*, 1928, 116: 559-69.—**Lindvall, S., & Wahlgren, F.** Beitrag zur Diskussion über die Genese der sexuellen Zwischenstufen beim Menschen. *Acta path. microb. scand.*, 1940, 17: 60-99.—**McGavack, T. H.** Masculinizing and non-masculinizing carcinomata of the cortex of the adrenal gland; report of 6 adult cases. *Endocrinology*, 1940, 26: 396-408.—**Mochlig, R. C.** Intersexuality associated with malignant intra-abdominal teratoma of the seminoma type. *J. Clin. Endocr.*, 1942, 2: 257-61.—**Moszkowicz, L.** Retentio testis und Inguinalhernie als Zeichen der Intersexualität, Grundzüge einer ehuragischen Konstitutionspathologie. *Klin. Wschr.*, 1927, 6: 2231-35.—**Die Prostata der Intersexe.** *Wien. klin. Wschr.*, 1932, 45: 897-900.—**Blastom und Intersexualität (sowie Pubertas praecox)** *Ibid.*, 1929-34.—**Patterson, J., Greenwood, A. W.** [et al.] The adreno-genital syndrome; a preliminary biochemical investigation. In *Adrenal Cortex* (Proster, L. R., et al.) Lond., 1938, 201-40.—**Ravid, J. M.** Cortical carcinoma of the adrenal with adrogenital syndrome associated with an adenoma of the pituitary. *Am. J. Path.*, 1942, 18: 764 (Abstr.)—**Simpson, S. L., & Joll, C. A.** Feminization in a male adult with carcinoma of the adrenal cortex. *Endocrinology*, 1938, 22: 595-604.—**Spilling, G.** Ueber das

Verhältnis vernünftlicher Eierstocksgewächse zur Intersexualität; mit Bericht über 2 Fälle von Arrhenoblastom. Frankf. Zschr. Path., 1938, 52: 229-42.—Vines, H. W. C. The adreno-genital syndrome; some histological observations. In *Adrenal Cortex* (Broster, L. R., et al.) Lond., 1938, 137-97.—Wagner, G. A. Die Geschlechtsmerkmale und ihre Beeinflussung durch Tumoren. Zschr. Geburtsh. Gyn., 1930, 93: 134-49.—Werthemann, A. Ueber familiäres Vorkommen von Intersexualität und Nebennierenhyperplasie. Schweiz. med. Wschr., 1941, 71: 1335-40.

— Psychologic aspect.

MARAÑON, G. The evolution of sex and intersexual conditions; translated from the Spanish. 344p. 8° Lond., 1932.

Beder, V. L. [Intersexuality] Sovrem. psikhonevr., 1930, 12: 430-46.—Ceni, C. L'istinto materno nel maschio e le sue basi organiche. Riv. biol., 1927, 9: 321-7. Also Schweiz. Arch. Neur. Psychiat., 1927, 21: 131-42.—Dalbiez, R. Intersexuality. In his *Psychonanal. Meth. & Doctrine* of Freud, Lond., 1941, 2: 202.—Herrera Martínez, C. Morfología intersexual femenoidal y pederastia pasiva. Crón. méd., Lima, 1932, 49: 161.—Langeard, P. L'intersexualité de Michel-Ange. Progr. méd., Par., 1936, Suppl., 73-9.—L'intersexualité dans l'art. Med. contemp., Lisb., 1939, 57: 195-200.—Marañon, G. L'evolution della sessualità e gli stati intersexuali. Riv. psico., 1934, 30: 26-9.—Menard, P. L'étude graphologique des états intersexuels. Bull. Soc. méd. Paris, 1935, 289-95.—Patin, E. L'evoluzione della sessualità e gli stati intersexuali secondo Marañon. Osp. psichiat., 1935, 3: 547-68.—Strachey, J. Preliminary notes upon the problem of Akhenaten. Internat. J. Psychoanal., Lond., 1939, 20: 33-42.

— in animals.

Berner, O. Can a tumor in the ovary transform a hen into a cock? Norsk mag. lægevid., 1928, 89: 349-67.—Bissonnette, T. H. The male pheasant, sex invert of intersex. J. Hered., 1940, 31: 83-8. pl.—Bonnier, G. A *Drosophila* mosaic, probably due to dispermic fertilisation. J. Genet., Lond., 1927-28, 19: 257-60.—Burrill, M. W., Greene, R. R., & Ivy, A. C. A case of spontaneous intersexuality in the rat. Anat. Rec., 1941, 81: 99-117, 2 pl.—Burt, D. R. R. A case of intersexuality in *Bos indicus*, with a theory of the significance of the genetic male intersex. Proc. R. Soc. Edinb., 1929-30, 50: 113-29, 2 pl.—Candiani, L., & Cargnello, D. Studio istologico e biologico di un caso di intersexualità in *Sus scrofa*. Atti Soc. med. chir. Padova, 1933, ser. 2, 11: 387-411. — Su di un caso di intersexualità in *Sus scrofa*. Boll. Soc. ital. biol. sper., 1933, 8: 804-6.—Castle, W. E. A mosaic (intense-dilute) coat pattern in the rabbit. J. Exp. Zool., 1928-29, 52: 471-82.—Champy, C. Sur l'intersexualité, présentation d'animaux. C. rend. Soc. biol., 1936, 122: 633.—Cheng, T. H. A new case of intersexuality in *Rana cantabrigensis*. Biol. Bull., 1929, 57: 412-21. — Intersexuality in *Rana cantabrigensis*. J. Morph., 1929, 48: 345-69.—Clausen. Ein Fall von Zwitterbildung bei der grossen Maräne (*Coregonus lavaretus* L.) Deut. tierärztl. Wschr., 1940, 48: 120.—Cohrs, P. Verwachsung der Fruchtsäcke und Intersexualität beim Hauschwein. Zschr. ges. Anat., 1. Abt., 1933-34, 102: 584-93.—Cole, L. J. The lay of the rooster. J. Hered., 1927, 18: 97-106.—Crew, F. A. E. Abnormal sexuality in animals; physiological. Q. Rev. Biol., 1927, 2: 249-66.—D'Amour, F. E., & Funk, D. Spontaneous intersexuality in the rat. Endocrinology, 1941, 28: 727.—David, R. Recherches sur la biologie et l'intersexualité de *Talitrus saltator* Mont. Bull. biol., Par., 1936, 70: 332-57.—Davis, D. E., & Domm, L. V. The sexual behavior of intersexual and hormonally treated domestic fowl. Anat. Rec., 1941, 81: Suppl., 51 (Abstr.).—Dobzhansky, T., & Spassky, B. Intersexes in *Drosophila pseudoobscura*. Proc. Nat. Acad. Sc. U. S., 1941, 27: 556-62.—Domm, L. V., & Davis, D. E. Sexual behavior of intersexual domestic fowl. Proc. Soc. Exp. Biol., N. Y., 1941, 48: 665-7.—Du Bois, A. M., & Beaumont, J. de. Intersexualité phénotypique dans la gonade mâle du Triton. C. rend. Soc. biol., 1927, 97: 1323.—Eggert, B. Die Intersexualität bei Knochenfischen. Zschr. wiss. Zool., 1933, 144: 402-20.—Friedgood, H. B., & Uotila, U. U. Occurrence of ovarian tumors in spontaneous virilism of the hen. Endocrinology, 1941, 29: 47-58.—Galgano, M. Cellule a sessualità intermedia nelle gonadi di alcuni giovani esemplari di *Rana esculenta* L. Arch. ital. anat., 1936-37, 37: 1-51.—Glaus, H. Erzeugung, Organisation und Entwicklungsmechanik der Rüsselzucht-Intersexe von *Bonellia viridis*. Pubbl. Staz. zool. Napoli, 1933, 13: 39-113.—Greb, R. J. Studies on mosaics of *habrobracon*. Univ. Pittsburgh Bull., 1934, 31: 127-35.—Hughes, W. Sex-intergrades in fetal pigs (preliminary report) Biol. Bull., 1927, 52: 121-34, 3 pl.—Kadletz, M. Hermaphroditismus versus alternans oder Intersexualität in der Zeithphase: Testis dexter. Ovarium sinistrum beim Schwein. Berl. tierärztl. Wschr., 1931, 47: 533-7.—Keller, K., & Schotterer, A. Genitalmissbildung (Intersexualität) bei Drillingsföten des Rindes in der Art der unfruchtbaren Zwillinge (Zwicken) Zschr. mikr. anat. Forsch., 1938, 43: 77-106.—Kosminsky, P. Intersexualität im männlichen Populationsapparat von *Lymantria dispar* L. unterm Einfluss der Temperatur (vorläufige Mitteilung) Biol. Zbl., 1927, 47: 323-6. — Zum Problem der Intersexualität

beim Schwammspanner (*Lymantria dispar* L.) Zschr. induct. Abstamm., 1936, 71: 421-8.—Krediet, G. [Intersexuality or hermaphroditism in mammals] Tsch. diergeesks., 1929, 56: 845, 996. — [Gonads and uterus in intersexual animals] Ibid., 1939, 57: 363-78, 2 pl. — Ovarienelles Gewebe in intersexuellen Schweinen. Zschr. ges. Anat., 1. Abt., 1933, 101: 449-79. — [Physiological and pathological intersexuality in domestic animals] Tsch. diergeesks., 1936, 63: 363; 414. — [Appositional growth of testicular tissue in intersexes] Ibid., 726-33.—Lebedeff, G. A. Intersexuality in *Drosophila virilis* and its bearing on sex determination. Proc. Nat. Acad. Sc. U. S., 1938, 24: 165-72. — A study of intersexuality in *Drosophila virilis*. Genetics, 1939, 24: 533-86.—Lischütz, A. On a peculiar type of intersexuality in the guinea-pig. Brit. J. Exp. Biol., 1926 27, 4: 227-44, 3 pl.—McGowan, J. P. Supranatal virilism in a domestic hen, its possible significance. J. Exp. Biol., Lond., 1936, 13: 377-82.—McQuown, J. B. An unusual case of sexual excitement in a kitten. J. Am. Vet. M. Ass., 1940, 97: 266.—Marx, L. Versuche über heterosexuelle Merkmale bei Ratte. Arch. Entw. Mech., 1931, 124: 584-612.—Matthey, R. Intersexualité chez une tortue (*Emys europaea*). C. rend. Soc. biol., 1927, 97: 369-71.—Newby, W. W. An intersex in *Drosophila virilis*. Genetics, 1942, 27: 159.—Pariser, K. Die Zytologie und Morphologie der triploiden Intersexe des rückgekrenzten Bastards von *Saturnia pavonia* L. und *Saturnia pyri* Schiff. Zschr. Zellforsch., 1927, 5: 415-47.—Pérez, C. Anomales intersexuelles chez les pagures. C. rend. Acad. sc., 1932, 195: 1323-5.—Pincus, G. A mosaic (black-brown) coat pattern in the mouse. J. Exp. Zool., 1928-29, 52: 439-41.—Raynaud, A. Formation d'un utérus mâle, d'un pénis et absence de vagin chez les souris femelles intersexuées. C. rend. Soc. biol., 1938, 127: 563-6. — Evolution du tractus génital mâle chez les souris femelles intersexuées ne recevant pas d'injection d'hormone mâle après la naissance. Ibid., 129: 632-7. — Etude de l'appareil génital femelle des souris intersexuées n'ayant pas reçu d'injection d'hormone mâle après la naissance. Ibid., 637-40. — Etude de l'urètre, des glandes annexes et des organes génitaux externes des souris mâles intersexuées. Ibid., 1939, 130: 1061-5.—Rempel, J. G. Intersexuality in Chironomidae induced by nematode parasitism. J. Exp. Zool., 1940, 84: 261-89.—Ritter von Querner, F. Zur Histologie des Genitaltraktes und der Nebennieren von *Rana esculenta* L., Untersuchungen an einem Fall von Intersexualität. Zschr. Zellforsch., 1930, 11: 397-413.—Roxas, H. A. Sex studies on Philippine frogs and toads, male intersexuality in *Rana vittigera* Wiegmann. Philippine J. Sc., 1929, 38: 201-11, 2 pl.—Sanford, K. The effect of temperature on the expression of intersexuality in *Daphnia longispina*. Anat. Rec., 1942, 84: 458 (Abstr.).—Seiler, J. Problem der Geschlechtsbestimmung bei Bonellia; zusammenfassende Darstellung und Versuch einer neuen Deutung. Naturwissenschaften, 1927, 15: 33-43.—Shull, A. F. Adult intermediate-winged aphids not physiologically intermediate. Genetics, 1940, 25: 287-98.—Stalker, H. D. Triploid intersexuality in *Drosophila americana* Spencer. Ibid., 1942, 27: 504-18.—Turner, C. L. Studies on the secondary sexual characters of crayfishes: the annulus ventralis in true intersexes of cambarus. Biol. Bull., 1935, 69: 269-73.—Varshaver, N. B. [Variability of the degree of intersexuality from the effect of temperature in *Drosophila melanogaster*] Biol. J. Moskva, 1938, 7: 161-76.—Wright, S., & Eaton, O. N. Mutational mosaic coat patterns of the guinea pig. Genetics, 1926, 2: 333-51.

INTERSTATE Narcotic Association. Brief statement about narcotics and their injury to the brain. 15p. illust. 21½cm. Chicago [1943]

INTER-STATE Post-Graduate Medical Association of North America. Proceedings of the international assembly. v. pl., v.1, 1925-

See also Jackson, C., Bugbee, G. B. [et al.] Assembly dinner. Proc. Internat. Postgrad. M. Ass. N. America (1940) 1941, 229-37.—Langworthy, H. G. History of the Inter-State Postgraduate Medical Association of North America and the work of its founder, Dr William B. Peck of Freeport, Illinois. Ibid., 1935, 222-5.

INTERSTITIAL tissue.

See Connective tissue.

INTERTRIGO.

See also Epidermophytosis; Erosio interdigitalis; Erythema.

Abelsohn, H. Intertriginöses Ekzem nach Entfettungskuren? Münch. med. Wschr., 1931, 88: 396.—Barabás, Z. [Irritation of the skin in infants] Budapesti orv. ujs., 1928, 26: 1217-9.—Bodin, E. Sur les éruptions intertrigineuses; leurs caractères et leur traitement. Gaz. méd., 1927, 461-12.—Bratusch-Marrain, A. Ueber eine einfache Vorrichtung zur Stoffwechselversuche beim Säugling, zugleich ein Beitrag zur Behandlung der Dermatitis erosiva. Arch. Kinderh., 1928, 85: 8-12.—Carle, M. A propos des éruptions intertrigineuses. Gaz. méd., 1927, 4613-5. — L'intertrigo d'autrefois et d'aujourd'hui. Progr. méd., Par., 1929, 44: 1816-20.—Carleton, A. Persistent intertrigo? diagnosis. Proc. R. Soc.

M., Lond., 1942-43, 36: 46.—Desaux, Prétet & Varangot. Coexistence d'un intertrigo et de folliculites entérocoquiques. Bull. Soc. fr. derm. syph., 1939, 46: 121-4.—Gottheil. Dermatitis herpetiformis, called dhobie itch. J. Cut. Dis. incl. Syph., 1911, 29: 110.—Hart-Drant, P. Intertrigo. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 7: 919-24.—Hidajat [Crusta lactea intertriginosa]. Geneesk. tschr. Ned. Indië, 1936, 76: 1771.—Janáky, J. [Two cases of prevention of chafing in gynecological surgery]. Orv. hetil., 1927, 71: 176-8.—Lésions (Les) des plis. J. sc. méd. Lille, 1922, 40: pt 1, 361.—Pignot, M. Deux intertrigos tenaces du visage; la perlèche et la fissure de l'angle antérieur de l'orifice nasinaire. Progr. méd., Par., 1938, 1133.—Reinstein, H. Beitrag zur Behandlung von Hautdefekten und Intertrigo in Heilanstalten. Psychiat. neur. Wschr., 1936, 38: 454.—Ruge, H. La cura dell'intertrigine e del cosiddetto cane rosso nei tropici. Rass. internaz. clin. ter., 1932, 13: 302-4.—Sabouraud, R. Ce que nous ont appris les intertrigos. Médecine, Par., 1926, 8: 103-9.—Des intertrigos. Clinique, Par., 1936, 31: 151-4.—Intertrigos, nosologie et thérapeutique. Presse méd., 1937, 45: 1141.—Tulipan, L. Intertrigo, chafing, treated with tannic acid and brilliant green. J. Am. M. Ass., 1941, 116: 1518.

hypertrophic.

Haxthausen, H. Intertrigo hypertrophicus. Acta derm. vener., Stockh., 1940, 21: 604.

infectious.

Balina, P. L., & Negroni, P. Intertrigo des orteils et onyxis dus à un nouveau parasite. Ann. derm. syph., Par., 1932, 7, ser., 3: 8-20.—Carpenter, C. C. The glucose tolerance test in recurrent infectious intertrigo. J. M. Soc. N. Jersey, 1939, 36: 597-9.—Desaux, A., & Prétet, H. Un cas probable d'entérocoque cutané à type d'intertrigo sous-mammaire. Bull. Soc. fr. derm. syph., 1935, 42: 225-8.—Howles, J. K. Infectious intertrigo. Am. J. Trop. M., 1936, 16: 77-90.

mycetic.

See also Epidermophytosis.

Gougerot, H., & Boudin, G. Epidermomycose à levures des plantes et des paumes et intertrigo; après intradermo-réaction à la levurine, activation de l'intertrigo et déclenchement d'un eczéma généralisé. Bull. Soc. fr. derm. syph., 1933, 40: 1713-5.—Higuti, K. Impfversuche mit pathogener Hefe auf Tiere; serologische Untersuchungen. Fukuoka acta med., 1938, 31: 41.—Montaur, H. Intertrigo due to yeasts. Urol. Cut. Rev., 1931, 35: 382-7.—Ravaut, P., & Longhin. Lésions première d'intertrigo rétro-auriculaire à levures; eczéma second des bras et des jambes; réactions biologiques. Bull. Soc. fr. derm. syph., 1931, 38: 177-81.

INTER-UNIVERSITY Committee for African Studies.

See under Schapera, I. South African native life and problems. 249p. 24½cm. Lond., 1941.

INTERVERTEBRAL disk.

See also Spine; Vertebra; Yellow ligament.

OCAMPO MUÑOZ, H. *Observaciones morfo- e histogenéticas acerca del desarrollo embrionario fetal y postfetal de los discos intervertebrales en el hombre [Chile] 38p. 26½cm. Santiago, 1939.

PFLEIDERER, H. R. *Bau und Altersveränderungen der Zwischenwirbelscheiben. 21p. 8° Tüb., 1936.

Allen, E. P., & O'Connell, J. E. A. The intervertebral disk. Brit. M. J., 1939, 2: 1159.—Brack, E. Ueber die Wirbelbandscheiben. Virchows Arch., 1929, 272: 61-75.—Bradford, F. K. Certain anatomic and physiologic aspects of the intervertebral disc. South. Surgeon, 1941, 10: 623-9.—Geist, E. S. The intervertebral disk. J. Am. M. Ass., 1931, 96: 1676-9.—Halladay, H. V. The intervertebral disk. J. Am. Osteopath. Ass., 1934, 33: 344.—Joplin, R. J. The intervertebral disc; embryology, anatomy, physiology, and pathology. Surg. Gyn. Obst., 1935, 61: 591-9.—Junghans, H. Die anatomischen Besonderheiten des fünften Lendenwirbels und der letzten Lendenbandscheibe. Arch. orthop. Unfallchir., 1932-33, 32: 634-6.—Langeron, L., & Lugez, A. Le disque intervertébral, anatomie, physiologie, pathologie. Quest. méd. actual., Par., 1938, 8: No. 10, 1-30, No. 11, 1-24; No. 12, 1-20.—Petter, C. K. Methods of measuring the pressure of the intervertebral disc. J. Bone Surg., 1933, 15: 365-8.—Roofe, P. G. Innervation of annulus fibrosus and posterior longitudinal ligament; 4th and 5th lumbar level. Arch. Neur. Psychiat., Chic., 1940, 44: 100-3.—Saunders, J. B. de C. M., & Inman, V. T. The intervertebral disc; a critical and collective review. Surg. Gyn. Obst., 1939, 69: Suppl., 14-29.—Scheuermann, H.—[Intervertebral discs] Hospitalstidende, 1933, 76: 1-17.—Schmorl, G. Ueber die gesunde und kranke Wirbelsäule mit besonderer Berücksichtigung der Bandscheiben. Geneesk. bl., 1932, 30: 181-210.—Schrader, E. Der Bau der Zwischen-

wirbelscheiben in seinen Beziehungen zur Beanspruchung. Zschr. orthop. Chir., 1930, 53: 6-42.

Neuere Erkenntnisse im Aufbau und in der Funktion der Zwischenwirbelscheiben. Verh. Deut. orthop. Ges. (1932) 1933, 27: Kongr., 148-54.—Smith, N. R. The intervertebral discs. Brit. J. Surg., 1930-31, 18: 358-75.—Tukada, K. Histologische Studien über die Zwischenwirbelscheibe des Menschen; histologische Befunde des Foetus. Mitt. Med. Akad. Kioto, 1938, 24: 1172-4.—Uebermuth, H. Ueber Wesen und Ursachen frühzeitiger Altersveränderungen der menschlichen Zwischenwirbelscheiben. Zschr. Altersforsch., 1938-39, 1: 57-60, 2 pl.

Calcinosis and ossification.

BELUGOU (née MÉTIN) *Contribution à l'étude de la calcification des disques intervertébraux. 56p. 8° Par., 1932.

PFITZNER, W. *Verkalkungen der Zwischenwirbelscheiben (Calcinosis intervertebralis) 35p. 22cm. Bonn, 1936.

Albert, M. Calcification of the intervertebral disks. Brit. M. J., 1942, 1: 666-8.—Arlabosse. Un nouveau cas de calcification du nucléus pulposus. Bull. Soc. radiol. méd. France, 1931, 19: 402.—Bársony, T., & Koppenstein, E. Calcinosis intervertebralis. Fortsch. Röntgenstrahl., 1930, 41: 211-39. Also Orv. hetil., 1930, 74: 265-70.—Brailsford, J. F. Calcification of intervertebral disks. Brit. M. J., 1942, 1: 770.—Breton, M. Calcification du nucléus pulposus d'un disque intervertébral. J. radiol. électr., 1929, 13: 277-80.—Calvé, J., & Galland, M. La calcification du nucléus pulposus intervertébral. Rev. orthop. Par., 1931, 3, ser., 18: 782-6.—Chifflet, A., & Soriano, V. Calcificación del núcleo pulposus intervertebral. Arch. urug. med., 1941, 18: 455-9.—Corret, P., & Mathieu, L. Ossification du nucléus pulposus. Rev. méd. Nancy, 1936, 64: 953-6.—De Bernardi, R. Sulla calcificazione del nucleo polposso del disco intervertebrale. Arch. radiol., Nap., 1931, 7: 537-56.—De Luca, G. Su di una forma non ancora descritta di calcificazione intervertebrale. Ibid., 1938, 14: 399-408.—Gendreau, J. E., Juras, A., & Dufresne, O. Nucleus pulposus calcified, considerations cliniques, radiographiques et radiothérapeutiques. Union méd. Canada, 1936, 65: 207-13.—Giongo, F. Verkalkung des Nucleus pulposus. Fortsch. Röntgenstrahl., 1928, 37: 873.—Guichard, L., & Simon, A. Calcification du nucléus pulposus. Bull. Soc. nat. chir., Par., 1934, 60: 1084-7.—Held, H. J. von. Zur Frage der Zwischenwirbelscheibenverkalkung; ein röntgenologisch-klinischer Beitrag. Deut. Zschr. Chir., 1933-34, 242: 675-83.—Holmes, J. W. H. Calcification of a cervical intervertebral disc in a dog. Vet. Rec., Lond., 1942, 54: 498.—Horenstein, V. Kasuistischer Beitrag zur Verkalkung des Nucleus pulposus der Zwischenwirbelscheibe. Fortsch. Röntgenstrahl., 1926-27, 35: 713.—Jobin, J. B., & Lessard, R. Calcification du nucléus pulposus. Laval méd., 1943, 8: 13-21.—Keyzer, J. L. [Calcinosis intervertebralis]. Mschr. kindergeneesk., 1938-39, 8: 467-73, 3 pl.—Kirk, H. Calcification of the intervertebral discs. Vet. Rec., Lond., 1939, 51: 315, pl.—Klar, M. M. Chondritis intervertebralis subacuta infectiosa calcarea, ein Beitrag zur Pathologie der Intervertebralscheiben. Med. Welt., 1931, 5: 558.—Kronenberger, F. Calcinosis intervertebralis. Röntgenpraxis, 1929, 1: 898-903.—Lo Monaco, G. Calcificazione del nucleo pulposus intervertebrale. Radiol. med., Milano, 1938, 25: 850-62.—Luskin, H. Calcified intervertebral disk; a case report. Am. J. Surg., 1927, n. ser., 3: 148.—Lyons, E. Ueber Kalkknötchen in der Zwischenwirbelscheibe. Fortsch. Röntgenstrahl., 1929, 39: 76-80.—Beiträge zur Klinik der Bandscheibenverkalkung und -verknöcherung. Arch. orthop. Unfallchir., 1930, 28: 717-33.—Kalkablagerungen in der Zwischenwirbelscheibe im Kindesalter. Zschr. Kinderh., 1932, 53: 570.—Mantovani, D. Calcification du nucléus pulposus des disques intervertébraux. Arch. fr. helv. chir., 1929-30, 32: 488, 2 pl. Also Riv. radiol., 1930, Suppl. No. 1-2, 8-10.—Muñoz Arbat, J., & Piulachs, P. Calcinosis intervertebralis. Rev. cir. Barcelona, 1936, 11: 22-34.—Nicoletti, F. Calcificazione post-traumatica del nucleo pulposus intervertebrale. Arch. anat. crim., Tor., 1936, 56: Suppl., 396-408.—Nicotra, A. La calcificazione del nucleo pulposus dei dischi intervertebrali (condroneurite infettiva intervertebrale). Radiol. med., Milano, 1936: 977-93.—Pinelli, L. La calcificazione del nucleo pulposus. Gior. clin. med., 1939, 20: 827-57.—Punsepp, L. La symptomatologie des calcifications des cartilages intervertébraux-spondylo-chondritis ossificans. C. rend. Congr. alién. neur. France, 1935, 39: Congr. 529-39.—Ratke, L. Ueber Kalkablagerungen in den Zwischenwirbelscheiben. Fortsch. Röntgenstrahl., 1932, 46: 66-75.—Rietema, L. P., & Keijser, S. Calcinosis intervertebralis. Acta radiol., Stockh., 1928, 9: 606-10, pl.—(Calcification of intervertebral disks; case) Also Ned. tschr. geneesk., 1928, 72: pt. 1, 1472-5.—Rederer, C. A propos d'un nouveau cas de calcification du nucléus pulposus. Bull. Soc. chir. Paris, 1931, 23: 596-9.—Gaucher & Jésover. Bull. Soc. électroradiol. méd. nucléus et bees de perroquet. France, 1938, 26: 225.—Rövekamp, T. Die Verkalkung der Zwischenwirbelscheiben und ihre klinische Bedeutung. Röntgenpraxis, 1930, 2: 186-9.—Schmorl, G. Verkalkung der Bandscheiben der Wirbelsäule nebst Bemerkungen über das Verhalten der Bandscheiben bei infektiöser Spondylitis.

Fortsch. Röntgenstrahl., 1929, 40: 18-26. — Zuppa, A. La calcificazione del nucleo poliposo intervertebrale. Arch. radiol., Napl., 1934, 10: pt 1, 250-61.

Degeneration.

Böhmig, R. Die Blutgefäßversorgung der Wirbelbandscheiben, das Verhalten des intervertebralen Chordasegments und die Bedeutung beider für die Bandscheibendegeneration; zugleich ein Beitrag zur enchondralen Ossifikation der Wirbelkörper. Arch. klin. Chir., 1930, 158: 374-424. — Epps, P. G. A case of degeneration of the intervertebral disc following lumbar puncture. Proc. R. Soc. M., Lond., 1911-12, 35: 220. — Knutsson, F. [Roentgen diagnosis of disk degeneration in the lumbar vertebrae] Nord. med., 1940, 7: 1367-9. — Püschel, J. Der Wassergehalt normaler und degenerierter Zwischenwirbelscheiben. Beitr. path. Anat., 1930, 84: 123-30. — Putti, V. Aspetti clinici della degenerazione del disco intervertebrale. Chir. org. movim., 1933-34, 18: 1-21. Also Gaz. hosp., 1934, 107: 1049. — Schapira, C. Sindrome lombo-ischiatica e degenerazione primitiva del disco intervertebrale. Chir. org. movim., 1937-38, 23: 371-94, tab. — Zaremba, J. [Case of probable degeneration of the intervertebral disk] Chir. narz. ruchy, 1935, 8: 187-91, pl.

Disease.

MAURIC, G. J. J. *Le disque intervertébral; pathologie, diagnostic et indications thérapeutiques. 195p. 8° Par., 1933.

Annovazzi, G. Comportamento dei dischi intervertebrali nella spondilite tifica. Riv. radiol., 1933, 7: 73-87. — Barr, J. S. Intervertebral disc lesions. In Cyclop. Med. (Piersol-Bortz) Phila., 1940, 14: 105-9. — Böhmig, R. Makroskopische und mikroskopische Veränderungen der Wirbelbandscheiben. Verh. Dent. orthop. Ges. (1937) 1938, 32: 240-7. Also Beitr. klin. Chir., 1938, 167: 162-4. — Bourdillon, J. Contribution à l'étude de la pathologie du disque intervertébral. Ann. anat. path., Par., 1934, 11: 253-74. — Bradford, F. K. The present status of the intervertebral disk problem. Texas J. M., 1942-43, 38: 507-9. — Büssem, W. Differentialdiagnostische Schwierigkeiten zwischen Spondylitis tuberculosa und unspezifischer Erkrankung der Zwischenwirbelscheiben. Deut. Zschr. Chir., 1933, 240: 464-9. — Calvé, J., & Galland, M. Le disque intervertébral en pathologie. Rev. méd. fr., 1931, 12: 551-68. — Donohue, W. L. Pathology of the intervertebral disc. Am. J. M. Sc., 1939, 198: 419-37. — Flotow, P. G. Lesions of the intervertebral disc; facts and fallacies. Northwest M., 1942, 41: 152; passim. — Freedman, E. The behavior of the intervertebral disc in certain spine lesions. Radiology, 1934, 22: 219-35. — Galeazzi, R. Sulla struttura dei dischi intervertebrali e loro patologia. Arch. ortop., Milano, 1935, 51: 217-32. — Galland, M. La pathologie du disque intervertébral. Presse therm. clin., 1931, 72: 254-66. — Ghormley, R. K., Bickel, W. H., & Dickson, D. D. A study of acute infectious lesions of the intervertebral disks. South. M. J., 1940, 33: 347-53. — Gladyshevsky, N. L. [Pathology of intervertebral discs] Sovet. klin., 1932, 18: 229-37. — Güntz, E. Die Erkrankungen der Zwischenwirbelgelenke. Arch. orthop. Unfallchir., 1933-34, 34: 333-55. — Guilleminet & Pouzet, F. Pincement du disque dans l'épiphysite vertébrale; forme localisée. Lyon chir., 1937, 34: 486-9. — Hadley, H. G. Disenos of the intervertebral disks. Med. Rec., N. Y., 1940, 151: 305. — Horwitz, T. Lesions of the intervertebral disk and ligamentum flavum of the lumbar vertebrae; an anatomic study of 75 human cadavers. Surgery, 1939, 6: 410-25. — Junghanns, H. Die Zwischenwirbelscheiben. Chirurg, 1934, 6: 213-5. — Klar, M. M. Blockwirbelbildung als Folgeerscheinung der Chondritis intervertebralis infectiosa. Röntgenpraxis, 1933, 5: 206. — Lyon, E. Die Krankheiten der Zwischenwirbelscheiben. Arch. orthop. Unfallchir., 1928, 26: 295-301. — Mathez, J. A. La radiothérapie dans l'épicondylite; la névralgie cervico-brachiale, la maladie de Duplay et la discopathie L5-S1; les rapports de cette dernière affection avec les phénomènes de sacralisation; l'existence des sacralisations acquises, contribution à leur étude. Helvet. med. acta, 1942, 9: 458-507. — Mauric, G. A propos de la pathologie du disque intervertébral. Rev. rhumat., Par., 1940, 7: 9-33. — Meyer-Burgdorff, H. Ueber die Veränderungen der Bandscheiben beim Wirbelgleiten. Verh. Dent. orthop. Ges. (1934) 1935, 29: 120-2. — Nafziger, H. C., Inman, V., & Saunders, C. M. Lesions of the intervertebral disc and ligamenta flava. Surg. Gyn. Obst., 1938, 66: 288-99. — Nordén, S. [On pathological changes in the intervertebral disks] Hygiea, Stockh., 1927, 89: 159-68. — Putschar, W. Changes in the intervertebral disks in spondylolisthesis and related conditions of the spine. Arch. Path., Chic., 1937, 24: 270. — Rostock, P. Das Verhalten der Zwischenwirbelscheibe bei Wirbelfraktur und Wirbelunterkühlung. Deut. Zschr. Chir., 1928, 212: 261-74. — Saunders, J. B. de C. M., & Inman, V. T. Pathology of the intervertebral disk. Arch. Surg., 1940, 40: 389-416. — Schajowicz, F. Contributo alla struttura microscopica e alla patologia dei dischi intervertebrali nei giovani. Chir. org. movim., 1938-39, 24: 5-58. — Schapira, C. Contributo clinico e radiologico allo studio delle affezioni localizzate del disco intervertebrale. Ibid., 1933-34, 18: 545-59. — Schmorl, C. G. Ueber die pathologische Anatomie der Wirbelbandscheiben. Zbl. Chir., 1930, 57: 2616-8. Also Beitr. klin. Chir., 1930-31, 151: 360-75. — Zur pathologischen Anatomie der Lendenbandscheiben. Klin. Wschr., 1932, 11:

1369. — Simons, B. Die klinische Bedeutung der Zwischenwirbelscheibenschädigungen. Arch. orthop. Unfallchir., 1934-35, 35: 43-9. — Sorrel, E., & Mauric, G. Pathologie du disque intervertébral. In Traité chir. orthop. (Ombredanne) Par., 1937, 2: 1815-38. — Stone, K. Intervertebral disc lesions and Cotugno's disease; a review. Practitioner, Lond., 1942, 149: 167-74. — Tammia, E. M. [Diseases of the intervertebral disc] Duodecim, Helsing., 1940, 56: 381-8. — Woodhall, B. Lesions of the intervertebral disc. Bull. Johns Hopkins Hosp., 1940, 67: 466. — Wright, A. D. Lesions of the intervertebral discs. Brit. J. Radiol., 1942, 15: 170-3. Also S. Mary Hosp. Gaz., Lond., 1942, 48: 92-6. — Wynen, W. Die Bedeutung der Bandscheibe für die Differentialdiagnose bei traumatischen, entzündlichen und kongenitalen Wirbelerkrankungen. Beitr. klin. Chir., 1928, 142: 322-35.

Disease: Complication.

Ellmer, G. Rückenmarksschädigungen durch Erkrankungen von Zwischenwirbelscheiben. Chirurg, 1932, 4: 805. — Güntz, E. Versteifung der Wirbelsäule durch Fibrose der Zwischenwirbelscheiben. Mitt. Grenzgeb. Med. Chir., 1930-31, 42: 490-508. — Abnorme Geradhaltung der Brustwirbelsäule bei Veränderungen der Zwischenwirbelscheiben. Zschr. orthop. Chir., 1932-33, 58: 66-76. — Gutzeit, K. Ein Fall von Chondritis discusculi der 2. Zwischenwirbelscheibe der Halswirbelsäule mit Kompression des Halsmarks. Med. Klin., Berl., 1927, 23: 1433. — Leriche, R., & Jung, A. Mécanisme de l'effacement du disque intervertébral dans certaines maladies du rachis, dans le mal de Pott en particulier. Presse méd., 1931, 39: 561. — Mauric, G. Les qualités physiologiques du disque intervertébral et leur rôle dans la genèse de certaines déformations vertébrales. Médecine, Par., 1933, 14: 705-10. — Meyer-Burgdorff, H., & Sandmann, H. Die Bedeutung der präsaeralen Bandscheibe für die Spondylolisthesis. Deut. Zschr. Chir., 1935, 245: 173-83. — Olin, H. A. The intervertebral disc; involvement in vertebral fractures and in spinal pathology; report of 56 cases. Am. J. Roentg., 1939, 42: 235-45. — Oppenheimer, A. Discogenic disease. Am. J. Surg., 1940, 47: 642-50. — Turner, E. L. Discogenic disease of the cervical spine with segmental neuritis. Am. J. Roentg., 1937, 37: 484-93. — Puky, P. von. Ueber die Rolle der Zwischenwirbelscheiben bei Wirbelsäulenverkrümmungen. Arch. klin. Chir., 1937, 188: 171-4. — Schmorl, G. Ueber die an den Wirbelbandscheiben vorkommenden Ausdehnungs- und Zerissungsvorgänge und die dadurch an ihnen und der Wirbelspongiosa hervorgerufenen Veränderungen. Verh. Deut. path. Ges., 1927, 22: 250-62, 4 pl. [Discussion] 265. — Beiträge zur pathologischen Anatomie der Wirbelbandscheiben und ihre Beziehungen zu den Wirbelkörpern. Arch. orthop. Unfallchir., 1930-31, 29: 389-416. — Soto Romay, R. Las vértebras espinales y las subluxaciones de los cartilagos intervertebrales, como origen de ciertas compresiones medulares, consideraciones generales sobre un interesante caso clínico. Sem. méd., B. Air., 1940, 47: pt 1, 553-61. — Uebermuth, H. Die Bedeutung der Altersveränderungen der menschlichen Bandscheiben für die Pathologie der Wirbelsäule. Arch. klin. Chir., 1929, 156: 567-77.

Disease: Manifestation.

SYNÉPHIAS, M. *Sur le défoncement traumatique des corps vertébraux par le disque intervertébral. 76p. 24cm. Strass., 1936.

Ayres, C. E. Further case studies of lumbo-sacral pathology with consideration of the involvement of the intervertebral discs and the articular facets. N. England J. M., 1935, 213: 716-21, ch. — Banks, S. W., & Compere, E. L. Lesions of the intervertebral disk as related to backache and sciatic pain. Surg. Clin. N. America, 1939, 19: 43-58. — Barr, J. S. Sciatica caused by intervertebral disc lesions. J. Bone Surg., 1937, 19: 323-42. — Hampton, A. O., & Mixter, W. J. Pain low in the back and sciatica due to lesions of the intervertebral disks. J. Am. M. Ass., 1937, 109: 1265-70. — Cassinoni, M. A. La articularia intervertebral en los dolores lumbares y ciáticos, comentario crítico de las ideas sostenidas por Putti. Dia. méd., B. Air., 1942, 14: 1309-11. — Crutchfield, G. Lesions of the intervertebral disk with special reference to their atypical manifestations. South. M. & S., 1942, 104: 503-10. — Güntz, E. Haltungsveränderungen der Wirbelsäule bei Erkrankungen der Zwischenwirbelscheiben und ihre Beziehungen zu Rückenschmerzen. Röntgenpraxis, 1936, 8: 73-87. — Jaeger, F. Ueber traumatische und krankhafte Veränderungen der Zwischenwirbelscheiben mit Kompression des Rückenmarks. Münch. med. Wschr., 1939, 86: 991-4. — Junghanns, H. La significación clínica de los discos intervertebrales y sus alteraciones. Rev. méd. germ. ibér. amér., 1937, 10: 172-91. — Love, J. G. The role of intervertebral disks in the production of chronic low back and sciatic pain. Proc. Mayo Clin., 1937, 12: 369-72. — Morsier, G. de. Pathogénie des sciatices et des brachialgies, les discopathies traumatiques et dégénératives. Schweiz. med. Wschr., 1942, 72: 249; 277. — Robb, D. Two cases of backache due to intervertebral disc lesions. N. Zealand M. J., 1941, 40: 304. — Sashin, D. Relation of pathological changes of the intervertebral disks to pain in the lower part of the back. Arch. Surg., 1936, 32: 932-44. Also Rev. mèl. veracruz., 1937, 17: 2268-74. — Schær, H. Das Symptom der verschmalerten Zwischenwirbelscheibe. Schweiz. med. Wschr., 1940, 70: 849-52.

Displacement.

See also subheadings (Hernia; Injury)

Fincher, E. F., & Walker, E. B. Displacement of the intervertebral cartilage as a cause of back pain and sciatica. *South. M. J.*, 1938, 31: 520-8.—Galland, M. Les déplacements divers du nucleus pulposus intervertébral (ante, latéro- et rétropulsions) (luxation postérieure et paraplégie) *Arch. fr. belg. chir.*, 1929-30, 32: 479-87, 4 pl.—Hadley, L. A. Apophyseal subluxation; disturbances in and about the intervertebral foramen causing back pain. *J. Bone Surg.*, 1936, 18: 428-33.—Marx, J. [Horizontal displacement of intervertebral discs] *Orvostud. közl.*, 1940, 1: 182.—Money, R. A. Dislocation of intervertebral disks. *Med. J. Australia*, 1938, 1: 571-5, pl.—Schmorl, G. Ueber Verlagerung von Bandscheibengewebe und ihre Folgen. *Arch. klin. Chir.*, 1932, 172: 240-76.—Schulze, K. Ein Beitrag zur Frage der Verlagerung von Bandscheibengewebe. *Röntgenpraxis*, 1937, 9: 461-5.—Sherwood, K. K., & Berens, S. N. Displacements of nucleus pulposus. *West. J. Surg.*, 1937, 45: 646-52.

Echondrosis [Schmorl's nodules]

MÜHLHÄUSER, H. *Untersuchungen über die Häufigkeit und Erkennbarkeit der von Schmorl beschriebenen Zwischenwirbelscheiben-Veränderungen, insbesondere der Knorpelknötchen, auf klinischen Röntgenaufnahmen [München] 33p. 8°. Geislingen (Steige), 1936.

Alpers, B. J., Grant, F. C., & Yaskin, J. C. Chondroma of the intervertebral disks. *Ann. Surg.*, 1933, 97: 10-8.—Andrae, R. Ueber Knorpelknötchen am hinteren Ende der Wirbelbandscheiben im Bereich des Spinalkanals. *Beitr. path. Anat.*, 1929, 82: 464-74.—Brack, E. Knorpelknötchen der Wirbelsäule und Unfall. *Msehr. Unfallheilk.*, 1929, 36: 356-64.—Brandes, K. Ueber die Bedeutung der Schmorl'schen Knorpelknötchen und ihren röntgenologischen Nachweis. *Deut. Zschr. Chir.*, 1931, 231: 361-79.—Bucy, P. C. Chondroma of the intervertebral disk. *J. Am. M. Ass.*, 1930, 94: 1552-4.—Dieterich, H. Klinische Beobachtungen über Knorpelknötchen der Wirbelsäule. *Mitt. Grenzgeb. Med. Chir.*, 1930-31, 42: 578.—Dittich, Der röntgenologische Nachweis von Knorpelknötchen im Wirbel. *Verh. Deut. orthop. Ges.* (1928) 1929, 23. Kongr., 295-8.—Kortzeborn, A. Schmorl'sches Knorpelknötchen unter dem Bilde eines Rückenmarkstumors im Bereich des Halsmarkes. *Zbl. Chir.*, 1930, 57: 2418-24.—Lyon, E. Ueber Knorpelknötchen an den Wirbeln. *Röntgenpraxis*, 1930, 2: 1067-71.—Mau, C. Der röntgenologische Nachweis der traumatischen Knorpelknötchenbildung am Wirbelkörper. *Zbl. Chir.*, 1928, 55: 386-90.—Müller, W. Das röntgenologische Bild und die klinische Bedeutung der sogenannten Knorpelknötchen der Wirbelsäule. *Beitr. klin. Chir.*, 1928-29, 145: 191-211.—Weitere Beiträge aus dem Gebiete der Knorpelknötchen. *Deut. Zschr. Chir.*, 1932, 235: 440-9.—Overgaard, K. On Schmorl's cartilage islands. *Acta radiol.*, Stockholm, 1938, 19: 143-50.—Petits-Dutaillis, D. Les compressions radiculo-médullaires par nodules fibro-cartilagineux des disques intra-vertébraux. *Progr. méd.*, Par., 1939, pt 2, 1364-71.—Sai, G. Eecondrosi del disco intervertebrale (nodulo posteriore di Schmorl) visibile alla radiografia. *Riv. neur.*, 1933, 6: 177-95.—Schmorl, G. Ueber Knorpelknötchen an den Wirbelbandscheiben. *Fortsch. Röntgenstrahl.*, 1928, 35: 265-79.—Ueber Knorpelknötchen an der Hinterfläche der Wirbelbandscheiben. *Ibid.*, 1929, 40: 629-34.—Schwede, Ein Fall von Knorpelknötchen. *Röntgenpraxis*, 1933, 5: 515-7.—Stefan, H. Echondrose einer Zwischenwirbelscheibe; extramedullärer Tumor (Neoplasma) *Med. Welt*, 1940, 14: 889-92, pl.—Steiner, G. Ueber Knorpelknötchen der Wirbelsäule am Lebenden. *Med. Klin.*, Berl., 1931, 27: 1526-30.—Wissing, O. Ueber Knorpelknötchen in der Columna. *Acta path. microb. scand.*, 1930, Suppl. 3, 499-506.—Ziaff, S. Klinische Beobachtungen einiger Zwischenwirbelscheiben-Veränderungen; hinteres Knorpelknötchen (Echondrom) am Lebenden röntgenologisch diagnostiziert. *Fol. neuropath. eston.*, 1936, 15: 16: 429-43.

Hernia [incl. prolapse, protrusion and rupture]

See also subheadings (Injury; Nucleus pulposus)

BRADFORD, F. K., & SPURLING, R. G. The intervertebral disc, with special reference to rupture of the annulus fibrosus with herniation of the nucleus pulposus. 158p. 25½cm. Springfield, Ill. [1941]

REGAN, J. M. *Protrusion of the intervertebral disk; a collective review of the subject and presentation of an additional case [Milwaukee Co. Gen. Hosp.] 31 l. 28cm. Wauwatosa, 1941.

Alexander, G. L. Ruptured intervertebral disc. *Tr. Med. Chir. Soc. Edinburgh*, 1938-39, 118. Sess., 20.—Anderson,

G. C., & Wexberg, E. Protruded intervertebral disk; report of a case; note on a possible inflammatory etiologic factor (circumscribed arachnoiditis) *Arch. Surg.*, 1939, 39: 952-8.—Batts, M., jr. Rupture of the nucleus pulposus; an anatomical study. *J. Bone Surg.*, 1939, 21: 121-6.—Bradford, F. K. Herniated nucleus pulposus. *Med. Rec.*, Houston, 1940, 34: 363-7.—Brofeldt, S. A. Hernia intervertebralis. *Nord. med.*, 1941, 11: 2114 (Abstr.).—Buchstein, H. F. Protruded intervertebral disk, some practical considerations. *J. Lancet*, 1941, 61: 278-80.—Bush, G. B. The clinical importance of the intervertebral discs, with special reference to nuclear prolapses. *Bristol Med. Chir. J.*, 1934, 51: 173-82, 5 pl.—Calvé, J., & Galland, M. Etude clinique de 24 cas de hernies nucléaires vertébrales et de 3 épiphysites. *Rev. orthop.*, Par., 1930, 3. ser., 17: 723-34.—Carmichael, F. A., jr. Prolapse of the intervertebral disc. *J. Kansas M. Soc.*, 1940, 41: 422-5.—Costa, D. G. da, & Adson, A. W. Hernia e ruptura do disco intervertebral. *Brasil cir.*, 1940, 2: 149-68.—Cozen, L. Ruptured intervertebral disc, an unfinished problem. *California West. M.*, 1940, 52: 208.—Denysen, J. A. F. Herniation of the discus pulposus. *S. Afr. M. J.*, 1940, 14: 224.—Duncan, D., Seybold, W. D. [et al.] A preliminary study of intervertebral disc protrusions and associated abnormalities in a series of dissecting room subjects. *Bull. John Sealy Hosp.*, Galvest., 1940, 2: 57-64.—Eck, D. B. Rupture of the intervertebral disc. *Am. J. Surg.*, 1942, 58: 3-15.—Fisher, E. D. Report of a case of ruptured intervertebral disc following chiropractic manipulation. *Kentucky M. J.*, 1943, 41: 14.—Flothow, P. G. Observations on herniated discs and hypertrophied ligamentum flavum. *J. Internat. Coll. Surgeons*, 1942, 5: 225-32.—Furlow, L. T. Herniation of the nucleus pulposus of the intervertebral disc. *Tristate M. J.*, 1937-38, 10: 2073-7.—Galli, R. Una rara lesione rachidea; scoppio isolato di un disco intervertebrale. *Chir. org. movim.*, 1930-31, 15: 575-90.—Gama, C. Hernias dos nucleos pulposos. *Rev. clin. S. Paulo*, 1941, 10: 106. Also *An. paul. med. cir.*, 1942, 43: 86.—Groff, R. A. The problem of herniation of the nucleus pulposus. *Week. Roster*, Phila., 1940-41, 36: 1396-8.—Hadley, H. G. Rupture of the intervertebral disks; with report of a case. *Med. Rec.*, N. Y., 1940, 151: 339.—Környey, I. [Herniation of the intervertebral disc and hypertrophy of the yellow ligament] *Orv. hetil.*, 1941, 85: 161-4.—Linde, F. Zur Frage der Entstehung des Bandscheibenrisses. *Med. Klin.*, Berl., 1935, 31: 942.—Littlejohn, C. W. B. Protrusions of the nucleus pulposus. *Clin. Rep. Melbourne Hosp.*, 1938, 9: 35-9, pl.—Love, J. G. Recurrent protrusion of an intervertebral disk. *Proc. Mayo Clin.*, 1938, 13: 404-8.—Protruded intervertebral disc (fibrocartilage) *Proc. R. Soc. M.*, Lond., 1938-39, 32: 1697-721.—Lyerly, J. G. Herniation of the intervertebral disc. *J. Florida M. Ass.*, 1940-41, 27: 491-500.—Macey, H. B. Clinical aspects of protruded intervertebral disk. *Arch. Surg.*, 1940, 40: 433-43.—Mixer, W. J. Rupture of the intervertebral disk. *Tr. Am. Neur. Ass.*, 1935, 61: 100-2.—Mooney, A. C. Hernia of the nucleus pulposus. *Brit. J. Radiol.*, 1934, n. ser., 7: 46-7, pl.—Morgan, E. P. Herniation of the nucleus pulposus. *Med. J. Australia*, 1941, 2: 210.—Otto, E. Ein Beitrag zur Kenntnis der traumatischen Bandscheibenprolapse. *Msehr. Unfallh.*, 1938, 45: 573-80.—Padula, R. D., & Keys, R. C. Herniation of intervertebral discs. *J. Connecticut M. Soc.*, 1939, 3: 552-9.—Poppen, J. L. Herniation of intervertebral discs. *Surg. Clin. N. America*, 1938, 18: 879-87.—Raaf, J. Our changing ideas concerning protrusion of intervertebral discs. *Am. J. Surg.*, 1941, 51: 803-20.—Rountree, J. T. Herniation of the intervertebral disc; a report of 2 cases. *Virginia M. Month.*, 1939, 66: 103-5.—Sanford, H. S., & Crawford, A. S. Protruded intervertebral discs. *Arch. Neur. Psychiat.*, Chic., 1939, 42: 1182.—Secrest, R. J. Herniation of nucleus pulposus. *Proc. Postcolleg. Clin. Assemb. Coll. M. Ohio Univ.*, 1939, 6: 147-9.—Semmes, R. E., & Murphy, F. Rupture of the intervertebral discs. *J. Tennessee M. Ass.*, 1942, 35: 49-52.—Skinner, H. L. Ruptured intervertebral disk and hypertrophied ligamentum flavum follow-up study. *Virginia M. Month.*, 1940, 67: 490-4.—Slaughter, R. F. Herniation or rupture of the intervertebral disc, a report of 2 cases. *South. M. J.*, 1937, 30: 803-6.—Smith, E. J. R. Some spinal cases of interest. *Proc. R. Soc. M.*, Lond., 1941-42, 35: 202-8.—Toumey, J. W. Intervertebral disk protrusion. *Lahey Clin. Bull.*, 1940, 1: No. 6, 11-6.—Verbrugghen, A. Herniated nucleus pulposus; personal observations on 75 cases. *Proc. Inst. M. Chicago*, 1942-43, 14: 111.—Vogt, Osteochondrose, lokalisiert spondylitis deformans, nucleusprolaps. *Nord. med.*, 1941, 10: 1427-30 (Abstr.).—Werden, D. H. Ruptured intervertebral discs. *U. S. Nav. M. Bull.*, 1943, 41: 388-400.—Wissing, O. [Prolapse of the nucleus pulposus] *Nord. med.*, 1939, 2: 1384-93.

Hernia, cervical.

Semmes, R. E., & Murphy, F. The syndrome of unilateral rupture of the 6th cervical nerve root; a report of 4 cases with symptoms simulating coronary disease. *J. Am. M. Ass.*, 1943, 121: 1209-14.—Stone, T. T., Arieff, A. J. [et al.] Protrusion of 2 intervertebral disks in the cervical region; report of case. *J. Nerv. Ment. Dis.*, 1941, 93: 719-22.—Stookey, B. Compression of spinal cord and nerve roots by herniation of the nucleus pulposus in the cervical region. *Arch. Surg.*, 1940, 40: 417-32.

Hernia: Complication.

See also Back-ache; Spine, Deformity, etc.

Bosworth, D. M., & Hare, C. C. Herniation of the nucleus pulposus and hypertrophied ligamenta flava. N. York State J. M., 1939, 39: 1739-48.—**Cohen, I.** Calcified protruded intervertebral disc. J. Mount Sinai Hosp. N. York, 1939-40, 6: 255-8.—**Colaneri, L. J.** Coexistence de nucleus pulposus calcifié et de hernie nucléaire intra-spongieuse. Bull. Soc. radiol. méd. France, 1931, 19: 35-9.—**Dandy, W. E.** Serious complications of ruptured intervertebral disks. J. Am. M. Ass., 1942, 119: 474-7.—**Dickson, W. E. C.** Herniation of the nucleus pulposus producing compression of the spinal cord (complicated by chronic staphylococcal granuloma). Proc. R. Soc. M., Lond., 1933-36, 29: 1461-9.—**Ferens, E.** [Hernias of the nucleus pulposus of the intervertebral discs; calcinosis intervertebralis] Neur. polska, 1939, 22: 26-44, 2 pl.—**Haynes, W. G.** Dural constricting ring with cervical protruded intervertebral disk; report of a case. N. England J. M., 1942, 227: 825-7.—**Love, J. G.** Protruded intervertebral disks with a note regarding hypertrophy of ligamenta flava. J. Am. M. Ass., 1939, 113: 2029-35.—**MacKay, A. R.** The association of protruded intervertebral disk and Paget's disease of the pelvic bones: report of 2 cases. Proc. Mayo Clin., 1941, 16: 138-40.—**Meyerding, H. W.** Low backache and sciatic pain associated with spondylolisthesis and protruded intervertebral disk; incidence, significance, and treatment. J. Bone Surg., 1941, 23: 461-70.—**Baker, G. S.** [et al.] Spondylolisthesis with protrusion of intervertebral disk and hypertrophied ligamentum flavum associated with multiple loose bodies (osteochondromatosis) of right shoulder joint; report of a case. Proc. Mayo Clin., 1939, 14: 801-6.—**Overgaard, K.** [Investigations on nucleus prolapse and Scheuermann's disease] Nord. med., 1939, 4: 3837.—[Observations on intervertebral disc prolapse and Scheuermann's disease] Ibid., 1940, 5: 593-603.—**Račanský, F.** [Calcinosis and retropulsion of the intervertebral disk] Cas. lčk. čes., 1936, 75: 1406-8.—**Rocher, R. L., & Boudil, G.** Hernies nucléaires et épiphyses vertébrales dans la cyphose des adolescents. Bull. Soc. radiol. méd. France, 1932, 20: 235.—**Skinner, H. L.** Ruptured intervertebral disk and hypertrophied ligamentum flavum; follow-up study. Hosp. News., Wash., 1940, 7: No. 8, 1-9, 4 fig.—**Mountree, J. T.** Herniation of the intervertebral disc and associated lesions. Ibid., 1939, 6: 7-17, 6 fig. Also Virginia M. Month., 1939, 66: 575-91.—**Volkova, K. G.** [Ruptures of intravertebral disks and development of the so-called Schmorl's furrows] Sovet. khir., 1932, 3: 230-5.

Hernia: Diagnosis.

See also subheading Radiography.

Belchor, G. La mielografía en el diagnóstico de la protrusión del disco intervertebral. Prensa méd. argent., 1942, 29: 902-7.—**Berens, S. N.** Lipoidal versus air as an aid in diagnosis of protrusion of intervertebral disc. Northwest M., 1940, 39: 160-3.—**Busch, E.** [Air myelography with lumbo-sacral discus prolapse and ligamentous root compression] Ugeskr. laeger, 1940, 102: 899-902.—**Camp, J. D.** Roentgenologic findings in cases of protruding intervertebral disks. Proc. Mayo Clin., 1937, 12: 373-7.—**Chamberlain, W. E., & Young, B. R.** The diagnosis of intervertebral disk protrusion by intraspinal injection of air; air myelography. J. Am. M. Ass., 1939, 113: 2022-4.—**Cohen, I.** Extradural varix simulating herniated nucleus pulposus. J. Mount Sinai Hosp. N. York, 1941-42, 8: 136-8.—**Dandy, W. E.** Recent advances in the diagnosis and treatment of ruptured intervertebral disks. Tr. South. Surg. Ass. (1941) 1942, 54: 34-40. Also J. Mount Sinai Hosp. N. York, 1942-43, 9: 384-8.—**Concealed ruptured intervertebral disks; a plea for the elimination of contrast mediums in diagnosis.** J. Am. M. Ass., 1941, 117: 821-3.—**Improved localization and treatment of ruptured intervertebral disks.** Ibid., 1942, 120: 605-7.—**Deucher, W. G.** Die Röntgenuntersuchung des Spinalkanals bei Ischias verursachenden hinteren Bandscheibenprolapsen. Radiol. Clin., Basel, 1940, 9: 337-48.—**Duncan, W., & Hoan, T. I.** A new approach to the diagnosis of herniation of the intervertebral disc. Surg. Gyn. Obst., 1942, 75: 257-67.—**Groff, R. A.** Herniation of the nucleus pulposus and hypertrophy of the ligamentum flavum; diagnosis, treatment and result. Arch. Neur. Psychiat., Chic., 1941, 45: 1041-3.—**Hyndman, O. R., Steindler, A., & Wolkin, J.** Herniated intervertebral disk; a study of the iodized oil column; the procaine test in differential diagnosis from reflected sciatic pain. J. Am. M. Ass., 1943, 121: 390-401.—**Krabbe, K. H.** [Hernia nuclei pulposi] Nord. med., 1940, 5: 439.—**Krayenbühl, H.** Zur Diagnose und Differentialdiagnose der intervertebralen Diskushernie. Praxis, Bern, 1942, 31: 19-27.—**Lindgren, E.** Ueber die Röntgendiagnose des Bandscheibenprolapses. Radiol. Clin., Basel, 1941, 10: 337-54.—**Naffziger, H. C.** The diagnosis of protrusions from the intervertebral discs. Proc. Interst. Postgrad. M. Ass. N. America (1940) 1941, 122-5.—**Natvig, P.** Gas i intervertebralskiver. Nord. med., 1941, 10: 1423 (Abstr.).—**Nichols, B. H.** Symptoms and diagnosis of herniated nucleus pulposus. Proc. Interst. Postgrad. M. Ass. N. America (1940) 1941, 367-9.—**Rossier, J.** Röntgenologische Studien über sechs Fälle von Bandscheibenprolaps. Münch. med. Wschr., 1941, 88: 687 (microfilm).—**Sanford, H., & Doub, H. P.** Epidurography; a method of roentgenologic visualization of protruded intervertebral disks. Radiology, 1941, 36: 712-6.—**Semmes, R. E.** Diagnosis of

ruptured intervertebral disc without contrast myelography and comment upon recent experience with modified hemilaminectomy for their removal. Yale J. Biol., 1938 39, 11: 433-5.—**Woodhall, B.** Aspiration of lipoidal injected for the diagnosis and localization of ruptured intervertebral discs. North Carolina M. J., 1941, 2: 653-7.

Hernia, intraspinal and intraspongious.

Fried, E. *Contribution à l'étude des hernies intraspongieuses du disque intervertébral chez l'adulte. 47p. 8°. Strasb., 1932.

Keller, P. *Intraspinal protrusion of the intervertebral disc [Franklin Hosp.] 24p. 28cm. [S. Franc.] 1940.

Marsille, L. A. *Etude sur la pathologie du nucleus pulposus intervertébral; les hernies nucléaires intraspongieuses; la cyphose à rétro-pulsion nucléaire et paraplégie. 46p. 3 pl. 8°. Par., 1932.

Adson, W. A. Bandscheibenzerreissung mit Prolaps des Nucleus pulposus in den Wirbelkanal als Ursache rezidivierender Ischias. Münch. med. Wschr., 1940, 87: 1159 (Abstr.) (microfilm).—**Camp, J. D.** The roentgenologic diagnosis of intraspinal protrusion of intervertebral disks by means of radiopaque oil. J. Am. M. Ass., 1939, 113: 2024-9.—**The roentgenologic diagnosis of intraspinal protrusion of intervertebral disks.** Minnesota M., 1940, 23: 688-92.—**Crouzon, O., Ledoux-Lebard & Christophe.** Algies radiculaires thoraciques diffuses par hernies intraspongieuses multiples du disque intervertébral. Bull. Soc. méd. hôp. Paris, 1934, 3. ser., 50: 737-42.—**Davis, K. S.** Intraspinal protrusions of the intervertebral discs; roentgenographic findings. California West M., 1939, 51: 230-4.—**Galland, M.** Les hernies nucléaires vertébrales intraspongieuses. Bull. Soc. méd. Paris, 1930, 275-88.—**Hampton, A. O., & Robinson, J. M.** Roentgenographic demonstration of rupture of the intervertebral disc into the spinal canal after the injection of lipiodol. Am. J. Roentg., 1936, 36: 782-803.—**Klemme, R. M., Scott, W., & Woolsey, R. D.** Intraspinal protrusion of intervertebral disks. J. Missouri M. Ass., 1942, 39: 131.—**Love, J. G.** Protrusion of the intervertebral disk (fibrocartilage) into the spinal canal. Proc. Mayo Clin., 1936, 11: 529-35.—**Camp, J. D.** Root pain resulting from intraspinal protrusion of intervertebral discs; diagnosis and surgical treatment. J. Bone Surg., 1937, 19: 776-804.—**Love, J. G., & Walsh, M. N.** Intraspinal protrusion of intervertebral disks. Arch. Surg., 1940, 40: 454-84.—**Meyer, M.** Les hernies intraspongieuses des disques intervertébraux; étude anatomique et clinique. Rev. méd. est, 1932, 60: 917-28, 2 pl.—**Mixter, W. J., & Ayer, J. B.** Herniation or rupture of the intervertebral disc into the spinal canal: report of 34 cases. N. England J. M., 1935, 213: 385-93, 2 pl.—**Mixter, W. J., & Barr, J. S.** Rupture of the intervertebral disc with involvement of the spinal canal. Tr. N. England Surg. Soc., 1933, 16: 283-300, ch. Also N. England J. M., 1934, 211: 210-5, ch.—**Mouchet, A.** Hernie intra-spongieuse du disque intervertébral et accident du travail. Ann. méd. lég., 1940, 20: 253-6.—**Nes, C. P. van** [Prolapse of the intervertebral disc into the spinal canal] Geneesk. gids, 1939, 17: 106; 130.—**Protrusion of the intervertebral disc into the spinal canal.** Am. J. Roentg., 1936, 36: 409-11.—**Sashin, D.** Intervertebral disk extensions into the vertebral bodies and the spinal canal. Arch. Surg., 1931, 22: 527-47.—**Scott, W. G.** Radiological diagnosis of intraspinal protrusion of the intervertebral disk. Week. Bull. S. Louis M. Soc., 1938-39, 33: 331-7.—**Semmes, R. E., & Murphy, F.** Intraspinal rupture of the intervertebral disc, the common cause of low back pain and sciatica. Mississippi Doctor, 1941-42, 19: 441.—**Simonds, F. L.** Low back pain due to herniation or rupture of the intervertebral disc into the spinal canal. Nebraska M. J., 1937, 22: 456-9.—**Svolbová-Budínová, J.** [Hernia of the intervertebral disk with intrusion into the spine] Cas. lčk. čes., 1940, 79: 895-9.

Hernia, lumbar.

Ayer, J. B. Herniation of the intervertebral disk into the lumbo-sacral canal; diagnostic criteria. Tr. Am. Neur. Ass., 1935, 61: 103-7.—**Bärtschi-Rochaix, W.** Die Diagnose lumbaler Bandscheibenprolapse und verwandter Zustände. Schweiz. med. Wschr., 1942, 72: 729-36.—**Barr, J. S., & Mixter, W. J.** Posterior protrusion of the lumbar intervertebral discs. J. Bone Surg., 1941, 23: 444-56.—**Brandenburg, K.** Herausgetretene Zwischenwirbelscheiben am 4. und 5. Lendenwirbel, ein häufiges Krankheitsbild? Med. Klin., Berl., 1940, 36: 358-60 (microfilm).—**Brocher, J. E. W.** Die Verletzung der umbo-sakralen Bandscheibe und ihre klinischen Symptome. Helvet. med. acta, 1940-41, 7: 490-3.—**Busch, E., & Christensen, E.** Die lumbalen Pulpusprolapse. Zbl. Neurochir., 1936, 1: 53-8.—**Cacchi, R.** Le ernie del disco intervertebrale, con particolare riguardo a quello del tratto lombare e la loro terapia. Gior. clin. med., 1940, 21: 1223-49.—**Fischer.** Hernie du disque L-Ls. Rev. méd. Suisse rom., 1942, 62: 67.—**Friberg, S.** Protruding discs in the lumbar region. Acta orthop. scand., 1940, 11: 138-52.—**Malmros, R.** Om den lumbale discusprolaps. Nord. med., 1941, 11: 2747-54.—**Michelsen, J., Schatzki,**

R. [et al.] Ruptured intervertebral disk, 4th lumbar. N. England J. M., 1943, 228: 578-80.—Mixer, W. J., & Barr, J. S. Protrusion of the lower lumbar intervertebral disks. *Ibid.*, 1940, 223: 523-9.—Morsier, G. de. Une cause fréquente de lumbago et de sciatic; la dislocation traumatique des disques intervertébraux lombaires avec hernie nucléaire postérieure. *Rev. méd. Suisse rom.*, 1940, 60: 999-1011.

Compression radicaulaire par hernie du disque au niveau de L3-L4. *Ibid.*, 1941, 61: 803. — Sciaticque et hernie du disque intervertébral; les discopathies lombaires avec prolapsus. *Praxis*, Bern, 1942, 31: 30-3.—Nes, C. P. van [Case of hernia posterior of the nucleus pulposus of the intervertebral disk of the 4th and 5th lumbar vertebrae]. *Ned. tschr. geneesk.*, 1940, 84: 745-53.—Poppen, J. L. The ruptured intervertebral disk in the lumbar and lumbosacral region; technic for removal in the uncomplicated case. *Surg. Clin. N. America*, 1942, 22: 865-71.—Spurling, R. G., & Bradford, F. K. Neurologic aspects of herniated nucleus pulposus at the fourth and fifth lumbar interspaces. *J. Am. M. Ass.*, 1939, 113: 2019-22.—Spurling, R. G., & Grantham, E. G. Neurologic picture of herniations of the nucleus pulposus in the lower part of the lumbar region. *Arch. Surg.*, 1940, 40: 375-88.—Terhune, S. R. Backache: a discussion of traumatic destruction of the lumbosacral intervertebral disc. *Mississippi Doctor*, 1939-40, 17: 248-52.

Hernia: Manifestation.

See also Back-ache; Lumbago; Sciatica.

VERANTH, L. A. *Herniation of intervertebral disks as a cause of chronic low back and sciatic pain [S. Joseph's Hosp.] 17 l. 28cm. S. Paul, 1939.

Adson, A. W. Rupture of intervertebral disks as a cause of low back pain and chronic recurring sciatica. *Proc. Interest. Postgrad. M. Ass. N. America*, 1939, 142-7.—Andersen, T. The frequency of prolapsus disci intervertebralis as a cause of sciatica. *Acta med. scand.*, 1940, 104: 427-61 (microfilm).—Bustos, F. M. Ciática rebelde por luxación del disco intervertebral. *Rev. cir. B. Aires*, 1941, 20: 473.—Craig, W. McK. The role of the protruded intervertebral disk in the production of low back and sciatic pain. *Rocky Mountain M. J.*, 1942, 39: 98-101.—Diez, J. Ciática rebelde por luxación de disco intervertebral. *Bol. Acad. argent. cir.*, 1940, 24: 472-4.—Echols, D. H. Sciatic pain caused by ruptured intervertebral disk. *Week. Bull. S. Louis M. Soc.*, 1942-43, 37: 111-3.—Friberg, S. [Disc-prolapse as cause of the lumboschiatic syndrome] *Nord. med.*, 1940, 8: 1783-7.—Frugoni, P., & Adson, A. W. Frattura del disco intervertebrale con prolapsus del nucleus pulposus come causa di sciatica. *Arch. ital. chir.*, 1938, 52: 186-99.—Gordin, A. E. Low back-pain with special reference to herniated nucleus pulposus. *Indust. M.*, 1942, 11: 18-20.—Greenwood, J. Jr. Sciatic syndrome caused by herniated nucleus pulposus. *Tristate M. J.*, 1942-43, 15: 2882.—Haggart, G. E. The diagnosis of sciatica and low back pain due to herniation of intervertebral disks. *Surg. Clin. N. America*, 1941, 21: 889-94.—Hammerbeck, W. Der äusserlich sichtbare Bandscheibengewebsprolaps der Wirbelsäule. *Virchows Arch.*, 1934-35, 294: 8-26.—Intervertebral (The) disks and back pain. *Brit. M. J.*, 1937, 2: 423.—Jobin, J. B., & Sirois, J. Un cas de hernie du disque intervertébral; contribution à l'étude des douleurs lombaires. *Laval méd.*, 1941, 6: 58-69.—Keegan, J. J., & Finlayson, A. I. Low back and sciatic pain caused by intervertebral disk herniation. *Nebraska M. J.*, 1940, 25: 179-84.—Kendrick, J. I., & Bunts, A. T. Low back pain and sciatica due to protrusion of intervertebral discs; report of four cases. *Cleveland Clin. Q.*, 1938, 5: 228-35.—King, M. K. Sciatic neuritis and low back pain caused by rupture of the intervertebral discs. *Hosp. News, Wash.*, 1939, 6: No. 14, 1-8, 9 fig. Also *Virginia M. Month.*, 1939, 66: 656-9.—Lenschok, C. H. [Hernia of the intervertebral disc with pressure on the spinal cord and dorsal sac] *Ned. tschr. geneesk.*, 1937, 81: 4435-43.—McKenzie, K. G., & Botterell, E. H. The common neurological syndromes produced by pressure from extrusion of an intervertebral disc. *Canad. M. Ass. J.*, 1942, 46: 424-35.—Massart, R., & Vidal-Naquet, G. Les altérations du disque et les déviations du rachis dans le plan antéro-postérieur, cyphoses, lordoses. In their *Prat. orthop.*, Par., 1938, 291: 7.—Mixer, W. J. Rupture of the lumbar intervertebral disk; an etiologic factor for so-called sciatic pain. *Ann. Surg.*, 1937, 106: 777-87.—Murphey, F. Rupture of the intervertebral disc, the common cause of low back pain and sciatica. *Memphis M. J.*, 1940, 15: 182-4.—Pilcher, C. Protrusion of the nucleus pulposus and other causes of lumbosacral nerve root pain. *J. Missouri M. Ass.*, 1942, 39: 279-84.—Protruded intervertebral disk, back pain and sciatica. *J. Am. M. Ass.*, 1938, 111: 1303.—Roberts, J. B. The retropulsed intervertebral disc as a cause of low back pain and sciatica. *Univ. Toronto M. J.*, 1940-41, 13: 221-4.—Rubino, A. Sindromi neurologiche da ernia del nucleo pulposus. *Riv. neur.*, Nap., 1937, 10: 491-516.—Simonds, F. L. Low back pain due to herniation of the intervertebral disc. *Nebraska M. J.*, 1940, 25: 260-5.—Sköld, N. Diskbräck som orsak till ischias. *Nord. med.*, 1941, 10: 1815-8 (Abstr.).—Spurling, R. G., & Grantham, E. G. Low back and sciatic pain caused by rupture of the intervertebral disc with or without herniation of the nucleus pulposus.

Internat. Clin., 1940, n. ser. 4: 251-66, 3 pl.—Stookey, B. A clinical study of herniation of the nucleus pulposus. *Arch. Neur. Psychiat.*, Chic., 1937, 38: 899-903.—Swenson, L. L. A study of the intervertebral disc; with special reference to rupture of the nucleus pulposus and its relation to low back pain and to sciatica. *Physiother. Rev.*, 1941, 21: 179-84.—Turnbull, F. Extrusion of intervertebral disc, the commonest cause of sciatica. *Bull. Vancouver M. Ass.*, 1942, 18: 125-7.—Walsh, M. N., & Love, J. G. Protruded intervertebral disk as a cause of intractable pain. *Proc. Mayo Clin.*, 1938, 13: 203-5. — The syndrome of the protruded intervertebral disk. *Ibid.*, 1939, 14: 230-4.—Wigderson, H. Atypical syndrome with herniation of the nucleus pulposus. *Arch. Neur. Psychiat.*, Chic., 1941, 46: 371. Also *J. Nerv. Ment. Dis.*, 1941, 94: 88-90.—Woodhall, B., Rancey, R. B., & Vaughan, W. W. Low back pain and sciatica with special reference to rupture of the intervertebral disc. *North Carolina M. J.*, 1940, 1: 94-101.

Hernia, posterior.

DEUCHER, W. G. *Zur pathologischen Anatomie der operativ entfernten hinteren Prolapse der Zwischenwirbelscheiben. 20p. 24cm. Zür., 1938.

Also *Schweiz. Arch. Neur. Psychiat.*, 1939, 43:

GLORIEUX, P. La hernie postérieure du ménisque intervertébral (hernie nucléaire postérieure) et ses complications nerveuses. 102p. 4°. Par., 1937.

MONAQUE, P. M. J. *Compressions radiculomédullaires basses par hernie postérieure du disque intervertébral. 89p. 25cm. Bord., 1938.

SCHACHTSCHNEIDER, H. *Der hintere Bandscheibenprolaps in seinen klinischen Auswirkungen (Auszug) 8p. 23cm. Kiel, 1938.

Bosshard, P. Querschnittsläsion des Rückenmarkes infolge hinterem Zwischenwirbelbandscheibenprolaps. *Schweiz. med. Wschr.*, 1941, 71: 1567.—Bunts, A. T. Retropulsion of ruptured nucleus pulposus simulating tumor of the cauda equina; report of a case. *Cleveland Clin. Q.*, 1940, 7: 257-60.—Chifflet, A., & Soriano, V. Hernia posterior del núcleo pulposus. *Arch. urug. med.*, 1940, 17: 618-24.—Deucher, W. G. Die Röntgenuntersuchung des Spinalkanals bei Ischias verursachenden hinteren Bandscheibenprolapsen. *Münch. med. Wschr.*, 1941, 88: 687 (microfilm). — & Love, J. G. Pathologic aspects of posterior protrusions of the intervertebral disks. *Arch. Path.*, Chic., 1939, 27: 201-11.—Diez, J. Ciática rebelde por luxación posterior del disco intervertebral. *Bol. Acad. argent. cir.*, 1940, 24: 339-57. Also *Rev. cir. B. Aires*, 1941, 20: 320-2.—Heine, J. Ueber den hinteren Bandscheibenprolaps. *Münch. med. Wschr.*, 1940, 87: 1311 (Abstr.) (microfilm).—Hornitz, T. The diagnosis of posterior protrusion of the intervertebral disc with special reference to its differentiation from certain degenerative lesions of the disc and its related structures, and the interpretation of contrast myelography. *Am. J. Roentg.*, 1943, 49: 199-213.—Jéquier, E., & Rossier, J. Deux observations de hernie postérieure d'un disque intervertébral. *Schweiz. med. Wschr.*, 1939, 69: 273-7.—Jianu, A., & Frica, T. Considérations sur l'examen lipiodolé rachidienne à l'occasion d'un cas de fracture du rachis; hernie nucléaire postérieure. *Rev. chir.*, Bucur., 1940, 43: 305-12, 7 pl., 510-2.—Liedberg, N. Ueber die klinische Bedeutung des hinteren Bandscheibenprolapses. *Praxis*, Bern, 1942, 31: 725 (Abstr.).—Pappworth, S. Retropulsion of the nucleus pulposus; a critical review. *Brit. M. J.*, 1939, 2: 1038-40.—Petit-Dutailis, D. Quelques réflexions sur les manifestations cliniques, le diagnostic et le traitement des hernies postérieures des disques intervertébraux d'après 18 cas opérés. *Praxis*, Bern, 1942, 31: 410 (Abstr.).—Poppen, J. L. The use of oxygen in demonstrating posterior herniation of intervertebral disks. *N. England J. M.*, 1940, 223: 978-82.—Ransome, G. A., & McKie, E. C. Posterior displacement of the nucleus pulposus with pressure on the cauda equina; report of a case. *J. Malaya Brit. M. Ass.*, 1940, 4: 172-80, pl.—Robinson, J. M. Retropulsion of the lumbar intervertebral discs as a cause of low back pain with unilateral sciatic radiation; roentgenologic diagnosis, with special reference to iodology. *Am. J. Surg.*, 1940, 49: 71-88.—Schachtschneider, H. Der hintere Bandscheibenprolaps in seinen klinischen Auswirkungen. *Fortsch. Röntgenstrahl.*, 1936, 54: 107-29.—Sigmund, H. Zur Begutachtung der hinteren Bandscheibenprolapse der Wirbelsäule. *Mtschr. Unfallh.*, 1936, 43: 609-17.

Hernia: Treatment.

Baker, G. S., & Soniat, T. L. L. Removal of midline protrusion of an intervertebral disk to relieve backache which caused total disability; presentation of case. *Proc. Mayo Clin.*, 1940, 15: 280-2.—Brown, H. A. Nucleus pulposus rupture and its relation to injury; neurosurgical aspect. *California West. M.*, 1939, 51: 297.—Bunts, A. T. Surgical aspects of ruptured intervertebral disc; with particular reference to

thorotrast myelography. *Radiology*, 1941, 36: 604-16.—**Craig, W. McK.** Treatment of intractable sciatic pain due to protruded intervertebral discs. *Am. J. Surg.*, 1939, 45: 499-506.—**Walsh, M. N.** The diagnosis and treatment of low back and sciatic pain caused by protruded intervertebral disk and hypertrophied ligaments. *Minnesota M.*, 1939, 22: 511-7.—**Dandy, W. E.** Recent advances in the diagnosis and treatment of ruptured intervertebral discs. *Ann. Surg.*, 1942, 115: 514-20.—**Ecker, A.** Decompression of protruded intervertebral discs, with a note on spinal exploration. *J. Am. M. Ass.*, 1943, 121: 401-3.—**Farrell, B. P., & MacCracken, W. B.** Spine fusion for protruding intervertebral discs. *J. Bone Surg.*, 1941, 23: 457-60.—**Hamby, W. B.** The interlaminar removal of protrusions of the intervertebral disc at the fourth and fifth lumbar interspaces. *Surg. Gyn. Obst.*, 1940, 71: 344-6.—**Love, J. G.** Special nerve root retractor used in removing protruded intervertebral discs. *Proc. Mayo Clin.*, 1937, 12: 393.—Intractable low back and sciatic pain due to protruded intervertebral discs; diagnosis and treatment. *Minnesota M.*, 1938, 21: 832-9.—Treatment of protruded intervertebral discs. *Ibid.*, 1940, 23: 692-5.—**Walsh, M. N.** Protruded intervertebral discs; report of one hundred cases in which operation was performed. *J. Am. M. Ass.*, 1938, 111: 396-400.—**McNamara, E.** A laminectomy for a ruptured disk; nursing care. *Am. J. Nurs.*, 1941, 41: 292-6.—**Poppen, J. L.** Transplantation of a cervical nerve root intraspinally; indications and technic. *Lahey Clin. Bull.*, 1940-41, 2: 165.—**Raaf, J.** The treatment of patients with protruded intervertebral discs. *Rocky Mountain M. J.*, 1942, 39: 263-6.—**Smith, A. D.** The surgical treatment of herniated nucleus pulposus. *Surg. Clin. N. America*, 1943, 23: 463-7.

Hypertrophy.

Kastein, G. Kongenitale Hypertrophie. *Nord. med.*, 1941, 12: 2912 (Abstr.) (microfilm).—**Moffat, B. W.** Enlargement of the intervertebral disc associated with decalcification of the vertebral body: a compensatory hypertrophy. *J. Bone Surg.*, 1933, 15: 679-95.

Injury.

See also subheadings (Degeneration; Disease; Hernia) also **Cerebrospinal cavity, Puncture, lumbar: Accidents; Vertebra, Fracture, etc.**

Bailey, W., & Taylor, R. T. The importance of lesions of the intervertebral discs in relation to trauma. *California West. M.*, 1936, 44: 509-13.—**Brocher, J. E. W.** La déchirure du disque intervertébral lombaire et ses conséquences cliniques, lumbago, sciaticque. *Praxis, Bern*, 1942, 31: 27-9.—**Cacc, M.** Un caso di frattura isolata del disco intervertebrale. *Arch. radiol.*, Napl., 1938, 14: 450-5.—**Decker, P.** Hernie traumatique des disques intervertébraux. *Praxis, Bern*, 1942, 31: 17-9.—**Filippi, A.** La guarigione del disco intervertebrale dopo asportazione del nucleus pulposus negli animali da esperimento. *Chir. org. movim.*, 1935-36, 21: 1-9.—**Göcke, C.** Das Verhalten der Bandscheiben bei Wirbelverletzungen. *Verh. Deut. orthop. Ges.* (1931) 1932, 26. Kongr., 291-4. Also *Arch. orthop. Unfallchir.*, 1932, 31: 42-80.—**Wirbelbrüche und Bandscheibenverletzungen.** *Jahrb. Ges. Natur. Heilk. Dresden* (1932-34) 1934, 28.—**Gottlieb, F.** La maladie dissociée du disque intervertébral. *Rev. orthop.*, Par., 1938, 3, ser., 25: 619-31.—**Hetzar, W.** Die traumatischen Schädigungen der Bandscheiben bei Wirbelkörperabschnitten. *Deut. Zschr. Chir.*, 1939, 252: 396-439.—**Hill, H. G.** Low back pain, with special reference to injuries of the intervertebral disc. *Mississippi Doctor*, 1939-40, 17: 487-92.—**Kagan, M. I.** [Partial spondylitis deformans and trauma of the disk as cause of spondylitis] *Nov. khir. arkh.*, 1937, 39: 50-73.—(Mechanism of fractures of the spinal column and injuries of the intervertebral disk) *Vest. khir.*, 1937, 49: 175-94.—**Leonard, E. D.** Nucleus pulposus rupture; legal-industrial aspects. *California West. M.*, 1939, 50: 194-6.—**Lob, B.** Zur Frage der Wirbelbruchheilung in ihrer Beziehung zur Bandscheibe. *Arch. klin. Chir.*, 1940, 200: 27-36 (microfilm).—**Love, J. G.** Injuries of the intervertebral disk in military service. *War Med. Chic.*, 1942, 2: 403-9. Also in *Neurosurg. & Thorac. Surg.* (U. S. Nat. Res. Council) Phila., 1943, 73-9.—**Munro, D., & Harding, W. G.** 2d. Lumbar puncture; its potential role in the production of injuries to the intervertebral disk. *J. Am. M. Ass.*, 1942, 119: 482.—**Olin, H. A.** Injuries to the intervertebral disc. *Indust. M.*, 1937, 6: 401-6.—**Reinbold, P.** Disque inter-vertébral et traumatismes. *Praxis, Bern*, 1942, 31: 116.—**Rocher, E.** Méniscite vertébrale traumatique et cyphose traumatique. *Bordeaux chir.*, 1931, 2: 370.—La méniscite vertébrale atrophique d'origine traumatique. *Gaz. méd. France*, 1933, 349-54.—**Stump, J. P., & Narins, S. A.** Intervertebral disc injury during spinal puncture. *U. S. Nav. M. Bull.*, 1943, 41: 400-3.—**Tammann, H.** Ueber die Wundheilung im Bereich der Zwischenwirbelscheibe. *Arch. orthop. Unfallchir.*, 1933-34, 34: 356-8.—**Terracol, J.** Plaie pénétrante du cou par balle de revolver; extraction du projectile dans le disque intermédiaire des IV* et V* vertèbres cervicales. *Arch. internat. laryng.*, Par., 1927, 33: 1080-3.—**Williams, P. C.** Lesions of the lumbosacral spine; acute traumatic destruction of the lumbosacral intervertebral disc. *J. Bone Surg.*, 1937, 19: 343-63.

Intercalary bone.

Lyon, E. Intercalary bones of the intervertebral disc. *J. Bone Surg.*, 1942, 24: 805-11.—**Niedner, F.** Schaltknochen in den Zwischenwirbelscheiben. *Fortsch. Röntgenstrahl.*, 1933, 47: 70-6.

Nodule.

See subheading **Echondrosis.**

Nucleus pulposus.

DELON, L. *Topographie et rôle du nucleus pulposus. 69p. 8° Par., 1936.

Böhmgig, R. Ueber Formanomalien des Nucleus pulposus der Wirbelbandscheiben. *Virchows Arch.*, 1931, 280: 873-81.—**Calve, J., & Galland, M.** The intervertebral nucleus pulposus; its anatomy, its physiology, its pathology. *J. Bone Surg.*, 1930, 12: 555-78. Also *Presse méd.*, 1930, 38: 520-4.—**Di Prisco, I.** Il nucleo pulposio intervertebrale. *Morgagni*, 1930, 72: 1477-9.—**Dueño, F. P.** Contribución al estudio del núcleo pulposio intervertebral. *Progr. clín. Madr.*, 1931, 39: 536-41.—**Keyes, D. C., & Compere, E. L.** The normal and pathological physiology of the nucleus pulposus of the intervertebral disc; an anatomical, clinical, and experimental study. *J. Bone Surg.*, 1932, 14: 897-938.—**Lemaître, L., & Swyngedauw, J.** Pathologie du nucleus pulposus; à propos de quelques observations personnelles. *Echo méd. nord*, 1934, 3, ser., 1: 925-42, pl.

Radiography.

Babañantz, L., & Perrot, A. Le disque intervertébral en radiologie. *Rev. méd. Suisse rom.*, 1934, 54: 742-69, 2 pl.—**Bonnell, F. H.** A radiological consideration of intervertebral disc lesions. *Brit. J. Radiol.*, 1941, 14: 386-91.—**Compere, E. L., & Keyes, D. C.** Roentgenological studies of the intervertebral disc; a discussion of the embryology, anatomy, physiology, clinical and experimental pathology. *Am. J. Roentg.*, 1933, 29: 774-97.—**Intervertebral (The) discs.** *Brit. J. Radiol.*, 1932, 5: 545-55.—**Januszkiewicz, S.** [On the possibility of direct roentgen diagnosis of changes in the intervertebral disks] *Polski przegl. radiol.*, 1935-36, 10: 11: 265-9, 2 pl.—**Junghanns, H.** Die Zwischenwirbelscheiben im Röntgenbild (ihre Umbildungen während des Wachstums und ihre krankhaften Veränderungen) *Fortsch. Röntgenstrahl.*, 1931, 43: 275-305.—**Malcolmson, P. H.** Radiologic study of the development of the spine and pathologic changes of the intervertebral disc. *Radiology*, 1935, 25: 98-104.—**Mardersteig, K.** Spaltbildungen in den Zwischenwirbelscheiben im Röntgenbild. *Fortsch. Röntgenstrahl.*, 1935, 82: 278-83.—**Mooney, A. C.** Intervertebral disc changes. *Brit. J. Radiol.*, 1937, 10: 389-407.—**Nosik, W. A.** Intraspinal thorotrast. *Am. J. Roentg.*, 1943, 49: 214-8.—**Pigorini, L.** Contributo allo studio del quadro radiologico da lesione post-traumatica isolata del disco intervertebrale. *Q. radiol. Belluno*, 1937, 8: pt 2, 321-34.—**Podkaminski, N. A.** Röntgendiagnostik der Erkrankungen der Zwischenwirbelscheiben. *Arch. klin. Chir.*, 1935, 182: 352-68. Also *Ortop. travmat.*, 1937, 11: 57-69.—**Nouveaux symptômes roentgénéologiques lors des maladies des disques intervertébraux.** *Bull. Acad. méd. Par.*, 1935, 3, ser., 113: 347-51.—**Rose, G., & von Mentzingen, A.** Schattengebende Herde in der Wirbelbandscheibe. *Chirurg.*, 1930, 2: 19-22.—**Steiner, W.** Zwischenwirbelscheibe und Röntgenbild am Lebenden. *Fortsch. Röntgenstrahl.*, 1936, 53: 180.

Tumor.

RATHCKE, L. *Cysten in den Zwischenwirbelscheiben [Leipzig] p.737-51. 8° Naumburg (Saale) 1931.

Delhay, A., & Van Bogaert, L. Sur l'extension intrapulmonaire d'un fibrome du disque intervertébral. *Bull. Soc. méd. hôp. Paris*, 1934, 3, ser., 50: 1493-6.—**Groff, R. A.** Spinal cord tumors; intervertebral disc. In *Cyclop. Med.* (Piersol-Bortz) Phila., 1938, Serv. Vol., 315.

INTERVIEW.

See also **Intelligence test; Psychology, Methods.**

SNEDDEN, D. S. *A study in disguised intelligence tests (interview form) [Columbia Univ.] 48p. 8° N. Y., 1927.

Harriman, P. L. An objective technique for beginning the interview with certain types of adults. *J. Appl. Psychol.*, 1935, 19: 717-24.—**Katz, D.** The effect of the social status, or membership character, of the interviewer upon his findings. *Psychol. Bull.*, 1941, 38: 540.—**Landis, C., & Bolles, M. M.** Controlled interview. In *their Personal. & Sex.*, N. Y., 1942, 7-10.—**Link, H. C.** How many interviews are necessary for results of a certain accuracy. *J. Appl. Psychol.*, 1937, 21: 1-17.—**Maizlish, I. L.** New possibilities in intelligence testing; interview form. *Ibid.*, 1936, 20: 599-608.—**Martin, M. F.** Logic in the informal interview. *Psychiatry, Balt.*, 1940, 3: 535-7.—**Peppard, S. H., Meyer, K. S., & Talbot, M.** Some mental-hygiene aspects of interviewing. *Ment. Hyg.*, Alb., 1942, 26: 455-60.—**Porter, E. H., jr.** The development and

evaluation of a measure of counseling interview procedure. *Psychol. Bull.*, 1941, 38: 524.—**Price, B.** A directions test arranged as an interview and a determination of adult age effects therewith. *Abstr. Diss. Stanford Univ.*, 1933-34, 9: 152-5.—**Ruch, F. L.** Effects of repeated interviewing on the respondent's answers. *J. Consult. Psychol.*, 1941, 5: 179-82.—**Super, D. E., & Brophy, D. A.** The rôle of the interview in vocational diagnosis. *Occupations*, 1940-41, 19: 323-7.

INTESTINAL juice.

See also **Digestion; Digestive glands; Intestine (Chemistry; Contents; Glands)**

Allodi, A., & Bellomo, A. Primi tentativi di ricerche cliniche sul succo enterico. *Arch. ital. mal. app. diger.*, 1938, 7: 97-103.—**Andrejev, S. W.** Ein neues Verfahren zur Gewinnung von Darmsaft aus isolierten Darmabschnitten. *Arch. ges. Physiol.*, 1934-35, 235: 789.—**Georgievsky, S.** Ueber die Abhängigkeit der fermentativen Fähigkeit des Darmsaftes von der Art der Nahrung; das amylolytische Ferment. *Ibid.*, 1932, 230: 33-41.—**Ueber Darmsaftsekretion in Abhängigkeit von der Art der Nahrung.** *Ibid.*, 1934-35, 235: 156-63.—**Ueber die Abhängigkeit der amylolytischen Fähigkeit des Darmsaftes von der Art der Nahrung.** *Ibid.*, 1932-37.—**Boldyreff, J. W.** Der Einfluss der Verfütterung von Knochen auf die Sekretion des Darmsaftes und seine Zusammensetzung. *Fermentforschung*, 1926-27, 9: 146-55.—**Boldyreff, W. N.** Methode zur Darstellung eines reinen, natürlichen fermentreichen Darmsaftes. *Ibid.*, 156-65.—**Clementi, A.** Presenza di lipidi tra i costituenti normali del secreto enterico. *Boll. Soc. ital. biol. sper.*, 1927, 2: 584-6.

Digestione protratta della caseina per opera del succo enterico puro. *Ibid.*, 1931, 6: 241.—**De Beer, E. J., Johnston, C. G., & Wilson, D. W.** The composition of intestinal secretions. *J. Biol. Chem.*, 1935, 108: 113-20.—**Forti, C.** Sui corpuscoli del succo enterico e del colostro. *Boll. Soc. ital. biol. sper.*, 1927, 2: 303-6.—**Proprietà fisiologiche dei corpuscoli delle cavità del corpo comunicanti con l'esterno; i corpuscoli del succo enterico.** *Fisiol. & med.*, Roma, 1930, 1: 518-50, pl.—**Grabar, P.** Ultrafiltration fractionnée de l'invertine du suc intestinal de chien. *C. rend. Soc. biol.*, 1935, 118: 455.—**Hermann, H., & Ribère, M.** Quelques données relatives au suc intestinal de l'homme. *Ibid.*, 1931, 107: 821-3.—**Herrin, R. C.** Chemical changes in blood and intestinal juice produced by the loss of intestinal juice. *J. Biol. Chem.*, 1935, 108: 547-62.—**Meyer, K., & Löwenberg, W.** Ueber die Bactericide des Darmsaftes. *Klin. Wschr.*, 1928, 7: 984-7.—**Nasset, E. S., & Pierce, H. B.** The chemical analysis and enzyme content of intestinal juice. *Am. J. Physiol.*, 1935, 113: 101.—**Oyama, K.** Ueber die Entstehung der alkalischen Reaktion des Darmsaftes. *J. Biochem.*, Tokyo, 1928, 9: 1-16.—**Vonk, H. J., & Wolvenkamp, H. P.** Das pe-Optimum des Trypsins und die Reaktion des Darminhaltes. *Proc. Akad. wet. Amsterdam*, 1929, 32: pt 1, Sect. Sc., 440-3.

Ferments.

Clementi, A. Sur un nouveau ferment propre du suc entérique: la phosphoglycérase, recherches expérimentales. *Arch. internat. physiol.*, Liège, 1923-24, 22: 121-36.—**Sulla costante presenza della fosfoglicerasi nel succo enterico.** *Arch. farm. sper.*, 1929-30, 49: pt. 2, 341-5.—**Johnson, M. J.** Specificity of intestinal aminopolypeptidase. *J. Biol. Chem.*, 1937-38, 122: 89-97.—**Kato, H.** Influence of parenteral inoculation of lymph gland and other organ cell constituents upon the lipase content of intestinal fluid. *Jap. J. Exp. M.*, 1936, 14: 483-518.—**Levene, P. A., & Dillon, R. T.** Intestinal nucleotidase. *J. Biol. Chem.*, 1930, 88: 753-69.—**Intestinal nucleotidase and polynucleotidase.** *Ibid.*, 1932, 96: 461-77.—**Matuo, M.** Ueber die proteolytischen Enzyme des Darmsaftes; über die ereptische Wirkung des Darmsaftes. *J. Biochem.*, Tokyo, 1941, 33: 59-72.—**Ueber die proteolytischen Enzyme des Darmsaftes; über die Proteinasewirkung des Darmsaftes.** *Ibid.*, 97-109.—**Micale, R.** Sull'esterasi del secreto enterico. *Boll. Soc. ital. biol. sper.*, 1930, 5: 240-3.—**Reale, L.** Ricerche sull'esterasi del secreto enterico. *Ibid.*, 1932, 7: 1380-4.—**Also Arch. farm. sper., 1932-33, 56: 512-35.—**Atti Soc. sc. med. natur. Cagliari, 1933, 35: 308-15.—**Sunzeri, G.** Sull'attività degli enzimi enterici nei cani spartiroidati. *Boll. Soc. ital. biol. sper.*, 1926, 1: 189-91.—**Tatibana, T.** Supplementary research of ferments in digestive organs; peptone-decomposing ferment in intestinal canal. *Jap. J. Obst.*, 1927, 10: No. 4, 40-6.—**Supplementary research of ferments in digestive organs; lipase in intestines.** *Ibid.*, 1928, 11: 227-35.—**Supplementary research of ferments in digestive organs; lactase in intestinal canal.** *Ibid.*, 1929, 12: 100-10.—**Supplementary researches on the ferments in the digestive organs; amylase in the intestinal canal and the liver.** *Ibid.*, 111-21.—**Thépénier, A.** L'amyloidiastase et la radiologie. *Gaz. hôp.*, 1937, 110: 163.—**Vonk, H. J., Shinoda, O.** [et al.] [On a few enzymes in the intestinal tract of lower animals]. *Ned. tschr. geneesk.*, 1928, 72: pt. 1, 466.—**Wright, R. D., Jennings, M. A.** [et al.] The influence of nerves and drugs on secretion by the small intestine and an investigation of the enzymes in intestinal juice. *Q. J. Exp. Physiol.*, Lond., 1940, 30: 73-120.—**Zamyehkina, K. S.** [On the glycolytic capacity of digestive juices; glycolytic capacity of the intestinal juice] *Arkh. biol. nauk.*, 1940, 58: 78-80.****

Secretion.

Bickel, A. Der phylogenetische Aufbau des nervösen Mechanismus der menschlichen Darmsaftsekretion mittels addierter Reflexe. *Verh. Berl. med. Ges.* (1934) 1935, 65: 4-18.—**Also Deut. med. Wschr., 1934, 60: 345-50.—**Brestkin, M., & Savich, V.** [Mechanism of secretion of the intestinal juice] *Arch. biol. nauk*, 1927, 27: 37-44.—**Cherkasova, E. V.** [Electrical manifestations in the mucous membrane of the intestine during its secretory activity] *J. Physiol. USSR*, 1940, 29: 566-70.—**Florey, H. W., Wright, R. D., & Jennings, M. A.** The secretions of the intestine. *Physiol. Rev.*, 1941, 21: 36-69.—**Herrin, R. C.** Secretion of ammonia by the intestine. *Am. J. Physiol.*, 1935, 113: 62.—**Jacobs, W.** Untersuchungen über die Cytologie der Sekretbildung in der Mitteldarmdrüse von *Astacus leptodactylus*. *Zschr. Zellforsch.*, 1928-29, 8: 1-62.—**Koga, S.** Studien über die Darmfistel; experimentelle Untersuchungen über die Sekretion der Verdauungssäfte bei Darmfistel. *J. Chosen M. Ass.*, 1936, 26: 55: 56.—**Kokura, M.** Experimentelle Studien über die Darmsaftsekretion. *Mitt. Med. Akad. Kioto*, 1937, 21: 427-30.—**Koskowski, W., & Stradin, P.** The effects produced on the secretion of the succus entericus by liver injury and pancreatotomy. *J. Pharm. Exp. Ther.*, 1926, 28: 171-6.—**Kudriavtsev, A. A.** [Intestinal juice secretion in the horse] *J. Physiol. USSR*, 1937, 23: 339-42.—**Pierce, H. B., Nasset, E. S., & Murlin, J. R.** Studies on the transplanted intestinal loop; a humoral influence in the secretion of intestinal juice. *Proc. Am. Soc. Biol. Chemists*, 1932, 8: p. xlii.—**A humoral influence in the secretion of transplanted intestinal loops.** *Sunti Congr. internaz. fisiol.*, 1933, 14. Congr., 191.—**Proof of a humoral control of intestinal secretion.** *Am. J. Physiol.*, 1935, 111: 145-58.—**Purjesz, B., & Kup, G.** [Experimental tests on secretions of the intestinal wall in animals] *Magy. orv. arch.*, 1929, 30: 342-58.—**Savitch, V.** [The rôle of the nerves in secretion of intestinal juice] *Arkh. biol. nauk.*, 1922, 21: 145-50.—**Wright, R. D., Jennings, M. A.** [et al.] Observations on intestinal secretion. *J. Physiol.*, Lond., 1939, 96: Suppl., 13.**

Secretion: Pharmacology.

See also **Intestine, Pharmacology.**

Clementi, A. Recherches sur le mécanisme de la stimulation de la sécrétion de l'anse de Vella par l'introduction de solution de cristalloïdes dans sa lumière. *Arch. internat. physiol.*, Liège, 1924, 23: 1-48.—**Concentrazione idrogenionica e natura chimica dell'anione nel determinismo della secrezione enterica da acidi.** *Boll. Soc. ital. biol. sper.*, 1931, 6: 242-5.—**Costantini, A., & Almeida, F. de.** Ricerche sulla secrezione intestinale; variazioni quantitative in seguito all'introduzione parenterale di soluzioni saline. *Arq. anat.*, Lisb., 1938, 19: 603-6.—**Gorbunova-Nikolaeva, M. M.** [Zur Frage über die Wirkung von Narcotica auf die Darmsekretion] *J. Physiol. USSR*, 1935, 18: 824-9.—**Kamarow, S. A.** Zur Frage nach dem Mechanismus der Darmsekretion; über die Einwirkung einiger zurzeit bekannten quaternären Ammoniumbasen des Fleischextraktes auf die Darmsekretion. *Biochem. Zschr.*, 1926, 167: 275-312.—**Kubikowski, P.** Influence de certains corps parasympathicomimétiques sur la sécrétion et les propriétés du suc intestinal chez le chien. *C. rend. Soc. biol.*, 1927, 97: 930-3.—**Sarzana, G.** Azione della pilocarpina e dell'acetilcolina, introdotte in un'ansa alla Vella, sulla secrezione enterica. *Boll. Soc. ital. biol. sper.*, 1935, 10: 542-4.—**Schazillo, B. A.** Beiträge zum Studium über die Bedeutung der Blutdrüsen für den Verdauungstrakt; die Wirkung von Adrenalin und Insulin auf die Sekretion des Dünndarmsaftes. *Arch. Verdauungskr.*, 1929, 45: 264-71.

INTESTINE.

See also **Anus; Appendix; Cecum; Colon; Digestive system; Digestive tract; Duodenum; Gastrointestinal tract; Ileum; Intestinal juice; Intestine, small; Jejunum; Mesentery; Omentum; Peritoneum; Rectum; Sigmoid.**

BARGHEER, E. Eingeweide. 443p. 24½cm. Berl., 1931.

RANKIN, F. W., BARGEN, J. A., & BUIE, L. A. The colon, rectum and anus. 846p. 8". 1932.

SHEPARD, W. C. Anatomical study of the lower bowel. 2 l. 23x30½cm. Chic., 1942.

Preston, D. J. Intestines. In *Cyclop. Med.* (Piersol-Bortz) Phila., 1939, serv. vol., 832-45.

Abnormity.

See also **Abdomen, Abnormalities; Abdominal wall, Abnormalities; Intestine subheadings (Displacement; Diverticulum; Volvulus) Mesentery, Abnormity; Viscera, Transposition, etc.**

GRODÉE, L. A. A. *Une malformation congénitale de l'intestin. 65p. 24cm. Lille, 1936.

HORN, J. [P. M.] *Normale und pathologische Länge des Darmes einschliesslich der Doppelbildungen [Breslau] 23p. 8° Beuthen, 1931.

Asar, Y. H. A case of an unusual arrangement of the gut. *J. Anat.*, Lond., 1937-38, 72: 579-83.—Amitrano, L. Contributo alla conoscenza delle malformazioni congenite dell'intestino. *Pediatrica (Riv.)* 1939, 47: 170-4.—Appelmanns, R. Sur les malformations congénitales de l'intestin. *Rev. chir.*, Par., 1926, 64: 729-36.—Bagnaresi, G. Contributo allo studio delle malformazioni dell'intestino. *Arch. radiol.*, Nap., 1928, 4: 370-82.—Berman, J. K. Congenital anomalies of the midgut. *Internat. Clin.*, 1937, 47, ser., 4: 240-62, 29 pl.—Bollettino, A. Parziale agenesia dell'intestino. *Pediatrica (Riv.)* 1935, 43: 192-201.—Cathcart, D. F. Congenital intestinal anomaly in a new-born infant. *Am. J. Dis. Child.*, 1938, 55: 566-72.—Chiesa, M. Anomalie intestinali congenite associate. *Q. radiol.*, Belluno, 1939-40, n. ser., 4: 125-30.—Dardel, G. Des anomalies de position de l'intestin et de leurs complications. *Helvet. med. acta*, 1935-36, 2: 185-90.—Denny, E. S., & Sloan, L. H. Congenital intestinal malformations in identical twins. *Surg. Clin. N. America*, 1932, 12: 227-40.—Halac, E., & Halac, J. J. Un caso de malconformación congénita de intestino. *Arch. argent. pediat.*, 1942, 18: 110-20.—Hausman, F. O. [Classification of anomalies in the development and position of the intestines] *Vrach. delo*, 1938, 20: 931-8.—Henson, E. B. Dilatation and malposition of cecum and ascending colon due to developmental defects. *West Virginia M. J.*, 1926, 21: 344-9.—Holst, J. [Ileus of large intestine associated with congenital abnormalities; 6 cases] *Norsk. mag. lægevid.*, 1927, 88: 1164-94.—Jones, T. B., & Morton, J. J. Congenital malformations of the intestine in children. *Am. J. Surg.*, 1938, 39: 382-99.—Junack, M., & Saling, T. Eine einzigartige Missbildung beim erwachsenen Schafe; Weiterentwicklung und Sekretion einer fetal versprengten umfangreichen Darmanlage. *Berl. tierärztl. Wschr.*, 1926, 42: 802.—Kantor, J. L. Common anomalies of duodenum and colon: their practical significance; result of 8 years' combined clinical and roentgen study. *J. Am. M. Ass.*, 1931, 97: 1785-90.—Kornfeld, W. Blasen-Darm-Genitalpalte (Fissura vesicae et intestini) *Wien. med. Wschr.*, 1926, 76: 1020.—Leo, E. Briglie intestinali abnormi congenite: briglie di Lanci; membrana di Jackson. *Gazz. internaz. med. chir.*, 1926, 31: 480; 198; 521.—Loffredo, A. Un caso di malformazioni multiple dell'intestino. *Rinasc. med.*, 1928, 5: 1444, pl.—Maguire, T. C. Congenital malformations of the intestinal tract. *J. Florida M. Ass.*, 1938-39, 25: 283-7.—Martin-du-Pan, C. Anomalies de l'intestin. *Rev. méd. Suisse rom.*, 1938, 58: 557.—Mazzini, O. F. Duodeno anormal; sinistrotocolia por colon movable; mesenterium communis. *Bol. Soc. cir. B. Aires*, 1933, 17: 810-8.—Metcalfe, R. F. Repeat of a rare congenital malformation of intestine; with case report. *Am. J. Surg.*, 1933, 21: 294-6.—Miller, J. M., & Wakefield, R. G. Congenital anomalies of the primary midgut loop. *Am. J. Digest. Dis.*, 1942, 9: 383-7.—Morison, J. E. Extroversion of the primitive hind gut. *Arch. Dis. Childh.*, Lond., 1940, 15: 105-14.—Nell, W. Ueber einige röntgenologisch bisher noch nicht dargestellte Hemmungsmisbildungen der Darmanlage. *Beitr. klin. chir.*, 1936, 163: 598-617.—Nyström, T. G. Högradig, medfödd missbildning av tarmen. *Nord. med.*, 1941, 11: 2203 (Abstr.).—Oeynhausens, R. von. Ueber eine seltene Hemmungsmisbildung des Darmes. *Zbl. allg. Path.*, 1937, 68: 405-7.—Papez, J. W. A rare intestinal anomaly of embryonic origin. *Anat. Rec.*, 1932, 54: 197-215.—Pellegrini, M. Su di un caso di malconformazione di intestino fetale. *Clin. ostet.*, Roma, 1933, 35: 404-10.—Polar, U. Dismorfie intestinali; mesenterium commune e diverticolosi. *Arch. ital. mal. app. diger.*, 1931-32, 1: 158-83.—Purdy, W. O., & Stofer, B. E. An unusual congenital anomaly; case report. *J. Iowa M. Soc.*, 1934, 24: 527.—Rady, H. Ueber die Ausbildung des normalen und eines abnormen Darmsitus (Mesenterium commune) *Klin. Wschr.*, 1939, 18: 1421-3.—Sager, W. W., & Solnitzky, O. Anomalies of the intestine; a new operative approach. *Am. J. Surg.*, 1935, 27: 126-34.—Savignoni, F. Di una rara malconformazione dell'intestino fetale. *Clin. ostet.*, 1931, 33: 343-7.—Schiassi, F. Sindromi cliniche da talune anomalie morfologiche intestinali. *Endocr. pat. cost.*, Bologna, 1930, 5: 369-91, 2 ch.—Sighinolfi, G. Il mesenterium commune ileo-colico con non rotazione. *Riv. radiol.*, 1930, Suppl. No. 1, 2: 77.—Smith, M. K., & Cohen, H. Duplication of the bowel. *Am. J. Surg.*, 1933, 19: 120-3.—Strode, J. E. Intrinsic congenital malformations of the large intestine and anus. *Proc. Clin. Honolulu*, 1941, 7: No. 3, pt. 2, 1-7, 3 pl.—Szantoch, Z. Darmbuchtspalte. *Virchows Arch.*, 1930, 278: 539-54.—Tartagli, D. Alcuni casi di anomalie congenite dell'intestino. *Radiol. med.*, Milano, 1930, 17: 231-61.—Taylor, A. L. Some intestinal malformations and their clinical significance. *Bristol Med. Chir. J.*, 1931, 48: 113-34, 2 pl.—Winz, E. Drei Fälle von Darmmissbildungen bei Neugeborenen. *Frankf. Zschr. Path.*, 1933-34, 46: 503-7.—Zaborowski, F. L. Abdominal surgery; intestinal anomalies. In *Cyclop. Med.* (Piersol-Bortz) Phila., Serv. Vol., 1941, 719-30.

Abnormity: Malrotation and non-rotation.

FÉCAN, A. *Contribution à l'étude de la sinistroposition du gros intestin avec dextro-

position du grêle par arrêt de torsion de l'anse intestinale embryonnaire. 87p. 8° Par., 1932.

Bauer, G. Störung der Entwicklungsmechanik der Darmdrehung unter Einfluss einer Darmstenose. *Zbl. allg. Path.*, 1935, 63: 193-9.—Burns, C. W. Congenital anomalies of the intestinal tract with report of a case of non-rotation. *Manitoba M. Ass. Rev.*, 1935, 15: No. 3, 5-7.—Campbell, J. F. M. Errors in mid-gut rotation. *J. R. Nav. M. Serv.*, 1936, 22: 303-7.—Carter, D. M. F. Complete congenital non-rotation of the gut; an unusual case, its embryology and pathological sequelae. *Guy's Hosp. Gaz.*, Lond., 1938, 52: 454-7.—Danelius, G. Abnormalities of the rotation of the midgut: a report of 4 cases. *Am. J. Digest. Dis.*, 1937-38, 4: 231-6.—Dixon, C. F., & Deuterman, J. L. Malrotation of the intestine. *Proc. Mayo Clin.*, 1936, 11: 140-2.—Dobbs, R. H., & Heritage, K. Malrotation of the intestines in a child aged 9 months; cured by operation. *Proc. R. Soc. M.*, Lond., 1936-37, 30: 404.—Malrotation of the intestines in a child aged 9 months. *Brit. J. Child. Dis.*, 1940, 37: 180.—Donaldson, H. I. Abnormalities of rotation of midgut. *Am. J. Surg.*, 1936, 32: 352-6.—Feldman, M. Nonrotation of the intestines. *Internat. Clin.*, 1940, n. ser., 4: 70-3, 3 pl.—Grant, J. W. G. An anomaly of intestinal rotation. *Surg. Gyn. Obst.*, 1928, 46: 133.—Case of non-rotation of the intestine with congenital absence of radius. *Brit. J. Surg.*, 1930, 18: 166.—Haymond, H. E. Anomalies of intestinal rotation; report of 2 cases. *Tr. Chicago Path. Soc.*, 1931, 13: 450.—Dragstedt, L. R. Anomalies of intestinal rotation; a review of the literature with report of 2 cases. *Surg. Gyn. Obst.*, 1931, 53: 316-29.—Hipsley, P. L. Two cases of non-rotation of the mid-gut loop in children. *Austral. N. Zealand J. Surg.*, 1939-40, 9: 79-84.—Lichstein, J. Case of probable left upper quadrant appendicitis due to partial non-rotation of the colon. *Rev. Gastroenter.*, 1942, 9: 424-7.—McIntosh, R., & Donovan, E. J. Disturbances of rotation of the intestinal tract: clinical picture based on observations in 20 cases. *Am. J. Dis. Child.*, 1939, 57: 116-66.—Marx, R. Nonrotation of the intestine. *Ann. Surg.*, 1939, 109: 49-56.—Mole, R. H. Congenital non-rotation of the intestine. *Brit. J. Surg.*, 1929-30, 17: 670-2.—Mukerji, P. D., & Gupta, S. P. Non-rotation of the gut. *J. Ind. M. Ass.*, 1941-42, 11: 195-8.—Nafe, C. A. Disturbances of intestinal rotation; report of 2 cases; reversed rotation and hernia into a mesenteric pouch. *Tr. West. Surg. Ass.* (1939) 1940, 49: 102-27.—Newburger, B. Incomplete intestinal rotation. *Am. J. Surg.*, 1933, 19: 474-84.—O'Meara, F. J. A case of departure from the normal in the rotation of the gut. *J. R. Army M. Corps*, 1939, 72: 117-9.—Peigneaux & Fruchaud, H. Troubles digestifs graves chez une jeune fille de 5 ans en relation avec des malformations portant sur le duodénum et le colon droit (anomalie de torsion de l'anse intestinale primitive) gastro-jéjunostomie antérieure; colo-colostomie sur le colon transverse; colopexie du colon droit; guérison. *Bull. Soc. nat. chir.*, Par., 1930, 56: 335-43.—Rosenblatt, M. S. Faulty rotation of the intestines. *Northwest M.*, 1937, 36: 425-7.—Rubin, E. L. Radiological aspects of anomalies of intestinal rotation. *Lancet*, Lond., 1935, 2: 1222-6.—Soli, D. Contributo allo studio clinico e radiologico delle anomalie congenite di sede dell'intestino. *Clin. chir.*, Milano, 1931, 34: 1124-32.—Thomson, J. W. A case of non-rotation of the mid-gut. *Brit. J. Surg.*, 1928-29, 16: 332.—Torroella, E. Ausencia de torsión del intestino. *Rev. cienc. méd.*, Habana, 1939, 2: 1-5.—Trempe, F. Anomalie de l'intestin par défaut de rotation. *Bull. Soc. méd. hôp. Québec*, 1933, 225-9.—Wakefield, E. G., & Mayo, C. W. Intestinal obstruction produced by mesenteric bands in association with failure of intestinal rotation. *Arch. Surg.*, 1936, 33: 47-67.—Walker, H. B. Note on a case of abnormal intestinal rotation. *Edinburgh M. J.*, 1926, n. ser., 33: 725-8.—Woolsey, R. A. Non-rotation of the mid-gut. *Internat. J. Surg.*, 1927, 40: 314-6.

Abnormity: Occlusion [incl. atresia and stenosis]

GATEAU, M. J. *Contribution à l'étude des occlusions intestinales du nouveau-né par malformation congénitale. 54p. 8° Par., 1935.

HEILMANN, A. *Die angeborenen Stenosen und Atresien des Darmkanals (mit einem eigenen Fall) [Heidelberg] 23p. 21½cm. Kaiserslautern, 1935.

HENNES, P. *Ueber angeborene Darmstenosen [Leipzig] p.764-84. 8° Berl., 1928.

Also *Virchows Arch.*, 1928-29, 270.

Baron, F. Deux cas d'oblitération congénitale de l'intestin. *Nourrisson*, 1940, 28: 189-92.—Baty, J. M. Congenital atresia of the intestine. *Am. J. Dis. Child.*, 1929, 37: 591-5.—Brachetto-Brian, D., & Bettinotti, S. I. Malformación congénita de intestino: atresia y estenosis congénita del yeyunoilón; estenosis de resto. *Sem. méd.*, B. Air., 1927, 34: pt. 2, 1740-4.—Brandsch, K. Geburtsverzögerung durch angeborene Darmatresie. *Zbl. Gyn.*, 1937, 61: 573-7.—Clagett, O. T. Congenital atresia and perical testis: report of cases. *Proc. Mayo Clin.*, 1938, 13: 264-8.—Colavecchio, A. Sulla atresia intestinale congenita. *Clin. ostet.*, 1934, 36: 684-92.—Fennel, E. A.

Familial congenital atresia of the intestine. Tr. Chicago Path. Soc., 1931, 13: 539.—Gardner, C. E., jr., & Hart, D. Anomalies of intestinal rotation as a cause of intestinal obstruction; report of 2 personal observations; review of 103 reported cases. Arch. Surg., 1934, 29: 942-81.—Gorokowa, M. Zwei Fälle angeborener Darmatresie. Jap. J. M. Sc., 1934-36, 4: Surg., 270.—Hunt, H. B. Roentgenological aspects of the congenitally small colon and of intestinal occlusions; with report of 5 cases. Am. J. Roentg., 1939, 41: 564-74.—Ladd, W. E., & Gross, R. E. Congenital atresia of the intestine and colon. In their Abdom. Surg. Infancy, Phila., 1941, 25-43. — Congenital stenosis of the intestine and colon. Ibid., 44-52.—Maldague, L. Interruption congénitale de l'intestin causée par une invagination. Bull. Soc. pédiat. Paris, 1929, 27: 464-72.—Martin, J. D., jr., & Elkin, D. C. Congenital atresia of the intestine. Ann. Surg., 1937, 105: 192-8.—Nahrath, H. Vier Fälle angeborener Darmverschlüsse. Virchows Arch., 1929, 273: 747-66.—Nast & d'Halluin. Oblitération congénitale de l'intestin. Mém. Acad. chir., Par., 1936, 62: 971-4.—Schmidt, R. Ueber kongenitale Atresien des Darmkanals. Münch. med. Wschr., 1926, 73: 1052. — Beitrag zur Kenntnis der kongenitalen Darmatresien. Arch. klin. Chir., 1927-28, 149: 510-22.—Shashine, M. I. [A case of intestinal atresia in a new-born] Vrach. gaz., 1928, 32: 1366.—Shaw, C. C. Congenital atresia of the intestines: report of 2 cases. Bull. School M. Univ. Maryland, 1932, 17: 67-75.—Toback, A. Ueber angeborene Verschlüsse (Atresien) des Darmrohres (gleichzeitig ein Beitrag zur Frage der Entstehung der Meconiumkörperchen) Virchows Arch., 1927, 265: 330-53.—Webb, C. H., & Wangenstein, O. H. Congenital intestinal atresia. Am. J. Dis. Child., 1931, 41: 262-84.

Abnormity: Volvulus.

Bohème & Lévy. Malformation intestinale et volvulus chez un nouveau-né. Bull. Soc. obst. gyn. Paris, 1928, 17: 663-5.—Chekan, S. T. [Case of congenital volvulus] Vrach. delo, 1939, 21: 267.—Rudberg, S. Volvulus hos nyfödd. Nord. med., 1941, 9: 527.—Sala, A. M., & Nachamie, I. Prenatal volvulus of small and large intestine caused by a mesenteric cyst. Arch. Path., Chic., 1929, 8: 180-6.—Schram Andersen, J. Un cas rare de volvulus chez un nourrisson, volvulus congénital. Rev. fr. pédiat., 1929, 5: 622-9.—Siddiqi, M. A. H. Volvulus in a newborn child. Ind. M. Gaz., 1934, 69: 264.—Skinner, A. H. Volvulus neonatorum. China M. J., 1930, 44: 53-5.—Spencer, F. M. Volvulus neonatorum. Brit. M. J., 1927, 1: 1005.—Steinke, C. R., & Pinkerton, C. C. Volvulus neonatorum due to anomalous intestinal rotation; report of a case. Tr. Physicians Mayo Clin. (1926) 1927, 7: 172-4.—Thompson, H. C., jr. Intestinal obstruction in the newborn due to volvulus; report of case. Arch. Pediat., N. Y., 1940, 57: 234-40.—Valkányi, R. L'origine du volvulus congénital. Paris méd., 1926, 59: 95-8.—Voss, E. A. Demonstration eines Säuglings mit angeborenem Volvulus. Mschr. Kinderh., 1939, 79: 403-6.—Walters, C. H. A. Congenital atresia and volvulus of the intestine (with report of a case) Canad. M. Ass. J., 1937, 37: 168-71.—Wershub, L. P. Volvulus neonatorum. Am. J. Surg., 1935, 29: 128; 135.

Absorption.

See also subheadings (Digestion; Physiochemistry; Pressure) also Chyle; Digestion; Metabolism; also under names of substances as Glucose, Absorption, etc.

RIEHELMANN, W. *Wirken spezifische Triebkräfte bei der Flüssigkeitsresorption aus dem Säugerdarm? 22p. 8°. Frankf. a. M., 1937.

VERZÄR, F. Absorption from the intestine. 294p. 8°. Lond. [1936]

Althausen, T. L. A test for intestinal absorption. Am. J. Digest. Dis., 1939-40, 6: 544-9.—Alvarez, W. C. Studies on intestinal absorption; a search for a low residue diet. Proc. Mayo Clin., 1927, 2: 317.—Bergeim, O. Intestinal chemistry; carbohydrates and calcium and phosphorus absorption. J. Biol. Chem., 1926, 70: 35-45. — Intestinal chemistry; the absorption of calcium and phosphorus in the small and large intestines. Ibid., 51-8.—Brull, L., & Barac, G. Assimilation intestinale des lipides et absorption du calcium. C. rend. Soc. biol., 1938, 127: 820.—Cutting, R. A. Absorption of dextrose and water by the small intestine and the colon; an experimental study. Arch. Surg., 1934, 29: 643-60.—Cytronberg, S. Recherches expérimentales sur la résorption intestinale de la glucose et de la fructose. Bull. internat. Acad. polon. sc., 1930, 351-6.—Dennis, C., & Visscher, M. B. The influence of various factors upon intestinal absorption involving osmotic work in the unanesthetized dog. Am. J. Physiol., 1940, 129: 176-81.—Eiler, J. J., Stockholm, M., & Althausen, T. L. The effect of the rate of absorption of glucose on the phosphates in the intestinal mucosa. J. Biol. Chem., 1940, 134: 283-91.—Farkas, G., & Gordon-Königs, H. Comparative studies on intestinal resorption. Proc. Internat. Physiol. Congr. (1935) 1938, 15. Congr., 149.—Fisher, V. Absorption of yeast from the large intestine. Proc. Soc. Exp. Biol., N. Y., 1932, 29: 490-4.—Garry, R. C., & Smith, I. A. Factors affecting absorption of sodium dl-mandelate from the intestine of cats. J. Physiol., Lond., 1942-43, 101: 484-8.—Gellhorn, E., &

Northup, D. The relation between circulatory rate and absorption in the gut. Am. J. Physiol., 1934, 108: 469-75.—Gellhorn, E., & Skupa, A. The K-CA antagonism in regard to absorption from the intestine. Ibid., 1933, 106: 318-22.—Goldfarb, W., & Golden, M. Absorption of carbohydrates in humans. Proc. Soc. Exp. Biol., N. Y., 1942, 51: 134-6.—Hosoi, K., Alvarez, W. C., & Mann, F. C. Intestinal absorption; a search for a low residue diet. Arch. Int. M., 1928, 41: 112-26.—Isawa, S. Experimentelle Studien über den Einfluss verschiedener Hormone auf die Resorption im Darm; über die Resorption des Traubenzuckers. J. Chosen M. Ass., 24: 73.—Jordan, H. J., & Begemann, H. Ueber die Bedeutung des Darmes von Ileix pomatia; ein Beitrag zur vergleichenden und allgemeinen Physiologie der Resorption. Zool. Jahrb., 1921, 38: 565-82.—Kagan, M. Zur Kenntnis der Farbstoffresorption durch die Darmschleimhaut; Versuche mit Trypanblau-einführung in den Darm bei Mäusen. Zschr. Zellforsch., 1927, 5: 665-74.—Kato, S. Experimentelle Studie über die Resorption des Darmrohres. Acta paediat. jap., 1939, 45: 84 (Abstr.).—Kawamura, K., Matsuge, T., & Matuura, M. Studien über gegenseitige Verhältnisse zwischen Resorption aus dem Darmtraktus und aus der Darmserosa. Mitt. Med. Akad. Kyoto, 1937, 20: 858.—Kawawaki, S. Experimental studies in the absorption of pigment by the intestines. Jap. J. Gastroenter., 1933, 5: 101-10.—Keller, W. Ueber enterale Resorption, Klin. Wschr., 1932, 11: 855.—Kimura, G. Studies on absorptivities of the skin and the mucous membrane of the intestinal canal. Orient. J. Dis. Inf., Kyoto, 1940, 27: 7-21.—Kokas, E., & Ludány, G. Relation between the villi and the absorption of glucose from the intestine. Q. J. Exp. Physiol., Lond., 1938-39, 28: 15-22.—Lark-Horovitz, K., & Leng, H. R. Radioactive indicators, enteric coatings and intestinal absorption. Nature, Lond., 1941, 147: 580.—Lasch, F. Resorptionsversuche am isolierten, überlebenden Darm. Biochem. Zschr., 1926, 169: 292-300.—Laszt, L., & Süllmann, H. Nachweis der Bildung von Phosphorsäureestern in der Darmschleimhaut bei der Resorption von Zuckern und Glycerin. Ibid., 1935, 278: 401-17.—Leo, E., & Bergmann, F. von. Ueber Wasserresorption und Gerbstoffwirkung am Meerschweinchen Darm. Arch. exp. Path., Berl., 1936, 181: 625-9.—Ludány, G. Die Wirkung der Blutdruckzügler auf die Zuckerresorption aus dem Darm. Arch. ges. Physiol., 1939-40, 243: 773-7 (microfilm).—McCance, R. A., & Madders, K. The comparative rates of absorption of sugars from the human intestine. Biochem. J., Lond., 1930, 24: 795-804.—McIntosh, J. F. Intestinal absorption; a review of the work of Verzar and his school. Canad. M. Ass. J., 1938, 39: 486-8.—Miyasawa, K. The behavior of fine structures of protoplasm during absorption of the intestinal epithelium. Tr. Jap. Path. Soc., 1931, 21: 255-60.—Nasset, E. S., & Parry, A. A. Passage of fluid and certain dissolved substances through the intestinal mucosa as influenced by changes in hydrostatic pressure. Am. J. Physiol., 1934, 109: 614-25.—Oehnell, R. The artificially perfused mammalian intestine as a useful preparation for studying intestinal absorption. J. Cellul. Physiol., 1939, 13: 155-9.—Ostern, P. [Resorption in the intestines] Polska gaz. lek., 1934, 13: 537-9.—Peters, H. C. Application of the general fluid circuit theory to the chloride-bromide-deuterium oxide experiment. Bull. Math. Biophys., 1941, 3: 149-52. — & Visscher, M. B. On the mechanism of active absorption from the intestine. J. Cellul. Physiol., 1939, 13: 51-67.—Quadri, S. Ricerche sul potere assorbente della mucosa intestinale allo stato fisiologico. Clin. pediat., Mod., 1933, 15: 277-95.—Rothschild, G., & Cera, B. Ueber die gleichzeitige Resorption von Proteiden und Zuckern aus einer Vellachse Darmschlinge. Biochem. Zschr., 1938, 299: 307-10.—Salvioli, G. Indagini sul potere assorbente della mucosa intestinale nel vivente. Pediatria (Riv.) 1933, 41: 314-32.—Scheer, K. Ueber die Resorptionsfähigkeit der Darmwand für Wasserstoffionen. Klin. Wschr., 1929, 8: 1757-9.—Sulze, W. Ueber Resorptionsgeschwindigkeit. Abstr. Internat. Physiol. Congr., 1929, 13. Congr., 263.—Tchang-Yung-Tai. Sur la localisation de l'absorption intestinale et le comportement des cellules absorbantes chez les chenilles d'un lépidoptère (Galleria mellonella L.). C. rend. Acad. sc., 1929, 188: 93-5.—Törö, I. [Rôle of cell granules in intestinal resorption] Magy. orv. arch., 1930, 31: 132-60, 6 pl. Also Zschr. ges. Anat., 1. Abt., 1931, 94: 1-38.—Verzar, F. Die Resorption aus dem Darm. In Handb. norm. path. Physiol. (Bethel, von Bergmann, et al.) Berl., 1929, 4: 3-81. Also Klin. Wschr., 1931, 10: 1-5. — Probleme und Ergebnisse auf dem Gebiete der Darmresorption. Erg. Physiol., 1931, 32: 391-471. — Ueber die Kräfte der Resorption aus dem Darm. Klin. Wschr., 1933, 12: 489-94. — Die Aktivität der Darmschleimhaut bei der Resorption. Schweiz. med. Wschr., 1935, 65: 569-76. — Adrenal cortex and intestinal absorption. Am. J. Digest. Dis., 1937-38, 4: 545. — & Laszt, L. Die Resorption aus dem Darm von isotonischen Lösungen von Glucose und Sorbose, verglichen mit der von Natriumsulfat. Biochem. Zschr., 1935, 276: 28-39.—Visscher, M. B. Intestinal absorption as a clinical physiological problem. Proc. Internat. Postgrad. M. Ass. N. America (1940) 1941, 60-5. — & Roepke, R. R. Studies of osmotic activity of fluids undergoing absorption in the intestine. Am. J. Physiol., 1940, 129: 486.—Vank, H. J., jr. [Rôle of Lieberkühn's crypts on the absorption of food in fish] Ned. tschr. geneesk., 1927, 71: pt 1, 993-5.—Wallbach, G. La thérapie d'absorption intestinale d'après des examens biologiques. Schweiz. med. Wschr., 1939, 69: 1335.—Wells, H. S. The passage of materials through the intestinal wall; the osmotic pressure of the colloids of lymph from the lacteals as a measure of the absorbing force

of the intestine. *Am. J. Physiol.*, 1932, 101: 434-45.—**Westenbrink, H. G. K.** Ueber die Anpassung der Darmresorption an die Zusammensetzung der Nahrung. *Arch. néerl. physiol.*, 1934, 19: 563-83. Also *Acta brev. neerl.*, 1934-35, 4: 42-4. Weitere Untersuchungen über die Darmresorption. *Ibid.*, 1935, 5: 158-60.—**Zaiko, N. N.** [Absorption of water from the intestinal tract and its distribution in the body, according to experiments on anastomosed animals] *Ark. biol. nauk*, 1935, 39: 219-26.

Absorption: Disorder.

See also Deficiency disease.

Beams, A. J., Free, A. H., & Glenn, P. M. Intestinal absorption of galactose in deficiency diseases. *Clin. Bull., Cleveland*, 1942, 6: 67-9.—**Boldyreff, E. B.** Destruction of erythrocytes in the blood by acids absorbed from intestine. *Papers Michigan Acad. Sc.*, 1928, 8: 365-8.—**Buchwald, K. W.** The influence of X-ray lesions of the intestinal mucosa on absorption of glucose, and other sugars. *J. Exp. Med.*, 1931, 53: 827-33.—**Clark, W. G. & Mackay, E. M.** Influence of adrenalectomy upon the rate of glucose absorption from the intestine. *Am. J. Physiol.*, 1942, 137: 104-8.—**Davis, T. D.** Deficiency disease the result of interference with absorption from the gastro-intestinal tract; case reports. *Phi Chi Q.*, Menasha, 1938, 35: 387-92.—**Dennis, C. & Wood, E. H.** Intestinal absorption in the adrenalectomized dog. *Am. J. Physiol.*, 1940, 129: 182-90.—**Free, A. H., & Leonard, J. R.** The effect of vitamin B deficiency on the intestinal absorption of galactose in the rat. *J. Nutr.*, 1942, 24: 495-502.—**Gigon, A.** Ueber Resorptionsstörungen im Darm und ihre Behandlung. *Helvet. med. acta*, 1936, 3: 627-51.—**Houssay, B. A., Foglia, V. G., & Fustinoni, O.** Absorption intestinale des sucres chez le crapaud *Bufo arcanum* Hensel en insuffisance hypophysaire ou surrénale. *Arch. internat. physiol.*, Liège, 1941, 51: 1-12 (microfilm).—**Meyer, J., Sorter, H.** [et al.] Intestinal absorption in old age. *Proc. Centr. Soc. Clin. Res.*, 1942, 15: 55.—**Pauls, F., & Drury, D. R.** The rate of glucose absorption from the intestine of diabetic rats. *Am. J. Physiol.*, 1942, 137: 242-5.—**Seyderhelm, R.** Störungen in der Darmresorption. In *Handb. norm. path. Physiol.* (Bethe, von Bergmann, et al.) Berl., 1929, 4: 82-99.—**Sikuma, K.** Ueber die Darmresorption von Traubenzucker sowie Glykokoll bei verschiedenen Ernährungszuständen. *Acta med. nagasaki.*, 1939, 1: Suppl. 3.—**Snell, A. M.** Sprue and related diseases affecting intestinal absorption. *Bull. Minnesota M. Found.*, 1939-40, 1: 8-13.—**Stein, L., & Wertheimer, E.** Effect of adrenalectomy on intestinal absorption involving osmotic work in rats. *Proc. Soc. Exp. Biol.*, N. Y., 1941, 46: 172-4.—**Verzár, F.** Die Pathologie der Darmresorption. *Internat. med. Wschr.*, 1935, 65: 1093-7.—**Zetzel, L., Banks, B. M., & Sagall, E.** Intestinal absorption of an amino-acid mixture in patients with chronic idiopathic ulcerative colitis and enterocolitis. *Am. J. Digest. Dis.*, 1942, 9: 350-2.

Absorption: Pharmacology.

Endo, N., Mizoguti, T., & Naito, K. Influence of oral administration of saponin upon intestinal absorption. *Jap. M. World*, 1929, 9: 35-8.—**Gardner, J. W., & Burget, G. E.** The influence of calcium and potassium upon intestinal absorption. *Am. J. Physiol.*, 1938, 121: 475-80.—**Isawa, S.** [Experimentelle Studien über den Einfluss verschiedener Hormone auf die Resorption in Darm; über die Resorption der Aminosäure] *J. Chosen M. Ass.*, 1934, 24: 1332-42.—**Kofler, L.** Die Förderung der Darmresorption durch Saponine. *Etschland. Aerztebl.*, 1928, 7: 313.—**Lasch, F.** Resorptionsversuche am isolierten, überlebenden Darm, der Einfluss von Saponin auf die Resorption von Calcium. *Biochem. Zschr.*, 1926, 169: 301-7.—**Brügel, S.** Resorptionsversuche am isolierten überlebenden Darm; der Einfluss von Saponin auf die Resorption von Zuckerlösungen. *Ibid.*, 1926: 422-7.—**Liaci, L.** Influenza di alcune sostanze antipiretiche sull'assorbimento intestinale, su vari componenti urinari e su alcune costanti fisico-chimiche del sangue. *Arch. ital. sc. farm.*, 1939, 8: 213-41.—**Ludány, G., & Sütő-Nagy, G.** [Magnesium and the resorption of sugar from the intestine] *Magy. orv. arch.*, 1940, 41: 461-4.—**Murlin, J. R.** The influence of acid and alkali on the absorption of glucose from the intestine. *Proc. Am. Soc. Biol. Chem.*, 1916, 4: 25.—**Oehnell, R., & Höber, R.** The effect of various poisons on the absorption of sugars and some other non-electrolytes from the normal and the isolated artificially perfused intestine. *J. Cellul. Physiol.*, 1939, 13: 161-74.—**Peters, H. C.** The influence of bile salts on active intestinal absorption of chloride. *Am. J. Physiol.*, 1942, 136: 340-5.—**Sioya, N.** Beiträge zur Pharmakologie des ausgeschnittenen Darnes; Pharmakologie der Resorption des ausgeschnittenen Darnes. *J. Chosen M. Ass.*, 1929, 19: 353-6.—**Sternasty, F. C., & Felicelli, N. M.** Influence of saponin on absorption of calcium salts from the intestine. *Proc. Soc. Exp. Biol.*, N. Y., 1932, 29: 1101.—**Titaev, A. A.** [Effect of acids and salts on the absorption of peptones and simultaneous changes of the intestinal potential] *Biull. eksp. biol. med.*, 1941, 11: 131-4.

Actinomycosis.

See also Actinomycosis.

Burwell, W. K. A probable case of actinomycosis. *Bull. Vancouver M. Ass.*, 1942-43, 19: 77.—**Liek, E.** Zur Kenntnis der Darmaktinomykose. *Med. Klin., Berl.*, 1918, 14: 39.—

Nathan, H. Ueber den Ausbreitungsweg der primären intestinalen Aktinomykose. *Klin. Wschr.*, 1930, 9: 1543-5.—**Suprazhinsky, V. N.** [Two cases of actinomycosis of the ileocecal region] *Sovet. khir.*, 1934, 6: 723-8.

Adenoma.

See Intestine, Polyposis.

Adhesion.

See also subheadings (Perienteritis; Strangulation) also Ileus; Peritonitis; Perivisceritis.

Adler, A. Interessante und seltene Komplikation eines Adhäsionsileus. *Zbl. Chir.*, 1935, 62: 2059.—**Babini, R., & Ortali, O.** La membrana pericolicca. *Gazz. osp.*, 1930, 51: 233; 265.—**Benedict, A. L.** Intestinal adhesions, and the report of a case illustrating elasticity of the hepatic support (hepatoptosis). *Internat. Clin.*, 1905, 15, ser. 1: 74-80.—**Blumensaat, C.** Der Bauchdeckenreflex, ein Hilfsmittel bei der röntgenologischen Beurteilung schmerzhafter Darm-Bauchwandverwachsungen. *Arch. orthop. Unfallchir.*, 1934-35, 35: 114.—**Der Bauchdeckenreflex als Hilfsmittel bei der röntgenologischen Beurteilung erworbener Darm-Bauchwandadhäsionen.** *Zbl. Chir.*, 1934, 61: 2555-7.—**Campbell, W. F.** Intestinal ankylosis. *Med. Times, N. Y.*, 1913, 41: 357.—**Lane-kink.** *Ibid.*, 1914, 42: 378.—**Connell, F. G.** Ileocecal adhesions (Lane's kink, and Jackson's membrane) *Surg. Gyn. Obst.*, 1911, 13: 485-91.—**Costantini, P.** La fissazione deliberata degli organi addominali in casi di incarceramenti ed occlusioni per peritonite adesiva osservazioni cliniche. *Policlinico*, 1928, 35: sez. prat., 753-6.—**Craig, D. H.** The prevention of post operative intestinal paresis and adhesions. *Am. J. Obst.*, 1904, 49: 449-61.—**Dupuy de Frenelle.** Membrane de Jackson et appendicite et pèriptyphlocolite. *J. méd. Paris*, 1927, 46: 339.—**Echeverri Marulanda, A.** Adherencias periceclicas. *Repert. med. cir.*, Bogotá, 1922-23, 14: 449-53.—**Federici, W.** Laparotomia per placche adesive infiammatorie nella cavità peritoneale, specialmente come esito di parafistole e periappendicite. *Gazz. osp.*, 1911, 32: 147.—**Folty, R. E. M.** Considérations générales sur les adhérences intra-péritoneales douloureuses de l'intestin. *Arch. méd. pharm. mil.*, 1905, 45: 400-9.—**Gauthier, M.** Membrane de Jackson. *Arch. fr. belg. chir.*, 1923, 26: 262-4.—**Graves, J. Q., & Snelling, J. G.** Ileocecal membranes. *Tristate M. J.*, 1934, 6: 1353.—**Griffault, H.** Adhérences intestinales et laparotomie. *Bull. Soc. centr. méd. vét.*, Par., 1910, 64: 365-73.—**Hamill, S. McC., & Stewart, F. T.** Case of intestinal adhesion of traumatic origin. *Arch. Pediat.*, N. Y., 1904, 21: 301.—**Jackson, J. M.** Medical aspects of intestinal adhesions and ptoses. *Med. Commun. Massachusetts M. Soc.*, 1912, 23: 113-26.—**Jewett, C. H.** More about intestinal adhesions. *Clifton M. Bull.*, 1929, 15: 24-8.—**Jünemann, W. A.** Obstrucción intestinal por aglutinación. *Arch. méd.*, Santiago, 1938, 5: No. 6, 27-9.—**Keilty, R. A., & Smith, A. J.** Intestinal stasis, bands, kinks and membranes from a study of 100 autopsies. *Proc. Path. Soc. Philadelphia*, 1915, n. ser., 17: 67.—**Kohlmann, W.** Ileocecal adhesions (Lane's Kink). *South. M. J.*, 1912, 5: 646-50.—**Latchmore, A. J. C.** Prevention of acute adhesive obstruction. *Lancet*, Lond., 1940, 2: 713.—**Leigh, S.** Can intestinal adhesions be delayed? *Virginia M. Month.*, 1933, 60: 18.—**Limite, C.** Contributo clinico ed anatomo-patologico alla conoscenza della membrana di Jackson. *Osp. maggiore, Milano*, 1936, 24: 157-65.—**Long, J. H.** A case of Jackson's membrane and mobile cecum. *Long Island M. J.*, 1914, 8: 113.—**Mallory, T. B.** Intestinal obstruction due to postoperative adhesions. *N. England J. M.*, 1941, 225: 233-5.—**Martin Gil, R.** La membrana pericólica de Jackson. *Rev. med. cir. práct.*, Madr., 1914, 103: 218-20.—**Murphy, J. B.** Pericholecystic and pericolic adhesions, release; omentectomy; obliterative appendicitis and pylorospasm; appendicectomy. *Surg. Clin. Chicago*, 1915, 4: 897-905.—**Mutel & Fourche.** Le pli pariéto-colique (membrane de Jackson) *Rev. chir.*, Par., 1922, 60: 509-35.—**Nasseti.** Sugli esiti remoti delle autoplastiche peritoneali secondo Taddei per la cura delle membrane pericoliche. *Ann. ital. chir.*, 1923, 2: 1138.—**O'Brien, H. J.** Jackson's veil. *S. Paul M. J.*, 1915, 17: 297.—**Pfahler, G. E.** Adhesions and constrictions of the bowel; their demonstration and clinical significance. *J. Am. M. Ass.*, 1912, 59: 1770-5.—**Reid, D. G.** A note on a large intra-abdominal pelvic colon and on the aetiology of peritoneal adhesions. *J. Anat.*, Lond., 1909, 43: 308.—**Reschke, K.** Ueber die Behandlung des Adhäsionsileus im Verlaufe schwerer intraperitonealer Entzündungen. *Deut. med. Wschr.*, 1931, 57: 314-7.—**Rosas Cordóvez, J.** Las bridas pericolicas. *Rev. méd. Colombia*, 1932, 2: 286-9.—**Ross, K.** Local plastic peritonitis, possibly due to incarceration of intestine in a hernia, causing intestinal obstruction. *Brit. J. Surg.*, 1935-36, 23: 867.—**Schöne, G.** Ueber die Behandlung des Adhäsionsileus im Verlaufe schwerer intraperitonealer Entzündungen. *Deut. med. Wschr.*, 1929, 55: 520-2.—**Shutt, C. H.** Pericolic adhesions; a factor in nonrelief of symptoms following operations for chronic appendicitis. *J. Missouri M. Ass.*, 1929, 26: 172-4.—**Stuchinsky, B. G.** [Acute intestinal obstruction due to adhesions] *Vest. khir.*, 1938, 56: 482-94.—**Verbruyck, J. R., jr.** Adhesions of cholecysto-hepatic flexure; new syndrome with specific test. *J. Am. M. Ass.*, 1940, 114: 314-6.—**Virgiano, D., & Iacuco, L.** Correction and prevention of intestinal adhesions. *Am. J.*

Surg., 1942, 58: 121.—Weber, L. Ein Fall von Darmadhäsion mit chronischer Obstruktion auf operativem Wege geheilt. N. York. med. Mschr., 1905, 17: 119. — An interesting case of adherent intestine, cured by operation. Postgraduate. N. Y., 1905, 20: 372-4.—Weltner, L. [Ileus from adhesion] Gyógyászat, 1937, 77: 676-8.—Wilcox, De W. The avoidance of intestinal adhesions following abdominal sections. Tr. Am. Inst. Homeop., 1905, 61: 648-55.—Winthrop, G. J. Cecal and pericecal adhesions. Tr. M. Ass. Alabama, 1913, 261-6.—Zaffagnini, A. Sindrome occlusiva periodica da membrana di Jackson (nota clinica) Riforma med., 1925, 41: 148-51.

Allergy.

See Allergy, gastrointestinal.

Amebiasis.

See Dysentery, amebic.

Angioma.

LE FOLL, M. *Le lymphangiome intestinal. 61p. 8° Par., 1934.

Ackerman, L. V. Cavernous hemangiomas of small and large bowel. Am. J. Cancer, 1937, 30: 753-7.—Amundsen, P. [Case of multiple hemangioma in the intestinal tract] Norsk. mag. laegevid., 1938, 99: 278-81.—Bensaude, R., Hillemand, P., & Genestoux, J. M. Un nouveau cas d'angiomes circonscrits du tractus intestinal. Arch. mal. app. digest., Par., 1935, 25: 95-7.—Borown, A. J. Vascular tumors of the intestine. Tr. West. Surg. Ass. (1923) 1924, 33: 201-18.—Brulé, M., Hillemand, P., & Hamburger, J. Un cas d'angiomes circonscrits multiples du tractus intestinal. Arch. mal. app. digest., Par., 1934, 24: 1078-84.—Hanke, H. Hämangiomatose des Darmes. Deut. Zschr. Chir., 1936, 248: 52-4.

Atony and stasis.

See also Aerophagy; Constipation; Emaciation; Ileus, paralytic; Intestine, Occlusion, etc.

Bécart. Vaccination locale de l'intestin par instillation duodénale. Bull. Soc. méd. Paris, 1929, 225-8.—Ferguson, S. E. Intestinal atony in old dogs. North. Am. Vet., 1941, 22: 361-3.—Fisher, A. R. Enterotherapy in the prevention of chronic intestinal stasis. Trained Nurse, 1926, 76: 24-8.—Laboulaye. Maladie de Lane chez les jeunes soldats. Bull. Soc. méd. mil. fr., 1926, 20: 171-3.—Lane, A. Intestinal stasis. Canad. J. M. & S., 1926, 59: 19-22. Also Mod. J. & Rec., 1929, 130: 323-5.—Tsuulopulos, G. Sexualhormone und Darmtätigkeit unter besonderer Berücksichtigung der Schwangerschaftsdarmatonie. Arch. Gyn., Berl., 1939, 168: 608-55.

Atresia.

See Intestine, Abnormity; Occlusion; also Intestine, Stenosis.

Bacteria.

See also subheadings (Disinfection; Infection; Toxemia) also Feces, Bacteriology; also names of intestinal bacteria as Clostridium; Colon bacillus; Enterococcus; Fusobacillus; Ristella, etc.

LEVIN, E. Bakteriologiska tarmundersöknin-gar. 67p. 31½cm. Stockh., 1903.

Arnold, L. Are bacteria killed in the intestinal tract? Nation's Health, Chic., 1926, 8: 671.—Bachmann, A. Microbiología del intestino. Prensa méd. argent., 1939, 26: pt 2, 2196-202.—Benson, R. L. Allergic relations of normal and abnormal floras of the intestine. J. Allergy, 1934, 5: 152-65.—Bruynoghe, R. Les microbes de l'intestin; leur nombre; leur provenance; leur rôle. Rev. méd., Louvain, 1932, 321-7.—Calliero, C. Ricerche batteriologiche sugli streptococchi dell'intestino. Boll. Soc. med. chir., Pavia, 1926, n. ser., 1: 1485-535.—Castellani, A. Observations on a little-known group of anaerogenic intestinal bacteria. Proc. R. Soc. M., Lond., 1926-27, 20: Sect. Path., 21-8. — The classification of certain groups of intestinal bacteria belonging to the family Bacillaceae; tribe Ebertheae and tribe Encapsulateae. J. Trop. M. Hyg., Lond., 1938, 41: 325; 344; 362.—Cooke, J. V., & Keith, H. R. A type of urea-splitting bacterium found in the human intestinal tract. J. Bact., Balt., 1927, 13: 315-9.—Drobinsky, I. R. [Prognostic significance of the aspect of the intestinal flora] Vrach. delo, 1938, 20: 23-30.—Gohar, M. A. Untersuchungen über die Streptokokken der unteren Darmabschnitte. Zbl. Bakt., 1. Abt., 1935, 134: 8-13.—Manzini, C. Recherches sur la flore bactérienne aérobie de l'intestin; recherches quantitative et qualitative. Boll. Sez. ital. Soc. internaz. microb., 1936, 8: 47-9. Also Boll. Ist. sieroter. milan., 1936, 15: 277-90.—Nedzel, A. J., & Arnold, L. Influence of eggwhite upon the elimination of bacteria into the intestinal tract. Proc. Soc. Exp. Biol., N. Y., 1930-31, 28: 360.—Stransky, E.

Experimentelle Untersuchungen über Darmbakterien. Med. Klin., Berl., 1926, 22: 154. — Les microbes intestinaux et leur signification clinique chez le nourrisson. Rev. fr. pédiat., 1928, 4: 143-69. — & Trias, A. Experimentelle Untersuchungen über Darmbakterien. Abh. Kinderh., 1926, H. 10, 1-44, 7 ch.—Svartz, N. Variations expérimentales provoquées concernant la forme et la coloration des bactéries intestinales iodophiles. Acta med. scand., 1926, Suppl. 16, 407-13. — Etude sur les bactéries intestinales iodophiles et spécialement sur les clostridies iodophiles. Ibid., 1927, Suppl. 20, 1-149, 11 pl.—Thompson, A. E., Einhorn, M., & Coleman, W. Studies on the flora of the intestinal tract. Med. J. & Rec., 1930, 132: 417-23.

Bacteria, anaerobic.

Gusarschik, W. Zur Frage der anaeroben Flora des menschlichen Darms, unter besonderer Berücksichtigung des Bacillus Fraenkel. Zschr. Hyg., 1927, 107: 288-94.—King, J. W., & Rettger, L. F. Gram-positive non-sporulating anaerobic rod-shaped bacteria of the intestinal tract. J. Bact., Balt., 1942, 44: 301-16.—Lewis, K. H., & Rettger, L. F. Non-sporulating anaerobic bacteria of the intestinal tract; occurrence and taxonomic relationships. Ibid., 287-307. — & Bedell, M. Non-sporulating anaerobic bacteria of the intestinal tract; growth-facilitating factors. Ibid., 1940, 40: 309-20.—Lieb, C. W., Chapman, G. H. [et al.] Bacteriology of the intestinal tract in certain chronic diseases; sporulating anaerobes, aciduric organisms and colon group. Rev. Gastroenter., 1938, 5: 142-9.

Bacteria: Biology.

Aitoff, M., & Dobkevitch, H. De la survivance de quelques microbes intestinaux dans l'eau. C. rend. Soc. biol., 1935, 119: 1080-3.—Baumgärtel, T. Ueber die Bedeutung der Darmbakterien. Hippokrat., Stuttg., 1938, 9: 1136-9.—Bergeim, O., Hanszen, A. H. [et al.] Relation of volatile fatty acids and hydrogen sulphide to the intestinal flora. J. Infect. Dis., 1941, 69: 155-66.—Bettoni, I. Sull'attività proteolitica della flora batterica intestinale e sulla sua influenza nei riguardi della valutazione diagnostica del potere triptico nelle feci. Biochim. ter. sper., 1928, 15: 193-231.—Collella, C. Importanza degli autolisati batterici per lo sviluppo dei microrganismi intestinali. Gior. med. vet., 1929, 78: 357-62.—Cuboni, E. Eliminazione dei batteri estranei dall'intestino. Boll. Ist. sieroter. milan., 1927, 6: 73-8.—Dietary essentials and intestinal bacteria. Nutrit. Obs., Pittsb., 1943, 4: 3.—Douglas, M. Acid production in media containing carbohydrates by Gram-negative intestinal bacilli. J. Trop. M. Hyg., Lond., 1929, 32: 73-7.—Duchon, L. Les microbes du tube digestif: leur élimination urinaire. In Intoxic. & carences aliment. (M. Loeper) Par., 1938, 64-85.—Esselen, W. B., jr., & Fuller, J. E. The oxidation of ascorbic acid as influenced by intestinal bacteria. J. Bact., Balt., 1939, 37: 501-21.—Hamada, S. Ueber die Spaltungsfähigkeit der Darmbakterien auf einige Aminosäuren. Acta paediat. jap., 1939, 45: 50 (Abstr.). — Biochemische Untersuchung der Darmbakterien. Ibid., 55 (Abstr). — Hermann, S., Neiger, R., & Zentner, M. Säurewirkungen und Säureschicksal im Organismus; die Bedeutung der Darmbakterien. Arch. exp. Path. Lpz., 1938, 189: 539-46.—Kendall, A. I., Day, A. A., & Walker, A. W. Chemistry of the intestinal flora of nurslings; studies in bacterial metabolism. J. Infect. Dis., 1926, 38: 200-4. — Chemistry of the intestinal flora of normal adults; studies in bacterial metabolism. Ibid., 211-6. — Chemistry of the intestinal flora of man containing abnormal numbers of gas bacilli; studies of bacterial metabolism. Ibid., 217-21.—Kopeloff, N., & Beerman, P. The influence of L. acidophilus on the colon-aerogenes group in the intestine. J. Lab. Clin. M., 1925-26, 11: 1143-8.—Nedzel, A. J., & Arnold, L. Influence of eggwhite upon the cyclic circulation of bacteria in the splanchnic area. Proc. Soc. Exp. Biol., N. Y., 1930-31, 28: 361-4.—Nisimura, K. Biochemische Untersuchung der Darmbakterien. Acta med. nagasaki, 1939, 1: Suppl., 145-7.—Rochaix, A. A propos de l'action des germes intestinaux sur la gléose à l'esculine. C. rend. Soc. biol., 1935, 120: 217.—Roseberg, C. [Proteolytic properties of certain intestinal bacilli (B. cloacae, B. coli, B. proteus) of various origin cultivated in various temperatures] Med. dsw., 1935, 20: 108-12.—Schellberg, O. B. Bacterial mechanics in intestinal chemistry. Med. Rev. of Rev., 1927, 33: 208-22.—Semikoz, F. F. [Antagonism and symbiosis of intestinal microbes] J. mikrob., Moskva, 1941, No. 2, 51-67.—Shaw, B. H. On the production of formaldehyde by intestinal bacteria. Brit. M. J., 1924, 1: 461-3.—Sternfeld, L., & Saunders, F. The fermentation of mucic acid by some intestinal bacteria. J. Bact., Balt., 1938, 36: 53-6.—Upton, M. F. The effect of filtrates of certain intestinal microbes upon bacterial growth. Ibid., 1929, 17: 315-27.—Vitello, M. Ricerche sulla carica elettrica di alcuni germi intestinali. Gior. batt. immun., 1940, 24: 49-55.—Werch, S. C., Jung, R. W. [et al.] The decomposition of pectin and galacturonic acid by intestinal bacteria. J. Infect. Dis., 1942, 70: 231-42.—Young, R. M., & James, L. H. Studies in vitro on the stability of ascorbic acid toward intestinal microorganisms. J. Bact., Balt., 1940, 39: 23. — Action of intestinal microorganisms on ascorbic acid. Ibid., 1942, 44: 75-84.—Zanella, B. Sul potere procolitico di alcuni germi della flora intestinale e dei loro prodotti metabolici. Arch. ital. sc. farm., 1932, 1: 61-80.

Bacteria: Flora.

See also Intestine, Effect of diet.

BREIT, E. *Studien über die Darmflora des Menschen [Kiel] 37p. 8? Würzb., 1935.

FICHTER, H. *Untersuchungen über die Darmflora des hohen Greisenalters. 35p. 22cm. Freib. i. B., 1937.

Adam, A. Die Entstehung der Bifidusvegetation. *Jahrb. Kinderh.*, 1927, 3, F., 67: 15-32.—Baumgärtel, T. Ueber die Bedeutung der normalen Darmbakteriensymbiose. *Deut. med. Wschr.*, 1940, 66: 214-6.—Beregoff-Gillow, P. Observations on the intestinal flora found in Montreal. *Canad. M. Ass. J.*, 1936, 35: 421.—Castro Marçal, J. M. de. Da asepsia biológica dos intestinos pelos fermentos lacticos. *Fol. med.*, Rio, 1930, 11: 241-3. — A flora microbiana intestinal e a desinfecção biológica pelos fermentos lacticos. *Ibid.*, 1938, 19: 418; 427-30; 1939, 20: 23.—Di Jeva, A. Sulla flora intestinale anaerobica del lattante con speciale riguardo al *B. bifidus communis*. *Clin. pediat.*, Mod., 1930, 12: 42-53, 2 pl.—Fenyvessy, B. [The normal intestinal flora] *Orvosképzés*, 1939, 29: 709-14.—Ide, M. La flore intestinale. *Rev. méd.*, Louvain, 1923, 314-8.—Jordan, E. O., & McBroom, J. Notes on intestinal flora in the tropics. *Am. J. Trop. M.*, 1934, 14: 27-32.—Kendall, A. I. Intestinal flora. *Tr. Am. Proct. Soc.*, 1933, 34: 52-60.—Kiselev, P. N., Naumchenko, A. I., & Bakin, E. I. [Effect of the sympathetic nervous system on the microflora of the intestine] *J. mikrob.*, Moskva, 1940, No. 12, 70-6.—Klein, A. [Significance of normal intestinal bacteria] *Ned. tscr. geneesk.*, 1932, 76: pt 2, 3006-24.—Kleinschmidt, H. Die Bakterienbesiedlung des Darms beim neugeborenen Kinde. *Arch. Kinderh.*, 1934, 104: 47. Also *Mscr. Kinderh.*, 1934, 62: 14-23.—Lagrange, E. La flore intestinale. *Biol. méd.*, Par., 1928, 18: 49-73. Also *Biol. méd.*, Milano, 1928, 18: 191-216.—Laroche, C. La flore intestinale et la vie aseptique. *J. diét.*, Par., 1911, 2: 38-41.—Morell, T. Ueber die Bedeutung der normalen Darmbakteriensymbiose. *Deut. med. Wschr.*, 1939, 65: 1545-7.—Narishkina, L. P. [Intestinal flora in infants; material gathered from autopsies] *J. rann. detk. vozr.*, 1933, 13: 185-9.—Nemenow, M. I., Kupalow, P. S. [et al.] Einfluss des vegetativen Nervensystems auf die Darmmikroflora. *Zschr. ges. exp. Med.*, 1936, 99: 429-37.—Norsa, G. L'equilibrio microbico intestinale. *Gazz. osp.*, 1935, 56: 874-6.—Palesa, O., & Colarizi, A. Ricerche sulla flora entero-streptococcica nel bambino lattante e nel divrezzo. *Ann. igiene*, 1928, 38: 629-42.—Saggese, V. Contributo allo studio della flora micologica intestinale nei bambini. *Gior. batt. immun.*, 1933, 11: 1197-219.—Schieblch, M. Die Bedeutung der normalen Magendarmflora für den tierischen Organismus. *Berl. tierärztl. Wschr.*, 1929, 45: 729-33.—Stransky, E., & Maslowski, H. Weitere Untersuchungen über Darmbakterien; gleichzeitig, ein Beitrag zur Biologie des *Bacillus bifidus* (vorläufige Mitteilung) *Zschr. Kinderh.*, 1927, 43: 717-23.—Stransky, E., & Wasitzky, A. Ueber die biologische Bedeutung der Darmbakterien beim Brustkind. *Mscr. Kinderh.*, 1930, 47: 517-24.

Bacteria: Identification and isolation.

See also Intestine, Infection: Diagnosis.

Beeuwkes, H., & Bannink, F. A. [Use of glutaminic acid in a synthetic nutritive medium in biochemical investigation of pathogenic intestinal bacteria, and phenol-red as indicator in the lactose-agar plate] *Acta leiden.*, 1937-38, 12: 122-31. Also *Antonie van Leeuwenhoek*, 1938-39, 5: 35-42.—Guélin, A. Bile pure comme milieu d'isolement rapide de certaines espèces microbiennes anaérobies de la flore intestinale. *C. rend. Soc. biol.*, 1937, 126: 688.—Hershey, A. D., & Bronfenbrenner, J. The influence of the composition of the medium on the metabolism of some slow-lactose-fermenting bacteria of intestinal origin. *J. Bact.*, Balt., 1936, 32: 519-31.—Hynes, M. The isolation of intestinal pathogens by selective media. *J. Path. Bact.*, Lond., 1942, 54: 193-207.—Kingsbury, A. N. The isolation of enteric organisms by clot cultures. *Annual Rep. Malay Inst. M. Res.* (1932) 1933, 47.—Kozlov, I. A. [Serological monovalency of intestinal bacteria in relation to differentiation of strains of amphibian and human origin] *J. mikrob.*, Moskva, 1940, No. 9, 70-5.—Laboratório (O) em auxílio da clínica; isolamento e identificação bioquímica dos germes patogênicos intestinais. *Arq. biol.*, S. Paulo, 1940, 24: 283-5.—Lippelt, H. The diagnosis of intestinal pathogens; trial of a new combination of media. *Bull. Hyg.*, Lond., 1942, 17: 125 (Abstr.)—Lomry & Gillet. Sur l'identification des bacilles pathogènes de l'intestin. *Ann. Inst. Pasteur, Par.*, 1927, 41: 648-67.—Nodake, R. Ueber verschiedene, zur Isolierung pathogener Darmbakterien dienende Nährböden und über Verbesserungen derselben. *Zbl. Bakt.*, 1. Abt., 1926, 99: 311-9.—Paulson, M. Three methods of obtaining intestinal material directly for bacteriologic examination without the possibility of contamination from surrounding sources. *Am. J. M. Sc.*, 1930, 179: 361-4. — The clinical use of desoxycholate and desoxycholate-citrate agars—new culture media—for the isolation of intestinal pathogens. *Ibid.*, 1937, 193: 688-90, 2 pl.—Ravich-Burger, E. D. [Methods of identification of intestinal bacilli with limited use of carbohydrates or entirely without them] *J. mikrob.*, Moskva, 1942, No. 8, 76-8.—Schöbl, O., & Komatsu, T. Ueber einen einfachen Nährboden, der eine Einteilung der pathogenen Darmbakterien

auf grund biologisch wichtiger Lebensfunktionen ermöglicht. *Kitasato Arch.*, 1934, 11: 215-32.—Sera, G. A special method of investigating the streptococcal and acidophilus intestinal flora; with results in 53 mental patients. *J. Ment. Sc.*, Lond., 1930, 76: 56-65.—Sosa, H. Medio de cultivo para la selección de colonias en el aislamiento de bacterias patógenas intestinales. *Rev. Inst. bact. Dep. nac. hig.*, B. Air., 1940, 9: 478-86. Also *Rev. Soc. argent. biol.*, 1940, 16: 390-7.—Stuart, G., & Krikorian, K. S. Serological diagnosis of the Enterica by the method of qualitative receptor analysis. *J. Hyg.*, Cambr., 1928-29, 28: 105-26.—Sulkin, S. E., & Willett, J. C. A triple sugar-ferrous sulfate medium for use in identification of enteric organisms. *J. Lab. Clin. M.*, 1939-40, 25: 649-53.—Use (The) of a modified Leifson desoxycholate citrate agar medium for the isolation of dysentery and *Salmonella bacilli*. *Bull. Hyg.*, Lond., 1942, 17: 653 (Abstr.)—Velu, H. Caractères culturaux et morphologiques de l'agent de la rouille des boyaux. *C. rend. Soc. biol.*, 1929, 100: 707.

Bacteria: Passage through wall.

See also Bacteriemia; Colon bacillus, Infection; Sepsis, etc.

KÖRNER, H. J. *Untersuchungen über die Durchlässigkeit des Naturindarmes für Bakterien aus der Paratyphus-Enteritisgruppe [Giessen] 28p. 23cm. Berl., 1938.

Arnold, L. Alterations in the endogenous enteric bacterial flora and microbe permeability of the intestinal wall in relation to the nutritional and meteorological changes. *J. Hyg.*, Cambr., 1929-30, 29: 82-116. — Brody, L. Passage of living bacteria through the intact intestinal mucosa. *Proc. Soc. Exp. Biol.*, N. Y., 1927-28, 25: 247.—Boone, T. H., Chase, E. M., & Brink, H. E. Intestinal absorption of *B. prodigiosus*. *Ibid.*, 1931, 29: 113-6.—Dumont, J. Les bactériemies intestinales. *Paris méd.*, 1930, 77: 464-8.—Eickhoff, C. Zur Frage der Permeabilität der Darmwand für Bakterien. *Arch. Verdauungskr.*, 1929, 45: 12-5.—Golyakhovskii, A. I. [Auto-infection through the intestines] *Vest. obsh. vet.*, 1915, 27: 166-9.—Huruya, S. Beiträge zur Frage der Durchlässigkeit der Darmwand für Bakterien, besonders bei zirkulatorischer Dickdarmschädigung. *Arch. klin. Chir.*, 1939, 197: 211-27.—Nedzel, A. J., & Arnold, L. Influence of eggwhite upon the absorption of bacteria from the intestinal tract. *Proc. Soc. Exp. Biol.*, N. Y., 1930-31, 28: 358-60.—Nickel, R., & Giske, W. Blut- und Lymphgefäßsystem des Darms als Infektionspforte; dringen Bakterien vom Darm in die Pfortaderkapillaren ein? *Deut. tierärztl. Wschr.*, 1939, 47: 434.—Pfannenstiel, W., & Kortmann, T. Nachweis pathogener Darmkeime in Blute mittels taurocholsauren Natriums. *Münch. med. Wschr.*, 1929, 76: 408.—Seifert, E. Klinische und experimentelle Untersuchungen über die Bakteriendichtigkeit der Darmwand. *Beitr. klin. Chir.*, 1933, 158: 400-11.—Shuger, M., & Arnold, L. Absorption of bacteria from the large intestine. *Proc. Soc. Exp. Biol.*, N. Y., 1932, 29: 494-6.—Williamson, C. S., & Brown, R. O. The permeability of the intestinal mucosa to certain types of bacteria, determined by cultures from the thoracic duct. *Med. Press & Circ.*, Lond., 1923, n. ser., 116: 175-8.

Bacteria, pathogenic.

See also Intestine, Infection; also under names of pathogenic intestinal bacteria as Typhoid bacillus, etc.

Chapman, G. H., & Lieb, C. W. Bacteriology of the intestinal tract in certain diseases; the possible inhibition of colon bacilli by pathogenic streptococci and staphylococci. *Rev. Gastroenter.*, 1938, 5: 234-40.—Douglas, M. Some principles regulating the life and death of pathogenic intestinal bacteria in artificial media and in fruit juices. *Lancet*, Lond., 1930, 2: 789-91.—Fitts, J. B. Relation of the intestinal flora to clinical findings. *South. M. J.*, 1928, 21: 911-4.—Hasimoto, K. Wachstumshemmende Wirkung von Coli-Bazillen pathogenen Darmbakterien gegenüber. *Zbl. Bakt.*, 1. Abt., 1927, 103: 1-9.—Hempt, H. Ueber den Einfluss der Agar- und Gelatinekonzentration auf den Schwärmvorgang seitens pathogener Darmbakterien. *Ibid.*, 1932, 126: 302-7.—Kemkes, B., & Steigler, A. Ergebnisse der Stuhl- und Urinuntersuchungen auf pathogene Darmbakterien in Frankfurt a. M. in den Jahren 1928-36. *Ibid.*, 1937, 139: 357-63.—Lieb, C. W., & Chapman, G. H. Bacteriology of the intestinal tract in certain chronic diseases; the possible role of upper respiratory infection. *Rev. Gastroenter.*, 1938, 5: 306-18.

Bacteria: Variability.

Cruickshank, J. The bacterial flora of the intestine in health and in chronic diseases. *Brit. M. J.*, 1928, 2: 555-8. Also *Lancet*, Lond., 1928, 2: 295.—Cruickshank, R. The experimental transformation of the intestinal flora. *Brit. J. Exp. Path.*, 1928, 9: 318-26.—Dudgeon, L. S. A study of the intestinal flora under normal and abnormal conditions. *J. Hyg.*, Cambr., 1926-27, 25: 119-41.—Elin, V., & Rosenblat, O. [Variability of bacteria of the intestinal group after passage through the intestinal tract of animals] *J. mikrob.*, Moskva, 1936, 17: 40-8.—Fejgin, B., & Epstein, T. Ueber die Mutationsfähigkeit einiger Darmbakterien im Zusammenhang mit

dem d'Hérélleschen Phänomen. Krankheitsforschung, 1929, 7: 129-36.—**Goiffon & Prêtet**. L'évolution des microbes selon le transit colique. Nutrition, Par., 1939, 9: 325-35.—**Goldwasser, R., & Kligler, I. J.** Seasonal variations in the intestinal flora of normal individuals. J. Prev. M., 1930, 4: 361-70.—**Greenbaum, F. T.** [Data for investigation of the variability of microbes of the intestinal group] In Minlivost mikrob. (Kiev. Inst. mikrob.) 1939, 35-44.—**Heim, F.** Physiologische Methode zur Behandlung pathologischer Darmflora. Tungchi med. Mschr., 1927-28, 3: 179-82.—**Herz, H.** Künstliche Veränderung der Darmflora. Wien. med. Wschr., 1936, 86: 1133.—**Joffe, E. W., & Mudd, S.** A paradoxical relation between zeta potential and suspension stability in S and R variants of intestinal bacteria. J. Gen. Physiol., 1934-35, 18: 599-613.—**Koser, S. A.** On the production of variant colonies by certain of the intestinal bacteria. Proc. Soc. Exp. Biol., N. Y., 1929-30, 27: 975-7.—**Kvashnina, A. S.** [Dissociation and cycle of development of certain intestinal bacteria] J. mikrob., Moskva, 1932, 9: 118-30, 2 pl.—**Manzini, C.** Recherches sur la flore bactérienne aérobie de l'intestin; modifications de la flore intestinale. Boll. Sez. ital. Soc. internaz. mikrob., 1936, 8: 49.—**Gardini, G. F.** Recherches quantitatives et qualitatives sur la flore bactérienne des fèces de sujets porteurs de néoplasmes. Ibid., 79.—**Les modifications quantitatives et qualitatives de la flore bactérienne fécale.** Ibid., 81.—**Mejlo, E., Nygart, F., & Plum, P.** [Investigations on intestinal flora in normal and sick children] Ugeskr. laeger, 1941, 103: 187.—**Meyer, K., & Goldenberg, B.** Umwandlungsversuche an pathogenen Darmbakterien; die Rückbildung von R- in S-Formen. Zschr. Immunforsch., 1933, 80: 121-34.—**Nevler, A. I.** [Changes of intestinal microflora in mice; in relation to age and course of experimental cancer] Vest. rentg., 1938, 20: 341-54.—**Nissle, A.** Das Problem der Dysbakterie des Dickdarms und ihrer Behandlung. Klin. Wschr., 1932, 11: 1456.—**Die Dysbakterie des Dickdarms und ihre Bedeutung für die Heilkunde.** Ther. Gegenwart, 1935, 76: 119-23.—**Oria-Jensen & Winther, O.** [Changing the intestinal flora in rats and man] Ugeskr. laeger, 1934, 96: 913-6.—**Perets, L. G.** [Effect of Roentgen rays on the microflora of the intestine in roentgen diagnosis and roentgen therapy] Vest. rentg., 1933, 12: 115-26.—**Reuss, A., & Hassmann, K.** Ueber Darmbakterienvariabilität und ihre ätiologische Bedeutung für enterale Störungen im Säuglings- und späteren Kindesalter. Wien. klin. Wschr., 1936, 49: 769; 811.—**Roux, J. C., & Goiffon, R.** L'instabilité de la flore intestinale. Arch. mal. app. digest., Par., 1927, 17: 893-8.—**Russo, G.** Il problema della variabilità in vivo dei germi coli, tifici, paratifici, dissenterici e le sue relazioni con la clinica. Gior. batt. immun., 1939, 22: 778-94.—**Sokoloff, B.** Change of intestinal flora. Rev. Gastroenter., 1938, 5: 165-7.—**Zhitova, E. I.** [Study of the variability of bacilli of the intestinal group] J. mikrob., Moskva, 1936, 17: 905-9.

Bacteria: Viability.

See also subheading Disinfection.

KESELING, J. L. B. *Die entwicklungshemmende Wirkung des Chlorsilberkieselsäuregels auf Darmbakterien. 11p. 8°. Göttingen, 1927.

Also Fortsch. Ther., 1927, 3: 865.

SCHUT, J. A. F. *De invloed van de vloceistof enner proef-septic-tank op pathogene darmbacteriën. 54p. 8°. Amst., 1924.

Coburn, R. C. Modifying the intestinal flora with insoluble chemicals. Med. Rec., N. Y., 1936, 144: 391-6.—**Handke, G.** Ueber den Einfluss von Ferrum reductum auf die aerobe Bakterienflora im Darm. Zbl. Bakt., 1. Abt., 1933, 130: 240-7.—**Kellogg, J. H.** Dependable methods of producing and maintaining an aciduric intestinal flora. Bull. Battle Creek Sanit., 1930, 25: 193-8.—**Lawrence, C. A.** Bacteriostatic effects of sulfanilamide, pyridine and thiazol derivatives upon colon-typhoid-dysentery group. Proc. Soc. Exp. Biol., N. Y., 1940, 44: 162-5.—**Paterson, J.** The potentized drug and its action on the bowel flora. Brit. Homoeop. J., 1936, 26: 163-88.—**Pfannenstiel.** Die Wirkung medizinischer Kohlepräparate auf Darmbakterien. Med. Klin., Berl., 1927, 23: 1673. Also Zschr. Hyg., 1927-28, 108: 474-91.—**Tittsler, R. P., & Sandholzer, L. A.** The bacteriostatic action of indole on gram-negative enteric bacilli and on certain cocci. J. Infect. Dis., 1935, 57: 64-9.—**Callahan, E. T.** The bacteriostatic action of skatole on gram-negative enteric bacilli. Ibid., 57-60.—**Werch, S. C., Jung, R. W.** [et al.] Pectin and galacturonic acid and the intestinal pathogens. Am. J. Dis. Child., 1942, 63: 839-46.—**Wichels, P.** Die entwicklungshemmende Wirkung des Chlorsilberkieselsäuregels auf Darmbakterien und ihre klinische Bedeutung. Med. Klin., Berl., 1928, 24: 1016.

Bacteria—in animals.

GÜNTHER, J. J. *Die Bakterienflora im Sperlingsdarm [Kiel] 17p. 8°. [Hagenow i. M.] 1926.

Baldacci, E., & Verona, O. Isolamento di schizomiceti del G. cytophaga, dall'intestino delle termiti. Boll. Soc. ital. biol. sper., 1939, 14: 156.—**Dack, G. M., & Petran, E.** Bacterial

activity in different levels of the intestine and in isolated segments of small and large bowel in monkeys and in dogs. J. Infect. Dis., 1934, 54: 204-20.—**Dack, G. M., & Woolpert, O.** A study of the bacteriology of various levels of the intestine of macacus rhesus monkeys, with reference to technic and to the fate of Bacillus prodigiosus. J. Prev. M., 1932, 6: 129-39.—**Delaporte, B.** Recherches sur la cytologie des bacilles de l'intestin des têtards. C. rend. Acad. sc., 1935, 201: 1409-11.—**Florestano, H. J.** Studies on the intestinal flora of the guinea pig. J. Bact., Balt., 1942, 43: 22.—**Menes, E. G., & Rochline, O. L.** [Intestinal microflora of domestic birds] Mikrob. J., Leningr., 1928, 7: 42-6.—**Minkevich, J. E.** [Aromatic bacteria in the intestines of frogs] Ibid., 1929, 9: 363-7.—**Trofimuk, N. A.** [Intestinal bacteria of fishes from a sanitary-bacteriologic viewpoint] Profil. med., Kharkov, 1928, 7: 14-20.—**Poindexter, H. A.** A study of the intestinal parasites of the monkeys of the Santiago Island primate colony. Puerto Rico J. Pub. Health, 1942-43, 18: 175-91.—**Preston, W. S., & Clark, P. F.** New intermediate Bacteriaceae from the intestinal tract of the rhesus monkey. J. Infect. Dis., 1938, 63: 234-7.—**Strauss, P.** Ueber das Vorkommen von pathogenen Anaerobiern im Darmtraktus von gefallen und getöteten Kindern. Deut. tierärztl. Wschr., 1927, 35: 71.—**Stutzer, M. I.** Darmbakterien der Kaltblüter. Zbl. Bakt., 2. Abt., 1925-26, 66: 344-54.—**Tanikawa, E.** Ueber den Einfluss der Ernährung auf die Darmflora der Fische. Arch. Mikrob., Berl., 1939, 10: 26-71.—**Tunncliffe, E. A.** Bacterial flora of the intestinal tube of normal young lambs. J. Am. Vet. M. Ass., 1932, 80: 615-24.

Blood circulation.

See also subheading Distention.

GRIEBEN, G. [G.] *Ueber den Einfluss der Kontraktionen der Darmmuskulatur auf die Darmdurchblutung. 16p. 8°. Rostock, 1935.

Fujita, K. [Experimentelle Studien über den Einfluss des Innervationsmechanismus der extraintestinalen vegetativen Nerven auf die Darmbewegung, besonders über die zwischen den genannten Nerven und der Blutzirkulation des Darmes bestehende Reziprozität] Mitt. Med. Akad. Kioto, 1941, 31: 725-808.—**Gatch, W. D., Chen, K. K., & Weatherby, J. H.** Survival time of ischemic bowel measured by permeability of the isolated intestine to various substances. In Lahey Birthday Vol., 1940, 193-8, pl.—**Goetz, R. H.** The control of the blood-flow through the intestine as studied by the effect of adrenaline. Q. J. Exp. Physiol., Lond., 1939, 29: 321-32.—**Lawson, H.** The mechanism of deflation hyperemia in the intestine. Am. J. Physiol., 1941, 134: 147-56.—**The effect of phasic contractions of the intestine on intestinal blood-flow.** Fed. Proc., Balt., 1942, 1: pt 2, 49 (Abstr.).—**Chumley, J.** The effect of intra-intestinal pressure on blood flow through the intestine. Am. J. Physiol., 1940, 129: 401.

Bloodvessels.

See also Mesentery.

Ioffe, I. L. [Surgical anatomy of the arterial blood supply of the wall of the small and large intestine] Vest. khir., 1939, 58: 338-44.—**Iwanow, J. F., & Radostina, T. N.** Ueber die Blutversorgung der intramuralen Nervengeflechte des Darms. Anat. Anz., 1937, 84: 354-60.—**Kimball, P.** A comparative study of the vas subintestinales in the vertebrates. Am. J. Anat., 1928, 42: 371-98.—**Kubita, S., & Tyo, S.** Ueber die Verteilung der kleinen Blutgefäße in der Darmschleimhaut von Meerschweinchen (Cavia cobaya) Fukuoka acta med., 1936, 29: 81.—**Lorin, H.** Contribution à l'étude anatomochirurgicale de la circulation artérielle des colons transverse et gauche et du grand épiploon. Ann. anat. path., Par., 1930, 7: 577-82.—**Nisioka, T.** Beiträge zur Kenntnis der vergleichenden Anatomie der Zottenblutgefäße des Darmes bei Wirbeltieren; Carnivora. J. Chosen M. Ass., 1927, 791-4.—**Beiträge zur vergleichenden Anatomie der Blutgefäße der Darmzotten bei Säugetieren; Rodentia.** Ibid., 1928, 261-3.—**Spanner, R.** Die arterio-venösen Anastomosen im Darm. Verh. Anat. Ges., 1931, 39: 24-6.—**Neue Befunde über die Blutwege der Darmwand und ihre funktionelle Bedeutung.** Morph. Jahrb., 1932, 69: 394-454.—**Steward, J. A., & Rankin, F. W.** Blood supply of the large intestine; its surgical considerations. Arch. Surg., 1933, 26: 843-91.—**Ueoka, W.** Ueber die Klappen der kleinen Venen in den Eingeweiden des Menschen. Nagoya J. M. Sc., 1934, 8: 46-51.

Bloodvessels: Disease.

See also subheadings (Gangrene; Infarction)

Cheinis, L. L'artériosclérose intestinale. Sem. méd., Par., 1907, 27: 589-91.—**Feldman, M.** Mesenteric vascular occlusion, with gangrene of the intestine as a cause of intestinal obstruction; a radiologic consideration; report of 3 cases. Internat. Clin., 1942, n. ser., 5, 1: 188-97, 3 pl.—**Felsen, J.** Intestinal vascular sclerosis. J. Lab. Clin. M., 1941-42, 27: 576-85. Also Hebrew M. J., N. Y., 1942, 2: 183-9.—**Lagane, L.** Le syndrome artério-scléreux de l'intestin. Presse méd., 1911, 19: 1025-7.—**Schilling, F.** Arteriosklerose der Intestinalgefäße. Wien. klin. Wschr., 1908, 22: 261; 281.—**Strauch, F. W.** Die intestinale Arteriosklerose in der Praxis. Münch. med. Wschr., 1923, 70: 83-5.—**Strausz, L.** [Intestinal arteriosclerosis] Budapesti orv. ujs., 1929, 27: 1502-6.—**Toizde, S. S.**

[Ligature and thrombosis of the veins of the large intestine; experimental investigation] *Vest. khir.*, 1940, 59: 622-30.

— Calculus.

See also Biliary calculus; Coprolith; Fecaloma; Feces, Impaction.

EPSTEIN, M. *Etude sur la lithiase oxalique de l'intestin. 99p. 8° Par., 1915.

Askanazy, M. Pathologisch-anatomische Demonstrationen. Schweiz. med. Wschr., 1939, 69: 318-21.—Bellini, A. Voluminoso enterolita simulante un tumore addominale. Policlinico, 1933, 40: sez. prat., 1250-2.—Boardman, W. W. Enteroliths. *Am. J. Roentg.*, 1923, n. ser., 10: 369-73.—Brimont, E. Pseudo-calculs intestinaux d'origine végétale. *Bull. Soc. path. exot.*, Par., 1908, 1: 35-7.—Cowan, J. F. Enteroliths, with case report. *Surg. Clin. N. America*, 1922, 2: 401-18.—Drescher, A. Zur Lehre von den Darmsteinen. *Zbl. Chir.*, 1928, 55: 2758-60.—Fuller, F. M. Intestinal sand with report of a case of 20 years' standing. *Illinois M. J.*, 1921, 40: 45-8.—Galaz Chacón, G. Un caso de litiasis intestinal. *Mem. Congr. méd. peninsular* (1933) 1934, 1. congr., 75-7.—Grimbert, L. Pseudo-calculs intestinaux. *J. pharm. chim.*, Par., 1909, 6. ser., 30: 209.—Hellström, J. Zur Kenntnis der Choleinsäureenterolithen. *Acta chir. scand.*, 1928, 64: 79-109, pl.—Kienböck, R. Zur Differenzialdiagnose von Kothsteinen und Horn-concremen. *Arch. phys. Med.*, Lpz., 1911, 6: 16-8.—Leuret, A. Volumineux calcul intestinal. *Paris chir.*, 1926, 18: 270.—Lier, E. H. B. van [Case of intestinal sand] *Ned. tsschr. geneesk.*, 1928, 72: pt 1, 741-3. — Weduwen, J. der. [Intestinal sand] *Ibid.*, 1927, 71: pt 2, 2495-9.—Loeper, M. La lithiase intestinale. *Monde méd.*, 1939, 49: 681-6.—MacHardy, T. A case of intestinal concretions. *Edinburgh M. J.*, 1910, n. ser., 4: 439-41.—Matignon, J. J. Typhlocolite provoquée et entretenue par des calculs intestinaux, produits par des cachets de magnésie calcinée. *Arch. mal. app. digest.*, Par., 1926, 16: 436-9.—Matteucci, E. Enterolithiasis e pseudoenterolithiasis. *Radiol. med.*, Milano, 1934, 21: 150-8.—Miller, E. L., & Neff, F. C. Enterolith as a cause of chronic obstruction in a breast-fed infant. *Am. J. Dis. Child.*, 1924, 27: 105-9.—Mörner, C. T. Eine Sondergruppe von Enterolithen beim Menschen: Choleinsäuresteine. *Zschr. physiol. Chem.*, 1923, 130: 24-33.

[Occurrence of cholic acid enteroliths in man; case] *Hygiea, Stockh.*, 1927, 89: 545-56. [Cholic acid enterolithiasis] *Sven. läk. tidn.*, 1930, 27: 659.

[Nucleus of encrusted choleic acid enterolith] *Ibid.*, 1937, 34: 1017-9.—Naunyn, B. Ein Fall von Darmkonkrementen. *Deut. Arch. klin. Med.*, 1905, 84: 1-10.—Nicol, A. A. M. Gall-stone enteroliths. *Brit. M. J.*, 1924, 2: 12.—Perera Castillo, F. Litiasis intestinal regional con perforación del ciego. *Cir. ciruján.*, Méx., 1940, 8: 49-64.—Peyton, H. A. Enteroliths, with report of case. *J. Florida M. Ass.*, 1923-24, 10: 211.—Rusconi, M. Enterolita senza occlusione osservata a distanza da un pasto al bario (pseudodiverticolo del colon?) *Radiol. med.*, Milano, 1926, 13: 487-91.—Russell, A. W. Intestinal concretions from a case that simulated malignant disease of the bowel. *Tr. Glasgow Obst. Gyn. Soc.* (1900-02) 1903, 3: 252.—Sangorodsky, K. [Intestinal calculus (senteroliths)] *Vest. khir.*, 1927, 11: No. 33, 94-6.—Schubert, V. F. [A case of intestinal calculus] *Vrach. gaz.*, 1923, 27: 324.—Slutz, H. H. A case of fecal impaction with stone formation. *J. Med.*, Cincin., 1932, 13: 368.—Teacher, J. H. Report of an intestinal concretion removed by operation. *Tr. Glasgow path. Clin. Soc.*, 1902-03, 9: 177-80.—Velasco Ruiz, D. Sobre un caso de cálculo intestinal. *Villaclara méd.*, S. Clara, 1941, 9: 129-36.—Wiesner, R. Ueber Fettskybala. *Wien. med. Wschr.*, 1934, 84: 419-23.—Winterstein, O. Ueber Enterolithen. *Deut. Zschr. Chir.*, 1925, 193: 409-19.—Woodmansey, A. Analysis of some unusual intestinal concretions. *Lancet, Lond.*, 1927, 2: 172.

— Calculus—in animals.

BIZIO, G. Sopra una concrezione rinvenuta nell'intestini di un cavallo; analisi chimica. 15p. 21cm. Venez., 1864.

Biguardi, L. Un caso di enterolitiasi nel cavallo. *Clin. vet.*, Milano, 1936, 59: 565-7.—Casella, G. J. Un calcolo intestinal petroso-solitario; enterolito. *Rev. med. vet.*, B. Air., 1942, 24: 557-60.—Gavril, I., & Tomescu, V. [Case of colic in a horse caused by intestinal calculus in floating colon with perforation, followed by peritonitis] *Rev. vet. mil.*, Bucur., 1936, 7: 527-30.—Goossen, D. H. [Intestinal calculus in horses] *Tschr. diergeneesk.*, 1923, 50: 777-80.—Jakob, H., & de Jong, P. J. Hondred en tachtig kieselstenen in de tractus intestinorum van een dashond, die zonder naadeel den darm passeerden. *Ibid.*, 1917, 44: 508-15, pl.—Medvedev, I. D. [Operative treatment of intestinal calculus in the horse] *Sovet. vet.*, 1939, 16: No. 5, 69-75.—Murison, J. J. Intestinal calculi in a horse. *Vet. Med.*, Chic., 1936, 31: 472.—Oprescu, A. C., & Popescu, E. B. [Two cases of rupture of the floating colon of the horse due to intestinal calculus] *Rev. vet.*, Bucur., 1939, 10: 96-100.—Sachkov, V. I. [Case of dissolving intestinal calculus in a mare] *Sov. et. vet.*, 1940, 17: No. 4, 79.—Wester, J., & Beijers, J. A. [Two cases of intestinal stone in horses] *Tschr. diergeneesk.*, 1923, 50: 598-601.

— Cancer.

RÜHLMANN, K. *Bösartige Darmgeschwülste bei Jugendlichen mit einer eigenen Beobachtung [Jena] 29p. 8° Borna-Lpz., 1928.

Abell, I. Carcinoma of the large intestine including the rectum. *Illinois M. J.*, 1928, 54: 263-7.—Applehaus, W. E. Cancer of the anus, rectum and colon. *Kentucky M. J.*, 1926, 24: 453.—Babcock, W. Carcinoma of the intestinal tract. *Mcd. Soc. Rep.*, Scranton, 1936, 30: 19.—Babcock, W. W. Malignant disease of the intestinal tract. *Month. Bull. Kansas City Clin. Soc.*, 1936, 12: No. 7, 5.—Bacon, H. E., & Sealy, W. B. Malignancy of the anus, rectum and sigmoid colon in the young, with report of a case at four and a half years. *Am. J. Surg.*, 1939, 45: 339-47.—Bargen, J. A. Important newer concepts concerning cancer of the intestines and their bearing on management. *West Virginia M. J.*, 1941, 37: 433-42.—Bieren, R. E. Carcinoma of the lower intestinal tract. *Surg. Gyn. Obst.*, 1941, 72: 611-5.—Bloomfield, M. D. An interesting case of colloid carcinoma. *Med. Rec.*, N. Y., 1939, 149: 293.—Buire, R. E. Carcinoma of the large intestine; review of 416 autopsy records. *Arch. Surg.*, 1941, 42: 801-18.—Carter, L. J. Cancer of the large bowel. *Canad. M. Ass. J.*, 1933, 29: 167-71.—Clerici, A. Tumori maligni del cieco e colon ascendente. *Gazz. osp.*, 1927, 48: 673-5.—David, V. C. A consideration of some etiological and pathological factors in cancer of the large bowel. *Proc. Inst. M. Chicago*, 1938, 12: 70-80.—Davis, E. C. Malignant diseases of colon, cecum and appendix. *J. M. Ass. Georgia*, 1926, 15: 175-8.—Delatour, H. B. Malignant disease of the caecum and ascending colon. *Long Island M. J.*, 1927, 21: 198-200.—Doherty, W. D. Carcinoma of the large bowel. *Guy's Hosp. Gaz.*, Lond., 1934, 48: 330-2.—Donati, M. Tumori maligni dell'intestino tenue e crasso. In *Tumori maligni* (Vernoni, G.) Milano, 1933, 76-87, pl.—Dublin, W. B., Gregg, R. O., & Broders, A. C. A study of mitosis in specimens removed during the day and night from carcinomas of the large intestine. *Proc. Mayo Clin.*, 1940, 15: 623. Also *Arch. Path.*, Chic., 1940, 30: 893-5.—Felsen, J. The pathology of intestinal carcinoma. *Ann. Surg.*, 1935, 102: 61-3.—Frank, L. W. Intestinal malignancy; report of two cases. *Kentucky M. J.*, 1927, 25: 113-7.—Gibbon, J. W. Carcinoma of the large intestine. *South. M. & S.*, 1929, 91: 399-402.—Gudzent. Das Darmcarcinom in der vertrauensärztlichen Nachuntersuchung. *Vertrauensarzt*, 1934, 2: 6-8.—Horsley, J. S. Cancer of the large bowel. *South. M. J.*, 1932, 25: 117-25. Cancer of the small and of the large intestines. *Southwest. M.*, 1940, 24: 319-24.—Karsner, H. T., & Clark, B., jr. Analysis of 104 cases of carcinoma of the large intestine. *Am. J. Cancer*, 1932, 16: 933-70.—Kirshbaum, J. D. Carcinoma of the cecum, and carcinoma of the rectum; clinical pathological conference. *Illinois M. J.*, 1941, 80: 345-8.—La Bella, L. O. Carcinoma of the bowel, Middlesex Hospital. *Connecticut M. J.*, 1941, 5: 745-9.—Lorenz, G., jr. Case report of two distinct malignancies involving both the sigmoid and duodenum apparently unrelated. *Hahnemann. Month.*, 1940, 75: 310-7.—Lücke. Ueber einen Fall von Karzinom der Darmwand des Pferdes. *Zschr. Veterinärk.*, 1926, 38: 338-41.—Mayo, C. W., & Schlicke, C. P. Carcinoma of the colon and rectum; a study of metastasis and recurrences. *Surg. Gyn. Obst.*, 1942, 74: 83-91.—Muller, P. Les cancers du gros intestin dans la pratique médicale. *J. méd. Paris*, 1928, 47: 699.—Ochsenhirt, N. C. The significance of mucus-forming cells in carcinoma of the large intestine and rectum. *Surg. Gyn. Obst.*, 1928, 47: 32-5.—Rabson, S. M. Adenosquamous cell carcinoma of the intestine (combined adenocarcinoma and squamous cell carcinoma) report of a case with a review of the literature. *Arch. Path.*, Chic., 1936, 21: 308-19.—Silvers, H. I. Multiple intestinal carcinomata, appearing simultaneously. *Am. J. Digest. Dis.*, 1939-40, 6: 25-7.—Smeaton, B. Cancer of the large intestine. *Med. J. Australia*, 1934, 1: 299.—Soetomo Tjokronegoro [Malignant intestinal tumors] *Geneesk. tschr. Ned. Indië*, 1941, 81: 2394-420, pl.—Stevens, G. A. Carcinoma of the huiitis plastica type involving the intestine. *Proc. Mayo Clin.*, 1935, 10: 349-51.—Stone, H. B. Cancer of the colon and rectum. *Med. Rec.*, Houston, 1941, 35: 952-4.—Taylor, J. Cancer of the large intestine. *Glasgow M. J.*, 1932, 118: 376-82.—Warren, R. Cancer of the intestine; a clinical study. *Lancet, Lond.*, 1928, 2: 493-6. Also *Bol. Liga cancer, Habana*, 1929, 4: 198-205.—Warren, S. The distribution of metastases in carcinoma of the large intestine. *N. England J. M.*, 1933, 209: 167-73.—Watts, E. W. Carcinoma of the splenic flexure in a girl. *J. M. Ass. S. Africa*, 1927, 1: 314.—Willis, R. A. Carcinoma of the intestine in rats. *J. Path. Bact.*, Cambr., 1935, 40: 187, pl.—Wright, R. D. Site predisposition to cancer. *Med. J. Australia*, 1934, 1: 99.—Young, E. L., jr. Secondary carcinomata of the large bowel. *N. England J. M.*, 1935, 213: 1219-21.

— Cancer: Complication.

SAFAR, A. *Perforation du gros intestin, en péritoine libre, à la suite de l'examen radiologique, au cours des cancers du gros intestin. 54p. 8° Lyon, 1936.

Buxton, C. L. Intestinal carcinoma occurring in the sac of a ventral hernia; subacute intestinal obstruction. In *Clin. Misc. Bassett Hosp.*, 1934, 1: 167-71.—Cade, A., & Milhaud,

M. Amibiase et cancer du gros intestin. J. méd. Lyon, 1939, 20: 475-80.—**Carloti & Auguer, P.** Kératite unilatérale par carence en vitamine A, au cours d'un cancer de l'intestin. Rev. otoneur., Par., 1937, 15: 613.—**Clauser, F.** Contributo allo studio delle metastasi ovariche dei tumori intestinali maligni. Fol. gyn., Pavia, 1928, 25: 345-88, 3 pl.—**Dahl-Iversen, E., & Nissen, N. I.** Ueber die okkulte Blutung beim Krebs im Dick- und Dünndarm; beleuchtet durch Material aus den Chirurgischen Abteilungen von Krankenhäusern in Kopenhagen. Arch. klin. Chir., 1930, 159: 303-16. Also Hospitalstidende, 1930, 73: 543-54.—**Hintze, A.** Krebs und Darmverschluss; Förderung der Diagnose durch das Röntgenverfahren. Arch. klin. Chir., 1935, 183: 482-539.—**Katz, H., & Kaspar, F.** Pregnancy and cancer of the large intestine. Internat. J. M. & S., 1934, 47: 207.—**Lane, A.** Cancer et stase intestinale chronique. Clinique, Par., 1926, 21: 226.—**Láng, G., & Révész, V.** [Cancer, resembling inflammation with jejunoileic fistula] Orv. hetil., 1938, 82: 400.—**Lersch, A.** Bauchdeckenabszess als erstes Symptom von Darmkarzinomen. Zbl. Chir., 1933, 60: 616-20.—**Parker, G. E., & Rosenthal, D. B.** Carcinoma of the large bowel; as the direct cause of acute appendicitis and simultaneous acute intestinal obstruction. Lancet, Lond., 1933, 2: 1089.—**Pescarolo, B.** I problemi del cancro: le debacole intestinali illusorie nei carcinomi stenosi dell'intestino. Minerva med., Tor., 1927, 7: 1103-7.—**Petroff, W.** Seltener Fall eines klappenähnlichen Verschlusses. Zbl. Chir., 1938, 65: 1702.—**Porter, M. F.** Coincident cancer and melanosis of the bowel; with report of a case. Surg. Gyn. Obst., 1926, 43: 744.—**Rankin, F. W.** Acute intestinal obstruction due to malignancy. Tr. South. Surg. Ass. (1925) 1926, 38: 344-55. Also Surg. Gyn. Obst., 1926, 42: 638-43.—**Young, E. L., jr.** An uncommon cause for sciatica and abdominal tumor. Boston M. & S. J., 1927, 196: 448-51.

Cancer: Diagnosis.

KNEBEL, H. *Die Verwendbarkeit der Senkungsgeschwindigkeit, der Resistenzbestimmung der Erythrocyten und des Blutbildes bei der Diagnose der Carcinome des Intestinaltractus [Berlin] 23p. 8°. Charlottenb., 1927.

Ayerza, L. Diagnóstico precoz de los tumores malignos del intestino grueso; diagnóstico clínico. Arch. argent. enferm. ap. digest., 1939-40, 15: 261-82.—**Bacon, H. E.** The Gruskin test in carcinoma of the rectum, anus and colon. Tr. Am. Proct. Soc., 1933, 34: 149-59.—**Bégouin, L.** La colique seul signe du cancer de l'intestin. Bordeaux chir., 1933, 4: 107-9.—**Bellerose, A.** Diagnostic précoce du cancer de l'intestin. Union méd. Canada, 1941, 70: 455.—**Blanc, H.** Forme latente fébrile du cancer du gros intestin. Bull. Soc. chir. Paris, 1929, 21: 68-71.—**Boas, I.** Acerca del diagnóstico y pronóstico del cáncer del intestino. Rev. méd. germ. iber. amer., 1930, 3: 1-10.—**Brandson, B. J.** The early diagnosis of cancer of the intestine. Canad. M. Ass. J., 1934, 30: 639-42.—**Brockmann, H. L.** Cancer of the bowel and rectum; symposium on the early signs and symptoms of cancer. North Carolina M. J., 1940, 1: 343-5.—**Fleischer, F.** Frühdiagnose des Darmkrebses. Zschr. ärztl. Fortbild., 1932, 29: 8-13.—**Goldsmith, M.** The diagnosis of carcinoma of the large intestine. Med. J. & Rec., 1928, 128: 522-5.—**Gunn, H., & Howard, N. J.** Amebic granulomas of the large bowel; their clinical resemblance to carcinoma. J. Am. M. Ass., 1931, 97: 166-70.—**Kharmandarian & Bestschinskai.** Le radiodiagnostic du cancer du gros intestin. J. radiol. électr., 1935, 19: 450-3.—**Krecke, A.** Darmkarzinom oder Appendizitis? In his Beitr. prakt. Chir., 1934, 386.—**Kuttner, L., & Scherk, G.** Zur Diagnose des Darmcarcinoms. Med. Klin., Berl., 1928, 24: 1375-7.—**Lahey, F. H.** The diagnosis and management of carcinoma of the colon and rectum. N. York State J. M., 1934, 34: 129-37.—**Lehman, E. P.** The diagnosis of cancer of the large bowel. Virginia M. Month., 1931, 58: 577-83.—**Lyon, G.** Le diagnostic du cancer de l'intestin. Bull. méd., Par., 1937, 51: No. 42, Suppl., 1-4.—**Ostenfeld, J.** [Significance of occult bleeding in early diagnosis of intestinal cancer] Ugeskr. læger, 1941, 103: 1156.—**Priestley, J. T., & Bagen, J. A.** The early diagnosis of carcinoma of the large intestine. Am. J. Surg., 1933, 22: 515-20.—**Report of the Cancer Commission of the California Medical Association; tumors of the large intestine.** Bull. Am. Soc. Cancer, 1935, 17: No. 7, 4-7.—**Stapp, B.** Bedeutung der Kontrastfüllung des Darmes für die Karzinomdiagnose bei unklaren Darmerscheinungen. Deut. med. Wschr., 1930, 56: 1009.

Cancer: Precancerous condition.

See also Intestine, Polyposis.

Kraevsky, N. A. [Primary-multiple cancer of the intestines and their relation to polyposis] Sovet. khir., 1934, 6: 713-20.—**Origin (The)** of intestinal tumours with special relation to the development of cancer in pre-existing adenomata. Annual Rep. Brit. Emp. Cancer Campaign, 1935, 12: 38-41.—**Parkinson, E. D.** Premalignant lesions of colon, rectum and anus. Northwest M., 1942, 41: 206-8.—**Stewart, M. J.** Observations on the relation of malignant disease to benign tumours of the intestinal tract. Brit. M. J., 1929, 2: 567-9.—**Westhues, M.** Ueber die Präcancerose des Dickdarms und des Mastdarms. Gastroenterologia, Basel, 1942, 67: 91 (Abstr.)

Cancer: Treatment.

Babcock, W. W. Improvements in the operative treatment of intestinal carcinoma. South. Surgeon, 1937, 6: 267-74.—**Borghi, M.** Considerazioni sugli esiti a distanza degli interventi chirurgici per tumori maligni dell'intestino tenue e del colon. Arch. Soc. ital. chir., 1929, 25: 877-86.—**Braine, J.** Tumeur lymphoïde maligne de l'intestin, englobant le cæcum, le colon ascendant, l'iléon terminal et une anse grêle haute, fistulisée dans le colon; résection complète de la tumeur en un temps, résultat excellent au quinzième mois. Bull. Soc. nat. chir., Par., 1929, 55: 390-3.—**Brosch, A.** Beseitigung krebsiger Darmverschlüsse durch karzinytisch wirkende Schwellströme. Wien. klin. Wschr., 1934, 47: 781.—**Cattell, R. B.** General principles of treatment for carcinoma of the large intestine. Proc. Interst. Postgrad. M. Ass. N. America, 1934, 341-3.—**Drueck, C. J.** Dietetic problems of the cancer patient. Rev. Gastroenter., 1941, 8: 317-9.—**Farmer, V.** Methods for improving results in cancer of the large intestine and rectum. J. M. Soc. N. Jersey, 1933, 30: 704-6.—**Gottesman, J.** Secondary resection of the intestine for recurrent carcinoma. An. J. Surg., 1938, 40: 645.—**Graham, A. S.** Factors influencing mortality in operative carcinomas of the large intestine. Virginia M. Month., 1934, 60: 652-5.—**Gregg, R. O., & Dixon, C. F.** Malignant lesions of the colon and rectum; operability and prognosis. Proc. Mayo Clin., 1941, 16: 657-9.—**Mazzini, O. F.** Cánceres del intestino grueso, con exclusión del recto. Sem. méd., B. Air., 1932, 39: pt 2, 977-81.—**Mikulicz, J. von.** Chirurgische Erfahrungen über das Darmcarcinom. Med. Classics, 1937-38, 2: 188-209.—**Mironov, A. I.** [Case of a one-stage extensive excision of the large intestine in cancer] Klin. med., Moskva, 1936, 14: 904-6.—**Moir, A.** Some problems in the surgical treatment of carcinoma of the intestines. Canad. M. Ass. J., 1935, 32: 485-9.—**Núñez Portuondo, R., & Lastra y Camps, J.** Tratamiento quirúrgico de los cánceres del intestino grueso. Vida nueva, Habana, 1934, 34: 203-18.—**Polisadova, K. I.** [Immediate and remote results of operative treatment of cancer of the large intestine] Vest. khir., 1940, 60: 288-97.—**Rankin, F. W.** The curability of cancer of the colon, rectosigmoid and rectum. J. Am. M. Ass., 1933, 101: 491-5.—**Stahnke, E.** Métodos y resultados de la cirugía del cáncer del intestino grueso. Rev. méd. germ. iber. amer., 1931, 4: 529-35.—**Thorek, M.** Priority for the exteriorization operation for carcinoma of the bowel. Ann. Surg., 1937, 106: 145.

Carcinoid.

Fumagalli, C. R. I carcinoidi intestinali. Clin. chir., Milano, 1926, 29: 99-129.—**Jones, C. B.** Argentaffin cell tumors, carcinoids of small intestine and appendix. Am. J. Surg., 1936, 34: 294-9.—**Koch, M.** Maligne Karzinoide. Röntgenpraxis, 1940, 12: 373 (Abstr.)—**Millman, S.** Tricuspid stenosis and pulmonary stenosis complicating carcinoid of the intestine with metastasis to the liver. Am. Heart J., 1943, 25: 391-8.—**Nelson, M. G.** Carcinoids of the intestinal tract. Ulster M. J., 1939, 8: 179-91, 2 pl.—**Selberg, W.** Ueber das Carcinoid des Darmes. Virchows Arch., 1940, 306: 467-90.

Cellulitis.

Bsteh, O. Zur Kenntnis der Darmphlegmone. Arch. klin. Chir., 1932, 169: 193-203.—**Fischer, A.** Ueber Phlegmone der Darmwand. Zbl. Chir., 1931, 58: 1243-7.—**Popescu, C., & Panaitescu, G.** [Case of ambulatory erysipelas of the intestinal tegument and mucosa, simulating dysentery; treated by Cantacuzine's multivalent antistreptococcic serum] Rev. şt. med., Bucur., 1933, 22: 300-4.

Chemistry and metabolism.

See also Intestinal juice; Intestine subheadings (Contents; Digestion; Effect of diet; Pharmacology; Physiology)

LANG, K. *Ueber Glykogenbildung in der Darmwand [Freiburg i. B.] p.90-4. 8°. Berl., 1928.

Also Biochem. Zschr., 1928, 200:

OETER, H. D. *Ueber den Cholesteringehalt der menschlichen Darmwand. p.141-7. 8°. Kiel, 1929.

Also Zschr. physiol. chem., 1929, 182:

Barnes, R. H., Miller, E. S., & Burr, G. O. In vitro incorporation of fatty acids in phospholipids of intestinal mucosa. Proc. Soc. Exp. Biol., N. Y., 1939, 42: 45-7.—**Beck, L. V.** Organic phosphate and fructose in rat intestinal mucosa, as affected by glucose and by phlorizin. J. Biol. Chem., 1942, 143: 403-15.—**Bergeim, O.** Intestinal chemistry. Ibid., 1924, 62: 45; 49.—**Cajori, F. A.** The lactase activity of the intestinal mucosa of the dog and some characteristics of intestinal lactase. Ibid., 1935, 109: 159-68.—**Gailey, F. B., & Johnson, M. J.** The dipeptidases of intestinal mucosa. Ibid., 1941, 141: 921-9.—**Maruyama, I.** Ueber die Verteilung des Glykogens in der Darmschleimhaut der Embryonen. Okayama igakkai zasshi, 1930, 42: 507.—**Roese, H. F.** Ammoniakbildung und Zuckerverbrauch des künstlich durchbluteten Säugterdarms. Arch. ges. Physiol., 1930, 226: 190-7.—**Sinclair, R. G.** The

phospholipids of the intestinal mucosa during fat absorption. *J. Biol. Chem.*, 1937, 119: p. xc.—**Takahasi, M.** Experimentelle Untersuchung über die Ausbildung der Milchsäure beim überlebenden Kaninchendarm. *Sei i kwai*, 1931, 50: No. 2, 1-4.

Contents.

See also Intestinal juice.

A., W. C. Chemical gradients in the bowel. *Am. J. Digest. Dis.*, 1940, 7: 540.—**Asch, R.** Welchen Nutzen hat der Luftinhalt des Darmes? *Arch. Verdauungskr.*, 1926, 37: 30-6.—**Bollman, J. L., & Mann, F. C.** The acidity of the contents of the intestine. *Proc. Mayo Clin.*, 1930, 5: 68.—**Burns, H. S., & Visscher, M. B.** The influence of various anions of the lyotropic series upon the sodium and chloride content of fluid in the intestine. *Am. J. Physiol.*, 1934-35, 110: 490-8.—**Danninger, R., Pfragner, K., & Schultes, H.** Ueber die absolute Reaktion in dem Inhalt der einzelnen Darmabschnitte von Pferd und Rind. *Arch. ges. Physiol.*, 1928, 220: 430-3.—**Gherardini, G., & Brasi, M.** Ulteriori ricerche sugli acidi grassi volatili del contenuto intestinale in alcune condizioni sperimentali. *Arch. pat.*, Bologna, 1930-31, 10: 127-38.—**Grayzel, D. M., & Miller, E. G., jr.** pH concentration of intestinal contents of dog, with special reference to inorganic metabolism. *Proc. Soc. Exp. Biol., N. Y.*, 1926-27, 24: 668-70.—**Hédon, L., & Brémont, L.** Le pH contenu intestinal chez le chien. *Bull. Soc. sc. méd. biol. Montpellier*, 1925-26, 7: 481.—**Herrin, R. C.** Ammonia content, pH, and carbon dioxide tension in the intestine of dogs. *J. Biol. Chem.*, 1937, 118: 459-70.—**Jones, J. H.** The relation of the pH of intestinal contents to calcium and phosphorus utilization. *Ibid.*, 1942, 142: 557-67.—**Joseph, D. R.** The relation of the weight of the contents of stomach and cecum to the body-weight in rabbits. *J. Exp. M.*, 1909, 11: 36-40.—**Thomas, J. E.** The maximal acidity of the intestinal contents during digestion. *Am. J. Digest. Dis.*, 1940, 7: 195-7.

Contents: Putrefaction and fermentation.

See also Intestine, Toxemia; also Indol; Indoxyl.

DESCHWANDEN, J. VON. *Beitrag zur Frage der Darmfäulnis, speziell bei chronischer Obstipation [Basel] 44p. 8° Berl., 1925.

Also *Arch. Verdauungskr.*, 1925, 35:

Becher, E. Ueber das Verhalten der Darmfäulnisprodukte in Blut und Harn beim Schütteln mit Kohle. *Münch. med. Wschr.*, 1926, 73: 1561. — Das Verhalten einiger Darmfäulnisprodukte im Organismus. *Verh. Deut. Ges. inn. Med.*, 1926, 37. Kongr., 345-7. — Die Entgiftung der Darmgifte. *Med. Welt*, 1935, 9: 518. — **Fussgänger, R.** Ueber die Beeinflussung der Ausscheidung von Darmfäulnisprodukten durch Adsorban. *Med. Klin.*, Berl., 1930, 26: 1714-6.—**Bischoff, G.** Fäulnisprozess und Sterinreduktion mit besonderer Berücksichtigung der Verhältnisse im Säuglingsdarm. *Biochem. Zschr.*, 1930, 227: 230-6.—**Fukushima, T.** Studies on the intestinal gas-intoxication; hydrogen-sulphide, especially on biochemical researches. *Orient. J. Dis. Inf.*, Kyoto, 1935, 17: 31. — Studies on the intestinal gas-intoxication; a test of hydrogen-sulphide; especially on patho-histological researches. *Ibid.*, 18: 11.

— Studies on the intestinal gas-intoxication; a test of CH₄; significantly biochemical researches. *Ibid.*, 13.—**Gherardini, G.** Sul significato probabile delle fermentazioni intestinali in determinate condizioni morbose. *Fol. clin. chim.*, Bologna, 1928, 3: 289-344.—**Hoelzel, F.** The Bergheim test for intestinal putrefaction. *J. Biol. Chem.*, 1929, 83: 331.—**Jordan, E. O., & Burrows, W.** The production of enterotoxic substance by bacteria. *J. Infect. Dis.*, 1935, 57: 121-8.—**Leonard, V., & Feirer, W. A.** Di-hydranol; control of intestinal putrefaction in man by oral administration of 2-4-dihydroxyphenyl n-heptane. *Bull. Johns Hopkins Hosp.*, 1931, 48: 25-38.—**Mertz, E.** Darmfäulnis und Bakteriengifte als Grundursachen vieler bisher unaufgeklärter Krankheiten unserer Haustiere. *Berl. tierärztl. Wschr.*, 1919, 35: 329-31.—**Mutch, N.** A new index of intestinal putrefaction. *Lancet*, Lond., 1929, 1: 1034.—**Núñez, C. J.** Fermentaciones y putrefacciones intestinales; índices de actividad bacteriana investigados a diversas alturas del tractus intestinal en perros sometidos a dietas especiales. *Arch. argent. enferm. ap. digest.*, 1936-37, 12: 97-111.—**Perrault, M.** Les corps toxiques du milieu intestinal. In *Intoxic. & carences aliment.* (M. Loeper) Par., 1938, 50-63.—**Pierce, H. B.** The use of the rodella putrimeter in a study of intestinal putrefaction. *J. Lab. Clin. M.*, 1930-31, 16: 466-70.—**Power, F. W., & Sherwin, C. P.** The detoxication of putrefactive products by the human body. *Arch. Int. M.*, 1927, 39: 60-6.—**Rosell, J. M.** Studies in the pathology of digestion; intestinal fermentation and putrefaction. *Canad. M. Ass. J.*, 1929, 21: 42-6. — The mechanism of fermentation and putrefaction in the intestines. *Ibid.*, 161-8.—**Strahlmann, H.** Die chronische Dickdarmfäulnis als Krankheitsquelle, auch ein Beitrag zur Entstehung der Infektionskrankheiten. *Fortsch. Med.*, 1928, 46: 437.—**Wolf, W., & Sherwin, C. P.** Concerning the formation and absorption of putrefactive products in the human intestine. *Arch. Ther.*, N. Y., 1926, 5: 47-50.

Cyst.

See also Enterocystoma.

BECKER, F. *Beitrag zur Kenntnis der zystischen Tumoren des Darmes und seines Aufhängeapparates [Zürich] 32p. 8° Basel, 1929.

Also *Schweiz. med. Wschr.*, 1929, 59: 979-1010.

Evans, A. Developmental enterogenous cysts and diverticula. *Brit. J. Surg.*, 1929-30, 17: 34-83.—**Milles, G., & Poncher, H. O.** Enterogenous cysts and diverticula. *Tr. Chicago Path. Soc.*, 1933, 14: 95.—**Parcelier, A.** Kyste entéroïde d'origine appendiculaire. *Bordeaux chir.*, 1933, 4: 415.—**Poncher, H. G., & Milles, G.** Cysts and diverticula of intestinal origin. *Am. J. Dis. Child.*, 1933, 45: 1064-78.—**Szabó, D.** [Intestinal cyst] *Orvostud. közl.*, 1941, 2: 220-3.

Digestion.

See Digestion.

Disease.

See also Allergy; Celiac disease; Colitis; Colon, Disease; Dysentery; Enteritis, etc.

BACON, H. E. Anus, rectum, sigmoid, colon; diagnosis and treatment. 855p. 8° Phila. [1938]

BROWN, P. W. Diseases of the intestines. p. 101-67. 25cm. N. Y., 1941.

CARNOT, P., CAROLI, J. [et al.] *Maladies de l'intestin*. 2. éd. 694p. 8° Par., 1936.

CASTAIGNE, J. *Maladies des intestins*. 308p. 16° Par., 1926.

CAWADIAS, A. P. Diseases of the intestines. 8° Lond., 1927.

DALLA VOLTA, A. *Malattie dell'intestino*. p. 408-528. 4° Tor., 1931.

DELORT, M. *Intestins*. 537 p. 18° Par., 1930.

HENNING, N. Die Krankheiten des Darmes. p. 791-998. 25cm. Berl., 1938.

NOORDEN, C. von. Ueber Durchfalls- und Verstopfungskrankheiten und die Grundsätze ihrer Behandlung. 55p. 8° Münch., 1922.

ORATOR, V. Darm und Bauchfell. 92p. 24½cm. Lpz., 1939.

PORGES, O. Darmkrankheiten; ihre Diagnose und Therapie. 253p. 8° Berl., 1935. Also 2. Aufl. 256p. 1938.

VANDER, A. Disorders of the intestines. 95p. 19cm. Lond. [1939]

ZWEIG, W. Darmkrankheiten. 157p. 8° Wien, 1929.

Abercrombie, J. Recherches et observations sur les maladies des intestins. *Observ. provenc. sc. méd.*, 1821, 1: 280.—**Bargen, J. A.** Diseases of the intestines. In *Cyclop. Med.* (Piersol-Bortz) Phila., 1937, *Serv. Vol.*, 103-16.—**Brown, P. W., & Garvin, R. O.** Clinic on intestinal diseases. *Med. Clin. N. America*, 1934, 18: 535-47.—**Brown, T. R.** Intestinal diseases. *Canad. M. Ass. J.*, 1928, 18: 651-60.—**David, V. C.** Diseases of the colon and rectum. In *Pract. Pediat.* (Brennemann, J.) Hagerstown, 1937, 3: ch. 7, 30p.—**Gählinger, H.** L'intestin victime. *J. méd. Paris*, 1933, 53: 123-6.—**Macfadyen, J. A.** Unhealthy bowels. *S. Afr. M. J.*, 1934, 8: 886.—**Matignon, J. J.** A propos du petit entérocolisme. *Gaz. sc. méd. Bordeaux*, 1924, 45: 178-80.—**Mueller-Deham, A. S. M.** Non-inflammatory intestinal disturbances. In *their Int. M. Old Age*, Balt., 1942, 239-48.—**Ramond, L.** Matières à discussion. *Presse méd.*, 1938, 46: 603.—**Snapper, I.** Intestinal diseases. In *his Chin. Lessons to West. Med.*, N. Y., 1941, 358-62.—**Turell, R.** Diseases of anorectum and colon; review of certain recent contributions. *Am. J. Digest. Dis.*, 1942, 9: 248-61.

Disease: Complication.

See also Entero-renal syndrome; also such headings as Psychosis, Etiology, etc.

Bargen, J. A. The blood pictures of patients with intestinal disease. *J. Indiana M. Ass.*, 1938, 31: 52-7.—**Glatzel, H.** Hyperchrome Anämie bei Darmerkrankungen. *Münch. med. Wschr.*, 1929, 76: 1760-2.—**Leffkowitz, M.** Chronic diseases of the intestine and blood circulation. *Harefuah, Tel Aviv*, 1938, 15: No. 5-6, p. iii-v.—**Morawitz, P., & Nordmann, O.** Beziehungen zwischen Digestionsstraktus und Blutkrankheiten; Beziehungen zwischen Darm- und Blutkrankheiten. *Verh. Ges. Verdauungskr.* (1928) 1929, 8: 77-96 [Discussion]

114-31.—Schwarz, K. A. Zur Lehre von den Psychosen nach Darmkrankheiten. Arch. Psychiat., Berl., 1928, 84: 768-810.—Strauss, H. Wechselbeziehungen zwischen Darm- und Allgemeinstörungen. Jahrbuch. ärztl. Fortbild., 1933, 24: H. 3, 1-18.

Disease: Diagnosis.

See also subheading Radiology.

MORICHAU-BEAUCHANT, R. L'exploration de l'intestin; diagnostic et traitement des maladies et des syndromes. 514p. 16° Par., 1933.

SCHIASSI, F. Diagnostica e sintomatologia generale delle malattie dell'intestino. p. 359-407. 8° Tor., 1936.

Bargen, J. A. The dangers of late diagnosis of intestinal diseases. Minnesota M., 1938, 21: 248.—Bibb, L. B. Systematic search for pathogenic intestinal organisms in discharges of healthy and sick individuals. J. Lab. Clin. M., 1927-28, 13: 575-80.—Caporale, L. Affezioni enteriche con sindromi urinarie ed affezioni urinarie con sindromi enteriche. Arch. Soc. ital. chir., 1930, 36: 1101-13.—Castex, M. R.—Manifestaciones morbosas entero-colónicas psico-neurogenéticas. Prensa méd. argent., 1941, 28: pt. 2, 1703-20.—Dibold, H. Ueber klinische Bewertung von Zellbefunden bei Darmkrankheiten. Arch. Verdauungskr., 1934, 56: 125-40.—Frankfeldt, F. M. Diagnostic pitfalls in rectocolonic disease. Med. Clin. N. America, 1942, 26: 755-72.—Kemp, S., & Andersen, T. T. Die zahlenmässige Katalasebestimmung in den Fäzes und ihre Bedeutung für Diagnostik und Prognose der Darmkrankheiten. Acta med. scand., 1932, 78: 308-86.—[Diagnostic and prognostic value of catalase and Triboulet reactions] Hospitalstidende, 1934, 77: 1349-407.—Die Bedeutung der Katalase- (und Triboulet-) Reaktion für Diagnostik und Prognose der Darmkrankheiten. Arch. Verdauungskr., 1935, 58: 144; 312; 1936, 59: 1; 219.—Marx, H. Die chemischen und mikroskopischen Untersuchungen am Krankenbett. Deut. med. Wschr., 1938, 64: 14; 55; passim.—Naegeli, O. Differentialdiagnose der Darmerkrankungen. In his Duffer. Diagn. inn. Med., Lpz., 1936-37, 321-36.—Nissle, A. Ueber die Bedeutung bakteriologischer Stuhluntersuchungen bei nichtinfektiösen Darmkrankheiten. Arch. Hyg., Berl., 1930, 103: 124-31.—Pevzner, M. [Clinical manifestations of anatomical changes in the intestinal tract] Ter. arkh., Moskva, 1934, 12: 62-6.—Post, H. W. A. Opaque fluids in the diagnosis on intestinal disease. Med. Press & Circ., Lond., 1938, 197: 491-7.—Reed, W. A. The symptomatic relation of urinary disturbances to diseases of the intestinal tract. South. M. J., 1936, 29: 1099-101.—Vorhaus, M. C. Recognition of some of the less common diseases; duodenal-jejunal diverticula; mucocoe of the appendix and the cecum. J. Am. M. Ass., 1930, 94: 165-9.—Wakefield, E. G., & Weber, H. M. Clinical differential diagnosis of diseases of intestines. Surg. Clin. N. America, 1937, 17: 1013-26.

Disease: Etiology.

Abramson, L. Clinical observation on intestinal disturbances among the population of Västerbotten (Sweden) Acta med. scand., 1931-32, 77: 127-40.—Babini, R. L'oral sepsis in relazione alle vedute del Sanarelli sulle enteropatie. Stomat. ital., 1926, 24: 580-3.—Bohn & Feyrter. Die endokrinnervös bedingte Enteropathie. Münch. med. Wschr., 1940, 87: 901.—Bonney, V. Effect of peritoneal irritation in intestinal activity. Brit. M. J., 1941, 1: 377.—Davis, E. D. D., Ridout, C. A. S. [et al.] The influence of naso-oral sepsis on the lungs and gastro-intestinal tract. Proc. R. Soc. M., Lond., 1927-28, 21: Sect. Laryng., 55-73.—Devasagayam, A. Notes on some intestinal affections of Tamil coolies. Malay. M. J., 1934, 9: 200-4.—Felsen, J. Intestinal manifestations of systemic disease. Rev. Gastroenter., 1938, 5: 114-32.—González Galván, J. M. Características regionales de la patología intestinal de Andalucía occidental y Extremadura. Arch. med., Madr., 1933, 36: 485-91.—Guilford, H. M. Summer enteric troubles. Bull. Bd Health Wisconsin, 1934, 5: 22-5.—Guillaume, A. C. Troubles intestinaux d'origine circulaire. Arch. mal. app. digest., Par., 1937, 27: 564-8.—Krankheiten des Darmes im Alter. Aerztl. Prax., Wien, 1937, 11: 299-301.—Melnotte, P. Contribution à l'étude de la pathologie intestinale au Maroc. Bull. Soc. path. exot., Par., 1928, 21: 440-52.—Menninger-Lerchenhal, E. Chronische Darmkrankheit und Avitaminose bei Geisteskranken. Allg. Zschr. Psychiat., 1938, 109: 245-61, tab.—Netrebenko, A. V., Fedotova, A. V., & Galanov, S. S. [Etiology of intestinal affections in Kokand (Central-Asia)] J. profil. sub trop. klin. med., Tashkent, 1934, 4: 35-40.—Schneider, P. Biologie du bacille butyrique et son rôle dans la genèse des troubles intestinaux. Schweiz. med. Wschr., 1938, 68: 323.—Sladký, F. [Origin of chronic trouble of the intestinal tract] Cas. lék. česk., 1926, 65: 260.—Strauss, H. Ueber hypophysär bedingte Darmstörungen. Arch. Verdauungskr., 1930, 48: 301-4.—Tage-Hansen, E. Die Behandlung von bestehender K-Avitaminose bei Darmacholie. Schweiz. med. Wschr., 1940, 70: 1004-6.

Disease, functional.

See also Constipation; Diarrhea; Dyspepsia.

FEARRINGTON, J. C. P. Outline diet for functional bowel. [2] 1. 8° Winston-Salem, N. C., 1934.

SINGER, G. Functional diseases of the intestines. 80p. 22½cm. Lond., 1939.

Also Tr. Hunterian Soc., Lond., 1937-38, 2: 72-88.

Bailey, F. Functional diseases of the intestinal tract. California West. M., 1933, 39: 250-4.—Brown, P. W. Dietary aids in control of constipation and diarrhea. Minnesota M., 1936, 19: 221.—Fidler, A. [Three cases of grave functional disorders] Polska gaz. lek., 1935, 14: 216.—Hardy, T. L. Functional disorders of the bowel. Lancet, Lond., 1934, 1: 737-9.—Jahn, D. Ueber die Beurteilung funktioneller Darmstörungen und ihre Behandlung. Jahrbuch. ärztl. Fortbild., 1936, 27: No. 3, 40-50.—Palmer, W. L. The functional bowel. Med. Clin. N. America, 1938, 22: 139-51.—Pinto, S. S. Functional bowel distress. Nebraska M. J., 1936, 21: 63-5.—Rudolf, E., & Fingerland, A. [Case of intestinal dyspragia due to anatomical condition] Cas. lék. česk., 1929, 68: 1126-9.—Siffert de Paula e Silva, G. Distúrbios funcionales dos intestinos. Brasil med., 1939, 53: 1145-50.—Smith, F. M. Functional diseases of the intestinal tract. Week. Bull. Jackson Co. M. Soc., 1941-42, 36: 768.—Ylvisaker, R. S. Functional disorders of the bowel. Minnesota M., 1931, 14: 411-5.

Disease: Pathology.

See also such headings as Allergy, gastro-intestinal; Amyloidosis, etc.

EIJKMAN, K. H. *Pathologisch-anatomisch onderzoek van darman [Utrecht] 72p. 8° Ams., 1931.

Alexiev, A. G. [Bad effect of the hot climate of Turkestan on patients with intestinal diseases] Klin. med., Moskva, 1928, 6: No. 13, 741-52.—Arias Schreiber, M. La appendicitis crónica; la colitis ulcerosa; las diarreas ritmadas; la alergia intestinal; la colibacilosis. Gac. peru. cir. med., 1941-42, 4: No. 48, 1: passim.—Bargen, J. A. Osservazioni sulla fisiologia dell'intestino e contributo alla delucidazione de alcuni problemi clinici. Policlinico, 1937, 44: sez. prat., 865-76.—Clayton, J. G. The intestinal nosodes. J. Am. Inst. Homeop., 1936, 29: 676-81; 1939, 32: 470.—Gächlinger, H. Les cercles vicieux en pathologie intestinale. Bruxelles méd., 1934-35, 15: 815-20.—Holsti, O. On the nature, pathogenesis and treatment of the bowel-lesion in non-specific, non-ulcerative enteropathy; report of one case. In Contribut. M. Sc. Libman Anniv. Vol., 1932, 2: 561-8.—Kendall, A. I. Intestinal intolerance for carbohydrate, associated with overgrowth of the gas bacillus (Bacillus welchii) J. Am. M. Ass., 1926, 86: 737-9.—Labbé, E. M. Maladies de l'intestin. In Précis path. méd. (Bezançon, et al.) 3. éd., Par., 1935, 6: 331-600, pl.—McClure, C. C. Diseases of the large intestine. Arch. Surg., 1932, 24: 411-25.—Moscucci, A. Nuovi concetti sulle enteropatie. Gior. med. mil., 1926, 74: 493-501.—Naegeli, T. Darm. In Path. Physiol. chir. Erkrank. (F. Rost) Berl., 1938, 1: 94-133.—Okoe, K. Experimentelle Studien über die Reizprobität der Darmbewegung, der Blutzirkulation in der Darmwand und des allgemeinen Kreislaufs; Untersuchung am pathologisch veränderten Darms. Mitt. Med. Akad. Kioto, 1935, 14: 665-7.—Pearse, H. E. Whipple's disease, or intestinal lipodystrophy. Surgery, 1942, 11: 906-11.—Schmitt, F. Ionenverteilung zwischen Plasma und Erythrocyten bei intestinalen Erkrankungen. Arch. exp. Path., Berl., 1936, 575-80.—Schneider, P. Considerations générales sur la pathologie intestinale. Rev. méd. Suisse rom., 1940, 60: 643-8.—Sternberg, C. Pathologische Anatomie des Darmes. Wien. klin. Wschr., 1929, 42: 1327.—Van Zwalenburg, C. Hydraulic vicious circle as it develops in the intestine; effect of intraintestinal pressure on the pathology and physiology of the bowel. Am. J. Surg., 1932, 18: 104.

Disease: Treatment.

EMPRINGHAM, J. Intestinal gardening for the prolongation of youth. 2. ed. 205p. 8° N. Y., 1926.

HENRY, D. L. Curing intestinal troubles by natural methods. 46p. 8° Dallas [1932]

ROSELL, J. M. Nuevos puntos de vista sobre fisiopatología y terapéutica intestinales basados en estudios coprológicos. 131p. 8° Barcel., 1919.

SCHWARZ, G., GOLDBERGER, J., & CROCKER, C. Diagnosis and non-operative treatment of the diseases of the colon and rectum. 540p. 8° Lond., 1937.

Altenfelder, M. Contribuição para o estudo da fração anti-necrotica de Forbes em casos de moléstias intestinais. Rev.

clin. S. Paulo, 1942, 12: 38-40.—**Bacteriophage** and vaccines in intestinal and other diseases. In *Med. Res. in Colonies* (Gr. Brit. Colon. M. Res. Com) 1929, 77-82.—**Bargen, J. A.** Combining medical and surgical care of intestinal disease patients. *Mod. Hosp.*, Chic., 1933, 41: 69.—**Bechhold, H.** [On specific adsorption therapy] *Hygiea*, Stockh., 1927, 89: 865-75.—**Besredka, A.** Principes de la bactériothérapie intestinale non spécifique. *Presse méd.*, 1932, 40: 353.—**Blumenthal, E.** Zur rektalen und oralen Behandlung von Darmerkrankungen mit Carbo-Bolusol. *Med. Klin.*, Berl., 1926, 22: 660.—**Burnett, F. L.** The intestinal rate, normal nutrition, and health; new principles for the maintenance, restoration, and control of health. In *Med. Papers* (H. A. Christian Anniv. Vol.) Bost., 1936, 683-93.—**Carli.** De quelques erreurs alimentaires ou thérapeutiques habituelles chez les malades de l'intestin. *Bull. Soc. méd. mil. fr.*, 1936, 30: 26-31.—**Crohn, B. B., Kenamore, B.** [et al.] Diseases of the intestine. In *Modern Med. Ther.* (Barr, D. P.) Balt., 1940, 2: 2292-360.—**Duker, W.** Euglinin als Darmregulierungsmittel. *Med. Klin.*, Berl., 1928, 24: 457.—**Dumont, J. H.** Les cures thermale dans les entéropathies. *Clinique*, Par., 1935, 30: 149-22.—**Dutour.** Recueil de faits relatifs à la bactériothérapie. *J. diét.*, Par., 1912, 3: 185-8; 204-6.—**Escamel, E.** Curación específica y rápida de algunas dolencias intestinales. *Gac. méd. Caracas*, 1932, 39: 310-4. Also *Rev. españ. med. cir.*, 1933, 16: 387-90.—**Escotria, M.** La guayaba en algunos padecimientos intestinales. *Gac. méd. México*, 1936, 56: 317-37.—**Fischer, O.** Die Behandlung infektiöser Darmerkrankungen mit Yatren-105. *Arch. Schiffs Tropenhyg.*, 1928, 32: 197-212.—**Furno, A.** La medicazione topica dell'intestino. *Minerva med.*, Tor., 1928, 8: 267-85.—**Gatewood, L. C.** The treatment of intestinal disorders in the military forces. *Am. J. Digest. Dis.*, 1942, 9: 359-61.—**Goldfiem, A. S. de, & de Goldfiem, J. S.** Remédies des affections intestinales. *Rev. méd. hyg. trop.*, Par., 1937, 29: 297-311.—**Guiot.** Un point de thérapeutique intestinale. *Rev. path. comp.*, Par., 1924, 24: 766-8.—**Gutman, J.** Common intestinal disorders and modern drugs in their treatment. *Med. Rec.*, N. Y., 1938, 147: 77; 123.—**Hadjopoulos, L. G.** Treatment of intestinal tract. U. S. Patent Off., 1933, No. 1,939,166.—**Hannon, E. F.** Apparatus for treating the large intestine. *Ibid.*, 1936, No. 2,027,588.—**Hepburn, J. S.** Buffer solutions, and their use in intestinal diseases. *J. Am. Diet. Ass.*, 1925-26, 1: 55-9.—**Herrmann, E.** Zur Adsorptionsbehandlung von Darmerkrankungen. *Deut. med. Wschr.*, 1939, 65: 721.—**Hillemand, P., & Cottet, J.** Le sous-nitrate de bismuth dans les affections intestinales. *Bull. gén. théor.*, 1935, 186: 22-6.—**Hobart, F. G.** Power medication. *Australas. J. Pharm.*, 1935, n. ser., 16: 997.—**Klauber, L.** Adsorptivkohle zur Behandlung von Darmerkrankungen. *Med. Welt*, 1929, 3: 1260.—**Laquerrière & Delherm.** Des méthodes électriques dans les maladies de l'intestin. *Rapp. Congr. internat. physiothér.*, 1905, 1. Congr., No. 62, 1-31.—**Low, G. C.** The treatment of tropical intestinal diseases. *Practitioner*, Lond., 1933, 131: 136-45.—**Lurie, F. S.** [Treatment of intestinal diseases] *Sovet. vrach. gaz.*, 1934, 38: 1657-9.—**Marchoux, E.** L'orsanine dans le traitement des états intestinaux. *Bull. Soc. path. extot.*, Par., 1930, 23: 933-5.—**Metchnikoff.** Hygiène des intestins. *Novid. med. pharm.*, Porto, 1907, 12: 214.—**Mudd, S.** Specific prophylaxis against enteric diseases. *J. Baet.*, Balt., 1943, 45: 61 (Abstr.).—**Oliver Pascual, E.** Sobre el tratamiento de algunos síndromes intestinales por medio del baeilo acidophilus. *Arch. med.*, Madr., 1925, 19: 537-48.—**Park, W. H.** Directions for the use of vaccine in the treatment of enteric diseases. *Prev. Med.*, N. Y., 1937-38, 7: No. 1, 22-4.—**Poliak, N. N.** [Treatment of intestinal affections with buffer solutions] *Vrach. delo*, 1936, 19: 59-62.—**Putzar-Ehrenberg, C.** Erfahrungen mit der Darmbehandlung nach Dr F. X. Mayr (Karlsbad) Hippokrates, Stuttg., 1936, 7: 570-8.—**Riviere, J.** Clinical physiotherapy of the intestines. *Med. Rev. of Rev.*, 1928, 34: 379-86.—**Sack.** Klinische Erfahrungen mit einem Pektinpräparat Santuron bei Darmerkrankungen. *Med. Klin.*, Berl., 1936, 32: 708.—**Sanders, L. C.** The management of some of the more common diseases of the lower bowel. *Ann. Int. M.*, 1928-29, 2: 1323-7.—**Savy, P.** Traitement des maladies de l'intestin et du péritoine. In *his Théor. clin.*, Par., 1936, 1: 415-615.—**Schulze-Heubach.** Erfahrungen mit Alisatin bei Darmerkrankungen. *Münch. med. Wschr.*, 1928, 75: 1379.—**Schwemmler, B.** Erfahrungen mit Enzypan. *Ibid.*, 1939, 86: 961.—**Smotrov, V. N., Gelbird, Y. A., & Khadzhamirov, S. M.** Pufferlösungen bei der Behandlung von Darmerkrankungen. *Arch. Verdauungskr.*, 1929, 46: 80-8.—**[Buffer solutions in the treatment of intestinal diseases]** *Klin. med.*, Moskva, 1929, 7: 574-9.—**Silva-Mello.** Ueber die Yatrenbehandlung bei Darmerkrankungen; zusammenfassende Darstellung auf Grund 15jähriger Erfahrung. *Gastroenterologia*, Basel, 1939, 64: 93-144.—**Swalm, W. A.** Aluminum silicate (kaolin) with aluminum hydroxide in certain intestinal disorders. *Med. Rec.*, N. Y., 1934, 140: 26; 68.—**Troubles of the bowels and their treatment.** *Ind. M. Rec.*, 1937, 57: 200-2.—**Turck, F. B.** Modern method of treatment of diseases of the intestines. *Mem. Congr. méd. panamér.* (1896) 1898, 2. Congr., 1: 515-27.—**Valenzuela, A. J.** Opoterapia proctoenteral. *An. Soc. méd. quir. Guaymas*, 1935, 26: 418-20.—**Volodin, A. N.** [Fluctuations of ferments of the duodenal contents in diseases of the intestinal tract treated by instillations of magnesium sulphate] *Sovet. klin.*, 1937, 16: 313.—**Volwiler, E. H.** Enteric coating. U. S. Patent Off., 1940, No. 2,205,111.

Disease: Treatment: Diet and crenotherapy.

See also Intestine, Effect of diet.

Bargen, J. A., & Victor, M., Sister. Diet in intestinal disorders. *J. Am. M. Ass.*, 1931, 97: 151-3.—**Bartoli, L.** Des stations hydrominérales françaises traitant les affections intestinales. *C. rend. Congr. internat. hydr. clim. géol. théor.* (1905) 1906, 7. Congr., 584-604.—**Baummann, J.** Affections intestinales (Châtel Guyon) *Rev. prat. mal. pays chauds*, 1926, 6: 255-8.—**Bernard, F.** Traitement hydro-minéral des affections de l'intestin. *Rapp. Congr. internat. physiothér.*, 1910, 3. Congr., 379-93.—**Chabrol, E., Charonnat, R., & Cottet, J.** Recherches sur le mode d'action des eaux minérales dans la cure des affections de l'intestin. *Presse méd.*, 1936, 44: 1023-30.—**Chêne, P.** Le régime dans les affections intestinales. *Gaz. méd. France*, 1939, 46: 93-9.—**Cheney, G.** Vitamin B₁ and liver extract in the treatment of non-specific chronic diarrhea and colitis. *Am. J. Digest. Dis.*, 1939-40, 6: 161-9.—**Clemmesen, J., & Lund, K.** [Mortality due to haematemesis and melena treated by soft diet] *Nord. med.*, 1939, 2: 1729-33.—**Dumont, J. H.** Syndromes morbides intestinaux et les cures thermale de Plombières et de Châtelguyon. *J. méd. chir.*, Par., 1933, 104: 255-64. Les cures thermale dans les entéropathies. *Ibid.*, 1934, 105: 256-63. Le traitement des maladies de l'intestin à Plombières au XVI. siècle d'après Jean le Bon, médecin traitant (1760) *Ibid.*, 1938, 109: 154-9.—**Durot, E.** Thérapeutique hydrominérale des infections et intoxications intestinales. *Rev. prat. mal. pays chauds*, 1935, 15: 159.—**Ehrmann, R.** Die diätetische Behandlung der Darmerkrankungen. *Klin. Wschr.*, 1926, 5: 1139-42.—**Erbach.** Ueber die Behandlung von Darmerkrankungen mit Knoblauch (*Allium sativum*) *Münch. med. Wschr.*, 1928, 75: 87.—**Ernst, G.** Ueber die Wirkung der rohen Apfeldiät bei Darmerkrankungen. *Ibid.*, 1933, 80: 1562.—**Fau, R.** Thérapeutique des troubles intestinaux par l'association de la diététique et de l'hydrothérapie dans la cure de Divonne. *Gaz. méd. France*, 1935, therm. No. 7, 42: 52-4.—**Fontenelle, O.** A alimentação nas enfermidades intestinais. *Fol. med. Rio*, 1934, 15: 391.—**Francé, R.** Darmerkrankungen. In *his Mod. Ernährungsther.*, 3. Aufl., Berl., 1938, 152-5.—**Hartwich, A.** Erfahrungen mit roher Apfeldiät bei Darmerkrankungen. *Münch. med. Wschr.*, 1933, 80: 1217-9.—**Lapp, F. W.** Ueber Ernährung bei Darmerkrankungen. *Fortsch. Ther.*, 1934, 10: 598-605.—**Latte (II)** inacetito nelle malattie intestinali. *Gior. farm. chim.*, 1907, 56: 205-10.—**Lavalée, G.** La déficience de prothrombine dans certains états intestinaux; son traitement par la vitamine K. *Concours méd.*, 1940, 62: 78.—**Luccarelli, V.** Le acque di Sirmione nelle malattie intestinali. *Gazz. med. lombard.*, 1933, 92: No. 2, 9-11.—**Melocchi, W.** Azione dell'aqua alcalina bicarbonato solfocalcica, acqua santa di Chianciano, sul comportamento dell'ossaluria e ossaluria in alcune malattie intestinali. *Riv. idroclim.*, 1938, 49: 378-83.—**Schubert, M.** Zur Behandlung von Darmerkrankungen mit Knoblauch. *Med. Welt*, 1931, 5: 18.—**Stieffel, R.** Indications de la cure de Plombières dans les affections intestinales. *Tunis. méd.*, 1931, 25: 391.—**Tevfik Sağlam.** Bugünkü harbin telkin ettiği bazı fikirler ve ilk cihan harbinden bir kaç görgü. Aşkerî sihiye mecmuası, 1942, 71: p. i-ix.—**Troitskaia, A. S., & V্লাikov, D. N.** [Treatment of intestinal diseases by coli-clotted milk of Prof. Perets] *Klin. med.*, Moskva, 1938, 16: 111-3.—**Truelle, R.** Les affections intestinales des pays chauds et leur cure thermale à Plombières. *Rev. prat. mal. pays chauds*, 1935, 15: 132-45.—**Ziper, P. I.** Treatment of chronic intestinal diseases with coli-clotted milk (Mutafleur) *Tr. Acad. mil. méd. Kiroff*, 1935, 2: 40-4.

Disease—in animals.

See also under names of animals; also such headings as Enterotoxemia [of sheep]

Anthony, D. J., Jackson, F. W., & Joyce, T. G. Black gut. *Vet. Rec.*, Lond., 1931, 11: 801-3.—**Coquot.** Sur la pathogénie de la congestion intestinale du cheval. *Bull. Soc. centr. méd. vét.*, Par., 1905, 59: 351-4.—**Rousseau.** Au sujet des affections intestinales sur les chevaux de l'armée. *Ibid.*, 1904, 58: 783-92.—**Salomon, S.** Beiträge zur Pathologie des Darmes. *Berl. tierärztl. Wschr.*, 1933, 49: 505-7.—**Smith, T.** Hydropic stages in the intestinal epithelium of new-born calves. *J. Exp. M.*, 1925, 41: 81-8, 3 pl.

Disease—in children.

See also Colic; Diarrhea—in children; Dysentery, amebic—in children, etc.

MONTGOMERY, A. H. Diseases of the small intestine, cecum, peritoneum and omentum. 71p. 8° Hagerstown, 1937.

Balaban, V. G., Kaganova, D. D., & Krainovskaia, F. M. [Use of concentrated solutions of sugar in acute, intestinal affections in children] *Pediatrics*, Moskva, 1937, No. 7, 35-44.—**Cohen, H.** The prevention of common intestinal disorders occurring in the first year of life. *Prev. Med.*, N. Y., 1937, 7: 165-71.—**Diell, K.** Akute Darmstörungen im Säuglingsalter. *Med. Welt*, 1938, 12: 953-6.—**DuBois, McEnery** [et al.]

Colicky pain; diarrhea. Case Rep. Child. Mem. Hosp. Chicago, 1943, 2: No. 3, 9-12.—**Gaig, E.** La dieta de manzanas en las graves perturbaciones intestinales de los lactantes. Arch. argent. pediat., 1935, 6: 294-9.—**Gismond, A.** Le febbre cosiddette intestinali. Policlinico, 1923, 30: sez. prat., 1059.—**La riabilitazione dell'intestino.** Prat. pediat., Milano, 1939, 17: 195-200.—**Hassmann, K.** Rezidivierende Darmerkrankungen im Kindesalter. Mschr. Kinderh., 1938, 75: 67-9.—**Hempelmann, T. C.** Diseases of the intestines. In Pract. Libr. M. & S. (Appleton) 1935, 7: 325-47.—**Hill, S. A., & Kotesnik, L. A.** [Bactericidal effect of acidophilus milk in vitro on microbes of the coli-typhoid and dysenteric group] Sovet. pediat., 1936, No. 9, 68-77.—**Kern, K.** [Diagnosis of intestinal disturbances in children and their treatment] Gyógyszer, 1931, 71: 26-30.—**Manson-Bahr, P. H., Maitland-Jones, A. G.** [et al.] Discussion on some aspects of intestinal diseases of European children in the tropics. Proc. R. Soc. M., Lond., 1934, 27: 865-76.—**Margulis, L. A.** [Prophylaxis and therapy of acute intestinal diseases in children with lysozyme and phagolysosyme] Sovet. med., 1940, No. 7, 15-7.—**Marmo, A.** Contributo allo studio della affezioni intestinali dell'infanzia in Eritrea. Pediatria (Arch.) Nap., 1932, 40: 1152-60.—**Miller, R.** Diseases of the intestinal tract. In Dis. Child. (Thursfield & Paterson) Lond., 1934, 210-65.—**Ramón Guerra, A.** Sulfamidotiazol y sulfamidopiridina; tratamiento de los síndromes nutritivos agudos graves del lactante; tratamiento combinado nutritivo y quimioterápico. Arch. argent. pediat., 1941, 16: 284.—**Rohan Barondes, R. de.** Apple powder; its application to the Heister-Moro raw apple diet. Brit. J. Child. Dis., 1937, 34: 48-54.—**Shwaki, I.** A résumé of some of the investigations carried out in the paediatric department in 1932. J. Egypt. M. Ass., 1933, 16: 1037-48.—**Sipovsky, P. V.** [Transitional forms between functional disorders of the intestine (toxic diarrhea and colitis)] Pediatria, Moskva, 1939, No. 4, 22-8.—**Somerford, A. E.** Two cases of intestinal disease in infancy. Lancet, Lond., 1930, 1: 1015.—**Warthen, W. H. F.** Acute intestinal diseases in infants. South. M. J., 1932, 25: 297-305.

Disinfection.

See also subheadings (Bacteria: Viability; Pharmacology)

PROFESSIONAL LABORATORIES, INC. [BLOOMFIELD, N. J.] Normalizing intestinal flora. [6p]. 25cm. Bloomfield, 1938.

Baumann, J. Syndrome entéro-rénal et syndrome entéro-hépatique; bases actuelles de la thérapeutique antiseptique intestinale. J. méd. chir., Par., 1923, 94: 429-36.—**Bechhold, H., & Schlesinger, M.** [Tierexperimentelle Untersuchungen über den Einfluss der Diät bei der Adsorptivdesinfektion mit Adsorgan und Silargel. Zschr. exp. med., 1933, 87: 58-80.—**Cambessédès, H.** Désinfection intestinale et baies de myrtille. Arch. mal. app. digest., Par., 1936, 26: 426-31.—**Dutour, A.** Les diverses méthodes d'antiseptique intestinale. J. diét., Par., 1911, 2: 113.—**Eichholtz, F.** Ueber Darmdesinfektionsmittel. In Festschr. Emil Bürgi, Basel, 1932, 69.—**Schuntermann, E.** Ueber Darmdesinfektion. Münch. med. Wschr., 1931, 78: 1085.—**Eichholtz, F., & Wigand, R.** Ueber die Wirkung von Darmdesinfektionsmitteln. Arch. exp. Path., Lpz., 1931, 159: 81-92.—**Firor, W. M.** Intestinal antiseptics with sulfonamides. Tr. South. Surg. Ass. (1941) 1942, 54: 327-30. Also América clín., 1942, 3: No. 5, 69-71.—**Poth, E. J.** Intestinal antiseptics, with special reference to sulfanilylguanidine. Ann. Surg., 1941, 114: 663-71.—**Germicidal (The) action of dimol intestinal antiseptic.** Lancet, Lond., 1930, 1: 414.—**Graham, J. G.** The problem of intestinal antiseptics; experimental observations on mice. J. Pharm., 1932, 46: 273-83.—**Hauss, A. P.** Intestinal antiseptics. Proc. Indiana Eclat. M. Ass. [1905-6] 1906, 41: 116-8.—**Individual disinfecting plant in human intestines.** Science News Lett., 1935, 27: 185.—**Intestinal chemotherapy with sulfaguanidine.** Squibb Mem., N. Y., 1942, 21: No. 3, 9-11.—**Vieta, J. O., & Stevenson, E. S.** The use of sulfaguanidine as an intestinal antiseptic. Am. J. Surg., 1942, 58: 377-87.—**Walker, J. T. A.** What is intestinal disinfection? Med. Off., Lond., 1927, 37: 214.

Displacement and ectopy.

See also Intestine, Abnormality; Mesentery; Perivisceritis; Viscera, Transposition, etc.

BECKER, F. K. *Varietäten und pathologische Lagen des Darmes. 64p. 8°. Bresl., 1928.

PANCHAUD, R. *Deux cas de dystopie congénitale de l'intestin et leur image radiologique. 24p. 8°. Lausanne, 1932.

Alteri. Per la conoscenza delle ectopie embriogeniche dell'intestino. Morgagni, 1934, 76: 1456-9.—**Barret, G.** Ectopie thoracique de l'intestin; caecum sous la clavicule gauche. Bull. Soc. radiol. méd. France, 1927, 15: 55.—**Christ, A.** Zur Kenntnis der Mesenteriallücken, mit besonderer Berücksichtigung der sogenannten Transhaesio intestini. Zbl. allg. Path., 1926, 38: 6-16.—**Ferrandu, S.** Studio anatomico-patologico sul mesenterium comune nell'adulto e sulle distopie

intestinali congenite. Ann. ital. chir., 1934, 13: 511-57, 2 ch.—**Hyer, S.** [Situs inversus of large intestine and retroposition of transverse and descending colon] Med. rev., Bergen, 1927, 44: 23-6.—**Kubrakiewicz, Z.** [Case of partial transposition of the intestines] Polska gaz. lek., 1939, 18: 650.—**Macchiarella, B.** Un caso di anomalia topografica congenita dell'intestino. Radiol. med., Milano, 1926, 13: 27-31.—**Moreau, L.** L'interposition hépato-diaphragmatique de l'intestin. Bull. Soc. radiol. méd. France, 1936, 24: 499-504.—**Nacif, V.** Sobre un caso de anomalia de posición del intestino. Rev. As. méd. argent., 1940, 54: 122-4.—**Rybak, A. M., & Rotenfeld, M. Z.** [Genesis of interposition of the large intestine between the liver and diaphragm] Ter. arkh., 1939, 17: 117-22.—**Scollo, G.** La patologia del mesenterium commune e delle distopie intestinali in genere. Policlinico, 1933, 40: sez. chir., 530-40.—**Tedesco, B.** A propos d'un cas d'ectopie iléo-colique par mesenterium commune. Bull. Soc. radiol. méd. France, 1937, 25: 204-6.—**Vasselle, P.** Transposition du gros intestin à gauche de la ligne médiane, intestin grêle à droite, inversion du duodénum. Arch. mal. app. digest., Par., 1926, 16: 710.

Distention.

See also Intestine, Pressure.

Aird, I. Effect on blood pressure of sudden release of intestinal distention. Proc. Soc. Exp. Biol., N. Y., 1934-35, 32: 1593-5.—**Bellis, C. J., & Wangenstein, O. H.** Venous circulatory changes in the abdomen and lower extremities attending intestinal distention. Ibid., 1939, 41: 490-8.—**Crowley, R. T.** Reflex modification of respiration by intestinal distention. Am. J. Physiol., 1941, 133: 253.—**Dahm, Z.** Zu den Ursachen für Druckerhöhungen am Dick- und Dünndarm. Röntgenpraxis, 1938, 10: 276.—**Dragstedt, C. A., Lang, V. F., & Millet, R. F.** The relative effects of distention on different portions of the intestine. Arch. Surg., 1929, 18: 2257-63.—**Fine, J., & Starr, A.** Intestinal distention. Rev. Gastroenter., 1939, 6: 419-22.—**Gambée, L. P.** Bowel distention. Northwest M., 1935, 34: 212-8.—**Gatch, W. D., & Battersby, J. S.** The 2 stages of bowel distention; a study of bowel injury by distention and its effect on the volume and concentration of the blood. Arch. Surg., 1942, 44: 108-18.—**Effect of asphyxia caused by bowel distention on the concentration of the blood.** Ibid., 319-26.—**Gatch, W. D., Owen, J. E., & Trusler, H. M.** The effect of distention of the bowel upon its circulation and upon absorption from its lumen. Tr. West. Surg. Ass. (1931) 1932, 41: 521-35. Also West. J. Surg., 1932, 40: 161-70.—**Hainiss, E.** [Acute abdomen in infants due to intestinal distention] Budapesti orv. ujs., 1939, 37: 313-5.—**Johnston, C. G.** Control of distention in the therapy of intestinal obstruction. Q. Bull. Indiana Univ. M. Center, 1943, 4: 67-70.—**Lawson, H., & Ambrose, A. M.** The utilization of blood oxygen by the distended intestine. Am. J. Physiol., 1941-42, 135: 650-9.—**Lawson, H., & Chumley, J.** The effect of distention on blood flow through the intestine. Ibid., 1940-41, 131: 368-77.—**Linton, I. G.** Postoperative distention. South. M. & S., 1941, 103: 194.—**Mitchell, J. M. D.** Bowel distention; the alimentary system as an accessory respiratory organ. Lancet, Lond., 1935, 1: 767.—**Morin, G., & Vial, J.** Sur quelques réactions provoquées par la distension de l'intestin chez le chien. Ann. physiol., Par., 1934, 10: 839-41.—**Réactions respiratoires et circulatoires provoquées par la distension brusque de l'intestin chez le chien.** Arch. internat. physiol., Liège, 1934, 38: 428-42.—**Influence de la distension de l'intestin sur la respiration et la circulation chez le chien.** C. rend. Soc. biol., 1934, 115: 1122-4.—**Sur le champ de l'inhibition réflexe provoquée par la distension de l'intestin.** Ibid., 1540.—**Oppenheimer, M. J., & Mann, F. C.** Intestinal capillary circulation during distention. Proc. Mayo Clin., 1942, 17: 427. Also Surgery, 1943, 13: 548-54.—**Puestow, C. B.** Intestinal motility and postoperative distention; experimental and clinical studies. J. Am. M. Ass., 1942, 120: 903-8.—**Smith, R.** Proflaxis de la distension intestinal postoperatoria. Rev. méd. cubana, 1934, 45: 672-4.—**Van Beuren, F. T., jr.** The mechanism of intestinal perforation due to distention. Ann. Surg., 1926, 83: 69-78.—**Weinberg, J. A., & Sandstead, H. R.** Use of spinal anesthesia in intestinal distention. Nebraska M. J., 1931, 16: 398-401.—**Youmans, W. B.** Effect of denervation of intestine on its motor responses at a site of distention. Proc. Soc. Exp. Biol., N. Y., 1940, 45: 420-4.

Diverticulum.

See also under name of intestinal segment affected as Ileum, Diverticulum, etc.

EDWARDS, H. C. Diverticula and diverticulitis of the intestine. 335p. 23½cm. Balt., 1939.

Bársony, T. Ueber das Divertikel. Arch. Verdauungskr., 1928, 43: 56-64.—**Bignami, G.** La radiologia di fronte al problema della classificazione dei diverticoli intestinali. Boll. Soc. med. chir., Pavia, 1937, 51: 333-40.—**Bird, W. E.** Littre's umbilical hernia; case report. Delaware M. J., 1943, 15: 51-7.—**Cain, A.** Les diverticules du gros intestin. Prat. méd. fr., 1931, 12: 395-403.—**Case, J. T.** The diagnosis of diverticulosis and diverticulitis; presentation of slides. Proc. Interst. Postgrad. M. Ass. N. America, (1928), 1929, 73-6, pl.—**Cicala, G.** Sui diverticoli dell'intestino. Arch. ital. anat., 1934, 5: 975-86.—**Cresson.** Diverticule de l'intestin chez un

nourrison d'un mois et demi. Paris chir., 1926, 18: 235.—**Dixon, C. F., Deuterman, J. L., & Weber, H. M.** Diverticula of the intestine. Surg. Gyn. Obst., 1938, 66: 314-21.—**Edwards, I. I.** Intestinal diverticula. Proc. R. Soc. M., Lond., 1938-39, 32: Sect. Surg., Sub-Sect. Proct., 1495-8.—**Goettsch, H. B.** [Certain cases of diverticulum of the abdominal intestinal canal] Ned. tchr. geneesk., 1940, 84: 1352, pl.—**Grado, G.** Diverticoli del colon ed appendici epiploiche. Arch. radiol., Nap., 1931, 7: 1140-5.—**Jameson, J. W.** Diverticula of the intestine. Tr. N. England Surg. Soc., 1931, 14: 263-75. Also N. England J. M., 1932, 206: 284-7.—**Kernkamp, H. C. H.** Epithelial diverticula in the large intestine of swine. J. Am. Vet. M. Ass., 1936, 88: 732-6.—**Lambright, G. L.** Intestinal diverticula. Ohio M. J., 1932, 28: 509-11.—**McSweeney, E. D.** Diverticula of the intestines. Bull. Mary Fletcher Hosp., 1934, 2: 1-3.—**Morones Prieto, I.** Estudio sobre diverticulos gastrointestinales. Gac. méd. México, 1941, 71: 709-30.—**Neff, G.** Die Darmdivertikel. Erg. Chir. Orthop., 1938, 31: 302-44.—**O'Donnell, A.** Diverticula of the intestines. J. Kansas M. Soc., 1932, 33: 45-52.—**Santoro, A.** I diverticoli del grosso intestino. Arch. radiol., 1931, 7: 765-816.—**Sear, H. R.** Diverticulosis and diverticulitis from the radiological point of view. Med. J. Australia, 1938, 2: 409-12, 3 pl.—**Spriggs, E. I., & Marxer, O. A.** Intestinal diverticula. Brit. M. J., 1926, 1: 130-4, 2 pl.—**Tedeschi, C.** Sui diverticoli dell'intestino. Arch. ital. mal. app. diger., 1932, 2: 311-42.

— Diverticulum: Complication.

See also Ileus; Intestine, Occlusion.

Baur, F. L. Diverticule intestinal et épiploite aiguë. Bull. Soc. méd. mil. fr., 1929, 23: 83.—**Dixon, C. F., & Steward, J. A.** Diverticulum with hemorrhage; omphaloadenoma. Surg. Clin. N. America, 1932, 12: 1025.—**Duckett, J. W.** Giant diverticulum or duplication of the intestine with recurrent perforations. Ann. Surg., 1941, 113: 528-39.—**Garbien, A.** [Genital diseases in women due to intestinal diverticulum] Polska gaz. lek., 1930, 9: 751-3.—**Kaspar, F.** Der Divertikelileus. Arch. klin. Chir., 1926, 141: 215-85; 389-418.—**Petit, J.** Occlusion intestinale par diverticulis. Bull. Soc. nat. chir., Par., 1928, 54: 1284-6.—**Vasoboinic, H.** Deux cas d'occlusions diverticulaires; essai d'une nouvelle classification. Mém. Acad. chir., Par., 1939, 65: 276.—**Veldstra** [Ileus; diverticulum] Geneesk. tchr. Ned. Indië, 1936, 76: 1769, pl.—**Wiersema, J. S.** [Diverticulum ileus] Ibid., 1939-40.

— Diverticulum: Etiology.

EICHBORN, C. VON. *Zur Genese der erworbenen Darmdivertikel. 45p. 8° Zür., 1897.

Bárony, T. Das Divertikel als zweite Krankheit. Wien. klin. Wschr., 1928, 41: 1308-10.—**Bedarida Servadio, L.** Diverticoli intestinali acquisiti. Minerva med., Tor., 1933, 24: 410-4.—**Braun, I.** [Acquired intestinal diverticula] Gyógyász., 1936, 76: 324-6.—**Edwards, H.** Congenital diverticula of the intestine; with the report of a case exhibiting heterotopia. Brit. J. Surg., 1929-30, 17: 7-21.

— Diverticulum: Inflammation.

WAGNER, J. J. *Les diverticulites hémorragiques du gros intestin. 88p. 8° Par., 1936.

Bailey, F. W. Acute diverticulitis. Surg. Clin. N. America, 1938, 18: 1349-67.—**Barling, S.** Diverticulitis. Clin. J., Lond., 1929, 58: 493-9.—**Batley, W. W.** Diverticulitis from the surgeon's standpoint. J. M. Ass. Georgia, 1926, 15: 435-537.—**Bell, F. G.** Diverticulitis. J. Coll. Surgeons Australasia, 1929-30, 2: 226-32.—**Douthwaite, A. H.** Diverticulitis. Guy's Hosp. Gaz., Lond., 1939, 53: 227-9.—**Edwards, H. C.** Prognosis of diverticulitis. Lancet, Lond., 1935, 1: 1527.—**Fallis, L. S., & Martin, C. S.** Diverticulitis with spontaneous internal evacuation of the abscess; report of a case. J. Michigan M. Soc., 1939, 38: 320-2.—**Fifield, L. R.** Diverticulitis. Lancet, Lond., 1927, 1: 277-81.—**Finney, J. M. T.** Diverticulitis and its surgical treatment. Proc. Interst. Postgrad. M. Ass. N. America, (1928) 1929, 57-65.—**Hamant, P., & Grimault, L.** Diverticulite herniaire. P. verb. Congr. fr. chir., 1937, 46: 585-90.—**Hawkins, R. P.** Diverticulitis. Virginia M. Month., 1934, 60: 674.—**Judin, M. A.** [Acute appendicitis and diverticulitis] Vest. khir., 1938, 55: 620.—**Joyce, J. L.** Some surgical aspects of diverticulitis of the large intestine. Roy. Berkshire Hosp. Rep., 1932, 34-50.—**Knapp, L. S.** Treatment of diverticulitis. Guthrie Clin. Bull., 1941-42, 11: 74.—**Laski, B.** Diverticulitis. Univ. Toronto M. J., 1938-39, 16: 133-6.—**Lockhart-Mummery, J. P.** The treatment of acute diverticulitis. Brit. M. J., 1929, 1: 588-90. The etiology of diverticulitis. Lancet, Lond., 1930, 1: 231. Late results in diverticulitis. Ibid., 1938, 2: 1401-4.—**Lynch, J. M.** Diverticula and diverticulitis. J. Am. M. Ass., 1932, 98: 973-7.—**McKendrick, J. S.** Discussion on diverticulitis. Glasgow M. J., 1928, 110: 193-225.—**Kerr, J. M.** [et al.] Discussion on diverticulitis. Tr. R. Med. Chir. Soc. Glasgow, (1927-28) 1929, 22: 200-32.—**McWhorter, G. L.** Acute diverticulitis of the cecum; right-sided symptoms with diverticulitis of the sigmoid. Surg. Clin. N. America, 1934, 14: 901-8.—

Monsarrat, K. W. Remarks on the surgical treatment of diverticulitis. Brit. M. J., 1928, 2: 41-3.—**Nicolayssen, N. A.** [Diverticulitis] Med. rev., Bergen, 1926, 43: 567-79.—**Pauchet, V.** Diverticulites; les faux cancers intestinaux; les fausses entérites. Vie méd., 1927, 8: 405-8. Les diverticulites (faux cancers d'intestin et fausses entérites) Clinique, Par., 1929, 24: 73.—**Piccolo, G.** Sopra due casi di diverticolite cronica recidivante. Rass. internaz. clin. ter., 1936, 17: 153-60.—**Rankin, F. W., & Grimes, A. E.** The surgical treatment of diverticulitis. Digest Treat., Phila., 1938-39, 2: 9.—**Roberts, J. R.** Diverticulitis. Ind. M. Gaz., 1927, 62: 248.—**Rogers, H., & Miller, R. H.** Surgical diverticulitis. N. England J. M., 1929, 201: 162-5.—**Sherrill, A. W.** Diverticulitis simulating carcinoma. Atlantic M. J., 1926-27, 30: 165.—**Slesinger, E. G.** Diverticulitis. Lancet, Lond., 1930, 1: 1325-8.—**Spriggs, E. I.** Diverticulitis. Brit. M. J., 1929, 2: 569-74.—**Synnot, M. J.** Diverticulitis. Tr. Am. Proct. Soc., 1933, 34: 140-9.—**Tripp, A. B.** Diverticulitis; case report. Memphis M. J., 1941, 16: 160.—**Warren, R.** Diverticulitis. Practitioner, Lond., 1928, 121: 117-20.—**Woolf, A. E. M.** Some aspects of the diagnosis and treatment of diverticulitis. Postgrad. M. J., Lond., 1931, 7: 31-4.—**Wunderlich, A.** Chronisch-entzündliche Dickdarmtumoren (sogenannte Divertikulitis) Zbl. Chir., 1931, 58: 206-10.

— Diverticulum, multiple [Diverticulosis]

Angelini, R. Le anomalie costituzioni strutturali della parete dell'intestino; le peritoniti fetali da meconio; i diverticoli dell'intestino. Boll. spec. med. chir., 1931, 5: 293-308; 393.—**Bargen, J. A.** Diverticulosis and diverticulitis of the intestines. Rocky Mountain M. J., 1939, 36: 537-42.—**Barrett, C. W.** Diverticulosis and diverticulitis. Am. J. Surg., 1933, 19: 143-7.—**Berg, H. H.** Ueber Divertikulosis des Dickdarms. Deut. med. Wschr., 1929, 55: 1159; 1206.—**Blackburn, C. B.** Diverticulosis and diverticulitis. Med. J. Australia, 1938, 2: 406-9.—**Carlson, G. D.** Intestinal diverticulosis and diverticulitis. Texas J. M., 1933, 29: 292-304. Also Radiol. Rev., 1934, 56: 122-34.—**Curschmann, H.** Ueber Diverticulosis des Darmes. Verh. Deut. Ges. inn. Med., 1934, 46. Kongr., 337-41.—**Dalla Palma, M.** Sui diverticoli multipli dell'intestino. Pathologica, Genova, 1926, 18: 65-72.—**Dies, J. L.** Multiple diverticula of the large intestine; case report. Memphis M. J., 1928, 5: 226.—**Drueck, C. J.** Diverticulosis. Med. J. & Rec., 1926, 123: 86; 158.—**Erdmann, J. F.** Diverticulitis and diverticulosis. J. Am. M. Ass., 1932, 99: 1125.—**Finney, J. M. H.** Diverticulosis and diverticulitis. Mississippi Doctor, 1934-35, 12: No. 2, 6-14.—**Godard, H.** La malade diverticulaire du tractus intestinal. Ann. anat. path., Par., 1936, 13: 631-5.—**Hatchette, S.** Multiple diverticula of the jejunum, duodenum, and colon, with report of a case. Radiology, 1940, 34: 577-80.—**Levitt, A., & Goldstein, K.** Diverticulosis; an analysis of 86 cases. Rev. Gastroenter., 1941, 8: 439-46.—**Lloyd, T. P.** Diverticulosis and diverticulitis of the intestinal tract. N. Orleans M. & S. J., 1937, 90: 196-9.—**Novaro, R., Basabe, H., & Bordo, H. E.** Diverticulosis intestinal. Sem. méd., Bas., 1940, 47: pt. 1, 352-5.—**Oviedo Bustos, J. M.** Diverticulosis y diverticulitis del intestino grueso. Actas Congr. nac. med., Rosario, 1934, 5: pt. 4, 168-84.—**Pate, H. R. G.** Diverticulosis and diverticulitis. Austral. N. Zealand J. Surg., 1941-42, 11: 110-22.—**Prat, J.** Diverticulose et diverticulites. Bull. Soc. nat. chir., Par., 1930, 56: 1079-99.—**Rosser, C., & Kerr, J. G.** Diverticulosis and diverticulitis. In Dis. Digest. System (Portis, S. A.) Phila., 1941, 899-915.—**Sviridov, K. K.** [Diverticulosis and diverticulitis of the intestines] Vrach. delo, 1935, 18: 661-4.—**Taube, H. N.** Diverticulosis and diverticulitis. Univ. Toronto M. J., 1930-31, 8: 13-22.

— Drainage.

See Intestine, Intubation.

— Effect of diet.

See also subheadings (Bacteria: Variability; Disease, Treatment: Diet)

BECKMANN, F. K. *Dünndarm und Dickdarm der Ratten in Abhängigkeit ihrer Gestaltung von pflanzlicher und tierischer Nahrung. 28p. 8° Greifsw., 1932.

MAURER, W. *Die Darmbakterienflora gesunder, erwachsener Menschen und ihre Beeinflussung durch den Genuss von Milch und Milcherzeugnissen; Beitrag zur Kenntnis der Darm-Milchsäure-Bakterien. 77p. 8° [Kiel, 1929]

Voss, A. [K. C.] *Die Milchsäurebakterienflora im Darminhalt des Rindes und ihre Beeinflussung durch Rübenblätterfütterung [Kiel] p.383-422. 8° Berl., 1929.

Also Milchwirtschaftl. Forsch., 1929, 8:

Bodkin, M. L. The relation of food to the intestinal bacteria. Med. Times, N. Y., 1928, 56: 315; 325.—**Catell.** Einfluss verschiedener Ernährungsformen auf Darmbewegung und Darmreizbarkeit. Deut. med. Wschr., 1926, 52: 1280.—

- Catel, W. Weitere Studien am Tierdarm; über den Einfluss bakteriell zersetzter Milch (einschliesslich der Buttermilch und Eiweissmilch) auf die Peristaltik. *Jahrb. Kinderh.*, 1927, 3, F. 67: 33-64. — Tierexperimentelle Untersuchungen über den Einfluss von Frauen- und Kuhmilch sowie ihrer Molken auf die Peristaltik. *Mscr. Kinderh.*, 1929, 44: 91-6. — Domini, G. Sulle modificazioni di struttura del villo intestinale in animali sottoposti a regimi carenzati. *Atti Accad. fisocr. Siena*, 1934, 11, ser., 2: Suppl., 179-87, pl. — Sulle modificazioni di struttura del villo intestinale in animali sottoposti a regime carenzati; osservazioni nell'avitaminosi della cavia. *Boll. Soc. ital. biol. sper.*, 1934, 9: 1300-2. — Elven, E. Fütterungsversuche an Kaulquappen, mit besonderer Berücksichtigung der Babákschen Experimente über die Beeinflussbarkeit der Darmlänge durch verschiedene Nahrung. *Arch. Entwmech.*, 1928, 113: 61-95. — Eppright, E. S., Valley, G., & Smith, A. H. Influence of salts in the diet on the intestinal flora of the albino rat. *J. Bact., Balt.*, 1937, 34: 81-97. — Forti, C. Sulle modificazioni indotte da alcune diete sulla flora intestinale del ratto albino. *Boll. Soc. ital. biol. sper.*, 1929, 4: 24-7. — Grindlay, J. H., & Mann, F. C. Effect of liquid and solid meals on intestinal activity. *Am. J. Digest. Dis.*, 1941, 8: 324-7. — Gudjonsson, S. V. [The rate of food passing through intestine of rats fed with normal and deficient food] *Hospitalstidende*, 1927, 70: 1225-42. — Hintzsche, E., & Tanner, E. Ueber Beziehungen zwischen Nahrungsaufnahme und Kerngrösse des Darmepithels. *Zschr. mikr. anat. Forsch.*, 1937, 42: 165-92. — Kendall, A. I., Day, A. A., & Walker, A. W. Chemistry of the intestinal bacteria of artificially fed infants; studies in bacterial metabolism. *J. Infect. Dis.*, 1926, 38: 205-10. — Kessel, J. F. Effect of milk, lactose and lactic acid on intestinal bacteria and protozoa. *Proc. Soc. Exp. Biol.*, N. Y., 1929-30, 27: 113-8. — Kestner, O. Nahrung und Darmentwicklung. *Arch. ges. Physiol.*, 1929, 222: 662-9. — Khaskina-Munder, G. N. [Changes in normal intestinal microflora in children in relation to diet] *J. mikrob., Moskva*, 1941, No. 7, 126-32. — Magee, H. E., Andeson, W., & McCallum, J. Some remote effects of deficient diets on the rhythmic movements of the isolated intestine. *Q. J. Exp. Physiol., Lond.*, 1928, 19: 171-9. — Manzini, C. Ricerche sulla flora batterica aerobica dell'intestino; modificazioni della flora intestinale per diversi tipi di alimentazione. *Boll. Ist. sieroter. milan.*, 1936, 15: 357-60. — Núñez, C. J. Les indices de l'activité bactérienne, à divers hauteurs du tractus intestinal des chiens soumis à des régimes spéciaux. *C. rend. Soc. biol.*, 1936, 123: 707. — Petran, E. Intestinal flora of monkeys and dogs during digestion and following the direct introduction of food substances into the cecum and into isolated segments of bowel. *J. Infect. Dis.*, 1935, 57: 296-314. — Roux, J. C., & Goiffon, R. L'équilibre microbien intestinal; la régulation des germes de l'intestin; la dysmicrobie digestive. *Presse méd.*, 1935, 43: 81-3. — Schieblich, M. Die Metschnikoffsche Theorie und der Einfluss der Kost auf Darmflora, Wachstum, Fortpflanzung, Gebaren und Blutbild der weissen Ratte; die Beschaffenheit des Darminhaltes, beziehungsweise der Fäzes, und die Gestaltung der Darm-, beziehungsweise Kotflora bei gemischter Kost. *Zbl. Bakt.*, 1. Abt., 1929, 112: 188-205. — Die Beschaffenheit des Darminhaltes, beziehungsweise der Fäzes, und die Gestaltung der Darm-, beziehungsweise Kotflora bei animalischer Kost. *Ibid.*, 497-505. — Sullivan, N. P., & Manville, I. A. The relationship of the diet to the self-regulatory defense mechanism; hydrogen-ion concentration and bacterial flora. *Am. J. Digest. Dis.*, 1938-39, 5: 428-32. — Sun, T. P. A. The effect of starvation and refeeding on the intestinal epithelium of the albino-mouse. *Chin. J. Physiol.*, 1927, 1: 1-6. — Weinstein, L., & Weiss, J. E. The influence of certain dried fruits and adsorbing agents on the intestinal flora of white rats. *J. Infect. Dis.*, 1937, 60: 1-5. — Gillespie, R. W. H. The influence of diet on the L. acidophilus content and H-ion concentration of the intestine. *J. Bact., Balt.*, 1938, 35: 515-25. — Westenbrink, H. G. K. [Adaptability of the intestinal absorption to the composition of food] *Ned. tschr. geneesk.*, 1934, 78: 2664-6. — Wetzel, G. Weitere Veränderungen des Darmkanals bei pflanzlicher und tierischer Nahrung. *Verh. Anat. Ges.*, 1931, 40: 275-8. — Wierda, J. L. Measurements and observations upon the intestine of rats fed unbalanced and supplemented diets. *Am. J. Anat.*, 1942, 70: 433-53, pl. — Winivarter, H. de. Influence du régime albumineux sur le nombre des leucocytes de la muqueuse intestinale de la souris. *C. rend. Soc. biol.*, 1930, 104: 121-3.
- 1936, 60: 221-36, 2 pl. — Carey, E. J. Causes and results of the spiral growth of the alimentary epithelial tube. *Anat. Rec.*, 1920-21, 18: 225. — Evenius, C. Der Verschluss zwischen Vorder- und Mitteldarm bei der postembryonalen Entwicklung von *Apis mellifica* L. *Zool. Anz.*, 1926, 68: 249-62. — Francescon, A. Impianti embriionarii corioallantoidei di borsa di Fabricio e di intestino. *Boll. Soc. ital. biol. sper.*, 1932, 7: 902. — Grunwald, E. La torsion intestinale chez les reptiles; étude d'anatomie comparée. *Arch. anat., Strasb.*, 1931-32, 14: 165-203. — Henson, H. On the development of the mid-gut in the larval stages of *Vanessa urticae* (Lepidoptera). *Q. J. Microsc. Sc., Lond.*, 1929, 73: 87-105, pl. — Jacobshagen, E. Das Problem des Spiraldarms. *Morph. Jahrb.*, 1931, 67: 677; 1933-34, 73: 392. — Zur Genese des Zwischendarms der Schachier. *Anat. Anz.*, 1932, 74: 129-41. — Kästner, A. Die stammesgeschichtliche Entwicklung der Darmblindsäcke bei den Opiliones. *Zool. Anz.*, 1934, 106: 257-72. — Kelsall, M. A. Structure of the sacculus in the procolon of the pika. *J. Morph.*, 1942, 70: 115-9, pl. — Kleczkowski, A. Die morphologischen Veränderungen des Darmkanals bei der Maus während der Embryonalentwicklung und nach der Geburt. *Bull. internat. Acad. polon. sc.*, 1938, cl. méd., 543-56. — Krüger, W. Die vergleichende Entwicklungsgeschichte im Dienste der Lösung des Homologisierungsproblems an den Darm- und Gekrösabschnitten des Menschen und einiger Haussäugetiere (Hund, Katze, Pferd, Schwein und Wiederkäuer). *Zschr. ges. Anat.*, 1. Abt., 1929, 90: 458-548. — Marcus, E. Zur Entwicklungsgeschichte des Vorderdarmes der Amphibien. *Zool. Jahrb.*, 1930, 52: Abt. Anat., 405-86. — Zur Entwicklungsgeschichte des Vorderdarmes der Schachier. *Ibid.*, 1931, 54: 105-36. — Maruyama, I. Die Verteilung und das Ab- bez. Zunehmen des Glykogens in der Darmschleimhaut der Säugetierembryonen, und dessen physiologische Bedeutung. *Okayama igakkai zasshi*, 1928, 40: 1332. — Pap, K. [On the development of the inner wall of the intestines] *Magy. orv. arch.*, 1933, 34: 521-37. — Histomechanische Beiträge zur Entwicklung der Oberfläche und Gewebsstruktur des Hühnerdarms. *Zschr. ges. Anat.*, 1. Abt., 1933, 101: 153-67. — Patzelt, V. Die feinere Ausbildung des menschlichen Darmes von der 5. Woche bis zur Geburt. *Zschr. mikr. anat. Forsch.*, 1931, 27: 269-518. — Die Phylogenese des Darmes; ein Beitrag zur Biologie für Mediziner. *Wien. med. Wschr.*, 1937, 87: 576. — Peyron, A. Sur la disposition initiale des vestiges de l'intestin caudal chez l'embryon de mouton. *C. rend. Soc. biol.*, 1928, 99: 1801. — Reisinger, E. Entwicklungsgeschichtliche Untersuchungen am Amphibien-vorderdarm (gleichzeitig ein Beitrag zur Keimblattspezifität und zur prospektiven Bedeutung des Mesektoderms) *Arch. Entwmech.*, 1933, 129: 445-502. — Richards, A. G., jr. Comments on the origin of the midgut in insects. *J. Morph. Physiol.*, 1932, 53: 433-41. — Richins, C. A. Development of the midgut in the *Aedes dorsalis* larva. *Anat. Rec.*, 1941, 81: Suppl., 39 (Abstr.). — Runnström, J. Regulatorische Bildung von Cölomanlagen bei Seeigelkeimen mit gehemmter Urdarmbildung. *Arch. Entwmech.*, 1925, 105: 114-9. — Schmidt, H. Die Abhängigkeit der Darmgestaltung der Landpulmonaten von phylogenetischen und ökologischen Faktoren sowie von der Gehäuseform. *Arch. Naturgesch.*, 1936, n. F., 5: 23-92. — Stuart, R. R. The development of the mid-intestine in *Melanoplus differentialis* (Acrididae: Orthoptera). *J. Morph.*, 1935, 58: 419-36, 2 pl. — Taure Gómez, M. Evolución del intestino posterior en el embrión humano. *Ars medica, Barcel.*, 1929, 5: 333-55. — Ulrich, E. Zur embryonalen Entwicklung des Pferdedarmes. *Morph. Jahrb.*, 1926, 56: 189-222. — Wijhe, J. W. van [Adhesive apparatus and function of the ilio-colic ring in the living amphioxus larva during the growth period] *Verh. Akad. wet. Amsterdam*, 1927, 36: pt 2, Afd. Nat., 711-22.

Emphysema.

See also subheading Pneumatosis cystoides.

- Biester, H. E., Eveleth, D. F., & Yamashiro, Y. Intestinal emphysema in swine. *J. Am. Vet. M. Ass.*, 1936, 88: 714-31. — Eveleth, D. F., & Biester, H. E. Further studies on intestinal emphysema of swine. *Am. J. Hyg.*, 1938, 27: 364-9. — Janusz, W. Durch Askariden bewirktes Intestinalempysem. *Frankf. Zschr. Path.*, 1926, 34: 446-50.

Endometriosis.

- Biebl, M. Zur Adenomyosis (Endometriosis) des Darmes. *Virchows Arch.*, 1927, 264: 71-85. — Cattell, R. B. Endometriosis of the colon and rectum with intestinal obstruction. *Tr. N. England Surg. Soc.*, 1936, 19: 44-76. — Grigsby, G. P. Endometriosis as a cause of intestinal obstruction; report of 2 cases. *South. Surgeon*, 1941, 10: 8-12. — Hepburn, J. J. Endometriosis as a cause of acute intestinal obstruction. *Tr. N. England Surg. Soc.*, 1936, 19: 35-43. — Also N. England J. M., 1937, 217: 6-8. — Hultén, O. Om endometrios som orsak till ileus. *Nord. med.*, 1941, 10: 1492-6. — Lamare, J. P., Larget, M., & Isidor, P. L'endométriose de l'intestin; contribution à la théorie métabolique de R. Meyer. *Ann. anat. path.*, Par., 1938, 15: 623-33. — Morrin, F. J. Endometriosis; a cause of intestinal obstruction. *Irish J. M. Sc.*, 1942, 6. ser., No. 198, 207-11. — Mouat, T. B. Two cases of stricture of the bowel by misplaced endometrial tissue. *Brit. J. Surg.*, 1926-27, 14: 76-82. — Schuler, B. Ileus durch endometrioide Wucherungen der Darmwand. *Zbl. Chir.*, 1931, 58: 399-401.

Embryology.

See also Coeloma; Entoderm.

GRUNWALD, E. J. *La torsion intestinale chez les reptiles. 37p. 8°. Strasb., 1932.

MAYER, C. *Ueber die Sonderungsvorgänge im Urdarmdach, die Bedeutung und das Schicksal der hypochondralen Platte bei anuren Amphibien [München] p.469-521. 8°. Berl., 1931.

Also Arch. Entwmech., 1931, 124:

Bernhardt, F. Beitrag zur Kenntnis der Gymnophionen; ein Spiraldarm in der Gymnophionenentwicklung. *Morph. Jahrb.*, 1935, 76: 495-503. — Brown, M. G. Collapse of the archenteron in embryos of *Amphystoma* and *Rana*. *J. Exp. Zool.*, 1941, 88: 95-106. — Bushnell, R. J. The development and metamorphosis of the mid-intestinal epithelium of *Acanthoscelides obtectus* (Say.) (Coleoptera). *J. Morph. Physiol.*,

— Endocrine aspect.

See also **Enterocrinin; Enterokinase; Intestinal juice; Intestine** subheadings (Extract; Movement; Pharmacology)

KAHLAU, G. *Versuche zur Beeinflussung der gelben Zellen des Darmes durch Hormone. p.190-205. 8° Berl., 1933.

Also Zschr. ges. exp. Med., 1931-32, 80:

MURAYAMA, M. Ueber die im Blute vorhandene darmerregende Substanz. Fukuoka acta med., 1934, 27: 118.—TADA, S. Wechselbeziehungen zwischen Nebennieren-, Pankreas- und Hypophysenhormonen in ihrer Wirkung auf den überlebenden Kaninchendarm. Tohoku J. Exp. M., 1930, 15: 50-69.

— Examination.

See also **Anus, Examination; Endoscopy; Intestine, Intubation; Proctology, Methods; Proctoscopy, etc.**

Aldor, L. Ueber Darmendoskopie. Arch. Verdauungskr., 1926, 38: 271-80.—Bensaude, R. Endoscopie intestinale; sa valeur dans le diagnostic et le traitement des affections rectocoliques. Rev. méd. fr., 1927, 8: 129-32.—Felsen, J. Intestinal illuminator; a device for detecting intestinal lesions in postmortem specimens by reflected and transmitted light. J. Lab. Clin. M., 1935-36, 21: 923-6.—Niimoto, I. Eine Methode für die Beschreibung der Darmbewegung in situ und der Wasserresorption in Kaninchendarm. Okayama igakkai zasshi, 1939, 51: 1120.—Reis, van der. Apparatur zur laufendenden Messung und graphischen Registrierung der Innentemperatur des menschlichen Darmkanals. Deut. med. Wschr., 1926, 52: 108.—Strauss, H. Methodik der Darmuntersuchung. Zschr. ärztl. Fortbild., 1932, 29: 101-3.

— Exclusion.

See also **subheading Surgery.**

Antonoli, G. M. Ricerche sulla flora microbica di segmenti intestinali esclusi. Arch. ital. chir., 1938, 50: 99-106.—Burachevsky, I. I. [Methods in the work with isolated intestine]. Med. biol. J. Leningr., 1928, 4: 127-34.—Burget, G. E. Accessible closed loops of the small intestine and the colon. Am. J. Digest. Dis., 1934, 35: 1: 722-4.—Cinquemani, F. Esclusion intestinale aseptica. Cult. med. mod., Pal., 1931, 10: 923-9.—Costantini, H. Un procédé simple de fermeture des anses intestinales exclues; résection de la muqueuse. J. chir., Par., 1940, 56: 59.—Docimo, L. Il comportamento fisiologico ed anatomico di brevi tratti di intestino compresi tra due anastomosi. Arch. ital. mal. app. diger., 1932-33, 2: 52-64.—Doster-Virtue, M. E., & Virtue, R. W. A method of preparing isolated intestinal loops in the dog. Proc. Soc. Exp. Biol., N. Y., 1940, 45: 813-6.—Jansen, H. Ein neues Verfahren zur totalen Darmausschaltung ohne äussere Fistelbildung. Arch. klin. Chir., 1930-31, 163: 614-25.—Langenskiöld, F. [Disadvantages and dangers of lateral anastomoses and intestinal exclusions; contribution to the technic of intestinal excision]. Fin. läk. säll. hand., 1927, 69: 592-604.—McClintock, J. T., & Hines, H. H. Occurrence of heat labile toxins in closed intestinal loops. Proc. Soc. Exp. Biol., N. Y., 1928-29, 26: 654.—Martzloff, K. H., & Burget, G. E. The closed intestinal loop; aseptic end-to-end intestinal loop suitable for physiologic studies. Arch. Surg., 1931, 23: 26-37.—Nakano, M. Experimentelle Untersuchungen über den Bewegungsvorgang des ausgeschalteten Darmes und über die Betrachtung der experimentellen Darmanastomose; experimentelle Untersuchungen über den Bewegungsvorgang des ausgeschalteten Darmes. Mitt. Med. Akad. Kioto, 1937, 21: 895-7.—Pollaczek, K. F. Ein Spätfund nach Darmausschaltung. Deut. Zschr. Chir., 1930, 225: 412-29.—Puestow, C. B. The activity of isolated intestinal segments. Arch. Surg., 1932, 24: 565-73.—Quigley, J. P., Highstone, W. H., & Ivy, A. C. A study of the propulsive activity of a Thiéry-Vella loop of intestine. Am. J. Physiol., 1934, 108: 151-8.—Smith, V. The bacterial flora of isolated intestinal segments. J. Infect. Dis., 1931, 48: 295-303.—Wernke, O., & Levine, M. M. [Zur Physiologie isolierter Darmschlingen des Dünn- und des Dickdarmes beim Menschen]. J. Physiol. USSR, 1935, 18: 266-75.—Zaitzev, G. P. [One stage operation of the large intestine (excluding rectum)]. Vest. khir., 1931, 24: 49-62.—Zintel, H. A. A new transparent chamber for exteriorizing a loop of intestine and its mesentery. Anat. Rec., 1936, 66: 437-47.

— Excretion.

See also **Intestinal juice, Secretion; also under names of excreted substances.**

MÜLLER, K. *Untersuchungen über die Exkretionstätigkeit des Darmes bei wechselwarmen Wirbeltieren [Leipzig] 16p. 8° Rudolstadt, 1934.

Goldman, M., & Cytronberg, S. Recherches sur l'élimination du chlore et des substances azotées par la muqueuse intestinale dans l'azotémie expérimentale. Bull. internat.

Acad. polon. sc., 1930, 367-72.—Igarashi, S., & Sen Nagai. Studien über die Ausscheidungsfähigkeit des Darms. Bull. Battle Creek Sanit., 1929, 24: 413-18.—Li, I. Beitrag zur Kenntnis über die Ausscheidung der organischen Farbstoffe durch den Darmtraktus. Jap. J. Gastroenter., 1935, 7: Biol. Suppl., 564-7.—Lison, L. Excrétion intestinale et athrocytose discriminante chez Machilis maritima Leach, insecto thysanoure. C. rend. Soc. biol., 1939, 132: 309.—Purjesz, B., & Kup, J. Tierexperimentelle Untersuchungen über die Ausscheidungsfunktion der Darmwand. Zschr. ges. exp. Med., 1929, 66: 419-35.—Sperry, W. M. Endogenous lipid excretion. Sunti Congr. internaz. fisiol., 1932, 14. Congr., 238. — Lipid excretion; the lipid content of the intestinal mucosa. J. Biol. Chem., 1932, 96: 759-68.—Angevine, R. W. Lipid excretion; the secretion of lipids into the intestine. Ibid., 769-86.—Strasburger, J. Der Darm als Exkretionsorgan. In Handb. norm. path. Physiol. (Bethel, von Bergmann, et al.) Berl., 1929, 4: 681-708.

— Explantation.

Bisceglie, V. Studi sui tessuti espiantati; l'attività portalica degli espianti di intestino embrionale. Arch. exp. Zellforsch., 1931, 12: 86-101.—Studi sui tessuti espiantati; le modalità di accrescimento ed i caratteri strutturali delle cellule di intestino embrionale di polle. Ibid., 102-24, pl.—Ellis, C. G. Differential survival in isolated strips of frog intestine. Proc. Soc. Exp. Biol., N. Y., 1937-38, 37: 68-71.—Mielke, O. Untersuchungen am isolierten überlebenden Darm. Arch. ges. Physiol., 1928-29, 221: 742-50.—Morin, G. Les données physiologiques et les problèmes histophysiologiques relatifs à l'intestin isolé. Bull. histol. appl., Par., 1929, 6: 234-58.—Puestow, C. B. Studies on the activity of isolated intestinal segments. Proc. Mayo Clin., 1931, 6: 131-3.

— Extract.

Di Frisco, S. Sur l'action des extraits duodénaux et intestinaux, de lapin, sur la lipodirée du foie en autolyse aseptique. Arch. internat. physiol., Liège, 1927, 28: 293-9.—Dixon, W. E., & Wadia, J. H. The action of intestinal extracts (preliminary communication). Brit. M. J., 1926, 1: 820.—Erös, G., & Kunos, I. [Research on the antianemic effect of intestinal mucosa]. Gyógyászat, 1935, 75: 745-8.—Gaddum, J. H., & Schild, H. Depressor substances in extracts of intestine. J. Physiol., Lond., 1934-35, 83: 1-14.—Laszt, L. Die Phosphorylierung verschiedener Zucker durch Darmschleimhautextrakte. Biochem. Zschr., 1935, 276: 44-8.—Manzini, C. Sulla presenza di un ormone diuretico nella mucosa intestinale. Biochem. ter. sper., 1934, 21: 185-9.—Moldenshardt, H. Torantil, ein aus Darmschleimhaut gewonnenes Präparat. Med. Klin., Berl., 1936, 32: 153-6.—Nowinski, W. Die vermännlichende Wirkung fraktionierter Darmextrakte des Weibchen auf die Larven der Bonellia viridis. Pubbl. Staz. zool. Napoli, 1934, 14: 110-45.

— Fibroma.

KREZDORN, B. *Ueber die gutartigen Stützsubstanz-Geschwülste des Darmes mit besonderer Berücksichtigung der Fibromyome auf Grund der Untersuchung eines eigenen Falles. 23p. 8° Tüb., 1935.

Armingeat, J. Occlusion intestinale par fibrome; relation d'une observation. Bull. Soc. chir. Paris, 1939, 31: 211-9.—Bleyer, L. F. Clinical pathological aspect of intestinal fibromatosis. Am. J. Surg., 1934, 26: 561-5.—Clifton, H. C., & Landry, B. B. Fibromatosis of the intestines, report of a case and review of the literature. Boston M. & S. J., 1927, 197: 8-19.—Esau, F. Fibrome des Darms. Arch. klin. Chir., 1927-28, 149: 418-20.—Kudirka, S. [Intestinal fibroma enclosed in hernial sac]. Medicina, Kaunas, 1934, 15: 15-23.

— Fistula.

For surgically prepared fistula see **Enterostomy**. See also **Intestine, Surgery; Anastomosis**.

BAC, H. F. *Le traitement rationnel des fistules vésico-intestinales non-néoplasiques. 95p. 8° Par., 1924.

MURAWSKY, W. J. *Fecal fistula [Providence Hosp.] 16p. 4° Det., 1929.

WEINTZ, F. *Ueber Blasen- und Nierenbecken-Darmfisteln. 28p. 8° Erlangen, 1932.

Arlotta, M. Vecchia fistola intestinale, enterectomia, guarigione. Cult. med. mod., Pal., 1931, 10: 169-74.—Bailey, H. Acquired vesico-intestinal and urethro-intestinal fistulae. Brit. J. Urol., 1929, 1: 175-81.—Baker, H. L. The repair of intestinal fistulae. Ann. Surg., 1932, 95: 687-99.—Bedrna, J., & Sixl, A. [Two rare cases of entero-vesical fistula]. Cas. lék. česk., 1933, 72: 801-5, 4 pl.—Simon, J. Zwei seltene entero-vesicale Fisteln. Zschr. urol. Chir., 1933, 37: 361-73.—Berezov, E. L. [Post-operative gastro-collointestinal fistulas]. Nov. khir. arkh., 1941, 49: 92-100.—Blanton, W. B., & White,

J. C. Spontaneous fecal fistula through the anterior abdominal wall; report of a case. *Virginia M. Month.*, 1929-30, 56: 467-9.—**Bonnet, A. V.** Deux cas de fistules vésico-intestinales d'origine néoplasique. *Marseille méd.*, 1926, 63: 1465-9.—**Botto Micca, A.** Contributo allo studio delle fistole stercoracee traumatiche. *Gior. ital. mal. esot.*, 1937, 10: 186-9.—**Brams, J., & Brams, W. A.** Enterocolic fistula on a carcinomatous basis. *Illinois M. J.*, 1926, 49: 253.—**Caldbeck, S. L.** Two cases of visceral fistula; treated without secondary operation. *Surg. Clin. N. America*, 1928, 8: 1337-40.—**Cervensky, J.** [Stereocolic fistulas] *Bratisl. lek. listy*, 1937, 17: 649-57.—**Curb, D. L.** Enterocolic fistula; with report of a case due to tumor. *Bull. John Sealy Hosp., Galvest.*, 1939, 1: 109-12.—**Di Maio, G.** Fistole intestino-vesicali. *Osp. maggiore, Milano*, 1936, 24: 18-27.—**Dixon, C. F.** The management of intestinal fistula. *Proc. Mayo Clin.*, 1938, 13: 744-6.—**Deuter- man, J. L.** The management of external intestinal fistulas. *J. Am. M. Ass.*, 1938, 111: 2095-101.—**Dobson, J. F., & Moir, P. J.** Vesico-intestinal fistula. *Brit. J. Urol.*, 1932, 4: 122-31.—**Dossot, R.** Les fistules vésico-intestinales. *J. méd. chir., Par.*, 1935, 106: 327-33.—**Duval, P., & Ameline, A.** Fistules stercorales et pyo-stercorales; anus contre nature. In *Précis path. chir.*, 6. éd., Par., 1938, 4: 667-77.—**Fecher, K.** Die Behandlung von Darmfisteln mittels Oeltampons. *Med. Klin., Berl.*, 1925, 21: 891.—**Fowler, H. A.** Intestino-vesical fistula; report of a case. *Tr. Am. Ass. Genitourin. Surg.*, 1929, 22: 347-63.—**Fox, F. G.** Two case reports: treatment of erosion of skin of abdomen due to fecal fistula; feeding by proctoclysis of food obtained by suction from an intestinal fistula. *U. S. Nav. M. Bull.*, 1936, 34: 547-50.—**Gaffney, L. B.** Enterocolic fistula. *Cleveland Clin. Q.*, 1932, 1: 109-22.—**Gagliardi, P.** Su due casi di fistole intestinali esterne. *Gior. med. mil.*, 1930, 78: 143-51.—**Gioja, E.** Patogenesi e cura delle fistole stercoracee consecutive ad appendicectomia o ad incisione di ascessi peripendicolari. *Boll. Soc. med. chir., Pavia*, 1930, 44: 465-507, ch.—**Guido, F. R.** A rational, nonsurgical treatment for intestinal fistulas; report of a case. *J. Am. M. Ass.*, 1934, 102: 2176-8.—**Guimy, L.** La merveilleuse défense du péritoine dans les fistules stercorales et infections. *Arch. méd. belges*, 1933, 86: 5-8.—**Heineck, A. P.** Acquired external fecal fistula involving the anterior or lateral abdominal wall. *Med. Arts*, 1934, 37: 57-64. Also *Tristate M. J.*, 1934, 6: 1228-32. Also *West. J. Surg.*, 1934, 42: 282-7.—**Herbst, R. H., & Miller, E. M.** Vesico-intestinal fistulas caused by foreign bodies in the bowel. *J. Am. M. Ass.*, 1936, 106: 2125-8.—**Higgins, C. C.** Vesico-intestinal fistula. *J. Urol.*, 1936, 36: 694-709.—**Judd, E. S., & Phillips, J. R.** A new method of improving the condition of the abdominal wall preliminary to closure of intestinal fistulas. *Surg. Clin. N. America*, 1934, 14: 521-49.—**Kâzim İsmail Gürkan** [Opera- tive treatment of a double stercoral fistula] *Bull. Soc. turque méd.*, 1941, 7: 77.—**Lamson, O. F.** Multiple fecal fistulae. *Surg. Clin. N. America*, 1933, 13: 1423-7.—**Legg, A. R.** Faecal fistulae. *China M. J.*, 1929, 43: 268.—**Leland, H. L.** Vesicointestinal fistula. *N. England J. M.*, 1935, 213: 44-6.—**Lewis, D., & Penick, R. M., Jr.** Fecal fistulae. *Internat. Clin.*, 1933, 43, ser., 1: 111-30.—**Mandanas, A., Guzman, F. C., & Meñez, S. C.** Fecal fistulae. *J. Philippine Island M. Ass.*, 1939, 19: 541-7.—**Mayo, C. H., & Dixon, C. E.** Fecal fistula; report of a case. *Surg. Clin. N. America*, 1927, 7: 1387-9.—**Mayo, C. W., & Schlicke, C. P.** The surgical management of fecal fistulae. *Ann. Surg.*, 1941, 114: 1011-7.—**Mesa, C.** Fistulas enterocutaneas completas. *Rev. cir. B. Aires*, 1939, 18: 154-60.—**Michalowski, E., & Vogelfanger, I.** Ueber die Störungen des Blutehemismus bei Darmfisteln. *Arch. klin. Chir.*, 1937, 188: 167-70.—**Mock, J.** Du traitement de cer- taines complications urinaires par la séro- et la vaccinothérapie; fistula stercorale suite d'abcès périnéphritique. *P. verb. Congr. fr. chir.*, 1921, 30: 418-21.—**Morison, R., Cuff, C. H., & Russell, W. K.** A case of fecal fistula. *Newcastle M. J.*, 1920-21, 1: 33.—**Morrissey, J. H.** Vesico-intestinal fistulas. *J. Am. M. Ass.*, 1931, 96: 843-7.—**Mugnai, U.** Sull'insorgenza di una fistola entero-addominale in gravidanza. *Monit. ostet. gin.*, 1938, 10: 438-49.—**Ockerblad, N. F.** Vesico-intestinal fistula: three case reports. *South. M. J.*, 1931, 24: 346-50.—**Pedroli, G.** Contributo alla conoscenza delle fistole entero- vesicali (ricerche sperimentali) *Policlinico*, 1928, 35: sez. chir., 185-212.—**Pelkonen, E.** Zur Behandlung der Darm- fisteln bei Beckenorganerkrankungen. *Arch. klin. Chir.*, 1934, 179: 599-604.—**Penzias, M.** [Diagnosis and localization of vesico-intestinal fistulae] *Polska gaz. lek.*, 1929, 8: 797.—**Perrucci, A.** Fistola vesico-intestinale guarita senza inter- vento chirurgico. *Arch. ital. urol.*, 1925, 2: 157-61.—**Pólya, J.** [Cure of intestinal fistulas] *Orv. hetil.*, 1937, 81: mell., 42-4.—**Ransom, H. K.** Intestinal fistulae. *Univ. Hosp. Bull.*, *Ann Arb.*, 1935, 1: 8.—**Coller, F. A.** Intestinal fistula. *J. Michigan M. Soc.*, 1935, 34: 281-8.—**Rees, C. E.** Dried milk as a dressing for intestinal fistula; report of case. *Califor- nia West. M. J.*, 1929, 30: 419.—**Richards, C. G.** Fistulae of the bladder. *Wisconsin M. J.*, 1925-26, 24: 63-6.—**Rohkind, I.** [Treatment of external fecal fistulas] *Vest. khir.*, 1931, 24: 81-95.—**Roy, F.** Considérations sur le traitement des fistules intestinales. *Laval méd.*, 1940, 5: 286-9.—**Rumney, W. J.** An enteric fistula in a dog. *Canad. J. Comp. M.*, 1940, 4: 177.—**Schlicke, C. P., & Dixon, C. F.** External fecal fistula of eighteen years' duration; report of a case. *Proc. Mayo Clin.*, 1940, 15: 400-11.—**Sénèque, J.** Sur l'utilisation de la prothèse enrouthonnée dans le traitement des fistules intes- tinales. *Mém. Acad. chir., Par.*, 1939, 65: 765.—**Silvers, H. I.** Intestinal fistula. *Med. World*, 1935, 53: 717-9.—**Starlinger,**

F. Zur Kasuistik der inneren Darmfistel. *Zbl. Chir.*, 1925, 52: 2053-5.—**Stone, M. M.** A new apparatus for mechanical control of intestinal fistulae; a preliminary report. *Am. J. Surg.*, 1941, 53: 374-6. **Vas, S.** [Ein Fall von durch irrigo- skopische Röntgenuntersuchung festgestellter Fistel zwischen Dünn- und Dickdarm] *Magy. röntg. közl.*, 1939, 13: 45-9.—**Verebely, T.** [Value of surgery in treatment of gastrocolic fistulas] *Orv. hetil.*, 1940, 84: 621.—**White, M.** Intestino- vesical fistula. *Glasgow M. J.*, 1934, 121: 59-61.—**Willan, R. J.** Intestino-vesical fistula. *Brit. M. J.*, 1933, 1: 140-2.—**Yosida, S.** Ueber die Blasendarmfistel. *Acta dermat., Kyoto*, 1930, 16: 437-40.

Foreign body.

See also Abdomen, Foreign body; Esophagus, Foreign body; Intestine, Fistula; Intestine, Per- foration; Stomach, Foreign body.

Buff, H. U. *Ueber Darmperforationen durch Fremdkörper. 33p. 22½cm. Zür., 1939.

Ménager, A. M. *Essai sur la tolérance de l'intestin pour les corps étrangers dangereux. 61p. 8° Par., 1933.

Wilkening, D. [geb. Nikolić] Fremdkörper im Darm. 29p. 8° Berl., 1930.

Barber, B. [Conservative treatment; foreign bodies swal- lowed by children] *Cas. lék. česk.*, 1938, 77: 138.—**Bearse, C.** Fishbones as a cause of intestinal perforation. *N. England J. M.*, 1929, 201: 885.—**Blomquist, H. E.** Swallowed foreign bodies] *Fin. læk. säll. hand.*, 1937, 80: 583-607.—**Bowen, J. E., Chambers, G., & Johnston, W. R.** Foreign bodies in the intestinal tract. *Brit. M. J.*, 1938, 1: 514.—**Bunch, G. H., Burnside, A. F., & Brannon, L. J.** Intestinal perforation from ingested fishbone. *Am. J. Surg.*, 1942, 55: 169-72.—**Burnett, W. E.** Foreign bodies in the intestine. In *Cyclop. Med. (Piersol-Bortz)* Phila., 1939, 8: 87.—**Burton, I. W.** The cotton-wool sandwich. *Brit. M. J.*, 1943, 1: 528.—**Canonne.** Sur un cas d'épiloite aiguë avec sigmoïdite par corps étranger. *Bull. Soc. chir. Paris*, 1932, 24: 265.—**Carp, L.** Foreign bodies in the intestine. *Am. J. Surg.*, 1927, n. ser., 1: 169-72. Also *Ann. Surg.*, 1927, 84: 575-91.—**Christidi.** Compresses champs oubliées dans le ventre et retrouvées dans la lumière intestinale. *Bull. Soc. nat. chir., Par.*, 1934, 60: 446-9.—**Cohn, M.** Verschluckte Fremdkörper. *Röntgenpraxis*, 1932, 4: 897-905.—**Covaro, A. A., & Venturino, H.** Perforación intestinal por cuerpo extraño. *Sem. méd., B. Air.*, 1938, 45: pt 1, 215.—**Crichton, E. C.** [The adventures of a crochet hook lodgment in intestine during attempted abortion] *South. Afr. M. Rec.*, 1926, 24: 549.—**Cullins, J. G.** The end of a medical curiosity. *U. S. Veterans Bur. M. Bull.*, 1927, 3: 463-5.—**Di Bello, G.** Aspetti istologici delle lesioni pseudo-tubercolari da corpi estranei. *Rass. ter. pat. clin.*, 1935, 7: 774-97.—**Eseverri Gainza, J.** La cuestión del cuerpo extraño intestinal en el lactante considerada en su fase social y médica. *Sem. méd., B. Air.*, 1930, 37: pt 1, 1126-33.—**Cuerpo extraño intestinal en el lactante.** *Arch. argent. pediatri.*, 1940, 13: 423.—**Fürstenau, J.** Ueber Darmperforationen durch verschluckte Fischgräten. *Deut. med. Wschr.*, 1929, 55: 1135.—**Ginzburg, L., & Beller, A. J.** The clinical manifestations of non-metallic perforating intestinal foreign bodies. *Ann. Surg.*, 1927, 86: 928-39.—**Goedel, R.** Zur Mentalität der Fremdkörperschlucker, speziell der Gefäßginsinassen. *Deut. Zschr. gericht. Med.*, 1932, 19: 63-75.—**Hawk, C. W., & Randall, K. C.** Foreign body in the intestine. *Brit. Guthrie Clin.*, 1936, 37, 6: 144.—**Hirsch, D. I.** Foreign bodies in the intestine. *N. Orleans M. & S. J.*, 1926-27, 79: 728-33.—**Jackson, C., & Jackson, C. L.** Foreign bodies in the intestines. *Med. Rec., N. Y.*, 1934, 140: 285.—**Kirschbaum, W.** Ueber das absichtliche Verschlucken von Fremdkörpern. *Allg. Zschr. Psychiat.*, 1932, 97: 472.—**Kulik, D. M., & Indikt, G. P.** [Swallowing foreign bodies in reactive states] *Nevropat. psikiat.*, 1936, 5: 1893-99.—**Leyshon, W. J.** Bowel perforation by pebbles in a pig. *Vet. Rec., Lond.*, 1934, 14: 793.—**Loenneken, W.** Fiskebenperforationen. *Med. rev., Bergen*, 1927, 44: 597-603.—**Lorenz, H.** Fall von Fremdkörpern (Nähnadeln) im Darmkanal. *Mitt. Verein. Aerzte Steiermark*, 1925, 62: 1-5.—**Melver, C., & Ghosh, N.** The so-called swallowed foreign body. *Ind. M. Gaz.*, 1930, 65: 569-71.—**Maduram, E.** Two interesting cases of foreign body in the abdomen. *Madras M. J.*, 1937, 17: 20-2, 2 pl.—**Mátay, M.** Durch verschluckte Geflügelknochen verursachte Fälle von Darmperforation. *Zbl. Chir.*, 1935, 62: 726-30.—**Perslow, O.** Ueber verschluckte Fremdkörper. *Acta chir. scand.*, 1935, 76: 63-92.—**Porzelt, W.** Beitrag zur Wanderung von Fremd- körpern aus der Darmlichtung in die freie Bauchhöhle. *Zbl. Chir.*, 1935, 62: 641-4.—**Quénu, J.** Entérotomie pour extrac- tion d'un clou chez un enfant de sept mois; guérison. *Bull. Soc. nat. chir., Par.*, 1927, 53: 1349-52.—**Rainey, W. R.** Foreign bodies in the intestine. In *Modern Med. Ther.* (Barr, D. P.) Balt., 1940, 2: 2355.—**Schliovtzev, S. P.** [Foreign bodies in children's intestinal tract.] *Vrach. delo*, 1926, 9: 1921-22.—**Schiriltz, K.** Ueber einen differentialdiagnostisch und sachlich bemerkenswerten Fall von Fremdkörper im Darm. *Zschr. Kinderh.*, 1930, 49: 194-9.—**Silvestrini, L.** Perforazione intestinale da spina di pesce. *Gazz. internaz. med. chir.*, 1929, 37: 355-9.—**Slovaček, O.** [Swallowing of foreign bodies] *Cas. lék. česk.*, 1929, 68: 230-3.—**Stangl, F. H.**

Intestinal foreign bodies; report of four cases of removal by appendectomy or body posture change. *Minnesota M.*, 1930, 13: 909.—**Téri, M.** [Foreign bodies in intestines] *Gyógyászat*, 1934, 74: 545-7.—**Thiery, P.** Corps étranger sonore de l'intestin. *Mém. Acad. chir., Par.*, 1940, 66: 641.—**Thoresen, E.** (Foreign bodies in the intestine) *Norsk. mag. laegevid.*, 1933, 94: 1241-4.—**Valčić, A.** Ein interessanter Fall eines Corpus alienum im Enteraltrakt. *Zbl. Chir.*, 1939, 66: 2062-5.—**Vander Veer, E. A.** Foreign bodies in the intestinal tract. *Indust. M.*, 1936, 5: 333.—**Walsh, R. A.** swallowed pin and a round-worm; case report. *Brit. M. J.*, 1938, 1: 18.—**Wishart, D. E. S.** The fate of foreign bodies swallowed by children. *Canad. M. Ass. J.*, 1928, 18: 415-8.—**Yorke, C.** The swallowing of open safety-pins. *Brit. M. J.*, 1934, 2: 811.

Foreign body—in animals.

Berge, E. Ueber Diagnose und Therapie der Fremdkörperkrankungen des Verdauungstraktes beim Hunde. *Berl. tierärztl. Wschr.*, 1925, 41: 841-6.—**Gavrilă, I., & Poenaru, I.** [Coprostasis in the dog following ingestion of bones; laparotomy and convalescence] *Rev. vet. mil., Bucur.*, 1939, 10: 25.—**Raust, R.** Volumineux corps étranger intestinal chez un chien de 6 mois. *Rec. méd. vét.*, 1936, 112: 530-4.—**Saxer, E., & Degen, W.** Ein interessanter Fall von Fremdkörper im Darm eines Hundes. *Schweiz. Arch. Tierh.*, 1934, 76: 141-4.—**Schnelle, G. B.** The veterinary radiologist; the intestine. *North Am. Vet.*, 1939, 20: No. 3, 46-52.—**Urbain, A., & Bullier, P.** Corps étranger de l'intestin d'un Casoar (*Casuarus casuarus* L.) péritonite. *Bull. Acad. vét. France*, 1936, 9: 246-8.—**Zepp, C. P.** Enterotomy for the removal of foreign body. *North Am. Vet.*, 1940, 21: 228. — Enterotomy para la extracción de cuerpos extraños. *Rev. med. vet., B. Air.*, 1940, 22: 241.

Function.

See also Intestinal juice, Secretion; also Intestine subheadings (Absorption; Movement; Physiology)

Bisgard, J. D. The effect of hot and cold applications to the abdominal wall and also hot and cold fluids administered by mouth on gastric and intestinal secretory and peristaltic activity. *Surgery*, 1941, 10: 525.—**Bussabarger, R. A.** An improved method for the study of intestinal function. *Proc. Soc. Exp. Biol., N. Y.*, 1939, 42: 50.—**Cytronberg, S.** Recherches expérimentales sur la coopération de la muqueuse intestinale dans la régulation de l'équilibre acide-base de l'organisme. *Bull. internat. Acad. polon. sc.*, 1930, 357-66.—**Eitel, H., & Loeser, A.** Der Einfluss der Chlorverarmung des Organismus auf die Tätigkeit des Darmes. *Deut. Zschr. Chir.*, 1934, 243: 781-91.—**Hasen, J. M.** [Secretory and excretory function of the intestine under reduced barometric pressure] *Arch. biol. nauk*, 1940, 58: No. 3, 87-98. Also *Bull. biol. méd. exp. URSS*, 1940, 9: 451-4. Also *Bull. eksp. biol. méd.*, 1940, 9: 363-7. — Changes in relation between secretory and excretory functions of the intestine] *J. Physiol. USSR*, 1940, 28: 345-53.—**McLoughlin, C. J., Mann, F. C., & Krusen, F. H.** Effect of short wave diathermy on intestinal activity. *Arch. Phys. Ther.*, 1941, 22: 325-32.—**Maliwa, E.** Ueber Flüssigkeitsfortbewegung im Darmkanal. *Wien. med. Wschr.*, 1926, 76: 1083.—**Nisikawa, T.** A simple test meal for the intestine devised by myself. *Sei i kwai*, 1915, 34: No. 2.—**Redi, R.** Le permeabilità intestinale e le alterazioni anatomico-patologiche dell'intestino, in animali portatori di fistola biliare con derivazione completa della bile all'esterno. *Atti Accad. fisicor. Siena*, 1930, 10. ser., 5: 210-9, 2 diagr.—**Reid, P. E., Ivy, A. C., & Quigley, J. P.** Spiral propulsion of a bolus in the intestine. *Am. J. Physiol.*, 1934, 109: 483-7.—**Roskam, J.** Action des variations de température sur l'intestin in situ. *Arch. internat. physiol., Liège*, 1914-20, 15: 345-51.—**Umeda, K.** Zur Morphologie der Darmfunktion. *Tr. Jap. Path. Soc.*, 1929, 19: 123-8.

Gangrene.

See also Gas gangrene; Uremia.

Asoh, R. Experimenteller Beitrag zur Frage der Mesenterialgefäßunterbindung mit und ohne Netzplastik; über die Schutzwirkung der Netzplastik bei der Darmgangrän. *Jap. J. M. Sc.*, 1934-36, 4: Surg., 251.—**Cattaneo, S., & Paparelli, L.** Istoria dell'espulsione di un ansa intestinale. Filiale sehezion. *Nap.*, 1835, 10: 98-101.—**Felsen, J.** Rheumatic intestinal necrosis. *Rev. Gastroenter.*, 1940, 7: 339-44.—**Finaly, R.** [Two cases of gangrene of large intestine] *Ned. tschr. geneesk.*, 1931, 75: pt 3, 4232-8.—**Guggisberg, H.** Der Verschluss der Mesenterialgefäße mit Darmgangrän in der Schwangerschaft. *Schweiz. med. Wschr.*, 1938, 68: 829-31.—**Knoflach, J. G.** Darmgangrän infolge Einwuchern eines Appendixkarzinoids in das Mesenterium. *Zbl. Chir.*, 1930, 57: 1714-8.—**Laurent.** Gangrène intestinale traumatique chez la poule. *Rec. méd. vét.*, 1936, 112: 476.—**Leitman, G. S.** [Gangrene of the intestines caused by arteriosclerosis] *J. teor. prakt. med.*, 1927, 2: 569-75.—**Parcelier & Chénut.** Un cas d'entéro-typhloco-recte gangréneuse. *Bordeaux chir.*, 1935, 6: 148-50.—**Spang, K.** Darmnekrosen bei Hypertonie und Urämie. *Virchows Arch.*, 1934-35, 294: 340-57.

Glands.

Dawson, A. B. On the role of the so-called intestinal glands of Necturus with a note on mucin formation. *Tr. Am. Micr. Soc.*, 1927, 46: 1-14.—**Gubar, V. L.** [Mechanism in transmission of stimuli from the mucosa of the intestine to its glands] *Biull. eksp. biol. méd.*, 1942, 14: No. 4, 33-8. [Inhibition of the intestinal glands] *Ibid.*, 38-41.—**Sawada, Y.** Studies on the mitochondria, metachondria, on Golgi's apparatus and on the silver granules of Lieberkühn's gland cells of the intestine of the white rat. *Jap. J. Exp. M.*, 1935, 13: 441-55, pl.—**Süssbier, W.** Anlage und Metamorphose der Drüsen der Darmwandung bei den Anuren. *Zschr. wiss. Zool.*, 1936, 148: 309-49.—**Zanardi, F.** Sulla cosiddetta ghiandola enterocromaffina. *Arch. ital. chir.*, 1934, 37: 749-82.

Granuloma.

See also Granuloma malignum.

Colp, R. Nonspecific granulomata of the intestine. *Ann. Surg.*, 1938, 107: 74-81.—**Deuterman, J. L., & Dixon, C. F.** Nonspecific granuloma of the intestine. *Proc. Interst. Postgrad. M. Ass. N. America*, 1937, 61-6.—**Ginzburg, L., & Oppenheimer, G. D.** Non-specific granulomata of the intestine (inflammatory tumors and strictures of bowel) *Tr. Am. Gastroenter. Ass.*, 1932, 241-83. Also *Ann. Surg.*, 1933, 98: 1046-62.—**Golob, M.** Infectious granuloma of the intestines, with special reference to the difficulty of preoperative differential diagnosis. *Med. J. & Rec.*, 1932, 135: 390-3.—**Miani, A.** Contributo alla conoscenza delle lesioni dell'intestino ad infiltrato plasmacellulare. *Arch. ital. chir.*, 1929-30, 25: 81-93.—**Mock, H. E.** Infective granuloma of the intestines; with report of 1 case following trauma. *Internat. J. Surg.*, 1928, 41: 1-8.—**Razzaboni, G.** Di una rara lesione della parete intestinale ad infiltrato plasmacellulare. *Arch. ital. chir.*, 1927, 19: 615-32.—**Sailer, S., & McGann, R. J.** Lipophagic granulomatosis of the enteric tract. *Am. J. Digest. Dis.*, 1942, 9: 55-63.—**Santos-Cuyugan, G., & Garcia, E.** Nonspecific granuloma of the intestines; review of the literature and presentation of 6 cases. *Acta med. philip.*, 1941-42, 3: 37-66.—**Vallone, D.** Plasmocitoma dell'intestino. *Ann. ital. chir.*, 1930, 9: 20-32.—**Wilensky, A. O.** Nonspecific granuloma of the intestine. *Med. J. & Rec.*, 1932, 135: 445.

Gynecological aspect.

Alvarez, W. C., & Hosoi, K. Reversed gradients in the bowel of pregnant animals. *Am. J. Obst.*, 1930, 19: 34-45.—**Brookes, H. S.** The lower intestinal tract in relation to gynecology. In *Dis. Women* (Crossen, H. S., & Crossen, R. J.) 9. ed., S. Louis, 1941, 829-45.—**Guthmann, H., & Stähler, F.** Die Lage- und Funktionsänderungen des gesunden Verdauungskanal am Ende der Schwangerschaft. *Zbl. Gyn.*, 1933, 57: 193-209.—**Halter, G., & Pape, R.** Untersuchungen über die Beeinflussung der Darmmotilität durch den normalen Zyklus der Frau. *Wien. Arch. inn. Med.*, 1932-33, 23: 445-74.—**Kuhn, R.** Erkrankungen des Mastdarmes und Darmes bei der Frau. *Aerztl. Rdsch.*, 1929, 39: 66.—**Maxwell, J. P., & Wong, A. I. H.** The intestinal complications of pregnancy, labour, and the puerperium. *Chin. M. J.*, 1932, 46: 115-42, 2 pl.

Helminthosis.

See also Anthelmintics; Helminthosis; Intestine, Parasite; also under names of intestinal worms as Ascaris; Cestoda; Enterobiosis, etc.

CABRIZA, A. S. La verminosis intestinal (antihelmínticos, manera de medicar) 16p. 8°. Asunción, 1934.

MARZARI, G. Ascesso inguinale da perforazione intestinale con uscita di vermi. 6p. 21½cm. Venez., 1878.

REINECKE [W. H.] H. *Ueber einen Fall von Darmperforation durch Ascaris lumbricoides mit nachfolgender Peritonitis nach Kaiserschnitt beobachtet. 27p. 8° [Münch., 1929]

Arthur, H. M. Treatment of intestinal worms. *Med. World*, 1942, 60: 553.—**Barros, P. de.** Indices de coprologia verminótica da zona rural de Garanhuns (Pernambuco) *Bol. Of. san. panamer.*, 1934, 13: 971-6.—**Brüning, H.** Eingeweidewürmer und deren extraenterales Vorkommen mit besonderer Berücksichtigung des Kindesalters. *Münch. med. Wschr.*, 1933, 80: 1765. — Eingeweidewürmer bei Kindern. *Mscrh. Kinderh.*, 1936, 67: 448-54. — Eingeweidewürmer mit besonderer Berücksichtigung des Kindesalters. *Ibid.*, 1938, 72: 103-11.—**Calvo Fonseca, R., Kouri, P., & Basnuevo, J. C.** Porcentaje y distribución geográfica de la verminosis intestinal en Cuba. *Rev. med. trop. parasit.*, Habana, 1938, 4: 231-61.—**Chiari, O.** Wurmkrankheiten im Kindesalter. *Aerztl. Prax.*, Wien, 1936, 10: 291-6.—**Colombo, E.** Perforazione intestinale da elminto diagnosticata ai raggi X. *Riv. radiol.*, 1931, 6: pt 2, 917-22.—**Dembowski, H., & Szidat, L.** Die staatliche Bekämpfung der Eingeweidewürmer bei den Anwohnern des Kurischen Hafes von Mai 1935 bis Ende 1936. *Veröff. Volksgesundhdsdienst.*, 1937-38, 50: 357-491.—**Duprat.** Enquête sur la fréquence des vers intestinaux communs à

São Paulo. Rev. méd. hyg. trop., Par., 1937, 29: 94-103.—**Esseveld** [Infection with intestinal-worm eggs] Geneesk. tsschr. Ned. Indië, 1941, 81: 996-8.—**García de León, V.** Ascariasis; tricocephalosis; enterobiosis. Rev. méd. veracruz., 1936, 16: 2037-55.—**Gupta, P.** Perforation of the intestine by a round worm. Ind. J. M., 1922-23, 3: 1.—**Helmintiasis** intestinal en la población infantil. Bol. Secr. san. benef. Trujillo, 1941, 1: No. 4, 35.—**Keller, A. E., & Leathers, W. S.** The incidence and distribution of *Ascaris lumbricoides*, *Trichuris trichiura* and *Hymenolepis nana* in Mississippi. Am. J. Hyg., 1934, 20: 641-54.—**Killingworth, W. P.** Diagnosis and treatment of the common intestinal worms in children. Med. Rec., Houston, 1943, 37: 544-8.—**Kouri, P., Basnuevo, J. G., & Arenas, R.** De la presencia de huevos raros en heces fecales humanas. Vida nueva, Habana, 1934, 33: 105-13.—**Leathers, W. S., Keller, A. E., & McPhaul, W. A.** The prevalence, distribution and intensity of infestation of *Ascaris lumbricoides*, *Trichocephalus trichiura*, *Hymenolepis nana*, *Enterobius vermicularis* and *Hymenolepis diminuta* in 56 counties of Florida. Am. J. Hyg., 1939, 29: Sect. D, 57-66.—**Leonard, V.** Hexylresorcinol in the treatment of ascariis and hookworm infestation. Tr. Panamer. M. Congr. (1931) 1933, 3. Congr., 752-7.—**Liesch, W.** Zu den Wurmknotchen im Rinderdarm, vorläufige Mitteilung. Zschr. Fleisch Milchw. Hyg., 1933-34, 44: 265-8.—**Monteiro de Barros, O.** Sintomatologia nervosa das verminoses intestinaes. Med. cir. pharm., Rio, 1940, 358-68.—**Musgrave, J. A.** Intestinal worm parasites in relation to public health. Med. Off., Lond., 1935, 54: 245-7.—**Onyszkiewicz, T. S.** [Two cases of ileus verminosus] Polska gaz. lek., 1938, 17: 713.—**Polese, R.** Casi di singolare verminazione. Filatiere sebezio, Nap., 1936, 12: 75-9.—**Raspail, F. V.** Helminthogénose et carpo-génose convulsive et épileptiforme, ou convulsions épileptiques provenant de l'action des vers intestinaux irrités par l'usage immodéré des fruits acres ou non encore murs; document relatif à l'exercice légal et illégal de la médecine. Rev. compl. sc. appl. méd., Par., 1855-56, 2: 197-9.—**Roetti, C.** Verminosi gastro-intestinali del bovino. Vet. Bull., Lond., 1942, 12: 542 (Abstr.).—**Roth, H.** Untersuchungen über die Häufigkeit des Vorkommens von Eingeweidewürmern, speziell von *Trichuris trichiura*, bei Patienten der Kopenhagener Universitäts-Kinderklinik. Acta paediat., Upps., 1936, 19: 104-22.—**Soewadji** [Intestinal worms] Geneesk. tsschr. Ned. Indië, 1939, 79: 4028.—**Tancredi, F.** Síndromes neuro-psico-animicos ligados aos verminoses intestinaes. Rev. Ass. paul. med., 1941, 18: 128 (Abstr.).—**VonderMühl, R.** Erfahrungen mit Antivermol in der Kinderpraxis. Schweiz. med. Wschr., 1930, 60: 299.

Hematoma.

Lamy, M., & Font-Réaulx, P. de. Volumineux hématome de la paroi intestinale avec signes d'occlusion, chez un nourrisson; rôle éventuel d'injections salines intrapéritonéales. Ann. anat. path., Par., 1937, 14: 521-5.—**Rosendahl, C.** [Spontaneous hematoma of intestine; case] Med. rev., Bergen, 1930, 47: 110-3.

Hemorrhage.

See also **Feces, Blood**; also under names of primary disease as **Dysentery**, **amebic**; **Hemorrhagic diathesis**; **Intestine, Cancer**; **Liver, Cirrhosis**; **Peptic ulcer**; **Tuberculosis, intestinal**; **Typhoid fever**, etc.

OLIVIER, J. *L'entérorragie solitaire d'origine colique: contribution à l'étude des hémorragies intestinales cliniquement primitives. 104p. 8°. Par., 1937.

Bellon, J. G. F. E. Diagnostic étiologique des hémorragies intestinales cliniquement constatables et isolées. Arch. méd. pharm. mil., Par., 1933, 98: 585-610.—**Brown, P. W.** Bleeding from the bowel. Illinois M. J., 1934, 66: 79-82.—**Cain, A.** Le diagnostic des grandes entérorragies primitives. Progr. méd., Par., 1937, 992-5.—**Olivier, J.** L'entérorragie rouge solitaire d'origine colique. Presse méd., 1937, 45: 1339-41.—**Castelmo, O.** Le entérorragie post-operative (casi clínico) Rass. internaz. clin. ter., 1928, 9: 30-8.—**Chabe, A.** Pyrexies et hémorragies intestinales. Presse méd., 1940, 48: 502.—**Chatard, J.** A case of intestinal hemorrhage in pneumococcal infection; with clinical remarks. Med. J. & Rec., 1926, 123: 453-5.—**Christiansen, T.** Hyperazotemia in intraintestinal hemorrhage. Acta med. scand., 1936, Suppl. 78, 894-9 [Discussion] 914-6.—**Biochemical changes in the organism produced by massive intra-intestinal hemorrhage.** Rev. Gastroenter., 1937, 4: 166-80.—**Coenacs, J.** [Recurrent hemorrhages into the intestinal tract] Ned. tsschr. geneesk., 1935, 79: 943-5.—**Cromie, D.** Intramural intestinal hemorrhage. Brit. M. J., 1942, 2: 480.—**Deglos.** Hémorragie intestinale, signe révélateur d'une hypertension artérielle modérée mais persistante. Bull. Soc. pédiat. Paris, 1931, 29: 462-4.—**Di Lorenzo, P.** Considerazioni cliniche su due casi di entérorragia. Riv. med., 1933, 41: 1-4.—**Dreyfus, I., & Sapet, M.** Hémorragies intestinales d'origine dentaire. Rev. odont., Par., 1933, 54: 166-9.—**DuBois & Montgomery.** Blood in stools. Case Rep. Child. Mem. Hosp. Chicago, 1943, 2: No. 3, 8.—**Elzas, M.** [Traumatic hemorrhage from intestines] Ned. tsschr. geneesk., 1930, 74: pt 1, 2591-5.—**Franklen-Evans,**

I. J. Papilloedema and optic atrophy following intestinal haemorrhage. Lancet, Lond., 1931, 1: 1027.—**Hamilton, W. H.** Significance of bleeding in lesions of the bowels. Rev. M. Progr. Proc. Postcolleg. Clin. Assemb. Coll. M. Ohio Univ., 1941, 8: 127.—**Hill, R. V.** Hemorrhage, traumatic, intestinal tract, U. S. A. Spica. U. S. Nav. M. Bull., 1942, 40: 742-5.—**Hite, O. L.** Intestinal bleeding. Virginia M. Month., 1937-38, 64: 94-9.—**Jahier, H.** A propos d'un cas d'hémorragie intestinale intraovulaire. Bull. Soc. gyn. obst. Paris, 1939, 28: 334-7.—**Jelks, J. L.** Causes of bleeding from the intestine. Memphis M. J., 1942, 17: 159.—**Kriukov, A. N.** [Hemorrhages in the intestinal tract] Klin. med., Moskva, 1938, 16: 1124-36.—**Kuhn, H. P.** Obscure bowel hemorrhage. Month. Bull. Kansas Clin. Soc., 1934, 10: 10.—**Lichtenstein, A.** Onverklaarde darmbloedingen. Ned. tsschr. geneesk., 1933, 77: pt 1, 502-9.—**Linthicum, G. M.** Intestinal hemorrhage, its significance. Tr. Am. Proct. Soc. (1927) 1928, 28: 86-93.—**Lund, H., & Elmby, A.** Ueber das Reduktionsvermögen von Dehydroascorbinsäure bei Gesunden und bei Patienten mit chronisch-hämorrhagischen Darmerkrankungen. Klin. Wschr., 1938, 17: 805-7.—**Mantha, L.** L'entérorragie. Union méd. Canada, 1942, 71: 1297-301.—**Meeteren, A. van** [Triboulet's reaction] Ned. tsschr. geneesk., 1937, 81: 1139-43.—**Merighi, F.** Enterorragia precoissima consecutiva a chelomatia. Poli. clinico, 1935, 42: sez. prat., 1391-4.—**Peralta Ramos, A., & Bonorino Udaondo, C.** La apopleja intestinal durante el embarazo. Prensa méd. argent., 1941, 28: pt 1, 1-5.—**Petrequin, P. S.** Les hémorragies intestinales. Strasbourg méd., 1930, 90: 798-801.—**Ramond, L.** De Charybde en Scylla. Presse méd., 1933, 41: 1275.—**Ray.** Haematemesis and melena without discernible cause post-mortem perhaps due to gastrostaxis. Med. Sc. Arch. Adelaide Hosp., 1932, 11: 5.—**Rendleman, W. H.** The clinical significance of hemorrhage from the bowel. J. Iowa M. Soc., 1934, 24: 483-5.—**Roux, J. C., Goiffon, R., & Waltz, J.** Hémoporphyrine fécale et hémorragie occulte. Arch. mal. app. digest., Par., 1933, 23: 326-31.—**Tesoriere, A.** Sulla patogenesi dell'iperazotemia nelle emorragie gastro-duodenali: contributo sperimentali. Arch. ital. chir., 1940, 59: 207-24.—**Thorek, M.** Oclusión mesentérica aguda; apopleja intestinal por shock de intolerancia. Rev. cir. B. Aires, 1941, 20: 47-54.—**Toschi, L.** Tubercolosi polmonare ed enterorragia. Gazz. osp., 1931, 23: 1319-23.—**Turbin, R.** Sur les hémorragies intestinales. Progr. méd., Par., 1926, 41: 1174-8.—**Weber, H.** Seltene Ursache einer tödlichen Darmblutung. Virchows Arch., 1932, 285: 46.

Hemorrhage: Treatment.

Carusi, R. L'acido ascorbico nelle enterorragie. Minerva med., Tor., 1939, 30: pt 2, 85-8.—**Dore, G. R.** Enterorragias répétés rebelles guéries par une injection unique de novarsénobenzol. Bull. Soc. path. extot., Par., 1926, 19: 903-5.—**Ebergényi, A.** Ueber die Behandlung der okkulten Darmblutungen. Med. Klin., Berl., 1940, 36: 719 (Abstr.).—**Lowys, P.** Traitement pratique de l'hémorragie intestinale. Rev. gén. clin. thér., 1926, 40: 57.—**Pollosson, Caillot & Perrin.** A propos des hémorragies du gros intestin et de leur traitement par l'hémostatique Erecé. Lyon chir., 1937, 34: 475-8.

Hemorrhage—in children.

Bindschedler, J. J., & Schneegans, E. A propos de 2 cas d'hémorragie intestinale chez le nourrisson. Rev. fr. pédiat., 1935, 11: 111-4.—**Bonaba, J., & Prat, D.** Hemorragia intestinal en un niño de siete años; probable invaginación frustrada, reducida bajo la acción de la anestesia. Arch. lat. amer. pediat., B. Air., 1926, 3, ser., 20: 406-10.—**Bonar, B. E.** Blood in the stools of the new-born. Am. J. Dis. Child., 1928, 36: 725-33.—**Chandler, L. R.** Intestinal bleeding in infants and children. California West. M., 1941, 55: 187-90.—**Croswell, C. V.** Intestinal bleeding in infants and children. Memphis M. J., 1942, 17: 143-6.—**Ebergényi, A.** Ueber die Bedeutung der verborgenen Darmblutungen bei Neugeborenen. Mschr. Kinderh., 1939-40, 81: 132-8.—**Liège, R.** Récentes acquisitions sur l'étiologie des hémorragies intestinales chez les enfants. Presse therm. clim., 1935, 76: 350-4.—**Mendilaharsu, J. R., Bobillo, I. D., & de Durand, C. M.** La enterorragia en el lactante. Día méd., B. Air., 1935, 7: 1573-5.—**Nadji Said.** Contribution à l'étude des hémorragies intestinales au cours de la première enfance. Rev. fr. pédiat., 1930, 6: 734-46.—**Nobécourt, P., Liège, R., & Grodnitsky.** Hémorragies intestinales et dyscrasie sanguine chez un garçon de 9 ans et demi. Bull. Soc. pédiat. Paris, 1933, 31: 324-8.—**Portela, J. R.** Observaciones sobre un caso de discrasia hemorrágica de origen nutricional. Bol. Soc. cubana pediat., 1941, 13: 225-33.—**Rinaldini, G.** Contributo allo studio dell'emorragie intestinali da causa poco nota nell'infanzia. Pediat. prat., Mod., 1932, 9: 139-45.—**Schermann, B.** Drei Fälle von Magen-Darmblutungen bei Säuglingen. Wien. med. Wschr., 1940, 90: 659.

Hemorrhage—in children: Melena.

GROB, M. *Blutuntersuchungen bei Melaena neonatorum [Zürich] p.748-87. 8° Lpz., 1928. Also Zschr. Kinderh., 1926, 46: **LAWRYNOWICZ, F. von.** *Ueber Melaena neonatorum und ihre Behandlung. 61p. 8° Basel, 1909.

MEYBURG, G. *Ueber Melaena neonatorum [Münster] 29p. 22cm. Walldorf, 1936.

RAMES, C. *Le mélaena vrai à début intra-utérin [Lyon] 35p. 8° Bourg, 1935.

ROSENBERG, E. *Ueber Melaena neonatorum mit einem eigenen Fall von tödlicher parenchymatöser Blutung aus der Rachentonsille. 22p. 8° Heidelberg, 1930.

RÜDEL, H. *Ueber die Melaena neonatorum. 47p. 8° Heidelberg, 1933.

STANGE, C. *Beitrag zum Krankheitsbild der Melaena neonatorum [Heidelberg] 19p. 21cm. Zeulenroda, 1937.

STOSIEK, H. *Ueber Melaena neonatorum. 19p. 8° Bresl., 1936.

WIRZ, W. *Zur Aetiologie der Melaena neonatorum. 31p. 22½cm. Zür., 1941.

WUERFELE, E. W. *Zur Klinik und Therapie der Melaena neonatorum [Zürich] 30p. 8° S. Georgen (Schwarzwald) 1932.

Abdala, J. R., & Pellerano, J. C. Sobre melaena del recién nacido. Sem. méd., B. Air., 1935, 42: pt 2, 859.—Anderson, R. Haematemesis and melaena. Brit. M. J., 1936, 1: 444.

Arnold, J. O. Melaena neonatorum. Med. World, 1943, 61: 166.—Bansailon, E. Melaena et hématomose graves du nouveau-né; transfusion dans les veines superficelles du pli du coude; guérison. Bull. Soc. obst. gyn. Paris, 1933, 22: 74.

Barraud, G. Traitement du melaena du nouveau-né. J. méd. Paris, 1927, 46: 335-7. Also Méd. inf., Par., 1927, 33: 67-78.

Basman, L. Uleus ventriculi perforatum mit Melaenasymptomen infolge von Magendrehung und Zwerehfellanomalie beim Neugeborenen. Acta paediat., Upps., 1941, 28: 314-21.

Bayer, W. Zur Therapie der Melaena neonatorum; zugleich ein Beitrag zur Darmpassagezeit beim Neugeborenen. Klin. Wschr., 1933, 12: 269.—Berkman, J. M. Clinical significance of melaena. Minnesota M., 1932, 15: 469-71.—Bettinotti, S. I., & Largaia Escobar, C. Melaena de recién nacido tratada por trasfusión de sangre. Prensa méd. argent., 1927, 14: 406-8.

Also Rev. espec., B. Air., 1927, 2: 481-6.—Bonar, B. E. Blood in the stools of the new-born. Am. J. Dis. Child., 1936, 51: 255-72.—Brochier, A., & Boulez, N. Un nouveau cas de melaena intra-utérin. Bull. Soc. obst. gyn. Paris, 1936, 25: 719.—Brochier, A., & Magnin, P. Le vrai mélaena à début intra-utérin. Gyn. obst., Par., 1938, 33: 33-40.—Campanacci, D. Una strana melaena e la sua cura. Minerva med., Tor., 1938, 29: pt 2, 37-41.—Carreño, C., & Seoane, M. Melaena del recién nacido. Arch. amer. med., B. Air., 1935, 11: 192-7.—Catel. Zwei Fälle von Melaena. Deut. med. Wschr., 1926, 52: 1536.

Also Münch. med. Wschr., 1926, 73: 1258.—Debdas, N. G. Can rheumatic fever cause melaena? Ind. J. Pediat., 1939, 6: 57-61.—Ebergényi, S. [Importance of intestinal hemorrhage in the new-born] Budapesti orv. ujs., 1939, 37: 813-6.—Fazio, F. A. Melaena neonatorum. Sem. méd., B. Air., 1933, 40: pt 2, 781.—Franke, U. Beitrag zur Melaena spuria. Deut. med. Wschr., 1926, 52: 993.

Fruhinscholz & Richon, J. Un cas de melaena intra-utérin. Bull. Soc. gyn. obst. Paris, 1939, 28: 263. Also Nourisson, 1939, 27: 289.—Gambirassi, A. C. Melaena en un recién nacido; transfusión y vitamina K. Sem. méd., B. Air., 1940, 47: pt 2, 1375.—Gellein, P. [Melaena and occult intestinal hemorrhage in the new-born] Norsk mag. lægevid., 1929, 90: 1285-313.—Gregory, H. H. C. Two cases of melaena caused by innocent growths of the small intestine. Brit. J. Child. Dis., 1932, 29: 197.—Hammar, S. [Melaena neonatorum idiopathica] Sven. læk. tidn., 1936, 33: 1109-15.—Hergt, W. Ueber das Vorkommen von Gasbällchen bei Melaena neonatorum. Mschr. Kinderh., 1926, 32: 515-20.—Herlihy, J. D. Immediate feeding in haematemesis and melaena; a review after 12 months' trial. Med. J. Australia, 1938, 2: 996-8.

Hirano, Y. A statistical study of melaena neonatorum in Japan. Orient. J. Dis. Inf., Kyoto, 1932, 12: 11.—Holländer-Pilpel, R. Zur Therapie der Melaena neonatorum vera. Wien. klin. Wschr., 1927, 40: 589.—Holman, J. E. Melaena neonatorum and pre-natal prevention of potential hemorrhagic disease of the new-born. Nat. Elect. M. Ass. Q., 1929-30, 21: 150-2.

Honecker, L. Beitrag zur Pathogenese der Melaena neonatorum. Zbl. Gyn., 1932, 56: 2609-12.—Irie & Schoeneck. Heilung eines Kindes mit Melaena neonatorum durch Röntgenbestrahlung. Deut. med. Wschr., 1926, 52: 1478.—Keczán, L. [Gastric and intestinal hemorrhages in the new-born] Budapesti orv. ujs., 1939, 37: 341-4.—Kepila, A., & Leppo, E. Ueber das Vorkommen von Melaena neonatorum in Finnland und ihre Beziehung zu gewissen Infektionskrankheiten. Acta paediat., Upps., 1937, 21: 208-23.—Ladd, W. E. The surgical significance of melaena in childhood. N. England J. M., 1937, 217: 649-53.—Lauffs, P. Zur Diagnostik und Aetiologie der Melaena intrauterina vera. Zbl. Gyn., 1934, 58: 113-6.—Leffkowitz, A. Ein Fall von Melaena neonatorum. Mschr. Kinderh., 1932, 53: 209.—Little, H. The significance of melaena in children. Canad. M. Ass. J., 1939, 41: 575-80.—Melaena de los recién nacidos. Día méd., B. Air., 1942, 14: 214.—Mügel, G. Beitrag zur Melaena neonatorum. Med. Welt, 1932, 6: 1170.—Nedelmann, E. Gasbakterieninfek-

tion unter dem Bilde der Melaena neonatorum. Arch. Kinderh., 1927, 81: 6-11.—Philipp. Kind mit Melaena spuria, bedingt durch eine intra graviditatem entstandene subamniotale Blutung. Zschr. Geburtsh. Gyn., 1927, 91: 173-5.—Putzu Doneddu, F. Contributo clinico ed anatomo-patologico allo studio della melaena dei neonati. Monit. ostet. gin., 1937, 8: 503-18.

Rabau, E. Zur Behandlung der Melaena neonatorum. Ther. Gegenwart, 1930, 71: 494.—Rabinowitsch, E. Melaena neonatorum and its treatment. Harefuah, Tel Aviv, 1939, 16: No. 4, 2.—Rech, W. Ein Fall von Melaena vera mit intrauterinem Beginn. Zbl. Gyn., 1933, 57: 2313.—Rolando, F. La torsione del peduncolo mesenteriale in un caso di melaena dei neonati. Pediatria (Riv.) 1927, 35: 848-50.—Schiff, L., & Stevens, R. J. Elevation of urea nitrogen content of the blood following hematemesis or melaena. Arch. Int. M., 1939, 64: 1239-51.—Schmidt, E. [Attempt to promote blood regeneration after hematemesis or melaena] Hospitalstidende, 1938, 81: Suppl., 180-7.—Smith, L. H. Blood in the stools of the new-born; an unexplained symptom. Am. J. Dis. Child., 1935, 49: 1177-9.—Steinert, R. Kasuistischer Beitrag zur Melaena neonatorum ulcerosa. Zschr. Kinderh., 1927, 43: 188-92.

Struchkov, V. I. [Treatment of melaena neonatorum vera] Sovet. med., 1941, 5: No. 4, 24. — & Petrova, T. G. [On the treatment of melaena neonatorum] Ibid., 1936, No. 4, 107.—Surin, N. E. [Blood transfusion in melaena neonatorum vera] Vest. khir., 1940, 59: 560-2.—Waddell, W. W., jr., & Guerry, D. The role of vitamin K in the etiology, prevention, and treatment of hemorrhage in the newborn infant. J. Pediat., S. Louis, 1939, 15: 802-11.—Weill-Halle, P., de Gaudard d'Allaines & Papaioannou, A. Hématémèse et melaena chez un enfant de 9 ans; splénomégalie ancienne; arrêt des hémorragies après splénectomie. Bull. Acad. méd. hóp. Paris, 1937, 3. ser., 53: 1481-6.—Wetterdal, P. Treatment of melaena vera idiopathica neonatorum. Acta obst. gyn. scand., 1925-26, 4: 337-46.—Winkler, H. Zur Pathogenese der Melaena neonatorum. Münch. med. Wschr., 1938, 85: 476.

Die Blutdurchlässigkeit des intakten Neugeborendarms und ihre medikamentöse Beeinflussung, zugleich ein Beitrag zur Therapie der Melaena neonatorum. Zschr. Geburtsh. Gyn., 1939, 119: 195-209.—Wirth. Nach Transfusion geheilte Melaena vera. Verh. ungar. ärztl. Ges., 1934, 6: 18. Also Orv. hetil., 1934, 78: mell. 205.—Witts, L. J. Haematemesis and melaena. Brit. M. J., 1937, 1: 847-52.

— Hernia.

See Hernia.

— Histology and cytology.

EHRlich, R. *Die physiologische Degeneration der Epithelzellen des Ascarisdarmes; ein Beitrag zur Zellpathologie [München] p.81-123. 8° Lpz., 1909.

FAYAD, M. H. *Etude anatomo-microscopique de l'intestin chez les jumeaux. 31p. 23cm. Lausanne, 1939.

PATZELT, V. Der Darm. 448p. 4° Berl., 1936.

In Handb. mikr. Anat. Mensch. (Möllendorff, W. v.) 1936, 5: 3. T., 1-448.

Pessin, S. B. *A study of the entero-chromogentaffine cells [Milwaukee Co. Hosp.] 39p. 4° Wauwatosa, 1929.

Argeseanu, S., & May, R. M. Etudes différentielles sur la cellule embryonnaire et adulte; évolution des constituants cytoplasmiques des cellules de l'épithélium intestinal du poulet, Gallus domesticus. Arch. anat. mier., Par., 1938, 34: 441-8.

Arima, J. Die zytologischen Untersuchungen der Baucheingeweide bei den Embryonen; die Studien über den Darm. Fol. anat. jap., 1927, 5: 377-97.—Athanasopoulos, G. Struttura microscopica dell'intestino dei Teleostei. Arch. zool. ital., 1931, 16: 780-3.—Baecker, R. Die oxyphilen (Panethschen) Körnchenzellen im Darmepithel der Wirbeltiere. Zschr. ges. Anat., 3. Abt., 1934, 31: 708-55.—Ballantyne, E. N. Differentiation of plasma cells from mast cells in the intestinal mucosa of the white rat. Canad. M. Ass. J., 1929, 21: 195-9.—Boerner-Patzelt, D. Ueber den Einfluss der Fixierung auf die Färbbarkeit der Panethschen Körnchenzellen bei der Maus. Zschr. Zellforsch., 1934-35, 22: 596-606.

Ueber die Eigenschaften und die Bedeutung der Panethschen Körnchenzellen in der Tierreihe. Ibid., 1936, 24: 641-61, pl.—Chung, I. Beiträge zur Kenntnis der morphologischen Studien über die sogenannten gelben Zellen im Darmkanal. J. Chosen M. Ass., 1934, 24: 31-4.

Beiträge zur Kenntnis der Entwicklung der gelben Zellen im Darm. Ibid., 52.—Citterio, V. Cellule enterocromaffini e cellule di Paneth nell'intestino di Cerocebus lunulatus. Monit. zool. ital., 1929, 40: 136-9.—Clara, M. Le cellule basiginulose: un contributo alla conoscenza della composizione dell'epitelio intestinale nei vertebrati superiori (uccelli e mammiferi) Arch. ital. anat., 1928, 25: 1-46, pl.

Untersuchungen über die chemische Natur der Körnchen in den basalgelbten Zellen des Darmepithels bei den Säuropsiden. Zschr. ges. Anat., 1. Abt., 1932, 98: 516.

Ueber die basalgelbten Zellen des Darmepithels bei den Amphibien; nach Untersuchungen an Salamandra maculosa

Laur. Ibid., 1933, 100: 76-89. — Die basalgelkörnten Zellen im Darmepithel der Wirbeltiere. Ibid., 3. Abt., Berl., 1933, 30: 240-340. — Ueber die spezifische Färbung der Körnerchen in den basalgelkörnten Zellen des Darmepithels durch die Molybdänhämatoxyline. Zschr. Zellforsch., 1933, 18: 435-58. — Untersuchungen über die spezifische Färbung der Körnerchen in den basalgelkörnten Zellen des Darmepithels durch Beizenfarbstoffe; Beitrag zur Theorie der Hämatoxylinfärbungen. Ibid., 1934-35, 22: 318-52. — Ueber die Histophysiologie der basalgelkörnten Zellen im Darmepithel. Verh. Anat. Ges., 1937, 44: 92-6. — & Canal, F. Histochemische Untersuchungen an den Körnerchen in den basalgelkörnten Zellen des Darmepithels. Zschr. Zellforsch., 1932, 15: 801. — Cordier, R. Recherches morphologiques et expérimentales sur la cellule chromo-argentine de l'épithélium intestinal des vertébrés. Arch. biol., Par., 1926, 36: 427-63, 2 pl. — & Lison, L. Etude histochimique de la substance chromo-argentine de la cellule de Kulshitzky. Bull. histol. appl., Par., 1930, 7: 140-8. — Dornesco, G. T., & Valverde, R. E. La cellule muqueuse intestinale du rat blanc. C. rend. Soc. biol., 1930, 103: 684-6. — Erös, G. Ueber die Bedeutung der argentaffinen Zellen. Frankf. Zschr. Path., 1930, 40: 155-60. Also Magy. orv. arch., 1931, 32: 459-66. — Friedmann, I. Ein Beitrag zur Kenntnis der basalgelkörnten, gelben Zellen des Darmtraktes beim Menschen. Zschr. mikr. anat. Forsch., 1934, 36: 99-136. — Gajewska, H. Ueber den mikroskopischen Bau des Mitteldarms von Mesothoea entomon L. Bull. internat. Acad. polon. sc., 1937, sér. B, 2: 353-68, pl. — Goldner, J. Le problème de la régénération de l'épithélium intestinal. Bull. histol. appl., Par., 1929, 6: 79-95. — Hanasawa, K. Morphologische Forschungen über das Schleimhautepithel des Darmkanals; der Golgi'sche Binnenapparat des Schleimhautepithels des Darmkanals im physiologischen Zustande bei Tieren. Tr. Jap. Path. Soc., 1932, 22: 429-34. — Hertzog, A. J. The Paneth cell. Am. J. Path., 1937, 13: 351-60, pl. — Hintzsche, E., & Andergrop, P. Die Panethschen Zellen der Säugtiere und das Problem ihrer biologischen Deutung. Biomorphosis, Basel, 1938, 1: 96-108. — Ishida, J. Ciliated intestinal epithelium in teleost. Annot. zool. jap., 1935, 15: 158-60. — Kato, K. On the intestinal epithelium of Nemeus gronovii. Ibid., 190-3. — Kato, S. Ueber den feineren Bau der gelben Zellen in der Darmschleimhaut des Menschen. Jap. J. M. Sc., 1941, 9: Proc. Anat., 57. — Kawamura, T. Supplement of the views on the secretion granules of the Paneth's cells. Okayama igakkai zasshi, 1928, 40: 1163, pl. — Ueber die Verteilung der Paneth'schen Zellen in jeden Abschnitten des Dünndarms bei einigen Nagern. Ibid., 2612. — Khlopkov, A. Einige neue Daten zur Frage von der Struktur der Schlussleisten und Becherzellen des Darmepithels bei Säugtieren. Zschr. Zellforsch., 1928, 7: 502-12. — Lanusse Croussé. Documents concernant les modifications montrées par les cellules intestinales, au moment de la naissance chez les mammifères. Bull. histol. appl., Par., 1928, 5: 79-83. — Merkel, J. Beiträge zur mikroskopischen Anatomie des Darmes vom Fuchs (Canis vulpes) Deut. tierärztl. Wschr., 1926, 34: 560. — Mols, G. Recherches cytologiques et expérimentales sur les cellules de Paneth (souris) Arch. biol., Par., 1930, 40: 111-50, 3 pl. — Münch, H. Ueber Menge und Verteilung der basalgelkörnten Zellen im Darm der weißen Ratte. Zschr. mikr. anat. Forsch., 1939, 45: 244-54. — Patane, L. Sulla struttura dell'epitelio mesointestinale di Perceollia laevis. L. Arch. zool., Tor., 1931-32, 17: 257. — Penners, A. Die Ontogenese des endotermalen Darmepithels bei limicolen Oligochäten. Zschr. wiss. Zool., 1934, 145: 497-506. — Pessin, S. B. The enterochromo-argentaffin cells. Arch. Path., Chic., 1931, 11: 171-89. — Policard, A. Documents d'histologie quantitative concernant le gros intestin. Bull. histol. appl., Lyon, 1939, 16: 261. — Schlottke, E. Unterschiede in der Entwicklung des phagozytierenden und des resorbierenden Darmepithels. Biol. Zbl., 1934, 54: 51-64. — Histologische Beobachtungen am Darmkanal von Limulus und Vergleich seines Zwischengewebes mit dem von Spinnen. Zschr. mikr. anat. Forsch., 1934, 35: 57-70. — Schumann, G. Experimentelle Untersuchungen über die basalgelkörnten Zellen im Darmepithel des Meerschweinchens. Zschr. Zellforsch., 1936, 24: 540-51. — Untersuchungen über das Verhalten der basalgelkörnten Zellen im Darm des Meerschweinchens in Abhängigkeit vom Lebensalter, Geschlecht und Trächtigkeit. Zschr. mikr. anat. Forsch., 1939, 45: 233-43. — Semichon, L. Sur le tissu conjonctif de l'intestin chez certains lamellibranches. C. rend. Soc. biol., 1927, 97: 1529. — Shinoda, O. Contributions to the knowledge of intestinal secretion in insects; a comparative histocytology of the mid-intestine in various orders of insects. Zschr. Zellforsch., 1927, 5: 278-92. — Simard, L. C., & Van Campenhout, E. The embryonic development of argentaffin cells in the chick intestine. Anat. Rec., 1932, 63: 141-59. — Stenqvist, H. Die Zellenwanderung durch das Darmepithel. Anat. Anz., 1934, 78: 68-79. — Storti, R. Contributo alla conoscenza dei leucociti a zolle dell'intestino. Haematologica (Arch.) Pavia, 1937, 18: 1031-42. — Vialli, M. Ricerche sull'intestino dei rettili; l'epitelio intestinale. Arch. biol., Par., 1929, 39: 527-81, pl. — Williams, M. A. Mitochondria in the intestinal epithelial cells of starved and fed salamanders. Anat. Rec., 1943, 85: 195-209, 2 pl.

Ileus.

See Ileus.

Immunization.

Torikata, R., & Shakudo, M. Experimentelle Erforschung über die Immunisierung des Darmtrakts. Zschr. Immunforsch., 1936, 88: 227-40. — Zabolotny, D. Ueber den Mechanismus der Darmimmunisierung. Seuchenkämpfung, 1926, 3: 110-4.

Incarceration.

See Intestine, Strangulation.

Infarction.

See also subheading (Bloodvessels: Disease) also Mesentery.

FARAH, J. *L'infarctus hémorragique de l'intestin (ten observations inédites) 193p. 8° Par., 1929.

GOUTTENÈGRE, J. *Notions actuelles sur la pathogénie et le traitement de l'infarctus intestinal. 61p. 25cm. Bord., 1938.

SIMON, J. *Infarctus intestinal d'origine herniaire. 54p. 24cm. Par., 1939.

Ameline, A. Sur les renseignements fournis par la percussion de l'abdomen dans l'infarctus intestinal. Presse méd., 1933, 41: 1729. — Bachy, G. Sur les infarctus de l'intestin et du mésentère par choc d'intolérance. Mém. Acad. chir., Par., 1937, 63: 184-6. — Barroux, R., & Gouttenègre, J. Modifications sanguines dans les infarctus viscéraux. J. méd. Bordeaux, 1939, 116: pt 1, 526-8. — Broglio. Due casi di infarto intestinale. Riforma med., 1926, 42: 63. — Castellano, G. Infarto dell'intestino complicante ulcera gastrica perforata. Policlinico, 1934, 41: sez. chir., 175-82. — Cazzola, A. Del l'infarto intestinale. Ann. ital. chir., 1939, 18: 235-48. — Clavel, C., & Melnotte, V. Valeur sémiologique de l'entérorragie dans l'infarctus intestinal. Presse méd., 1932, 40: 1190. — Contiades, X. J., Palmer, R., & Ungar, G. Mécanisme neuro-humoral histaminique de l'infarctus intestinal. P. verb. Congr. fr. chir., 1935, 44: 232-42. — Couvelaire, R., & Delinotte, P. Essai de classification des infarctus de l'intestin. J. méd. chir., Par., 1938, 109: 465-71. — De Blasi, A. Occlusione dei vasi mesenterici ed infarto intestinale. Gazz. internaz. med. chir., 1937, 47: 95; 137: 247. — Del Campo, J. C., & Lasnier, E. P. Infarto intestinal a evolución subaguda. Arch. urug. med., 1938, 12: 546-71. — Denéchau, D. Infarctus de l'intestin; essai de mise au point de la question envisagée surtout au point de vue médical à l'occasion de 6 observations inédites. Bull. méd., Par., 1933, 47: 645-55. — Diamant-Berger. Une observation d'infarctus intestinal. Bull. Soc. chir. Paris, 1938, 30: 6-9. — Dieulafé, R. Contribution à la pathogénie de l'infarctus intestinal segmentaire. Paris méd., 1935, 95: 599-606. — Di Paola, G. Formas quirúrgicas del infarto intestinal. Día méd., B. Air., 1931-32, 4: 977. — Ferrari, R. C. Sobre infarto intestinal en una hernia estrangulada. Bol. Soc. cir. B. Aires, 1938, 22: 437-9. — Fontaine, R., & Kunlin, J. Infarctus intestinal et étranglement herniaire. Presse méd., 1936, 44: 1015-7. — Fourmeaux, J. de. L'infarctus de l'intestin sans oblitération vasculaire. Bruxelles méd., 1934-35, 15: 487-90. — Galvão, L. Enfarte intestinal. Rev. brasil. cir., 1939, 8: 485-96. — Gautier, J. Infarctus intestinal; examen radiologique et traitement médical. Mém. Acad. chir., Par., 1936, 62: 292-5. — Gherasim, M. [Mesenteric-intestinal infarct, caused by intolerance shock] România med., 1938, 16: 118. — Ginglinger, A. Un cas d'infarctus intestinal au huitième mois de la grossesse. Gyn. obst., Par., 1934, 29: 538-41. — Giordano, F. P., & Pierini, E. A. Infarto intestinal. Sem. méd., B. Air., 1937, 44: pt 2, 32-4. — Gosset, A. Fin de la discussion sur l'infarctus hémorragique de l'intestin. Bull. Soc. nat. chir., Par., 1931, 57: 1682-4. — Gosset, J., & Patel, J. Contribution à l'étude de l'infarctus de l'intestin. Arch. mal. app. digest., Par., 1939, 29: 305-12. — Grégoire, R. Infarctus de l'intestin. Bull. Soc. nat. chir., Par., 1934, 60: 1394-9; 1935, 61: 634-9. — Infarctus de l'intestin par choc d'intolérance. J. chir., Par., 1936, 48: 305-27. — Les infarctus de l'intestin dits inexplicables. J. internat. chir., Brux., 1936, 1: 571-7. — A propos de l'infarctus intestinal. Mém. Acad. chir., Par., 1936, 62: 1254-7. — Pathogénie des infarctus viscéraux; infarctus de l'intestin. Ibid., 1937, 63: 930-4. — Grønn, R. [Two cases of vascular mesenteric occlusion with hemorrhagic intestinal infarct; cured by operation] Nord. med., 1940, 5: 394-6. — Guccione, F. Infarti multipli dell'intestino e bronchiolite obliterante. Arch. ital. anat. pat., 1933, 4: 37-67. — Hernández, R. V. A propósito de infarto intestinal de tipo venoso. Rev. cir. B. Aires, 1941, 20: 420. — Hortolomei, N., & Burghelle, T. [Intestinal infarct, cured by means of adrenalin therapy] Rev. chir., Bucur., 1937, 40: 347-51. — Darminfarkte durch Intoleranz-Schock-Wirkung. Zhl. Chir., 1938, 65: 85-91. — Isler, W. Zur Diagnose des Darminfarktes. Schweiz. med. Wschr., 1931, 61: 1199-201. — Laufman, H. The effect of heparin on the behavior of infarction of the intestine; an experimental study. Surg. Gyn. Obst., 1942, 74: 479-82. — Leriche, R. Sur l'infarctus intestinal. P. verb. Congr. fr. chir., 1935, 44: 181-210. — LeSage, J. Infarctus intestinal. Union méd. Canada, 1941, 70: 739-43. — Loeffler, L. Genesis of intestinal infarction following embolization of the superior

mesenteric artery. Arch. Path., Chic., 1936, 22: 755-62.—**Magnant, J. S.** Syndrome d'infarctus de l'intestin traité par injection d'adrénaline, sans laparotomie; guérison. Bordeaux chir., 1937, 8: 216-20. — Sur un cas d'infarctus intestinal guéri sans intervention par injection d'adrénaline. J. méd. Bordeaux, 1937, 114: 193.—**Masmonteil, F., & Vaudier, J.** A propos d'une observation d'infarctus intestinal. Bull. Soc. chir. Paris, 1939, 31: 34-42.—**Massion, Bastin & Ferond-Chapeauville.** A propos de 3 observations d'infarctus intestinal. Bruxelles méd., 1934-35, 15: 475.—**Mazzarelli, M.** Infarctus intestinal. Riforma med., 1934, 50: 1805-14.—**Maurin, R.** Infarctus intestinal. Rev. méd. Rosario, 1936, 10: 32-6.—**Moulouquet, P.** Infarctus hémorragiques de l'intestin. Rev. chir. path., Par., 1932, 3: 241-50. Also Rev. méd. fr., 1932, 13: 145. — A propos des infarctus intestinaux sans lésions vasculaires. Bull. Soc. nat. chir., Par., 1935, 61: 806-8.—**Moure, P.** A propos de l'infarctus intestinal. Ibid., 1931, 57: 1513.—**Patel, J., & Gosset, J.** Remarques sur la maladie dite infarctus de l'intestin. J. chir., Par., 1935, 45: 396-403.—**Patel, J., & Porcher, P.** Le diagnostic radiologique de l'infarctus intestinal. Gastroenterologia, Basel, 1942, 67: 90 (Abstr.)—**Pellegrini, A.** Infarctus intestinal. Arch. Soc. ital. chir., 1937, 43: 908-11.—**Penin, R. P.** Infarctus intestinal de tipo venoso. Bol. Acad. argent. cir., 1940, 24: 404-28.—**Popescu, A., & Constantinesco, P.** Un cas d'infarctus de l'intestin; résection de 1.55 mtr. d'intestin; guérison. Rev. chir., Bucur., 1940, 43: 393-6.—**Silhol, P.** Infarctus intestinal. Marseille méd., 1931, 68: 49-80.—**Sole, J.** Infarctus intestinal. Bol. Soc. cir. B. Aires, 1938, 22: 479.—**Tejerina Fotheringham, W., Manzoni, A., & Cagliolo, F.** La participación del simpático abdominal en el infarctus intestinal por intolerancia. Ibid., 537-48. Also Rev. as. méd. argent., 1938, 52: 759-63.—**Infarctus intestino-mesentérico explicado.** Sem. méd. B. Air., 1938, 45: pt 1, 465-70.—**Teleman, L.** Un cas d'infarctus intestinal et rénal avec survie. Bull. Soc. méd. hôp. Bucarest, 1934, 16: 100-4.—**Uhlir, F.** [Case of intestinal infarct with spontaneous cure] Cas. lek. česk., 1939, 78: 441-5.—**Ungar, G., Contiades, X. J., & Palmer, R. C.** Libération de substances histaminiques dans les infarctus de l'intestin. C. rend. Soc. biol., 1935, 120: 326-8.

— Infection.

See also subheadings (Bacteria, pathogenic; Disinfection; Toxemia) also under proper names of intestinal infections as **Anthrax**, intestinal; **Cholera**; **Colon bacillus**, infection; **Dysentery**, bacillary; **Typhoid fever**, etc.

CUMPTON, J. H. L., & McCALLUM, F. The history of the intestinal infections (and typhus fever) in Australia, 1788-1923. 738p. 8°. Melbourne, 1927.

HAVENS, L. C. Bacteriology of typhoid, Salmonella, and dysentery infections and carrier states. 158p. 8°. N. Y., 1935.

Abt, I. A. Food disturbances and intestinal infections in infancy. Diet. Admin. Ther., 1926, 4: 415-21.—**Arnold, L.** Host susceptibility to typhoid, dysentery, food poisoning and diarrhea. J. Am. M. Ass., 1927, 89: 789-91. — Recent advances in the epidemiology of intestinal diseases. Illinois M. J., 1931, 59: 445-9.—**Bacillary** incitants of enteric disease. Annual Rep. Div. Lab. N. York State Dep. Health, 1937, 46-8.—**Berger, H.** Auftreten und Prophylaxe der Darminfektionskrankheiten in den öffentlichen Irrenanstalten Preussens seit dem Kriegsende. Veröff. Medverwalt., 1930-31, 33: 57-156.—**Berkovich, I. M.** [Significance of intestinal infection in so-called toxic dyspepsia] Pediatria, Moskva, 1942, No. 3, 16-24.—**Bernard, F. A. F.** Enteric fever. Abstr. Papers Far East. Ass. Trop. M., 1927, 7. Congr., 2.—**Borin, S. I., & Ferdinand, J. M.** [Rats as carriers of human intestinal infections] Bull. Hyg., Lond., 1942, 17: 617 (Abstr.)—**Brokman, H., & Kolago, J.** Epidémie d'infections intestinales avec bactériémie et toxémie chez des enfants de moins de deux et pendant l'été 1927 à Varsovie. Rev. fr. pédiat., 1929, 5: 315-33. Also Trav. sc. Clin. inf. Univ. Varsovie, 1930, 389-407.—**Buinevitch, K.** Ueber einige Erkrankungen als Folge der Tierinfektion (aus klinischen Beobachtungen) Wien. klin. Wschr., 1939, 52: 613-7.—**Bychkov-Oreshnikov, V. A.** [Microflora of flies of certain camps as possible means of spreading intestinal affections] Tr. Acad. mil. méd. Kiroff, 1934, 1: 393-400.—**Carl, E., & Orfila, H. C.** Séptico-piemia a localización poco frecuente. Sem. méd. B. Air., 1941, 48: pt 1, 404.—**Chernomordik, A. B.** [On the role of B. morganii in the etiology of intestinal diseases] J. mikrobiol., Moskva, 1940, No. 9, 65-7.—**Claudio, P.** Entérocoques, streptocoques et fièvre intestinale. Marseille méd., 1934, 71: 573-7.—**Congrès de la colibacillose, des infections et intoxications d'origine intestinale.** Presse méd., 1934, 42: 1721.—**D'Hérelle, F., Malone, R. H., & Lahiri, M. N.** The pathology and epidemiology of infectious diseases of the intestinal tract and of cholera in particular. Tr. Far East. Ass. Trop. M. (1927) 1928, 7. Congr., pt 2, 284-7.—**Dysentery**, diarrhoea, colitis and amoebic hepatitis (Colonial medical reports, India) J. Trop. M. Hyg., Lond., 1939, 42: Suppl., 33.—**Enteric** (The group of fevers; definition; etiology; prevalence. Annual Rep. Chief M. Off. Min. Health, Lond. (1938) 1939, 43-6.—**Felsen,**

J. The newer concepts of intestinal infection. J. Am. M. Ass., 1939, 112: 46-9.—**Gilbert, R.** Bacillary incitants of enteric disease. In Annual Rep. Div. Lab. N. York Dep. Health, 1935, 53: 1938, 32.—**Giovannardi, A.** Ricerche sull'origine intestinale di alcune infezioni acute (infezioni tifoidee e carbonchio) Bull. sc. med., Bologna, 1928, 100: 232-5; 1929, 101: 348-55; 1930, 102: 251-61.—**Giudetti, C.** Le febbri paratifoide del Castellani da B. columbensis e da B. asiaticus nel nostro impero. Riforma med., 1937, 53: 1263-9.—**Green, R.** Enteric fevers. Annual Rep. Inst. M. Res., Kuala Lumpur (1936) 1937, 11-5.—**Hassmann, K.** Zur Frage der bakteriellen Ätiologie enteraler Störungen im Säuglings- und späteren Kindesalter. Wien. klin. Wschr., 1934, 47: 904-9.—**Herrmann, W.** Die akuten infektiösen Darmkrankheiten (Typhus, Paratyphus, Ruhr, Gastroenteritis). Erg. ges. Med., 1936, 21: 239-74.—**Hoder, P.** Epidemiologie der infektiösen Darmkrankheiten. Fortsch. Med., 1934, 52: 809-14.—**Howell, K. M.** Incidence of amebiasis, typhoid, and dysentery in a Chicago Hospital. Proc. Inst. M. Chicago, 1938, 12: 193-6.—**Intestinal disease outbreaks in U. S. and Canada.** Engin. News Rec., 1942, 128: 417.—**[Intestinal infections]** In Otchet nauch. deiat. (Vsesoiuz. inst. eksp. med.) Moskva, 1940, 51.—**Intestinal infections in war-time.** Lancet, Lond., 1942, 1: 515.—**Kisskalt, K.** Die Disposition des Darmes zu bakteriellen Erkrankungen in Abhängigkeit von Bakterienzahl und Schädigungs-dosis. Arch. Hyg., Berl., 1929, 101: 205-21.—**Kligler, I. J.** Influence of climate on susceptibility to enteric infections. Tr. R. Soc. Trop. M. Hyg., Lond., 1935-36, 29: 531-46.—**Kolago, J.** [Bacteriological studies of intestinal infections with characteristic clinical course and bacteriemia in children under 2 years] Med. dōsw., 1929, 9: 371-82.—**McBroom, J.** Paratyphoid, proteus and related organisms in health and in miscellaneous intestinal disorders of man. J. Prev. Med., 1930, 4: 239-50.—**McDonagh, J. E. R.** The part played by bacteria in the large intestine in causing epidemics. Clin. M. & S., 1933, 40: 139-44.—**Mackie, T. T.** Infections and infestations; intestinal infections. In Prev. Med. Modern Pract. (J. A. Miller) N. Y., 1942, 224-47.—**Marmo, A.** Su alcune febbri intestinali poco note nelle nostre colonie dell'Africa orientale. Gior. med. mil., 1935, 83: 527-40.—**Orenstein, A. J.** Enteric fever in the Rand mines. S. Afr. M. J., 1937, 11: 401.—**Patek, A. J.** Enteroid infection, a study of 5 cases. Wisconsin M. J., 1926, 25: 330-3.—**Perry, H. M., & Bensted, H. J.** Investigations in Egypt of some acute bacillary intestinal infections. Tr. R. Soc. Trop. M. Hyg., Lond., 1928-29, 22: 511-22.—**Peruzzi, M.** Sull'etiologia delle febbri enteroidi, dissenterie e diarree di Alessandria d'Egitto. Ann. med. nav., Roma, 1931, 37: pt 2, 572-91.—**Pribram, E.** Die Bedeutung des Kohlehydrat- und Eiweiss-Stoffwechsels der Darmbakterien für die Ätiologie, Prognose, Therapie und Epidemiologie der infektiösen Darmkrankheiten. Wien. med. Wschr., 1928, 78: 1369.—**Raska, K.** Alimentary infections] Voj. zdrav. listy, 1936, 12: 110-20.—**Roussac, A., & Brahié, J.** Septicémie chronique à colibacilles et entérocoques d'origine intestinale. Marseille méd., 1941, 78: pt 1, 603-8.—**Sailer, J., Laws, G. M., & Eiman, J.** Fatal infection of the intestines with Bacillus aerogenes capsulatus. Am. J. M. Sc., 1929, 178: 309-15, 3 pl.—**Sampson, B. F.** Bacteriological aspects of enteric in South Africa. S. Afr. M. J., 1937, 11: 397-400.—**Sanarelli, G.** Sul meccanismo patogenico delle infezioni intestinali. Ann. d'igiene, 1926, 36: 285-306.—**Satterlee, G. R.** Chronic intestinal infections; non-ulcerative types. Tr. Am. Ther. Soc., 1925-26, 26: 37-44.—**Also N. York State J. M., 1926, 26: 92-6.**—**Sobolev, V. G., & Bulgakov, N. I.** [Relation of intestinal epidemics to the state of water supply in populated districts] J. mikrob., Moskva, 1941, No. 5, 212-20.—**Tarasova, A. P.** [On the significance of B. morganii in intestinal infections] J. mikrob., Moskva, 1939, No. 6, 31-5.—**Teale, F. H.** Experiments on the portal of entry of bacteria and the production of intestinal infection. J. Path. Bact., Camb., 1934, 39: 391-407.—**Tissier, H.** Contribution à l'étude des infections intestinales: le Bacillus booker. Ann. Inst. Pasteur, Par., 1920, 34: 684-9.—**Tutaeva, A. I., Monosova, S. M., & Popov, A. V.** [Bacteriology of intestinal diseases in the Minusinsk district of the Krasnoyarsk region in 1938] J. mikrob., Moskva, 1941, No. 5, 190.—**Willcox, S. W.** Intestinal infections in relation to personal health and disease. J. State M., Lond., 1927, 35: 311-23.—**Worms, G., & Sourdille, G.** Complications oculaires des entéropathies à germes spécifiques; colibacille, entérocoque, bacille dysentérique. Arch. opht., Par., 1928, 45: 737-8.—**Zeit, Z. R., & Shritter, V. A.** [Clinical course and bacteriology of acute intestinal diseases] Vrach. gaz., 1930, 34: 517-21.

— Infection: Diagnosis.

Cade, A., & Milhaud, M. Les entérorragies au cours de la bacillose intestinale (valeur sémiologique, spécialement dans les formes frustes ou initiales) J. méd. Lyon, 1932, 13: 493.—**Enteric** (The group of fevers; symptomatology; diagnosis. Ibid., 46-52).—**Giacobini, G.** Température de type inverse dans les infections intestinales à coli-bacilles. Gaz. hôp., 1926, 99: 1061.—**Gilbert, R., & Coleman, M. B.** Practical limitations in the attempt to control enteric disease by the examination of specimens collected without regard to clinical history or epidemiological evidence. Am. J. Pub. Health, 1934, 24: 192.—**Hayes, W. D., & Robinson, R.** Routine laboratory examinations for typhoid fever and dysentery organisms. J. Oklahoma M. Ass., 1939, 32: 449.—**Izralimsky, A. S.** [Acceleration and unification of mass bacteriological examina-

tions in intestinal infections] J. mikrob., Moskva, 1942, No. 8, 79-84.—**McDonagh, J. E. R.** Diarrhoea and vomiting. Brit. M. J., 1942, 2: 173.—**Mostafa Omar Bey.** The bacteriological diagnosis of enterica. J. Egypt. M. Ass., 1931, 14: 485-9.—**Préfet, H.** Les examens bactériologiques aux stations thermales. Presse therm. clim., 1934, 75: 379.—**Ruys, A. C.** The isolation of typhoid, paratyphoid, and dysentery bacteria from faeces and urine; a comparative study of some culture media. Brit. M. J., 1940, 1: 606.—**Shchastny, D. S., & Shiril, E. M.** [Fast and simple methods of examination for the intestinal-typhoid group] J. mikrob., Moskva, 1942, No. 8, 84-6.—**Vaughan, A. C. T.** Diagnosis of intestinal infections. Lancet, Lond., 1942, 2: 265.

Infection, focal.

Bassler, A. The intestinal canal as a source of focal infection. Phys. Ther., 1928, 46: 384-7.—**Coburn, R. C.** Prophylaxis and treatment of degenerative processes of intestinal origin. Med. Rec., N. Y., 1936, 144: 553-6.—**Roques, K. R.** Von der Darm als Primärherd chronischer Infektionen. Ther. Gegenwart, 1939, 80: 265-8.

Infection: Treatment.

GAEHLINGER, H., & BÉCART, A. La vaccination par voie buccale dans l'infection intestinale. 165p. 16cm. Par., 1927.

GÉRARD, P. *Etude de l'action thérapeutique du formiate de thorium dans les infections intestinales. 56p. 8° Par., 1926.

U. S. WAR DEPARTMENT. MEDICAL DEPARTMENT. ARMY REGULATIONS No. 40-225: The prevention of the communicable diseases of man; intestinal diseases. 4p. 8° Wash., 1923.

Babecki, J. [La prophylaxie des infections intestinales dans l'armée] Lek. wojsk., 1932, 20: 437; 521.—**Bactériothérapie (La) intestinale.** Vie méd., Par., 1924, 5: 2078.—**Bécart, A.** L'infection intestinale et son traitement par la vaccination par voie buccale (méthode Gaehtlinger-Bécart) Bruxelles méd., 1927-28, 8: 228-37.—**Bécart, A.** L'entéro-vaccinoclyse (vaccination locale et drainage de l'intestin par instillation duodénale) Clinique, Par., 1932, 27: 79-84.—**Belousov, V. A.** [Protein rations for school children during the period of convalescence from dysentery and typhoid] Pediatra, Moskva, 1937, No. 10, 11-8.—**Bogendorfer, L., & Weber, K.** Zur Frage der Adsorptionsbehandlung von Darminfektionen. Fortsch. Ther., 1927, 3: 272-4.—**Bonne, C.** [Bacteriophage treatment of infectious intestinal diseases] Geneesk. tscr. Ned. Indië, 1941, 81: 1838.—**Cas intéressants de troubles intestinaux justiciables de la bactériothérapie.** J. diét., Par., 1912, 3: 56.—**Chabreyroux, J.** Traitement spécifique des infections intestinales. Bruxelles méd., 1934-5, 15: 336-8.—**Chemotherapy of intestinal infections.** Brit. M. J., 1942, 2: 106.—**Control (The) of intestinal infections.** Squibb Mem., N. Y., 1941, 20: No. 3, 5-7.—**D'Hérèle, F.** Bacteriophage as a specific in the treatment and prophylaxis of cholera and bacillary dysentery. Abstr. Papers Far East. Ass. Trop. M., 1927, 7. Congr., 49.

—**Malone, R. H., & Lahiri, M. N.** The treatment and prophylaxis of infectious diseases on the intestinal tract and of cholera in particular. Tr. Far East. Ass. Trop. M. (1927) 1928, 7. Congr., pt 2, 288-93.—**Daunay, R.** Le traitement des infections intestinales chez le nourrisson. Médecine, Par., 1939, 20: 326-30.—**Eblen, J. G.** Sulfanilylguanidine in the treatment of enteric infections. South. M. J., 1942, 35: 302-5.—**Enteric (The) group of fevers; prevention and control.** Annual Rep. Chief M. Off. Min. Health, Lond. (1938) 1939, 52-6.—**Flerov, K. F.** (Pathogenesis and treatment of slight cases of intestinal infections) Klin. med., Moskva, 1929, 7: 337-41.—**How to prevent common diarrhoea, gastro-enteritis, Salmonella, typhoid fever and dysentery.** Month. Bull. Bur. Health, Manila, 1940, 20: 209.—**Lindfors-Aleksin, L. A.** [Value of oral immunization against intestinal infections] J. mikrob., Moskva, 1927, 4: 415-29.—**Marshall, E. K., jr.** Sulfaguanidine as a chemotherapeutic agent in intestinal infections. Mississippi Doctor, 1942-43, 20: 4-9.

—**Bratton, A. C.** [et al.] Sulfanilylguanidine; a chemotherapeutic agent for intestinal infections. Bull. Johns Hopkins Hosp., 1940, 67: 163-88.—**Melocchi, W.** Bacterioterapia e vaccinoterapia intestinale. Gior. clin. med., 1934, 15: 1172-80.

—**Sull'impiego terapeutico del colibacillo (mutaformoterapia) in alcune forme morbose intestinali.** Ibid., 1937, 18: 1676-83.—**Müller, O., & Dencke, G.** Ueber infektiöse Darmkrankheiten und ihre Bekämpfung. Münch. med. Wschr., 1938, 85: 1012.—**Price, D.** Autogenous vaccines in intestinal infections of infants. Irish J. M. Sc., 1930, 6. ser., 59-63.—**Ramón Guerra, A.** Sulfamidiazol y sulfamidopiridina; tratamiento de los síndromes nutritivos graves del lactante; tratamiento combinado nutritivo y quimioterápico. Arch. urug. med., 1941, 19: 473.—**Ravaut, P.** Les arsenicaux, par voie buccale, dans le traitement, la prophylaxie, la prévention de l'ambiasie et de diverses infections intestinales; efficacité de l'arsénobenzol. Presse méd., 1926, 34: 497-9.—**Report of the inquiry on bowel diseases; research; bacteriophage.** J. Trop. M. Hyg., Lond., 1935, 38: Suppl., 28.—**Sanarelli, G.** Entéropathies microbiennes et thérapeutique thermique. Paris méd., 1926, 59: 357-64. — Sul meccanismo d'azione

delle acque purgative naturali clorurato-sodiche, nelle enteropatie di natura microbica. Policlinico, 1926, 33: sez. prat., 149-54. — De la prémunition spécifique des entéropathies microbiennes. Presse méd., 1937, 45: 1819-22.—**Shiga, K.** On the use of oral vaccination for the prophylaxis of intestinal infections. Acta med. Keijo, 1928, 11: 79-82.—**Truelle, R.** La thérapeutique hydrominérale dans les infections intestinales à Plombières. Rev. prat. mal. pays chauds, 1939, 19: 787-94.—**Wehsarg.** Die Verwendung von Milchsäure bei infektiösen Darm-Erkrankungen. Fortsch. Ther., 1926, 2: 766.

Infection—in animals.

Ono, K. Vergleichende Untersuchungen über die Darmveränderungen der experimentellen mit Typhus-, Paratyphus-, echten sowie falschen Ruhr- und verschiedenen Coli-Bazillen injizierten Kaninchen. Fukuoka acta med., 1931, 24: 67-72.—**Syverton, J. T., & Olitsky, P. K.** Bacteriological studies on an epizootic of intestinal disease in suckling and newly weaned mice. J. Exp. M., 1934, 60: 385-94.

Inflammation.

See Enteritis; Enterocolitis; Gastroenteritis.

Injury.

See also subheadings (Hemorrhage; Perforation; Rupture) also Abdomen, Injury; Abortion, criminal, etc.

GOSES, A. *Ueber subkutane Darmverletzungen [Berlin] 40p. 8°. Charlottenb. [1938].

THOMMEN, J. *Klinische und experimentelle Beiträge zur Kenntniss der Bauchcontusionen und der Peritonitis nach subcutanen Darmverletzungen. 74p. 8°. Berl., 1902.

Attilio, B. Su quattro casi di lacerazione sottocutanea traumatica dell'intestino. Gior. med. Alto Adige, 1930, 2: 544-58.—**Basu, P. N., & Vasudevan, A.** Traumatic separation of an intestinal loop. Brit. M. J., 1928, 2: 611.—**Bertolini, F.** Rigenerazione dell'intestino nelle oturture. Arch. zool. ital., 1931, 16: 421-25.—**Black, W. R.** Multiple small and large-gut injuries; recovery. Brit. M. J., 1942, 1: 494.—**Blalock, A.** Trauma to the intestines; the importance of the local loss of fluid in the production of low blood pressure. Arch. Surg., 1931, 22: 314-24.—**Bologna, M.** Ricerche sulle rigenerazioni traumatiche delle pareti intestinali. Gazz. internaz. med. chir., 1927, 32: 225-32.—**Buhtz, H.** Ueber Schädigung des Darmes bei Röntgenbestrahlung. Strahlentherapie, 1939, 64: 291-310.—**Davis, C. B.** Four cases of traumatic intestinal injury. Surg. Clin. N. America, 1927, 7: 529-33.—**Della Mano, N.** Contusioni dell'addome con lesioni intestinali. Pensiero med., 1933, 22: 232: 271; 297.—**Donald, D. C.** Traumatic injury of abdomen with extensive damage to colon and small bowel. Am. J. Surg., 1937, 36: 514-9.—**Figurelli, G.** Sulle ferite intestinali accompagnantis ad emorritoneo. Morgagni, 1933, 75: 907-11.—**Gordon-Taylor, G.** Wound of the large intestine. In Surg. Modern Warf. (Bailey, H.) Edinb., 1940-41, p. 224-30.—**Hofhauser, J.** Verletzungen des Verdauungskanaals nach stumpfen, mechanischen Einwirkungen. Arch. klin. Chir., 1933-34, 178: 654-68.

[Intestinal injuries by contusion] Orv. hetil., 1934, 78: 531-6.—**Ide, A. W.** Lacerations of large and small intestine without perforation; report of case. Minnesota M., 1939, 22: 136.—**Ionescu, V. C., & Hristu, C.** Traumatisme intestinal par tentative d'avortement. Gyn. obst., Par., 1927, 16: 43-5.—**Kramer, W.** Eine seltene Form von Darmverletzung. Zbl. Chir., 1930, 57: 861.—**Krecke, A.** Darmverletzung. In his Beitr. prakt. Chir., Münch., 1934, 520.—**Ledingham, L. A.** Intestinal damage from a small wound. Lancet, Lond., 1941, 2: 311.—**Logvinsky, G. B.** [Subcutaneous injuries of the intestines] Vest. khir., 1940, 60: 49-55.—**Maciulis, S.** [Two cases of subcutaneous injury of the intestines] Medicina, Kaunas, 1932, 13: 467.—**Marini, F.** Sulle ferite intestinali. Ann. med. chir., Roma, 1840-41, 4: 121-34.—**Michelazzi, L.** Sopra la patogenesi della ipotensione da trauma intestinale. Riv. pat. sper., 1933-34, 11: 1-16, 2 pl.—**Nemilov, A. A.** [Problem of the mechanism of subcutaneous injuries of the intestines] Vest. khir., 1930, 19: 338-41.—**Nikitin, S. M.** [Injuries of the intestines without injury of the skin] Sov. et. khir., 1932, 2: 235.—**Ordóñez, D. O.** Interesting case of recovery from multiple intestinal wounds with two ascaris extracted from the abdominal operative wound. Month. Bull. Bur. Health, Manila, 1938, 18: 617-21.—**Parmenov, V. I.** [Results of operative treatment of gunshot wounds and injuries of the intestines by blunt objects] Vest. khir., 1938, 55: 567-76.—**Postolov, M. P.** [Cases of subcutaneous trauma of the intestines] Nov. khir. arkh., 1940-41, 48: 349.—**Pozsgay, I.** [Closed intestinal injuries] Gyógyászat, 1934, 74: 243-5.—**Romeo, M.** Innesti di aponevrosi fissata su perditte di sostanza della parete intestinale. Arch. Soc. ital. chir., (1926) 1927, 33: 712.—**Seifert, E.** Die stumpfen Darmverletzungen. Arch. orthop. Unfallchir., 1933-34, 34: 36-44.—**Sharinian, S. S.** [Experimental investigations on spontaneous healing of intestinal wounds] Vest. khir., 1937, 53: No. 9, 8-13.—

Stacy, H. S. Twenty years after; wound of caecum, ascending colon, and splenic flexure; localized peritonitis. *J. R. Army M. Corps*, 1940, 74: 174.—**Varva, I. A.** [Problem of injuries of the intestines without injury to the abdominal wall] *Vrach. delo*, 1929, 12: 959-62.—**Wakeley, C. P. G.** War wounds of the intestines and their treatment. *Postgrad. M. J.*, Lond., 1940, 16: 134-9.—**White, W. C.** Irradiation burn of the intestine. *Tr. Am. Surg. Ass.*, 1940, 58: 287-92. Also *Ann. Surg.*, 1940, 112: 769-74.

Intubation [incl. decompression]

See also Duodenal tube; Intestine, Occlusion: Treatment.

Abbott, W. O. Indications for the use of the Miller-Abbott tube. *N. England J. M.*, 1941, 225: 641-6.—**Baila, A. E.**, & **Garat, J. A.** La intubación intestinal. *Bol. Acad. argent. cir.*, 1941, 25: 657-75.—**Calcagno.** La intubación intestinal. *Ibid.*, 692.—**Canals.** Aspiración endodigestiva. *Actual. méd.*, Granada, 1942, 18: 449 (Abstr.).—**Costa, A. J.** Intubación intestinal. *Bol. Acad. argent. cir.*, 1941, 25: 931. Also *Prensa méd. argent.*, 1942, 29: 63.—**Delrio, J. M. A.**, & **Carpanelli, J. B.** Intubación intestinal con la sonda de Miller-Abbott; indicaciones, técnica, resultados. *Arch. argent. enferm. ap. digest.*, 1941-42, 17: 677-701.—**Geier, F. A. J.** The use and therapeutic value of intubation and decompression with the Miller-Abbott double lumen tube. *Med. Ann. District of Columbia*, 1943, 12: 138-44.—**Glenn, P. M.**, & **Faulkner, R. L.** Intestinal intubation in gynecologic intestinal complications. *Am. J. Obst.*, 1940, 39: 836-40.—**Guthrie, D.**, & **Heinrich, W. A.** Intestinal obstruction; especial reference to intestinal intubation. *Guthrie Clin. Bull.*, 1942-43, 12: 62-8.—**Hartzell, J. B.** Intestinal suction drainage in facilitating one-stage resection of the right colon. *J. Michigan M. Soc.*, 1941, 40: 277-80.—**Hinrichs, A.** Die Dauerdarmsonde; eine Methode zur systematischen Erforschung bisher unzugänglicher Darmabschnitte. *Deut. Zschr. Verdauungskr.*, 1940-41, 4: 1-20.—**Hoeft, M. E.** The use of a double lumen tube in intestinal intubation; its advantages and difficulties. *Surg. Clin. N. America*, 1941, 21: 588-92.—**Leigh, O. C.**, Jr., & **Diefendorf, R. O.** The Miller-Abbott tube in surgery. *J. Am. M. Ass.*, 1942, 118: 210-4.—**McKittrick, L. S.**, & **Warren, R.** The use of the Miller-Abbott tube in subtotal colectomy and other surgical procedures. *Ibid.*, 1941, 117: 345.—**Macrae, D. Jr.** Drainage of the bowel. *J. Lancet*, 1931, 51: 231.—**Mathieu, P.** Nouvelle canule intestinale à double courant. *Presse méd.*, 1933, 41: 1619.—**Metheny, D.**, & **Hutchins, L. R.** The use of gravity and Wangersten tip in Miller-Abbott intubation. *West. J. Surg.*, 1942, 50: 618.—**Miller, T. G.**, & **Abbott, W. O.** Intestinal intubation: a practical technique. *Am. J. M. Sc.*, 1934, 187: 595-9, 2 pl.—**Nicolini, R. C.** La intubación intestinal. *Prensa méd. argent.*, 1941, 28: pt 2, 2401.—**Mazzini, O. F.**, & **Pavlovsky.** La intubación intestinal. *Bol. Acad. argent. cir.*, 1941, 25: 846-50.—**Northrop, R. F.** Suction with a nasal catheter; its effect on the blood chemistry. *Arch. Surg.*, 1935, 30: 1040-8.—**Pasman, Calcagno & Pavlovsky.** La intubación intestinal. *Bol. Acad. argent. cir.*, 1941, 25: 733-7; 809-11.—**Pavlovsky.** La intubación intestinal. *Prensa méd. argent.*, 1941, 28: pt 2, 2289.—**Penberthy, G. C.**, **Irvin, J. G.**, & **Tenary, R. M.** Fluid, salt, and nutritional balance in patients with intestinal suction drainage. *Tr. Am. Surg. Ass.*, 1940, 58: 48-63.—**Pratt, G. H.** Intestinal evacuation by hydraulic suction; further uses of suction siphonage. *Am. J. Surg.*, 1934, 23: 148-200.—**Quick, A. J.** The Miller-Abbott tube. *Wisconsin M. J.*, 1942, 41: 915.—**Rodríguez Vargas, A.** Técnica de la intubación en el niño y en el adulto. *Bol. lar. otol.*, Madr., 1902, 2: 161; 1903, 3: 8.—**Rondelli, U.** La derivazione intestinale. *Minerva med.*, Tor., 1936, 27: pt 2, 274.—**Santas, A. A.** La aspiración intestinal; la sonda de Miller-Abbott. *Bol. Inst. clín. quir.*, B. Air., 1941, 17: 1142-50.—**Thompson, M.** Intestinal intubation. *South. Surgeon*, 1941, 10: 88-92.—**Turco, N. B.** Sonda gastroeyunal; su empleo quirúrgico. *Sem. méd.*, B. Air., 1942, 49: pt 2, 1123.—**Welch, C. E.** A method of constant suction applied to the Levine tube. *Surgery*, 1938, 3: 693-5.—**Whipple, A. O.** The use of the Miller-Abbott tube in the surgery of the large bowel. *Ibid.*, 1940, 8: 289-93.

Intussusception [invagination]

See also subheading Strangulation; also Ileus.

AMPUERO VILLEGAS, E. *Contribución al estudio de la invaginación intestinal en el lactante [Univ. Chile] 83p. 8°. Santiago, 1931.

MORGAN, J. E. *Intussusception. 63p. 4°. La Crosse, 1933.

RIVAROLA, J. E. *Invaginación intestinal en la primera infancia. 134p. 27cm. B. Air., 1940.

SCHLINGMANN, R. *Invagination des Darmes. 35p. 8°. Kiel, 1932.

WEIGMANN, H. *Ueber die Invagination des Darmes [Greifswald] 30p. 21cm. Würzb., 1938.

WEIN, W. *Ueber die Invagination am Darm. 60p. 22cm. Marb., 1936.

WETZEL, O. [A.] W. *Darmverschluss im Kindesalter. 2p. 8°. Heidelb., 1933.

Aspinal, A. Intussusception in an adult. *Med. J. Australia*, 1936, 1: 820.—**Ausset, R.** L'invagination intestinale du nourrisson. *J. méd. Paris*, 1928, 47: 270-2. Also *Méd. inf. Par.*, 1928, 34: 1-7.—**Avidon, D. B.** [Invaginations in children] *Khirurgia, Moskva*, 1937, No. 6, 111-7.—**Bergareche, J.** Invaginación intestinal infantil: formas agudas y crónicas. *Arch. med.*, Madr., 1929, 30: 301-6.—**Bokastova, O. S.** [Intestinal invagination in infants] *Sovet. klin.*, 1932, 18: 186-92.—**Buet.** Intestinal invaginations. *Month. J. Foreign M.*, 1828, 1: 339.—**Burgess, C. M.** Intussusception. *Proc. Clin. Honolulu*, 1938, 4: No. 9, 1-6.—**Burghard, E.** Die Darminvagination im Kindesalter. *Erg. inn. Med. Kinderh.*, 1928, 34: 220-42.—**Calvet, J. P.** L'invagination intestinale de l'adulte. *Progr. méd.*, Par., 1938, 431-5.—**Carvalho, T.** La invaginación intestinal. *Gac. méd. Caracas*, 1934, 41: 321-6.—**Cordovil, A.** Invaginação intestinal da criança e do adulto. *Hora med.*, Rio, 1939, 3: No. 11, 57-75.—**Costa, G.** Nuovi contributi clinici allo studio delle invaginazioni intestinali in persone adulte. *Arch. ital. chir.*, 1932, 32: 237-316.—**Crump, W. G.** Intussusception. *Bull. N. York M. Coll.*, 1938, 1: 187-92.—**D'Allaines.** Invagination intestinale. *Gaz. hôp.*, 1940, 113: 373.—**Dardel, C.** De l'invagination intestinale chez l'adulte. In *Festschrift F. de Quervain*, Basel, 1928, 69-78. Also *Schweiz. med. Wschr.*, 1928, 58: 558-61.—**Davies, D. O.** Intussusception. *Lancet*, Lond., 1939, 1: 1067.—**Davis, B. F.** Intussusception. *Minnesota M.*, 1936, 19: 455-60.—**Davis, E. C.** Intussusception. *South. M. J.*, 1927, 20: 440-3.—**Edberg, E.** Om intussusception in children. *Acta paediat.*, Upps., 1928, 8: 130-81.—**Fèvre, M.** Invagination intestinale du grand enfant. *J. chir.*, 1932, 39: 678-98.—**Fèvre, M.** Invagination intestinale du nourrisson. In *Année pédiat.* (Broca, R., & Marie, J.) *Par.*, 1932, 2: 149-66.—**Finkelstein, R.** Intussusception in the adult. *Am. J. Digest. Dis.*, 1938-39, 5: 322-5.—**Franzi, L.** Sull'invaginazione intestinale dell'infanzia. *Pediatrics (Riv.)*, 1939, 47: 832-53.—**Fuss, H.**, & **Leurs, L.** Beiträge zur Frage der Invagination des Darmes. *Beitr. klin. Chir.*, 1935, 161: 117-28.—**Gerwig, W. H., Jr.**, & **Stone, H. B.** Enteric intussusception in adults. *Surg. Gyn. Obst.*, 1943, 76: 95-9.—**Glos, J.** [Invagination of intestines] *Cas. lek. česk.*, 1927, 66: 55; 105.—**González Donoso, E.** Invaginación intestinal. *Bol. Soc. cir. Chile*, 1931, 9: 398-409.—**Gosses [Invagination]** *Geneesk. tschr. Ned. Indië*, 1941, 81: 2229.—**Grigsby, G. P.**, & **Kaplan, S. E.** Intussusception in infancy and childhood. *Kentucky M. J.*, 1938, 36: 313-24.—**Groper, M. J.** Retrograde enteric intussusception. *Ann. Surg.*, 1940, 112: 344-51.—**Hack, P.** Intussusception. *S. Afr. M. J.*, 1935, 9: 11.—**Halloran, W.** Intussusception of the bowel in adults. *Minnesota M.*, 1939, 22: 179.—**Hartshorn, W. E.** Intussusception. *Boston M. & S. J.*, 1927-28, 197: 1297-301.—**Hipley, P. L.** Intussusception. *Brit. M. J.*, 1935, 2: 717-21. Also *Lancet*, Lond., 1935, 2: 1197.—**Hofer, H.** Die Invagination beim Säugling und älteren Kinde. *Chirurg*, 1932, 4: 604.—**Hout, J. van der** [Observations on intestinal invagination] *Ned. tschr. geneesk.*, 1929, 73: pt 1, 2177-80.—**Inostrosa, A.** Invaginación intestinal. *Rev. chilena pediat.*, 1941, 12: 652-9.—**Iurko, P. G.** [On invagination of the intestine] *Nov. khir. arkh.*, 1940-41, 48: 49-53.—**Jackson, A. J.**, & **Bowen, J. J.** Intussusception in infants. *Connecticut M. J.*, 1942, 6: 916-20.—**Jaeger, F.** Ueber Darminvagination beim Erwachsenen. *Arch. klin. Chir.*, 1934, 181: 374-81.—**Johow, A.** Invaginación intestinal. *Rev. méd. Chile*, 1940, 68: 1328-31.—**Jong, J. P. de** [Intestinal invaginations] *Ned. tschr. geneesk.*, 1940, 84: 3502-9, pl.—**Keiter, W. E.** Intussusception. *North Carolina M. J.*, 1940, 1: 365.—**Lagos García, A.** Consideraciones generales sobre la invaginación intestinal del lactante. *Sem. méd.*, B. Air., 1939, 46: pt 1, 521-4.—**Lorenzo, J. de.** Intussuscepción intestinal. *Am. paul. med. cir.*, 1941, 42: 529.—**Lorthioir, P.** Invagination intestinale de la 2^e enfance. *Bruxelles méd.*, 1937-38, 18: 760-2.—**Lugones, C.** Invaginación intestinal. *Dia. méd.*, B. Air., 1941, 13: 886-92.—**McKenna, H.** Intussusception. *Surg. Clin. N. America*, 1926, 6: 887.—**Macnab, D. S.** Intussusception. *Canad. M. Ass. J.*, 1940, 42: 447-50.—**Madinaveitia, J. M.**, **Martínez Avial, J.**, & **Millieu, J. M.** Invaginaciones en adultos. *Arch. med.*, Madr., 1934, 37: 60-2.—**Mayo, C. W.** Acute and chronic intussusception. *Ohio M. J.*, 1933, 29: 693.—**Mendelson, E.**, & **Sherman, R. S.** Intussusception. *N. York State J. M.*, 1939, 39: 1353-9.—**Miyamoto, M.**, & **Murayama, T.** Klinische Betrachtungen über infantile Darmintussusception. *Taiwan igakki zassi*, 1934, 33: 99.—**Montgomery, A. H.** Intussusception and some other surgical conditions of the abdomen in children. *Nebraska M. J.*, 1930, 15: 21-6.—**Moore, G. A.** Intussusception in adults. *N. England J. M.*, 1932, 207: 395.—**Muller, S.** [Invaginations in children] *Hospitalstidende*, 1935, 78: *Med. selsk. Evens Stifts forh.* 10-6.—**Østergaard Christensen, L.** [Intestinal invagination in children] *Ugeskr. læger*, 1934, 96: 1229-36.—**Pardal, M.** Invaginação intestinal na infância. *Fol. med.*, Rio, 1932, 13: 55-7.—**Pauchet, V.** L'invagination intestinale du nourrisson. *Méd. inf.*, Par., 1931, 38: 241-8.—**Pernet, A.** Síndromos oclusivos; invaginación intestinal. *Hora med.*, Rio, 1940, No. 33, 27-43.—**Peterson, L. W.** Intussusception. *Wisconsin M. J.*, 1934, 33: 282-5.—**Piotet, G.** Nouvelles remarques sur les invaginations. *Gastroenterologia*, Basel, 1939, 64: 299-304.—**Podlaha, J.** [Intestinal invagination in children] *Bratisl. lek. listy*, 1937, 17: 500-4.—**Pollosson, E.**

& Rougemont, J. de. A propos de l'invagination intestinale chez l'adulte. Presse méd., 1928, 36: 278-80.—Popov, S. M. [Invagination of the intestinal tract] Kuban. nauch. med. J., 1928, 7: 22-36.—Patrick, R. C. Intussusception. Med. Rec., Houston, 1939, 33: 306-8.—Pruys, W. M. [Invagination] Geneesk. tsehr. Ned. Indië, 1940, 80: 1712.—Redwitz, E. von. Die Darminvagination im frühen Kindesalter. Med. Klin., Berl., 1940, 36: 315-7.—Riessner, D. [Invagination of the intestinal tract] Liječ. vjes., 1940, 62: 443-7.—Rocher, H. L., & Pouyane, L. Les invaginations intestinales du grand enfant. J. méd. Bordeaux, 1939, 116: pt 2, 113-22.—Rodda, F. C. Intussusception. Minnesota M., 1933, 16: 405-9.—Rodríguez Castro, A. Invaginación intestinal de 2. infancia. Arch. pediat. Uruguay, 1940, 11: 128-30.—Root, J. C. Intussusception in adult. Cleveland Clin. Q., 1940, 7: 74-9.—Rosenblum, P. Intussusception. Illinois M. J., 1938, 74: 309-13.—Rowe, P. G. Intussusception in adults. Canad. M. Ass. J., 1942, 47: 219-25.—Schiavone, G. A. Invaginación intestinal en el lactante. Sem. méd., B. Air., 1936, 43: pt 1, 687-96.—Selman, W. A. Intussusception. J. M. Ass. Georgia, 1938, 17: 490-7.—Sernau, G. Die Invagination beim Säugling und Kleinkinde. Kinderärztl. Prax., 1938, 9: 332; 380.—Shatunoff, P. G. [Intestinal invagination] Sovet. vrach., 1934, 38: 602.—Shimanovich, S. V. [On invagination of the intestine] Kazan. med. J., 1939, 35: 31-5.—Solér y Julia, J. La invaginación intestinal en el adulto. Rev. méd. Barcelona, 1932, 18: 558-67.—Starlinger, F. Darmverschluss durch Invagination beim Kinde und beim Erwachsenen. Wien. klin. Wschr., 1931, 44: 143-5.—Steinsieger, M. Invaginación intestinal del lactante. Sem. méd., B. Air., 1926, 33: pt 1, 435-40.—Stuart, A. B. Intussusception. J. Lancet, 1926, 46: 248-51.—Thomson, H. [Intestinal invagination in children] Ugeskr. læger, 1933, 95: 639-43.—Velasco, D., & Anido, A. Invaginación intestinal en la segunda infancia. Arch. Soc. estud. clín. Habana, 1941, 35: 613-45.—Voncken, Invagination intestinal. In Livre jubilé, P. Derache, Brux., 1933, 117-29.—Woiski, J. R. Invaginación intestinal na criança. Pediat. prat., S. Paulo, 1939, 10: 363-80.—Wyatt, O. S. Intussusception in infants. Minnesota M., 1941, 24: 587-92.—Zamorani, V. Invaginazione intestinale. Riforma med., 1936, 52: 1403-9.—Zaragoza, J., & Verdell, J. A. Consideraciones sobre invaginación intestinal. Día méd., B. Air., 1940, 12: 1070-2.

Intussusception, acute.

ALLAINES, F. D', & ARMINGEAT, J. L'invagination intestinale aiguë du nourrisson. 122p. 12° Par., 1931.

LAMBERT, H. *De l'invagination intestinale aiguë; ses formes cliniques chez l'adulte. 100p. 8° Par., 1930.

MARIE, R. *Invagination intestinale aiguë primitive de l'adulte. 82p. 8° Par., 1931.

Badia, P. D. Acute intussusception; etiology and treatment with case presentation. Med. Times, N. Y., 1942, 70: 373-7.—Badolle, R. Invagination intestinale aiguë chez l'adulte. Loire méd., 1931, 45: 340-7.—Bailey, H. Acute intussusception in adults. Birmingham M. Rev., 1928, n. ser., 3: 287-90.—Bell, H. G., & Olney, M. B. Acute intussusception in infants. Surg. Clin. N. America, 1934, 14: 1303-9.—Bloch, R. Un cas instructif d'invagination intestinale aiguë du nourrisson. Bull. Soc. nat. chir., Par., 1932, 58: 1317.—Bohème, P. Neuf cas d'invagination aiguë de l'enfance. Rev. chir., Par., 1929, 66: 582-93.—Bortin, A. Case of acute intussusception with spontaneous recovery. Med. Times, N. Y., 1932, 60: 353.—Brito, J. Invaginación intestinal aguda na infancia. Brasil med., 1936, 50: 815-27. C. J. Invagination aiguë infantile. Arch. méd. enf., 1939, 42: 454-9.—Cadenat, F. M. Invagination intestinale aiguë chez l'adulte. Bull. Soc. nat. chir., Par., 1927, 53: 89.—Capone, A. J. Acute intussusception in infancy. Am. J. Surg., 1942, 57: 12-9.—Cattani de Curtis, S. Invaginación intestinal aguda no adulto; a proposito de um caso. Arq. rio grand. med., 1938, 17: 183-91.—Close, H. G. Acute intussusception in children; a statistical analysis of 363 cases at Guy's hospital. Guy's Hosp. Rep., Lond., 1931, 81: 436-43.—Cuff, C. H., & Gosden, M. Acute intussusception in an adult. Brit. J. Surg., 1934-35, 22: 623-5.—Deherrington, H. L'invagination intestinale aiguë dans l'enfance. J. sc. méd. Lille, 1920, 38: pt 1, 117-25.—Del Campo, R. M., & Bazzano, H. C. Invaginación intestinal aguda en el lactante. Arch. pediat. Uruguay, 1938, 9: 385-456. — & Rodríguez Zanessi, F. Consideraciones sobre invaginación intestinal aguda en el niño. Ibid., 1937, 8: 341-57.—Elliott, P. C. Acute intussusception in infancy. J. Tennessee M. Ass., 1939, 32: 187-91.—Entwisle, R. M. Acute intussusception in infants. Atlantic M. J., 1925-26, 29: 599-601.—Ferey, D. Fruchard [et al.] Invagination intestinale aiguë chez l'adulte. Bull. Soc. nat. chir., Par., 1927, 53: 318-24.—Forti, E. Contributo allo studio della invaginazione intestinale acuta nell'adulto. Riforma med., 1927, 43: 1038-40.—Forty, F. Acute intussusception in infants. Clin. J., Lond., 1935, 64: 330-2.—Fournier, J. Deux cas d'invagination intestinale aiguë de la seconde enfance. Bull. Soc. nat. chir., Par., 1927, 53: 638-43.—Gelston, C. F., & Sappington, E. E. Acute intussusception in the new-born, with report of a case including autopsy findings. Arch. Pediat.,

N. Y., 1930, 47: 185-9.—Gibbon, R. L. Acute intussusception in infants. Tr. South. Surg. Ass., 1927, 40: 452-68.—Guibal, P. Invagination intestinale aiguë chez l'adulte. Bull. Soc. nat. chir., Par., 1927, 53: 510.—Hill, R. Acute primary intussusception. Tr. West. Surg. Ass. (1926) 1927, 36: 207-17.—Hubner, G. Invagination intestinale aiguë de l'adulte et de l'adolescent. Gaz. hôp., 1929, 102: 257; 293.—Juaristi & Arraiza. La invaginación intestinal aguda. Arch. españ. pediat., 1928, 12: 5-7, pl.—Kendig, E. L., jr. Acute intussusception. Virginia M. Month., 1941, 68: 596-9.—Lasserre, C., & Clarac, J. Un cas d'invagination intestinale aiguë du nourrisson. Bordeaux chir., 1932, 3: 507.—Lastra, J. S. Invaginación intestinal aguda en un enfermo de 50 años. Crón. méd. quir. Habana, 1927, 53: 232-5.—Macdonald, J. F. Acute intussusception. Brit. M. J., 1940, 2: 573.—McLaughlin, C. W., jr. Acute intussusception in infancy and childhood. Nebraska M. J., 1936, 21: 333-8.—Marinho, F. A., & Burlamaqui Benchimol, N. Invaginación intestinal aguda em creança de 7 anos. Brasil cir., 1940, 2: 181-93.—Martin, C. Quelques observations d'invagination intestinale aiguë. Arch. méd. Angers, 1927, 31: 41-54.—Mayo, C. W. Acute intussusception. Nebraska M. J., 1933, 18: 121-5.— & Phillips, J. R. Acute intussusception in children: report of thirty-one cases; tuberculous cyst of a fallopian tube; femoral peritoneal cyst: report of a case. Surg. Clin. N. America, 1933, 13: 995-1003.—Métivet, G. Invagination intestinale aiguë chez le nourrisson et chez l'enfant. Bull. Soc. nat. chir., Par., 1928, 54: 1133-6.—Miller, E. M. Acute intussusception. Tr. Am. Surg. Ass., 1933, 51: 227-33. Also Ann. Surg., 1933, 98: 706-12. Also Internat. Clin., 1934, 44, ser., 3: 123-34, 3 pl.—Moggi, D. Sull'invaginazione intestinale acuta nella prima infanzia. Riv. clin. pediat., 1935, 33: 72-9.—Monrad, S. Acute invagination of the intestine in small children. Arch. Dis. Childh., Lond., 1926, 1: 323-38.—Mora, J. M., & Aries, L. J. Acute intussusception in early weeks of life. Am. J. Surg., 1936, 32: 176.—Murray, J. D. R. Eight cases of acute intussusception in infants and some observations thereon. Brit. J. Child Dis., 1929, 26: 83-98.—Perdoux. Invagination intestinale aiguë chez l'adulte. Bull. Soc. nat. chir., Par., 1927, 53: 918-21.—Peterson, E. W., & Carter, R. F. Acute intussusception in infancy and childhood; a review of sixty-four cases. Ann. Surg., 1932, 96: 94-7.—Piazza-Poliak, M. Due casi di invaginazione intestinale acuta in lattanti del primo semestre di vita. Lattante, 1940, 11: 128-32.—Ramond, L. Invagination intestinale (invagination intestinale aiguë du nourrisson) Sem. hôp. Paris, 1926, 3: 583-99.—Roldán, A. Invaginación intestinal aguda en un adulto. An. Fac. med., Montev., 1929, 14: 312-4.—Sabottier, A. Deux cas d'invagination aiguë chez le nourrisson. Nourrisson, 1929, 17: 158.—Schiavone, G. A. Invaginación intestinal aguda en un lactante de 9 días. Rev. As. méd. argent., 1935, 43: 80-9.—Siqueira, A. de, & Gomes de Mattos, A. Sobre um caso de invaginación intestinal aguda na criança. Ann. paul. med. cir., 1933, 25: 423-33.—Sweet, P. W. Acute intussusception in infancy. Tr. Ass. Physicians Mayo Clin. (1927) 1928, 8: 65-76.—Vogt, L. G. Akute Invagination beim Kleinkind. Deut. med. Wschr., 1939, 65: 1543-5.—Wakeley, C. P. G., & Atkinson, F. R. B. Acute intussusception in children. Brit. J. Child. Dis., 1938, 35: 241-50.—Walker, J. H. Acute intussusception in infants, a report of 2 cases. J. Oklahoma M. Ass., 1941, 34: 100-3.—Widgery, F. W. Acute intussusception in an adult. Lancet, Lond., 1926, 2: 122.

Intussusception: Cases and statistics.

GULLICHSEN, R. Etude sur l'invagination intestinale basée sur 234 cas provenant de 12 hôpitaux en Finlande. 139p. 8° Helsin., 1933.

LORENZI, A. *Contribución estadística a l'étude de l'invagination intestinale chez le nourrisson. 43p. 8° Par., 1926.

Bachy, G. Deux cas d'invagination intestinale chez l'adulte. Mém. Acad. chir., Par., 1937, 63: 1321-6.—Banks, B. Triple intestinal intussusception; report of a case. West Virginia M. J., 1926, 22: 669.—Baptista, V. Sobre alguns casos de invaginación intestinal. Brasil med., 1926, 40: pt 2, 178-80.—Bardram, E. [Twenty-two cases of intussusception in children (1913-25)] Ugeskr. læger, 1927, 89: 277-81.—Barrero, O. Dos casos de invaginación intestinal en el adulto. Villacarla méd., S. Clara, 1939, 7: 5-27.—Baz, G. Dos casos de invaginación intestinal. Hosp. gen., Méx., 1928, 3: 46-8.—Bockoven, W. A. A rare abdominal condition. J. Iowa M. Soc., 1936, 26: 257.—Bovy, J. Un cas d'invagination intestinale. Liège méd., 1931, 24: 37-41.—Brener, A. Um caso de invaginación intestinal. An. paul. med. cir., 1942, 43: Suppl. 1.—Carrillo Gil, A. Un caso de invaginación intestinal en una niña de tres meses. Rev. mex. cir. gin. cáncer, 1936, 4: 527-31.—Caylor, H. D., & Caylor, T. E. Intussusception (resume of the salient features of the disorder with a report of 2 cases) J. Ind. M. Ass., 1932, 25: 112-7.—Censi, G. A proposito di una invaginatio enterica. Gazz. osp., 1936, 57: 708; 731.—Christopher, F. Intussusception in adults; 2 additional cases. Surg. Gyn. Obst., 1936, 63: 670-4.—Creighton, R. H., & Jones, W. R. Enteric intussusception in an adult; report of a case. Minnesota M., 1940, 23: 677-9.—Crooks, J. Intussusception illustrated by 3 unusual examples. Brit. M. J., 1931, 2: 496.—Díaz, F., & Rivero, L. Un caso de invaginación intestinal en un niño de 4 meses. Gac. méd. Caracas, 1935, 42:

33-9.—Dordi, A. Su tre casi d'invaginazione intestinale. *Pediat. med. prat.*, Tor., 1938, 13: 222-32.—Duroselle. Quatorze cas d'invagination intestinale. *Bull. Soc. nat. chir.*, Par., 1933, 59: 1158-65.—Elliot-Smith, A. Irreducible intussusception; a report of 4 cases. *Lancet*, Lond., 1935, 2: 992-4.—Fitzwilliams, D. C. L. Intussusception; case report. *Proc. R. Soc. M.*, Lond., 1937-38, 31: 1046.—Flahault. Contribution à l'invagination intestinale chez l'enfant. *Bull. Soc. chir.*, Paris, 1929, 21: 598-602.—Gioseffi, M. Altri due casi d'invaginazione intestinale in lattanti. *Lattante*, 1940, 11: 133-5.—Glukhovsky, S. M. [Case of invagination in a child of a year and 4 months of age] *Sovet. pediat.*, 1936, No. 10, 89.—González, J. F. Invaginación intestinal; presentación de algunos casos con estudio y revisión de la literatura. *Bol. As. méd. Puerto Rico*, 1933, 25: 279-325.—Gordon, E. F. Intussusception; a review of 42 cases from the files of the New Haven Hospital and 2 cases seen in private practice. *Arch. Pediat.*, N. Y., 1940, 57: 585-94.—Gudladt, H. Hundert neunzig Fälle von Darmverschluss; nach Leichenbefunden des Pathologischen Institutes der Medizinischen Akademie Düsseldorf. *Deut. Zschr. Chir.*, 1939, 252: 94-111.—Hall, R. D. McK. An unusual type of intussusception. *Med. J. Australia*, 1927, 1: 304.—Heanley, C. L. Three cases of intussusception in the adult with reference to aetiology. *Brit. M. J.*, 1938, 2: 1309-11.—Henriques, A. V. [Case of chronic invagination in a girl 4 years of age] *Ugeskr. laeger*, 1940, 102: 1272.—Hickson, E. W. Intussusception; report of a case. *J. Missouri M. Ass.*, 1931, 28: 17.—Hipsley, P. L. An unusual case of intussusception. *Med. J. Australia*, 1934, 2: 455.—Huang, Chia-szu. Intussusception in adults; report of 8 cases. *Chin. M. J.*, 1939, 55: 514-27.—Huber. Ueber einen Fall von Invagination mit atypischem Verlauf. *Kinderärztl. Prax.*, 1934, 5: 60.—Izashvili, N. P. [Cases of spontaneous correction of invagination of the intestines] *Nov. khir. arkh.*, 1938, 42: 426.—Jones, P. A case of partial intussusception. *Melbourne Hosp. Clin. Rep.*, 1941, 12: No. 2, 34, pl.—Juillard, E. Enquête sur l'invagination intestinale en Suisse. *Helvet. med. acta*, 1942, 9: 63-80.—Kahle, H. R. An analysis of 151 cases of intussusception from Charity Hospital of Louisiana at New Orleans. *Am. J. Surg.*, 1941, 52: 215-24.—Katz, A. Three cases of intussusception. *S. Barth. Hosp. J.*, Lond., 1937-38, 45: 279-82.—Kienböck, R., & Schönbauer, L. Ein Fall von Darminvagination. *Fortsch. Röntgenstrahl.*, 1933, 48: 426-30.—Kummer, A. [Case of spontaneous invagination in an adult] *Ned. tscr. geneesk.*, 1933, 77: 5283-8, pl.—Ladd, W. E., & Gross, R. E. Intussusception in infancy and childhood; a report of 372 cases. *Arch. Surg.*, 1934, 29: 365-84.—Larré, E. Sobre un caso de invaginación intestinal. *An. Hosp. S. José, Madr.*, 1929-30, 1: 43-7, 2 pl.—Lewis, E. E. A case of retrograde intussusception occurring during life. *Brit. J. Surg.*, 1935-36, 23: 683.—Lyles, E. Two unusual cases of intussusception. *Brit. M. J.*, 1930, 2: 181.—Macaggi, G. B. Commento a quattro casi di invaginazione intestinale infantile. *Prat. pediat.*, Genova, 1931, 9: 3-17.—Macewen, J. A. C. Triple intussusception in an elderly woman. *Brit. M. J.*, 1928, 2: 489.—Macfarlane, W. D. A brief survey of 100 consecutive cases of intussusception. *Tr. R. Med. Chir. Soc. Glasgow*, 1933-34, 28: 77-82.—Maciulis, S. [Rare case of double invagination of the intestines] *Medicina*, Kaunas, 1932, 13: 536.—Martin, C. Trois nouveaux cas d'invagination intestinale chez des nouveau-nés (1 mort, 2 guérisons) *Arch. méd. Angers*, 1927, 31: 209-17.—Martínez Vargas. Invaginación intestinal frustánea en un niño de 6 meses. *Med. niños*, 1927, 28: 225-32.—Meissner, K. von. Zwei Fälle von plötzlichem Magenausgangverschluss durch seltene Invaginationenformen. *Wien. klin. Wschr.*, 1939, 52: 70.—Miller, G. G., & Workman, E. W. A clinical survey of 21 cases of intussusception. *Canad. M. Ass. J.*, 1935, 32: 600-5.—Miller, R. A case of sub-acute intussusception with skiagrams. *Arch. Dis. Childh.*, Lond., 1932, 7: 209.—Minne, J. Un type curieux d'invagination intestinale. *Rev. gén. clin. théor.*, 1930, 44: 854-6. Also *Echo méd. nord*, 1931, 35: 103-5.—Mitchell, A. Retrograde intussusception occurring during life. *Brit. J. Surg.*, 1936, 24: 191.—Monfort, J. J. Intussusception; case report. *J. Arkansas M. Soc.*, 1937-38, 34: 271.—Monrad, S. [One hundred and fifteen cases of intestinal invagination in infants with special consideration of its symptomatology and treatment] *Hospitaltidende*, 1926, 69: [Forh. Med. Selsk. København] 68-75.—Morelle, J., & Lacroix, P. Trois cas d'invagination intestinale chez l'adulte. *Rev. belge sc. méd.*, 1937, 9: 641-6.—Nafi Bey. Un cas d'invagination intestinale chez l'adulte. *Marseille méd.*, 1933, 70: 310-2.—Neuffer, G. A. Intussusception, with report of 6 cases. *J. South Carolina M. Ass.*, 1926, 22: 250.—Ochsner, H. C., & Gatch, W. D. Intussusception in the adult, a case report. *Am. J. Roentg.*, 1939, 42: 276-9.—Papadopoulos, S. G. A case of double intussusception. *Lancet*, Lond., 1934, 1: 1170.—Podetti, V. L'invaginazione intestinale; un caso di guarigione spontanea. *Arch. sc. med.*, Tor., 1939, 67: 313-61.—Quinones, E., & Santos, J. A. Un caso raro de intussuscepción. *Bol. As. méd. Puerto Rico*, 1930, 22: 134-6.—Richdorf, L. F., & Hayes, J. M. Intestinal intussusception in infants with report of an unusual case. *Minnesota M.*, 1933, 16: 131-3.—Roersch, C. Observations d'invagination intestinale. *Liège méd.*, 1930, 23: 1581-96. Also *Ann. Soc. méd. chir. Liège*, 1931, 64: 1-II.—Romulo, E. P. Intestinal intussusception in a child of 8 months. *Month. Bull. Bur. Health, Manila*, 1939, 19: 107-9.—Rossien, A. X. Intussusception; report of unusual adult case. *Am. J. Roentg.*, 1941, 46: 832-5.—Sorrel, Guichard & Sabourin. Quatre observations de formes rares d'invagination intestinales chez

le grand enfant. *Bull. Soc. pédiat. Paris*, 1935, 33: 119-33.—Takasima, R. Ueber 4 Fälle von etwas seltener Darminvagination. *Zbl. Chir.*, 1936, 63: 2431-7.—Tanasescu [Six cas d'invagination intestinale] *Bull. Soc. nat. chir.*, Par., 1927, 53: 925-33.—Tavares, A. Invaginação intestinal num adulto; eliminação espontânea do segmento invaginado. *Med. contemp.*, Lisb., 1935, 53: 331-3.—Thompson, L. D. Intussusception terminating in spontaneous elimination; report of a case with complete recovery. *Am. J. Dis. Child.*, 1927, 34: 640-3.—Vargas, M. R. Invaginación intestinal en el lactante. *Bol. Soc. cir. Chile*, 1928, 6: 65-74.—Vos, P. A. [Review of the cases at the Municipal Hospital of Amsterdam] *Ned. tscr. geneesk.*, 1927, 71: 1273-9.—Ward-Smith, W. Unusual cases of intussusception. *Clin. J.*, Lond., 1927, 56: 151-4.—Weaver, C. E. Intussusception; case report. *Radiology*, 1931, 16: 64-6.—Weeks, A., & Delprat, G. D. Intussusception; a study of 14 cases. *Arch. Pediat.*, N. Y., 1927, 44: 469-77.—Welsh, S. M., & Coyne, A. R. Double intussusception of the bowel. *Wisconsin M. J.*, 1934, 33: 199-202.—White, W. H. C. Intussusception; report of a case. *South. M. & S.*, 1931, 93: 24-9.

Intussusception, chronic.

KOSSAK, S. *Etude d'un cas d'invagination chronique chez l'adulte. 23p. 8°. Lausanne, 1936.

LECAT, M. *Les formes subaiguës et chroniques de l'invagination intestinale du nourrisson. 69p. 8°. Par., 1934.

Anderson, D. Chronic intussusception reduced by rectal injection after 4 months. *Med. J. Australia*, 1936, 2: 889.—Beaven, P. W. The occurrence of chronic intussusception in young children. *Am. J. Dis. Child.*, 1929, 37: 373-8.—Birkenfeld, W. Chronische Darminvagination beim Kind. *Beitr. klin. Chir.*, 1926, 138: 521-54.—Carajannopoulos, G. Un cas d'invagination chronique chez l'adulte. *Bull. Soc. nat. chir.*, Par., 1928, 54: 579-81.—Daniels, A. Chronische Darminvagination. *Arch. klin. Chir.*, 1928, 153: 16-22.—Fiole. Aspects radiologiques d'invagination chronique chez l'adulte. *Techn. chir.*, Par., 1933, 25: 173-6.—Galdau. Ueber einen neuen Fall von chronischer Darminvagination, röntgenologisch diagnostiziert. *Fortsch. Röntgenstrahl.*, 1926, 34: 540-2.—Goldman, C., & Lieberman, W. Chronic sigmoid intussusception; report of 2 cases. *Tr. Am. Proct. Soc.*, 1940, 41: 157-61.—Gossard, Ledoux-Lebard & Garcia Calderon. Les signes radiologiques de l'invagination intestinale chronique de l'adulte. *Bull. Soc. radiol. méd. France*, 1929, 17: 131-3.—Gronberg, G. [Chronic intestinal invagination in children] *Sven. läk. tidn.*, 1937, 34: 524-38, 4 pl.—Hallé, J., & Lucat. La forme chronique atrepsique de l'invagination intestinale du nourrisson. *Bull. Soc. pédiat. Paris*, 1934, 32: 116-23.—Henriques, A. [Case of chronic invagination] *Ugeskr. laeger*, 1941, 103: 186.—Horine, C. F., & Warner, C. G. Chronic intussusception. *Bull. School M. Univ. Maryland*, 1932, 16: 185-93.—Kirkman, N. F., Barlow, T., & Mothershead, S. A case of persistent intussusception in an adult; with an anatomical note. *Brit. J. Surg.*, 1940-41, 28: 426-31.—Langdon, J. F. Chronic intussusception. *Nebraska M. J.*, 1928, 13: 375-8.—Lefebvre & Ducrocq. Invagination intestinale chronique. *Echo méd. nord*, 1931, 35: 3.—Lefèvre & Laporte, A. Sur un cas d'invagination intestinale chronique. *Bordeaux chir.*, 1934, 5: 177-80.—Mauriac, Lefèvre [et al.] Sur un cas d'invagination intestinale chronique de l'adulte. *Ibid.*, 1936, 7: 204-10.—Mayo, C. W. Chronic intussusception: presentation of case. *Proc. Mayo Clin.*, 1933, 8: 313.—Phillips, J. R. Chronic intussusception in the gastro-intestinal tract; a report of 39 cases. *Minnesota M.*, 1934, 17: 196-8.—Mouchet, A., & Gueullette. Deux cas d'invagination intestinale chronique chez l'enfant. *Bull. Soc. pédiat. Paris*, 1926, 24: 232-6.—Negisi, W. Zwei Fälle von der chronischen Invagination im Kindesalter. *Acta paediat. jap.*, 1938, 44: 29 (Abstr.).—Pybus, F. C. Chronic intussusception. *Proc. R. Soc. M.*, Lond., 1934, 27: 1325.—Rivarola, J. E., & Ibáñez, A. L. Invaginación intestinal crónica en un lactante de 12 meses de edad. *Arch. argent. pediat.*, 1941, 16: 355-9.—Romiti, Z. L'invaginazione intestinale cronica degli adulti e suoi rapporti colla stipsi. *Arch. Soc. ital. chir.* (1927) 1928, 34: 851-3.—Ryan, J. R. Concurrent chronic intussusception and retrograde intussusception. *Med. J. Australia*, 1936, 2: 331-3.—Saint, J. H. Chronic intussusception due to submucous lipoma of ascending colon; case report. *Am. J. Surg.*, 1942, 58: 414-21.—Salmeri, A. Su di un caso di invaginazione intestinale cronica. *Pediatrica (Riv.)*, 1930, 38: 241-50.—Shifflett, E. L., & Kalayjian, B. Chronic recurrent intussusception in an adult associated with adenocarcinoma of the cecum. *Radiology*, 1936, 27: 96-100.—Stallman, J. F. H. Chronic intussusception in children; a criticism of the term, with a report of 9 cases occurring in children. *Ann. Surg.*, 1926, 84: 735-52.—Sutherland, D. M. Chronic intussusception in children. *Arch. Dis. Childh.*, Lond., 1932, 7: 191.

Intussusception: Complication.

See also Ileus; Intestine, Gangrene.
LEURS, L. *Ueber Invaginationsileus. 31p. 8°. Bonn, 1935.

Boevé, H. J. [Phlegmonous disease of small and large intestine with invagination; case] Ned. tsehr. geneesk., 1929, 73: pt 1, 2859.—**Burkwall, H. F.** Intussusception with proci-dentia through an ulcerated ventral hernia; report of case. J. Missouri M. Ass., 1938, 35: 308-10.—**Chaffin, L., Mason, V. R., & Slemmons, J. M.** Intussusception during pregnancy. Surg. Gyn. Obst., 1937, 64: 811-9.—**Easton, E. R.** Intussus-ception associated with tuberculosis; a case in an adult. Arch. Surg., 1933, 27: 868-77.—**Evans, E. I.** The mechanism of shock in intestinal strangulation. Am. J. Physiol., 1941, 133: 271.—**Garipuy & Mériel, P.** Mclena mortel chez un nouveau-né de 2 jours par invagination intestinale. Bull. Soc. obst. gyn. Paris, 1926, 15: 396.—**Gilchrist, K. J.** Intussusception protruding through anus with inversion of appendix. Brit. M. J., 1939, 1: 413.—**Haberer, H. von.** Ileus durch eine ungewöhnliche Darmveränderung. Beitr. path. Anat., 1931, 87: 466-73, pl.—**Hipsley, P. L.** Adhesions following intussus-ception. Med. J. Australia, 1942, 1: 587.—**Klenka, Z.** [Case of intestinal occlusion with intussusception] Bratisl. lek. listy, 1934, 14: 39-40.—**Le Bell, I.** Prolapsus intussuscepti; report of case. Arch. Pediat., N. Y., 1938, 55: 475-81.—**Lloyd, E. I.** Unusual forms and complications of intussuscep-tion. Clin. J., Lond., 1927, 56: 472-6.—**Mayo, C. W.** Spontaneous expulsion of an intussuscepted bowel. Proc. Mayo Clin., 1932, 7: 345.—**Morrison, W. R.** Double intus-susception. Boston M. & S. J., 1927, 197: 183.—**Pillai, R. R.** A double intussusception. Ind. M. Gaz., 1927, 62: 258.—**Saidman, M.** Strangulation ileus as Spätfolge einer operativ geheilten Darminvagination bei einem 7 Monate alten Kinde. Zbl. Chir., 1931, 58: 1891.—**Sapre, G. R.** Spontaneous separation of an intussusceptum with recovery. Ind. M. Gaz., 1932, 67: 332.—**Satanowsky, S.** Invaginación crónica del apéndice por adenoma e invaginación recidivante ceco-cólica. Rev. As. méd. argent., 1940, 54: 476-81.—**Scazzella, M.** Su di un esito poco frequente della invaginazione intestinale acuta nell'in-fanzia. Pediat. med. prat., Tor., 1935, 10: 5-15.—**Shelley, H. J.** The treatment of intussusception; report of a case with perforation. Arch. Surg., 1932, 24: 318-24.—**Siegmund, E.** [Ileus from intestinal invagination] Orv. hetil., 1926, 70: 1035.—**Sostegni, A.** Occlusione intestinale da invaginazione. Arch. Soc. ital. chir., 1934, 40: 775-9.—**Szlávik, F., & Farkas, K.** [Intussusception section eliminated through the natural paths] Budapesti orv. ujs., 1941, 39: 145-7.

Intussusception: Diagnosis.

BAMAS, A. *Le rôle du lavement baryté sous écran dans le diagnostic de l'invagination intestinale aiguë du nourrisson. 36p. 8° Par., 1933.

CADILLAC, L. *Contribution à l'étude radio-logique de l'invagination intestinale de l'adulte. 50p. 8° Par., 1932.

GOUIN, A. Y. *De la constatation de la tumeur d'invagination dans le diagnostic des invaginations intestinales. 71p. 25½cm. Par., 1939.

MORO, J. *L'intérêt du lavement baryté dans le diagnostic et le traitement de l'invagination intestinale. 81p. 8° Par., 1933.

Abad, M. B. Intestinal intussusception: the importance of its early diagnosis. J. Philippine M. Ass., 1940, 20: 255-66.—**Abrams, H. S.** Intussusception; particular reference to roent-gen diagnosis without opaque media. Radiology, 1941, 36: 490-2.—**Alvaré, E. de.** El sintoma cardinal en la invaginación intestinal en la infancia. Bol. Clin. As. Damas Covadonga, Habana, 1938, 5: 167-70.—**Amorim, A. A.** Necessidade do diagnóstico precoce da invaginação intestinal na infância. Pub. méd., S. Paulo, 1942-43, 14: 49-59.—**Bienvenue, A., & Gouin, J.** A propos de la radiologie de l'invagination intestinale aiguë chez le nourrisson et le jeune enfant. Gaz. méd. France, 1929, 3: 87-9.—**Bignami, G.** Quadri radiologici da invagina-zione gastro-gastroduodenale e duodeno-duodenale. Arch. radiol., Nap., 1939, 15: 255-67.—**Boggon, R. H.** The barium enema in the diagnosis of intussusception. Lancet, Lond., 1932, 2: 1051.—**Bonomini, B.** Influenza del mesenterio nella produzione degli aspetti radiologici della invaginazione. Arch. ital. mal. app. diger., 1937, 6: 457-77.—**Brocq, P., & Gueullette, R.** L'invagination intestinale de l'adulte: formes cliniques et étude radiologique. J. chir., Par., 1926, 28: 369-92.—**Burghard, E.** Zur Diagnose der Darminvagination im Säuglingsalter. Deut. med. Wschr., 1928, 54: 1165.—**Carnot, P., Bergeret, A., & Caroli, J.** Etude radiologique de 2 cas d'invagination intestinale chez l'adulte. Arch. mal. app. digest., Par., 1932, 22: 774.—**Catel, W.** Zur Pathogenese und Röntgendiagnose der Inva-gination des Darnes. Med. Klin., Berl., 1937, 33: 1024-6.—**Cesarini, M.** L'indagine radiologica nella diagnosi d'invagina-zione intestinale. Athena, Roma, 1935, 4: 283-6.—**Davis, K. S., & Parker, C.** Intussusception; its roentgenographic diagnosis. California West. M., 1929, 31: 330-5.—**Edberg, E.** Ueber den Wert der Röntgenuntersuchung bei akuter Darm-invagination. Acta radiol., Stockh., 1930, 11: 194-203, 2 pl.—**Eerland, L. D.** [Diagnostic difficulties in intestinal invagina-tion] Geneesk. tsehr. Ned. Indië, 1934, 74: 1554-64.—**Ellis, R. W. B.** Syncopal attacks as a symptom of intussusception.

Lancet, Lond., 1933, 2: 703.—**Fèvre, M.** Signes, diagnostic précoce, indication du traitement dans l'invagination intestinale aiguë du nourrisson. Sem. hôp. Paris, 1930, 6: 176-80.—**La radiologie dans l'invagination intestinale du nourrisson et de l'enfant.** Clinique, Par., 1933, 28: 130-34.—**Fox, H. H.** Intussusception; diagnosis and value of early operation. South. M. J., 1930, 23: 509-13.—**Gallie, W. E.** Some pitfalls in the diagnosis of intussusception. Tr. Canad. Soc. Stud. Dis. Child., 1926, 4: 111-8. Also Canad. M. Ass. J., 1927, 17: 72-4.—**Gorodinsky, D. M.** [Diagnosis and treatment of invagination of the intestine] Nov. khir. arkh., 1937, 38: 194-8.—**Greenwood, A.** Diagnosis of intussusception. Brit. M. J., 1935, 2: 137.—**Haenisch.** Zur Röntgendiagnose der Invagination. Verh. Deut. Röntg., 1929, 20: 76.—**Harren-stein, R. J.** [Diagnosis and treatment of intussusception] Ned. tsehr. geneesk., 1930, 74: pt 1, 1752-61.—**Hinstorff, D.** Röntgendiagnostik der Darminvaginationen im Säuglingsalter durch Kontrasteinlauf. Röntgenpraxis, 1932, 4: 152-7.—**Hower, C. M.** Intussusception (case radiography) Radiogr. Clin. Photogr., 1942, 18: 45.—**Jacoby, P.** [Roentgen examina-tion of intestinal invagination in children and the possibility of bloodless reposition by Roentgen treatment] Hospitalsti-dende, 1935, 78: [Med. selsk. Fyens forh.] 17-29.—**[Intestinal invagination in children from the radiological point of view]** Ibid., 1936, 79: [Dansk radiol. selsk. forh.] 2.—**Kirsner, J. B., & Miller, J. F.** The roentgen diagnosis of in-tussusception. Radiology, 1938, 31: 658-69.—**El roentgenodiagnóstico de la invaginación.** Rev. radiol. fisioter., Chic., 1941, 8: 1-10.—**Lachapèle, A. P., Laumonier, & Lacoste, G.** Valeur du radiodiagnostic dans l'invagination intestinale aiguë de l'enfant. Arch. électr. méd., 1938, 46: 143-50.—**Lenarduzzi, G.** Su di un caso di invaginazione intestinale diagnosticata con l'esame radiologico. Gior. med. Alto Adige, 1929, 1: No. 5, 41-6.—**McEachern, J. D.** Acute intussuscep-tion in children; diagnosis and treatment. Manitoba M. Ass. Rev., 1934, 14: No. 4, 3.—**Mascheroni, H. A., Reussi, C.** [et al.] La imagen radiológica en la invaginación intestinal crónica; estudio de un caso con comprobación necrópsica. Dña méd., B. Air., 1941, 13: 1102-4.—**Meda, G.** Studio radiologico dell'invaginazione intestinale. Radiol. med., Milano, 1929, 16: 821-40.—**Moschetta, G.** Contributo allo studio radiologico dell'invaginazione intestinale. Ibid., 1932, 19: 968.—**Mou-longuet, P.** A propos de la communication de M. Pouliquen sur la radiologie de l'invagination intestinale des nourrissons. Bull. Soc. nat. chir., Par., 1931, 57: 688.—**Nasso, I.** La diag-nosi e la cura dell'invaginazione intestinale del lattante. Athena, Roma, 1937, 6: 265.—**Peroni, P.** Sulla semiologia dell'invaginazione intestinale nei bambini. Gazz. osp., 1928, 49: 1439-49.—**Pfeiffer, C.** Zur Diagnose und Behandlung der Darminvagination. Münch. med. Wschr., 1932, 79: 1638.—**Pouliquen.** Diagnostic et traitement de l'invagination intes-tinale. Médecine, Par., 1927-28, 9: 47-52.—**Povlsen, O.** [Intestinal invagination; observations on the relation between the clinical-roentgenological findings and treatment] Hospi-talstidende, 1938, 81: 481-92.—**Reiser, E., & Gurniak, H.** Ueber Darminvaginationen. Fortsch. Röntgenstrahl., 1927, 36: 359-66.—**Rossi, V.** L'indagine radiologica nella invagina-zione intestinale acuta della prima infanzia. Clin. pediat., Mod., 1931, 13: 685-703, pl.—**Schwartz, J. E.** [Significance of the Roentgen enema as diagnostic and therapeutic methods in cases of invagination] Khirurgia, Moskva, 1938, No. 11, 185-8, pl.—**Schwarzenberg, O.** Ein praktisches Hilfsmittel zur Diagnose der Invagination. Kinderärztl. Prax., 1931, 2: 281.—**Shannon, W. R.** Early diagnosis of intussusception in children. Minnesota M., 1928, 11: 221-6.—**Sigmund, A.** [Rôle of roentgenology in diagnosis and treatment of intestinal invaginations] Cas. lék. česk., 1933, 72: 8-13, 11 pl.—**Silva, A.** Sobre el diagnóstico precoz de la invaginación intestinal en el lactante. Crón. méd. quir. Habana, 1939, 65: 1239-52.—**Stephens, V. R.** Acute intussusception without pain. J. Am. M. Ass., 1927, 88: 475.—**Sussman, M. L.** The roentgenologic aspect of subacute and chronic intestinal intussusception. Am. J. Roentg., 1932, 27: 373-82.—**Tailhefer, A.** Quelques notes pratiques sur le diagnostic de l'invagination intestinale aiguë du nourrisson. Vie méd., 1926, 7: 2469.—**Thomsen, E.** [Roentgendiagnosis in intestinal invagination] Bibl. læger, 1932, 124: 202-15.—**Vickers, W.** Diagnosis of intussusception. Med. J. Australia, 1926, 2: 206-9.—**Williams, E. R.** Intus-susception; a radiological study. Brit. J. Radiol., 1940, 13: 51-70.—**Williamson, B.** Diagnosis of intussusception before blood and mucus appear in stools. Brit. M. J., 1940, 2: 320.—**Zverev, A. I.** [Errors in diagnosis and therapy of intestinal invagination] Vest. khir., 1939, 58: 234-40.

Intussusception: Pathogenesis and path-ology.

See also subheadings (Helminthosis; Polyposis; Tumor)

AUFAURE, J. *Contribution à l'étude patho-génique des invaginations intestinales à l'exclu-sion de celles du nourrisson. 89p. 24½cm. Toulouse, 1937.

BRINGMANN, E. *Ein Fall von retrograder Invagination nach Billroth II. 23p. 20½cm. Bonn, 1937.

HAENEL, J. *Ein Beitrag zur Kenntnis der Darminvagination im Kindesalter [Berlin] 31p. 8°. Charlottenb., 1927.

PICQON, R. *Contribution à l'étude de l'invagination intestinale aiguë chez l'enfant. 115p. 8°. Par., 1935.

SCHMIDT, H. *Ein Beitrag zur Entstehung und Behandlung der Darminvaginationen mit besonderer Berücksichtigung der Darminvaginationen im Kindesalter. 27p. 8°. Jena, 1927.

STOERZBACH, O. *Der Mechanismus der Darminvaginationen. 24p. 8°. Berl., 1933.

Agostini de Muñoz, A. Espasmodia e invaginación intestinal. Sem. méd., B. Air., 1935, 42: pt 1, 1078-81.—Apley, A. G. Intussusception due to sarcoma. Lancet, Lond., 1939, 2: 314.—Assien Tahar, S. [Intestinal invagination and typhoid] Geneesk. tscr. Ned. Indië, 1940, 80: 624.—Avent, C. H. Acute intussusception of childhood; its relation to mesenteric lymphadenitis. South. Surgeon, 1942, 11: 555-9.—Bergeret. A propos de l'invagination intestinale chez l'adulte. Mém. Acad. chir., Par., 1938, 64: 372-5.—Bienenstein, E. Beobachtung einer eigenartigen Schlinge bei Invagination. Wien. med. Wschr., 1940, 90: 661.—Bohème, P., & Reny, P. Contribution à l'étude des invaginations d'origine appendiculaire. Rev. chir., Par., 1929, 67: 287-303.—Borchard, A. Zum Mechanismus der Darminvagination. Zbl. Chir., 1936, 63: 850-3.—Cooper, H. G. N. Intussusception in an adult due to a lipoma. Brit. M. J., 1939, 1: 328.—Couvélair, R., & Bret, J. Sur le mécanisme de production d'une invagination intestinale aiguë chez l'adolescent. Arch. mal. app. digest., Par., 1939, 29: 97-100.—Cuculli, A. C., & Vergnolle, M. J. Invaginación intestinal por pólipos. Sem. méd., B. Air., 1927, 34: pt 2, 20-5.—D'Anella & Tourenc. Invagination intestinale aiguë, provoquée par un lipome sous-muqueux du caecum. Mém. Acad. chir., Par., 1937, 63: 1326.—Dieterichs, M. M. [Mechanism of invagination of the intestines] Kuban. nauch. med. J., 1928, 7: 37-42.—Dubois-Roquebert. Double invagination intestinale péristaltique et antipéristaltique. Mém. Acad. chir., Par., 1940, 66: 406-8.—Fancelli, N. G. Contributo clinico ed istologico alle invaginazioni intestinali sub-acute e croniche. Osp. maggiore, Milano, 1935, 23: 355-63.—Fisanovich, A. L. [The mechanism of invagination] Pediatría, Moskva, 1938, No. 11, 113-6.—Fiske, F. A. Intussusception due to intestinal tumors. Ann. Surg., 1937, 106: 221-9.—Flemming, C. Retrograde intussusception. Lancet, Lond., 1937, 2: 1136.—Gridnev, A. Beitrag zur Kenntnis der Darminvagination. Arch. klin. Chir., 1932, 169: 107-12.—Gunter, J. U., & Trout, H. H. Intussusception complicating tuberculous enteritis; report of a case. Virginia M. Month., 1941, 68: 213.—Hederstad, G. C. Invagination vid tunn- och tjocktarmstumor. Nord. med., 1941, 9: 616-8.—Heinonen, J. [A case of intestinal invagination caused by a submucous intestinal lipoma] Fin. läk. säll. hand., 1926, 68: 23-37.—Hoque, A. K. M. Intussusception caused by amoebic dysentery. Ind. M. Gaz., 1942, 77: 95.—Horsley, J. S. Intussusception due to intestinal lipoma in an adult followed by gangrene in the abdominal wall; plastic operation for repair of abdominal wall. Tr. South. Surg. Ass., 1928, 41: 276-82, 8 pl. Also Arch. Surg., 1929, 18: 882-91, pl.—Huber, J., Lièvre, J. A., & Nérat. Purpura abdominal et invagination intestinale. Bull. Soc. pédiat. Paris, 1939, 37: 427-36.—Intussusception in infancy and early childhood. South. M. & S., 1943, 105: 32.—Kander, H. S. Multiple intussusceptions caused by secondary melanomata. Lancet, Lond., 1938, 2: 139.—Kiparisov, N. S. [On the significance of chronic enterocolitis in the pathogenesis of intestinal invagination] Vrach. delo, 1939, 21: 165.—Kirsch, O. Invagination und Spasmodie. Erg. inn. Med. Kinderh., 1934, 47: 226-74.—Knoepp, L. F. Aseptic lumbricoides as a cause of acute intestinal obstruction and intussusception; report of a case. Pennsylvania M. J., 1933, 37: 29.—Lamb, E. J. Intussusception due to papilloma in a child of 21 months. Am. J. Dis. Child., 1928, 36: 1017-9.—Laurell, H. Warum bekommen Knaben häufiger Darminvagination als Mädchen? Upsala läk. fören. förh., 1932-33, n. f., 38: art. 12, 1-10.—Laverne & Guillemin, A. Invagination intestinale et purpura. Rev. méd. est., 1927, 55: 1-4.—Lenarduzzi, G. Contributo della radiologia al riconoscimento delle cause dell'invaginazione intestinale. Riv. radiol., 1932-33, 7: 317-33.—Leveuf, J. Les formes hémorragiques de l'invagination intestinale. Sem. hôp. Paris, 1928, 4: 581.—Lundberg, S. On the origin of intussusception. Acta chir. scand., 1928, 63: 1-12.—MacDermott, E. N. Intussusception in the adult due to tumours; a note on 5 cases. Brit. M. J., 1935, 1: 1214-6, pl.—Martin, T. E., & Love, C. Traumatic intussusception; case report. South. M. J., 1939, 32: 1124.—Maycock, W. d'A. Intestinal strangulation; the depressor properties of the peritoneal transudate in intestinal strangulation. Brit. J. Surg., 1937-38, 25: 677-96.—Medinavictia, J. Invaginaciones del cuadrante inferior derecho. Arch. med., Madrid, 1931, 34: 253-7.—Obadalek, W. Darminstülpung und intraperitonealer Druck im Kindesalter. Beitr. klin. Chir., 1934, 159: 160-9.—Odasso, A. Studi e ricerche sulla patogenesi dell'invaginazione intestinale. Arch. ital. chir., 1938, 53: 300-20.—Opitz, H. Ruhr (Enteritis)-invagination. Kinderärztl. Prax., 1939, 10: 406.—Pellegrini, A. Invaginazione dell'intestino consecutiva a gastro-entero-

stomia. Scritti in onore E. Burci, Nap., 1930, 9: 403-43.—Piersanti, A. Contributo clinico e anatomo-patologico alla invaginazione intestinale. Arch. Soc. ital. chir., 1929, 35: 1000-3.—Poston, R. I. Acute enteric intussusception in an adult caused by a lipoma with a survey of the literature. Brit. J. Surg., 1934, 22: 108-14.—Powles, C. P. Intussusception following partial gastrectomy; report of a case. N. Zealand M. J., 1939, 38: 401.—Puente, J. N., & Mathie, R. Las invaginaciones agónicas en los niños. Sem. méd., B. Air., 1926, 33: pt 1, 571-5.—Rebec, I. [Fetany and invagination of the intestinal tract] Liječ. vjes., 1940, 62: 447-9.—Ross, K. Intussusception due to secondary melanoma-carcinoma. J. Coll. Surgeons Australasia, 1930, 3: 283-6.—Ruff, E. Beobachtungen über Darminvaginationen im Kindesalter. Deut. Zschr. Chir., 1928, 208: 236-62.—Schauser, W. Darminvaginosen als Ursache der Invagination. Zschr. Fleisch Milchlhyg., 1938-39, 49: 409.—Schwartzman, J. Henoch's purpura with intussusception. Arch. Pediat., N. Y., 1940, 57: 389-94.—Sklianik, V. S. [Pathogenesis and etiology of intestinal invagination] Khirurgia, Moskva, 1937, No. 6, 118.—Smyth, M. Intussusception caused by malignant growth. Proc. R. Soc. M., Lond., 1938-39, 32: Sect. Surg. Proct., 905-7.—Thompson, J. H., & Posel, M. M. A case of intussusception in acute lymphatic leukaemia. Lancet, Lond., 1930, 1: 1180.—Tokui, S. Experimentelle und klinische Beiträge zum Studium der Darminvagination; über den Entstehungsmechanismus der Invagination aus der Anastomosenstelle bei verschiedenen Arten von Anastomosen; Anhang: über die Entstehung der Ileo-coecalinvagination. Acta med. nagasaki., 1939, 1: Suppl., 33.—Vernejoul, R. de. L'invagination intestinale aiguë dans la première enfance. Marseille méd., 1927, 64: 56-60.—Vollay, B. Die Rolle der Entwicklungsstörungen im Zustandekommen der Invagination. Münch. med. Wschr., 1931, 88: 894 (Abstr.) (microfilm)—Watts, J. W., & Fulton, J. F. Intussusception; the relation of the cerebral cortex to intestinal motility in the monkey. N. England J. M., 1934, 210: 883-96.

Intussusception, recurrent.

KRAMER, K. W. *Beitrag zur Kasuistik des Rezidives der operativ behandelten Darminvagination. 10p. 8°. Kiel, 1932.

Cibils Aguirre, R., & Azcoaga, M. Invaginación intestinal recidivante, con 3 intervenciones, en un niño de 3 años. Sem. méd., B. Air., 1933, 40: pt 2, 299-303.—Coldrey, E. Recurrent intussusception. Brit. M. J., 1939, 1: 110.—Fraser, I. Recurrent intussusception in a young child. Lancet, Lond., 1939, 1: 874.—Killins, J. A., & Clagett, O. T. Recurrent intussusception among infants; report of a case. Proc. Mayo Clin., 1941, 16: 529-31.—Martin, A. Récidives d'invagination intestinale. Bull. Soc. pédiat. Paris, 1932, 30: 641-4.—Mastin, E. V. Multiple attacks of acute intussusception. Am. J. Surg., 1942, 58: 300.—Oughterson, A. W., & Cheever, D. Recurring intussusception caused by intestinal neoplasms, requiring multiple operations for its relief. Surg. Gyn. Obst., 1929, 48: 682-6.—Pybus, F. C. Recurrent chronic intussusception associated with intestinal polypus. Newcastle M. J., 1921-22, 2: 37.—Reisinger, M. Ueber akute und subakute Darminvaginationen und ihre durch vererbte Polyposis intestini bedingten Rezidive. Deut. Zschr. Chir., 1930, 227: 255-71.—Rüben, F. Ueber eine einfache Methode zur Verhinderung der postoperativen Reinvagination beim Invaginationsileus. Zbl. Chir., 1937, 64: 526.—Shimanovich, S. V. [Case of chronic relapsing invagination] Khirurgia, Moskva, 1938, No. 5, 138.—Sourdut. Invagination intestinale itérative. Méd. inf., Par., 1939, 46: 374-7. J. méd. Paris, 1940, 60: 132.—Thordike, A. jr. Acute recurrent intussusception in children. N. England J. M., 1932, 207: 649.—Wash, M. G., & Epstein, B. S. Chronic recurrent intestinal intussusception. Radiology, 1939, 33: 316-24.—Weber. Trois invaginations intestinales successives en sept mois chez un adulte. Bull. Soc. chir. Paris, 1938, 30: 347-51.—Zeigler, R. F., jr. Acute intussusception with intermittent spontaneous reduction and recurrence. J. S. Carolina M. Ass., 1939, 35: 217-9.

Intussusception: Surgery.

ANDRIEU, C. *Traitement chirurgical actuel de l'invagination intestinale aiguë du nourrisson. 58p. 8°. Par., 1930.

JOHNEN, K. *Zur operativen Behandlung des Invaginationsileus beim Erwachsenen. 17p. 8°. Freib. i. B., 1931.

MICHEL, R. *Contribution à l'étude du traitement chirurgical de l'invagination intestinale; extériorisation de l'appendice; trois observations. 53p. 25cm. Montpel., 1934.

Aird, I. Acute intussusception in infancy treated by resection of bowel. Edinburgh M. J., 1938, 45: Suppl., Tr. Med. Chir. Soc. Edinburgh, 182.—Allende, C. Invaginación intestinal en el adulto. Bol. Soc. cir. B. Aires, 1928, 12: 217-21.—Anschütz, W. Ueber die operative Behandlung der Invaginationen im frühen Kindesalter. Zbl. Chir., 1927, 54: 3150-9.—Bailey, H. Spinal anaesthesia in intussusception of infants. Lancet, Lond., 1926, 2: 648.—Belot & Espieux. Invagination intestinale opérée après échec de lavement baryté;

- récidive. Arch. méd. pharm. nav., 1932, 122: 115.—**Berg, N. E.** [Invagination of the intestine in children] Vest. khir., 1938, 56: 627-30.—**Billet, H., & Gogillon, L.** Deux cas d'invagination intestinale: diagnostic et opération précoces; guérison. J. sc. méd. Lille, 1925, 43: pt 2, 85-92.—**Binotto, A.** Esiti lontani della fissazione nel trattamento dell'invaginazione intestinale. Arch. ital. mal. app. diger., 1939, 8: 439-47.
- Bloch, R.** Le traitement opératoire de l'invagination intestinale aiguë du nourrisson. Rev. chir., Par., 1932, 70: 675-9.—**Briggs, C. D.** Intussusception; suggestions for operative procedures. Med. Ann. District of Columbia, 1937, 6: 241-4.—**Briones, R.** Un caso de invaginación intestinal en un adulto. Bol. Soc. cir. Chile, 1927, 5: 138-40.—**Burch, G. H.** Intussusception in children and an operation to replace resection in late cases. J. S. Carolina M. Ass., 1926, 22: 61-3.—**Bunne, F.** Zur Darminvagination im frühen Kindesalter. Zbl. Chir., 1939, 66: 1508-13.—**Cahuzac.** La fixation appendiculaire du caecum dans le traitement de l'invagination intestinale aiguë du nourrisson. Gaz. hôp., 1936, 109: 1221-4.—**Capelle, W.** Vorschlag einer einfachen und radikalen Operationsmethode bei Darminvagination. Deut. Zschr. Chir., 1934, 243: 745-8.—**Cave, H. W.** Intussusception. Am. J. Surg., 1928, n. ser., 5: 409.—**Deherripon, H.** Invagination intestinale aiguë chez un nourrisson de 11 mois; intervention; guérison. J. sc. méd. Lille, 1920, 38: pt 1, 313.—**De la Marnière.** Traitement de l'invagination intestinale aiguë du nourrisson. Techn. chir., Par., 1933, 25: 167-72.—**Delore, X., & Gardier, J. de.** Au sujet du traitement de l'invagination intestinale chez l'adulte; de la résection du boudin à travers la gaine. J. chir., Par., 1930, 35: 641-55.—**Fèvre, M.** Réflexions sur l'invagination intestinale de nourrisson; quatorze cas opérés, une mort. Bull. Soc. pédiat. Paris, 1929, 27: 398-405.—**Intervention par voie sus-ombilicale et soins postopératoires dans l'invagination intestinale dite du nourrisson.** J. chir., Par., 1929, 33: 179-93.—**Forty, F.** Enteric intussusception treated by resection. Lancet, Lond., 1940, 1: 72.—**Fruchaud, H.** A propos de l'invagination intestinale des nourrissons. Bull. Soc. nat. chir., Par., 1933, 59: 214-8.—**Comment envisager actuellement le traitement de l'invagination intestinale des nourrissons.** Techn. chir., Par., 1933, 25: 153-60.—**Gibbon, J. W.** Acute intussusception in infants; based on twenty-five operated cases. South. M. & S., 1926, 88: 429-33.—**Greene, E.** Invaginac ón intestinal aguda en un niño de cinco años. Bol. Soc. cir. Chile, 1927, 5: 140-3.—**Harmon, S. E.** Surgical phase of intestinal intussusception in infancy and childhood. J. S. Carolina M. Ass., 1926, 22: 107-9.—**Hartshorn, W. E.** Intussusception. Ty. N. England Surg. Soc., 1928, 10: 108-21.—**Hinton, J. W.** Acute primary intussusception in the adult. Ann. Surg., 1926, 84: 100-3.—**Hipsley, P. L.** The treatment of intussusception. Surgery, 1937, 1: 825-37.—**Holmbaum, J.** Zur Operation des Invaginationileus. Zbl. Chir., 1926, 53: 450.—**Ireland, J.** Treatment of intussusception. Arch. Surg., 1941, 43: 418-21.—**Jones, T. E.** Acute and chronic intussusception. Surg. Clin. N. America, 1936, 16: 991-6.—**König-berg, K. J.** [Invagination of the intestine in adults] Vest. khir., 1938, 56: 503-11.—**Koster, H.** Intussusception. Am. J. Surg., 1933, 22: 465-75.—**Kraft, L.** [Surgical treatment of invagination in children] Hospitals-tidende, 1926, 69: [Forh. Med. Selsk. Københ.] 75-97.—**Kufferath, W.** Zur Frage der operativen Behandlung der Invagination im Säuglingsalter bei schwerer Schädigung des Darmes. Med. Klin., Berl., 1939, 35: 386.—**Ladd, W. E., & Gross, R. E.** Intussusception. In their Abdom. Surg. Infancy, Phila., 1941, 105-26.—**Lamon, O. F.** Intussusception; surgical treatment in reducible cases. Surg. Gyn. Obst., 1932, 54: 564.—**Lapidus, R. I.** [Technique of operation for invagination caused by helminthiasis] Khirurgia, Moskva, 1937, No. 6: 120-2.—**Laycock, H. T.** Irreducible intussusception in a baby treated by resection; recovery. Brit. M. J., 1941, 1: 120, pl.—**Maisto, A. J.** Consideraciones sobre el tratamiento quirúrgico de la invaginación intestinal irreducible; a propósito de un enfermo curado con exteriorización y ano in situ. Bol. Soc. cir. B. Aires, 1932, 16: 1180-90. Also Sem. méd. B. Air., 1933, 40: pt 1, 932-9. Also Prensa méd. argent., 1933-34, 20: 931-41.—**Martin, A.** Invagination intestinale des nourrissons. J. méd. chir., Par., 1936, 107: 153-61.—**Mayo, C. W., & Woodruff, R.** Acute intussusception. Arch. Surg., 1941, 43: 583-7.—**Melchior, E.** Zur Behandlung der akuten Darminvagination im Kindesalter. Zbl. Chir., 1929, 56: 258-66.—**Michel, A.** Invagination intestinale aiguë chez un nourrisson; opération; accidents très graves d'intoxication guéris par absorption de chlorure de sodium en solution hypertonique. Bull. Soc. nat. chir., Par., 1928, 54: 1415-20.—**Minkin, S. L.** [Acute intestinal invagination in children] Nov. khir. arkh., 1937, 38: 190-4.—**Montgomery, A. H.** Intussusception. Surg. Clin. N. America, 1928, 8: 679-83; 1933, 13: 117-25.—**Mussil, J. J.** The treatment of irreducible intussusceptions in children. Surg. Gyn. Obst., 1930, 51: 415-9.—**Moskalenko, A. N.** [Problem of intestinal invagination] Vest. khir., 1929, 17: 36-8.—**Newton, A. H.** Intestinal intussusception in an infant; operation, with recovery. California West. M., 1938, 49: 213.—**Obadalek, W.** Ein Beitrag zum Invaginationproblem im Kindesalter. Beitr. klin. Chir., 1929, 146: 668-707.—**Obst, E.** Ueber die Darminvagination und ihre Probleme. Erg. Chir. Orthop., 1937, 30: 372-46.—**Redon, H., & Soubrane.** Invagination intestinale aiguë chez un adulte; entérectomie de 240. Mém. Acad. chir., Par., 1936, 62: 732.—**Robbins, F. R.** Acute intussusception with special reference to treatment by resection of the bowel; observations on thirty-four cases admitted to the Children's Hospital in Philadelphia. Ann. Surg., 1932, 95: 830-9.—**Schmidt, L.** Enteronastomose bei Invaginationileus. Zbl. Chir., 1928, 55: 3078-82.—**Sneider, S. L.** [Extensive excision, of the intestine in invagination] Tr. Novosibir. gosud. inst. usoversh. vrach., 1936, 6: 196-201, pl.—**Stones, R. Y.** Case of intussusception in an adult; operation; recovery. East Afr. M. J., 1936-37, 13: 18.—**Suermondt, W. F.** Die chirurgische Behandlung der Invagination kleiner Kinder. Deut. Zschr. Chir., 1926, 198: 172-84.—**[Surgical treatment of invagination in young children]** Ned. tschr. genesesk., 1926, 70: pt 1, 152-34.—**Teilmann, F.** Intussusception in children. Acta chir. scand., 1936, 78: 258.—**Telkachev, M. L.** [On invagination of the intestine] Khirurgia, Moskva, 1938, No. 11, 171-9.—**Vellacott, H. F.** Intussusception in a baby, treated by resection; recovery. Brit. M. J., 1942, 1: 72.—**Villette, J., & Corrette, H.** Invagination intestinale aiguë; un cas d'invagination grave guérie par l'opération rapide chez un nourrisson. J. sc. méd. Lille, 1927, 45: pt 2, 37-41.—**Webb, G., & Sheinfeld, W.** Intussusception in the adult. Am. J. Surg., 1938, 41: 315-9.—**Woodhall, B.** Modified double enterostomy, Mikulicz, in radical surgical treatment of intussusception in children. Arch. Surg., 1938, 36: 989-97.—**Woolf, A. E. M.** Resected intussusceptum. Tr. M. Soc. London, 1939, 62: 102.

Intussusception: Treatment.

- BALLOU, P.** *Contribution à l'étude du traitement de l'invagination intestinale de la première enfance et spécialement du nourrisson [Paris] 63p. 8°. Angers, 1929.
- CHANA, S.** *Sur le traitement de l'invagination intestinale aiguë du nourrisson. 52p. 8°. Par., 1933.
- MOURGUES, R.** *Le traitement de l'invagination intestinale aiguë de l'enfant par le lavement opaque. 49p. 8°. Lyon, 1937.
- POULIQUEN, E. F.** *Contribution à l'étude du traitement de l'invagination intestinale aiguë du nourrisson. 82p. 8°. Par., 1934.
- SCIUK, J.** *Die Invagination und ihre Therapie. 33p. 8°. Bresl., 1936.
- Allaines, G. d'.** Le traitement de l'invagination intestinale aiguë par le lavement sous pression. Rev. crit. path., Par., 1931, 2: 201-8.—**Anschütz.** Die Behandlung der Invagination im frühen Kindesalter. Klin. Wschr., 1928, 7: 1300. Also Münch. med. Wschr., 1928, 75: 110.—**Armigeat, J.** Un point de vue de la thérapeutique de l'invagination intestinale aiguë du nourrisson; le lavement baryté sous contrôle radioscopique. Sem. hôp. Paris, 1931, 7: 118-22.—**Arntzen, L., & Helsted, A.** Reduction under fluoroscopy of acute intussusception in children. Acta radiol., Stockh., 1928, 9: 592-9.—**Deshu-** invagination unter Röntgendurchleuchtung bei akuter Darminvagination im Kindesalter. Acta chir. scand., 1929, 65: 69-76, 2 pl.—**Bagot.** Traitement de l'invagination intestinale chez le nourrisson et l'enfant. Rev. gén. clin. théor., 1927, 41: 311.—**Barnsby, Duclletier, & Foucault.** Invagination intestinale aiguë du nourrisson; échec du lavement baryté; intervention; guérison. Rev. méd. centre ouest, 1931, 3: 19-22.—**Bertone, C.** Sulla terapia dell'invaginamento. Riforma med., 1935, 51: 71-4.—**Bianchi, G.** Il clima opaco nella terapia dell'invaginazione intestinale acuta del lattante. Riv. clin. pediat., 1937, 35: 788-805.—**Bienvenue, Pouliquen, & Gouin.** Un cas d'invagination intestinale chez le nourrisson (tentative de réduction sous écran) Bull. Soc. rad. méd. France, 1926, 14: 191.—**Bonomini, B.** Osservazioni sulla riduzione incruenta delle invaginazioni intestinali durante l'indagine radiologica. Arch. ital. mal. app. diger., 1938, 7: 333-417.—**Bouy-la, J.** A propos du traitement de l'invagination intestinale aiguë du nourrisson. Méd. inf., Par., 1935, 42: 55.—**Brandberg, R.** Ueber Reposition von Darminvaginationen mittels Kontrastlavement unter Röntgendurchleuchtung. Acta chir. scand., 1931-32, 69: 163-72.—**Brunet, P.** Invagination intestinale; réduction manuelle; guérison. Rev. méd. Suisse rom., 1936, 56: 762.—**Cadenat, F. M., & Dufour, A.** Traitement de l'invagination intestinale aiguë du nourrisson. Hôpital, 1935, 23: 153.—**Comolli, A.** Cura incruenta col clistere di bario nell'invaginazione intestinale e nella patogenesi di questa. Clin. chir., Milano, 1930, 33: 76-82.—**Cope, V. Z.** The treatment of intussusception in infants. Med. Press & Circ., Lond., 1942, 208: 151.—**Curbelo Uroz, J. R.** Contribución al estudio del tratamiento de la invaginación intestinal aguda del niño. Arch. pediat. Uruguay, 1938, 9: 87-98.—**Czyzewski, K.** [Spontaneous cure in a case of intestinal invagination] Polska gaz. lek., 1932, 11: 655-5.—**Del Campo R. M., Bazzano, H. C., & Rodríguez Zanessi, F.** El enema baritado como tratamiento en la invaginación intestinal del lactante. Arch. pediat. Uruguay, 1936, 7: 129; 149-59.—**Dulitsky, S. O.** [Treatment of invagination of the intestines in nursing infants] Sovet. pediat., 1935, No. 4, 93-100.—**Edberg, E.** Treatment of acute intussusception in children. J. Am. M. Ass., 1942, 120: 1166 (Abstr.)—**Ferey, D.** Le lavement baryté sous contrôle des rayons X; premier temps du diagnostic de localisation et du traitement de l'invagination intestinale aiguë du nourrisson.

Bull. méd., Par., 1936, 50: 607. Also Bull. Soc. radiol. méd. France, 1936, 24: 767-9.—**Ferru**, Le traitement médical de l'invagination intestinale aiguë du nourrisson. Rev. méd. centre ouest, 1929, 58: 74. — Comment préciser la valeur du lavement sous écran dans l'invagination intestinale aiguë du nourrisson. Gaz. hôp., 1933, 106: 1597-602.

Ducellier & Gabette, Un cas particulier d'invagination intestinale aiguë du nourrisson réduite par le lavement baryté. Bull. Soc. pédiat. Paris, 1933, 31: 515-21.—**Finkelstein, L.** Zur Therapie der Invagination im Säuglingsalter. Deut. med. Wschr., 1927, 53: 1143.—**Foucault, P.** Invagination intestinale du nourrisson; lavement baryté, intervention, sérum salé hypertonique; guérison. Bull. Soc. nat. chir., Par., 1929, 55: 298-303.—**Fruchaud, H., & Audureau, J., fils.** Nouvelle statistique d'invagination intestinales du nourrisson; avantages du lavement baryté pour le diagnostic des formes anormales de l'invagination intestinale aiguë du nourrisson. Mém. Acad. chir., Par., 1930, 62: 651-4.—**Fruchaud, H., & Peignaux.** Remarques sur le traitement de l'invagination intestinale aiguë des nourrissons. Arch. méd. Angers, 1928, 32: 49-58.

Du traitement de l'invagination intestinale aiguë des nourrissons par le lavement sous pression. Gaz. méd. France, 1929, 3: 687-95. — De l'utilisation du lavement opaque donné sous le contrôle des rayons X dans le traitement de l'invagination intestinale aiguë des nourrissons. Bull. méd., Par., 1930, 44: 10-2. — Six cas d'invagination intestinale aiguë des nourrissons traités par lavement baryté sous le contrôle des rayons X; 4 interventions supplémentaires, 6 guérisons. Bull. Soc. nat. chir., Par., 1931, 57: 95-124.—

Goldman, L., & Elman, R. Spontaneous reduction of acute intussusception in children; its incidence and significance in the diagnosis and treatment of recurrent intussusception. Am. J. Surg., 1940, 49: 259-63.—**Grønn, R.** [Spontaneous recovery from intestinal invagination.] Norsk. mag. lægevid., 1931, 92: 261-8.—**Güllichsen, R.** [Treatment of intestinal invagination by barium enema; roentgen control.] Fin. lak. säll. hand., 1934, 76: 927-31.—**Herzfeld, G.** Treatment of acute intussusception in infants. Lancet, Lond., 1926, 2: 767. Also Med. Woman J., 1928, 35: 6-8.—**Hindmarsh, J.** The treatment of acute intestinal invagination in children. Acta chir. scand., 1940, 84: 250. — **Aberg, S.** Zur Frage der Behandlung der Darminvaginationen im Kindesalter. Acta paediat., Ups., 1939, 25: 139-48.—**Hipley, P. L.** Intussusception and its treatment by hydrostatic pressure; based on analysis of 100 consecutive cases so treated. Med. J. Australia, 1926, 2: 201-6.—**Huntington, E. D., & Williams, R. E.** Fluoroscopically controlled enema reduction of intussusception. J. Pediat., S. Louis, 1934, 5: 819-22.—**Ireland, J.** The treatment of intussusception. Tr. West. Surg. Ass. (1940) 1941, 50: 464-77.—**Juillard, E.** Contribution au traitement de l'invagination intestinale. Rev. méd. Suisse rom., 1942, 62: 495-510, 12 pl.—

Kleinschmidt, H. Die Behandlung der Darminvagination im Kindesalter. Med. Klin., Berl., 1930, 26: 498-500.—**Königsberg, K. I.** [Invagination of the intestine; material from the Institute of First Aid.] Khirurgia, Moskva, 1937, No. 6, 100-10.—**Lamarque, P., & Bétoulères, P.** Le lavement baryté dans l'invagination intestinale du nourrisson. Bull. Soc. radiol. méd. France, 1937, 25: 53-64. — Un nouveau cas d'invagination intestinale du nourrisson réduite par le lavement baryté. Bull. Soc. électroradiol. méd. France, 1939, 27: 681.—**Latreille.** Six observations d'invagination intestinale aiguë du nourrisson traitées par lavement baryté associé ou non à l'intervention. Lyon chir., 1937, 34: 611-5.—**Le Cam.** Du traitement de l'invagination intestinale chez le nourrisson. Gaz. méd., 1927, 607-11.—**Leclerc, G.** Traitement de l'invagination intestinale aiguë chez l'adulte. Presse méd., 1929, 37: 324.—**Lefrançois, C.** Le lavement baryté dans l'invagination intestinale du nourrisson. Union méd. Canada, 1931, 60: 453-9.—**Mathieu, P.** Utilisation du lavement baryté comme manœuvre préopératoire dans le traitement des invaginations intestinales aiguës étendues. Bull. Soc. nat. chir., Par., 1929, 55: 680.—**Meltzer, H.** Zur Frage der Behandlung der Darminvagination beim Erwachsenen und beim Säugling. Klin. Wschr., 1932, 11: 554-6.—**Munck Nordentoft, J.** The conservative treatment, with barium enema, of intussusception in children. Acta radiol., Stockh., 1930, 20: 128-36. — [Treatment of invagination with roentgen control; report of 10 cases in children] Nord. med., 1939, 1: 282-9. — [Treatment of invagination under roentgen control] Ibid., 483.—**Nebout, Dechambre, E., & Dechambre, S.** Un cas d'invagination intestinale réduite par lavement baryté. Bull. Soc. électroradiol. méd. France, 1938, 26: 377-9.—**Nichols, H. G.** Intussusception in adults; a consideration of therapeutic measures and a case report. Surg. Gyn. Obst., 1941, 73: 832-7.—**Nordentoft, J.** Sur l'examen radiologique et la désinvagination conservatrice non-chirurgicale de l'invagination aiguë des enfants sous le contrôle des rayons Roentgen. Acta chir. scand., 1928-29, 64: 519-26, 7 pl. Also Ugeskr. læger, 1929, 91: 127-33. Also J. radiol. électr., 1930, 14: 369-79.—**Olsson, I., & Pallin, G.** Ueber das Bild der akuten Darminvagination bei Röntgenuntersuchung und über Desinvagination mit Hilfe von Kontrastlavements. Acta chir. scand., 1926-27, 61: 371-83, 2 pl.—**Orfila, J. A., Barbuzza, J., & Notti, H. J.** Comentarios sobre el tratamiento de la invaginación por enema bajo control radiológico. Rev. radiol. fisioter., Chic., 1938, 5: 80-97. Also Sem. méd., B. Air., 1938, 45: pt. 1, 1333-49.—**Ottobri Costa, M., & Archer de Camargo Andrade, A.** Invaginación intestinal aguda na criança; problema medico-cirurgico. Pediat. prat., S. Paulo, 1939, 10: 381-99.—**Ottobri Costa, M., & Mancini, N.** Invaginación

intestinal aguda no lactente; enema baritado. Ibid., 1940, 11: 97-101.—**Overgaard, K.** [Case of spontaneous reduction of intussusception.] Hospitalstidende, 1927, 70: 933-6.—**Petri, K.** [Twenty cases of acute intestinal invagination in children treated with barium injection under Roentgen control] Ugeskr. læger, 1935, 97: 112-6.—**Pieroni, L. A.** Seis casos de invaginación aguda en lactantes reducida por enema baritado. Arch. pediat. Uruguay, 1939, 10: 299-304.—**Piotet, G.** Remarques sur les invaginations intestinales. Rev. méd. Suisse rom., 1937, 57: 823-6.—**Pouliquen.** A propos du traitement de l'invagination intestinale par le lavement opaque. Bull. Soc. nat. chir., Par., 1929, 55: 710-7. — Au sujet du diagnostic précoce et du traitement de l'invagination intestinale du nourrisson. Arch. méd. enf., 1935, 38: 69-82. — **de La Marnierre.** Indication du lavement bismuthé dans certaines formes d'invaginations intestinales. Bull. Soc. nat. chir., Par., 1927, 53: 1016-21.—**Povlsen, O.** [Treatment of invagination under roentgen control] Nord. med., 1939, 1: 662.—**Propping.** Zur Behandlung der akuten Darminvagination im Kindesalter. Arch. klin. Chir., 1930, 159: 495-500.—**Redwitz, E. von.** Ein einfaches Mittel zur Erzielung einer schonenden Desinvagination bei der Darminvagination. Münch. med. Wschr., 1933, 80: 54.—**Reid, G.** Intestinal obstruction as it is related to intubation of the small bowel. South. M. & S., 1940, 102: 181-5.—**Retan, G. M.** Nonoperative treatment of intussusception. Am. J. Dis. Child., 1927, 33: 765-70. Also N. York State J. M., 1928, 28: 1408.—

Rodriguez Castro, A., Vizziano Pizzi, J., & Soto, J. A. Cinco casos de enema baritado en invaginations agudas del lactante. Arch. pediat. Uruguay, 1937, 8: 170-8.—**Rouéche.** A propos du traitement de l'invagination intestinale et de l'article du Dr Le Cam. Méd. inf., Par., 1928, 34: 7-9.—**Roviralta, E.** Consideraciones sobre el tratamiento incurrente de la invaginación aguda en el lactante. Med. Ibera, 1935, 29: pt. 1, 263-5.—**Rutledge, C. P.** The diagnosis and treatment of intussusception by use of the barium enema under fluoroscopic control. N. Orleans M. & S. J., 1934, 87: 457-65.—**Salmon, M., & Dor, J.** Cinq observations d'invagination intestinale aiguë du nourrisson; lavement et laparotomie complémentaire à propos des récidives. Marseille méd., 1936, 73: 634-42.—

Segall, E. [Case of spontaneous cure in intestinal intussusception.] Polska gaz. lek., 1939, 18: 232.—**Siperstein, D. M.** Acute intussusception in infancy; operative and non-operative treatment. Arch. Pediat., N. Y., 1931, 48: 31-41.—**Siöström, P. M.** Ueber Diagnostik und Desinvagination von Darminvaginationen mit Hilfe von Röntgendurchleuchtung. Acta chir. scand., 1934, 74: 125-71, 4 pl. — Ueber unblutige Desinvagination von Darminvaginationen mit Hilfe von Kontrastlauf unter Röntgendurchleuchtung. Chirurg, 1934, 6: 706-14.—**Stephens, V. R.** Acute intussusception; manipulative reduction under fluoroscopic control. Am. J. Dis. Child., 1928, 35: 61-4.—**Terrien, E.** Invagination intestinale du nourrisson et lavement baryté. Rev. gén. clin. théor., 1935, 49: 54-6.—**Thouvenin, R.** A propos de l'invagination intestinale aiguë du nourrisson. Arch. méd. Angers, 1928, 32: 33-9.—**Tixier & Arnulf.** A propos d'un cas d'invagination intestinale aiguë du nourrisson, traitée et guérie par le lavement baryté seul. Lyon chir., 1937, 34: 363-67.—**Van Parys, C.** Quelques considérations sur l'iküs (invagination intestinale) guérison spontanée de cette grave affection par le gangrène de la partie invaginée et l'adhésion cicatricielle des 2 bouts correspondants de l'intestin. Presse méd. belge, 1861, 13: 357; 364.—**Wainberg, L. I.** [Insufflation of air through the anus as method of desinvagination in the large intestine] Khirurgia, Moskva, 1937, No. 3, 135.

Intussusception—in animals.

Aubry. Invagination intestinale chez une pouliche. Rec., méd. vét., 1933, 109: 542.—**Blaschke, F.** Operative Heilung einer Darminvagination beim Stier. Prag. tierärztl. Arch., 1938, 18: 121.—**Edwards, F. V.** Intussusception in the cow. Vet. Rec., Lond., 1941, 53: 605.—**Hebeler, H. F.** Intussusception in a cow. Ibid., 568.—**Leblanc, C.** Sur 3 cas d'invagination intestinale survenue, chez des chevaux, consécutivement à une anasarque essentielle, terminée par métastase. Bull. Soc. centr. méd. vét., Par., 1877, 31: 327-30.—**Morgotti, L.** Invaginatio intestini; contributo casistico, clinico ed anatomico-patologico. Proflassi, 1931, 4: 111.—**Rehaut.** L'invagination intestinale chez les bovidés. Rec. méd. vét., 1939, 115: 83-90.—**Shambaugh, B. Jr.** Intussusception in a beaver. Vet. Med., Chic., 1942, 37: 305.—**Smythe, R. H.** Volvulus and intussusception in cattle, and their surgical treatment. Vet. Rec., Lond., 1932, 12: 1480-2.

Irrigation.

See also Colon, Irrigation; Constipation, Treatment; Enema.

Abuso (O) das lavagens intestinaes. Novid. méd. pharm., Porto, 1906, 11: 65-9.—**Adamitsch, F.** Meine Erfahrungen bei Anwendung von natürlichem Karlsbader Salz bei den sub-aqualen Darmbädern Gürtelöser Entercleaner, Original Dozen Brosch., Wien. Wien. med. Wschr., 1938, 88: 1097-101.—**Buchholz, W.** Ueber Transduodenalspülung des Darnies mit Trypaflavin. Fortsch. Ther., 1925, 1: 466-70.—**Chanoz, M.** Le lavement électrique et ses indications. Ann. électrob., Lille, 1908, 11: 653-9.—**Frumusan, J., & de Mendoza, F. S.** Considerations sur 4 années d'aspirolyse. Bull. Acad. méd., Par., 1937, 3, ser., 117: 133-9.—**Jutte, M. E.** Trans-duodenal irriga-

tion for intestinal conditions in medicine, surgery, and the specialities. N. York State J. M., 1926, 26: 672-4.—**Thornton, R. C. B., & Leavitt, H. L.** Locke's vs Tyrode's for perfusion of segments of intestine. Proc. Soc. Exp. Biol., N. Y., 1928-29, 26: 811-3.—**Van der Reis.** Eine Apparatur für Darmwaschungen und Transintestinalspülungen (Entero-Lavator) Deut. Arch. klin. Med., 1927, 157: 108-13.—**Waddington, J. E. G.** Intestinal irrigation. Bull. Off. Pract., 1938-39, 12: 153.—Scientific intestinal irrigation. Clin. M. & S., 1939, 46: 130-3.

Kinking.

See under Intestine, Adhesion.

Large intestine.

See Anus; Colon; Sigmoid; Rectum.

Lipoma.

Lörz, K. *Ueber Darmlipome. 32p. 8° Münch., 1929.

Bouchet & Bouchet. fils. Occlusion intestinale par lipome chez une vache. Bull. Acad. vét. France, 1928, 1: 37.—**Brusgaard, C.** [Lipoma of the intestinal tract] Nord. med., 1940, 6: 1002-6.—**Kirshbaum, J. D.** Intestinal obstruction by a submucous lipoma. Tr. Chicago Path. Soc., 1934, 14: 183.—Submucous lipomas of the intestinal tract, as a cause of intestinal obstruction. Ann. Surg., 1935, 101: 734-9.—**Mirolli, A.** Contributo allo studio dei lipomi sottomucosi e sottoserosi dell'intestino; illustrazione di un caso con eliminazione spontanea del tumore. Arch. ital. chir., 1929, 24: 553-80.—**Netto, A., & de Azevedo, G. V.** Lipomas sub-mucosos do intestino; invaginação no adulto (a propósito de um caso) Rev. med., S. Paulo, 1927, 12: 456-76, 2 pl.—**Odstrčil, B.** Ueber spontane Elimination von Darmlipomen. Virchows Arch., 1939-40, 305: 413-31.—**Polák, E.** Ein Beitrag zur Kasuistik der submukösen Lipome des Darmes. Acta chir. scand., 1928, 63: 65-76, pl.—**Pélya, E.** Zur Kenntnis der Darmlipome. Zbl. Chir., 1929, 56: 2518-20.—**Rouse, R. A. T., & Mekie, D. E. C.** Case of intestinal lipoma. Edinburgh M. J., 1930, 37: 50-4.—**Shearer, J. P., & Creer, J. R.** Intussusception produced by submucous intestinal lipomas; report of a case. Med. Ann. District of Columbia, 1942, 11: 347.—**Szczurkowski, C.** [Multiple intestinal lipomas] Polska gaz. lek., 1934, 13: 148.—**Szöllösy, L.** [Intestinal lipoma] Gyógyászat, 1939, 79: 63. Also Orv. hetil., 1939, 83: 63-5.

Lymphatics.

See also Mesentery.

ERDÉLY, A. *Ueber die Beziehungen zwischen Bau und Funktion des lymphatischen Apparates des Darmes [Bern] 34p. 8° Münch., 1904.

Freeman, L. W. Lymphatic pathways from the intestine in the dog. Anat. Rec., 1942, 82: 543-50.—**Hummel, K. P.** The structure and development of the lymphatic tissue in the intestine of the albino rat. Am. J. Anat., 1935, 57: 351-78, 3 pl.—**Maksimovich, N. A.** [Reactions of the follicular intestinal apparatus in children] Pediatria, Moskva, 1941, No. 3, 16-23.—**Matakas, F.** Ueber Kohlenstanbahnabirungen im Darm und den Gekröselymphknoten und ihre Beziehungen zu den punktförmigen Pigmentierungen des lymphatischen Darmapparates. Virchows Arch., 1927, 263: 220-33.—**Ottaviani, G.** Ricerche comparative sui linfonodi, sui tronchi collettori linfatici e sulle reti linfatiche dell'intestino tenue e dell'intestino crasso e ricerche comparative sul tronco mesenteriale. Arch. ital. anat., 1932-33, 30: 293-451.—**Plattner, F., & Hou, C. L.** Ein zweckmässiges Verfahren zur Demonstration der Darmlymphgefässe. Arch. ges. Physiol., 1931, 228: 563-7.—**Riedl, L.** [Enterokoniosis] Cas. lek. česk., 1937, 76: 533-5.—**Simizu, S.** Beiträge zur Anatomie des Lymphgefässsystems der Wirbeltiere und des Menschen (Japaner): Untersuchung über die feinere Verteilung der Lymphgefässe des Dickdarmes. Fol. anat. jap., 1932, 10: 589-99.

Lymphosarcoma.

Basabe, H. Perforación intestinal aguda por linfosarcoma. Arch. argent. enferm. ap. digest., 1938-39, 14: 652-8. Also Prensa méd. argent., 1940, 27: pt 1, 272-5.—**Chirache, H.** Primary lymphosarcoma of the intestine in a boy of 7; follow-up of 9 years. Am. J. Surg., 1943, 59: 601.—**Gabriel, V.** Lymphosarcoma of the intestine. J. Ceylon Br. M. Ass., 1939, 36: 249.—**Giuliano, G.** Un caso di linfosarcoma dell'intestino (studio anatomo-isto-patologico, batteriologico e clinico) Arch. ital. chir., 1928, 20: 263-94.—**Handelman, L.** Lymphosarcoma of the cecum; report of a case. Illinois M. J., 1931, 60: 224-7.—**Lafferty, C. R.** Primary lymphosarcoma of the intestine; report of 4 cases. J. M. Ass. Alabama, 1938-39, 8: 353-6.—**Mayo, C. W., & Robins, C. R., jr.** Lymphosarcoma of the intestine. Surg. Clin. N. America, 1935, 15: 1163-70.—**Menne, F. R., Mason, D. G., & Johnston, R.** Lymphosarcoma of the intestine; report of 2 cases. Arch. Surg., 1942, 45: 945-56.—**Premoli, F.** Peritonitis por perforación de sarcoma intestinal. Rev. méd. Rosario, 1931, 21: 458-61.—**Truffi, G.** Sul linfosarcoma intestinale; contributo anatomopatologico (4

casi) Morgagni, 1926, 5: 294; 321.—**Ullman, A., & Abeshouse, B. S.** Lymphosarcoma of the small and large intestines. Ann. Surg., 1932, 95: 878-915.—**Usher, F. C., & Dixon, C. F.** Lymphosarcoma of the intestines. Gastroenterology, 1943, 1: 160-78.

Morphology.

CUSTOR, J. *Ueber die relative Grösse des Darmkanales und der hauptsächlichsten Körpersysteme beim Menschen und bei Wirbeltieren [Bern] 31p. 8° Berl. [1875]

Azbukin, A. P. [Study of congenital position and attachment of the large intestine in the newly born] Izv. Tomsk. univ., 1926, 78: 1-83.—**Bentenrieder, A.** Zur Kenntnis des Bindegewebsgerüsts der menschlichen Darmwand, insbesondere über Serosa, Gefässbeziehungen und Kerkingsche Falten. Zschr. Anat. Entw., 1938-39, 109: 513-43.—**Dreschel, J.** Ueber die Lage der Darmwindungen. Zschr. ges. Anat., 1. Abt., 1932, 97: 157-68.—**Elze, C., & Ganter, G.** Zur Darmlänge in vivo. Zschr. ges. exp. Med., 1929, 66: 475-86.—**Ganter, G.** Ueber die Länge des menschlichen Darmes. Ibid., 1925-26, 48: 561-9.—**Goerttler, K.** Der konstruktive Bau der menschlichen Darmwand. Morph. Jahrb., 1932, 69: 329-79, pl.—**Hirooka, O.** Ueber die Gewebsarchitektur der Darmwand. Fukuoka acta med., 1936, 29: 58.—**Jacobshagen, E.** Mittel- und Enddarm (Rumpfdarm). In Handb. vergl. Anat. (Bolk, L., et al.) Berl., 1937, 3: 563-724.—**Kuhn, K.** Die Darmlänge des lebenden Menschen. Umschau, 1929, 33: 166-8.—**Luca, A.** Osservazioni sulle dimensioni dell'intestino nell'infanzia (dati anatomici e confronti con varie misure corporee) Lattante, 1931, 2: 506-30.—**Reis, van der, & Schembra, F. W.** Weitere Studien über die funktionelle Darmlänge: Operative Ergebnisse und Beobachtungen am Bauchfenster. Zschr. ges. exp. Med., 1926, 52: 74-83.—**Riddle, O., & Nussmann, T. C.** A sex difference in pituitary size and intestinal length in doves and pigeons. Anat. Rec., 1933, 57: 197-204.—**Toyama, S.** Ueber die Länge und die Breite des Darmes beim Japaner. Sei i kai, 1930, 49: No. 11, 15-7.

Movement.

See also Colon, Movement; Defecation; Intestine, Physiology.

PUESTOW, C. B. Intestinal motility of the dog and man. 69p. 28cm. Urbana, 1940.

Alvarez, W. C. Peristalsis in the dogfish and ray. Am. J. Physiol., 1927, 80: 493-501.—How waves go down the bowel. Tr. Am. Gastroenter. Ass. (1930) 1931, 33: 164-7.—New light on intestinal peristalsis in health and disease. Proc. Mayo Clin., 1937, 12: 657-60.—**Zimmermann, A.** The absence of inhibition ahead of peristaltic rushes. Am. J. Physiol., 1927, 83: 52-9.—**Barclay, A. E.** Direct X-ray cinematography with a preliminary note on the nature of the non-propulsive movements of the large intestine. Brit. J. Radiol., 1935, 8: 652-8.—**Barcroft, J., & Robinson, C. S.** A study of some factors influencing intestinal movements. J. Physiol., Lond., 1929, 67: 211-20.—**Belonogova, N. S.** Ueber den Einfluss der Darmmotilität auf den Urobilinoengehalt der Faeces und des Harns. Deut. Arch. klin. Med., 1931, 170: 436-44.—**Boulet, L.** Effets de l'excitation du splanchnique sur la motilité intestinale du chien baryté. C. rend. Soc. biol., 1933, 113: 187.—**Catel, W.** Zur Physiologie der Dünn- und Dickdarmbewegungen. Kinderärztl. Prax., 1935, 6: 498-502.—**Costantini, A.** Ricerche sulla peristalsi intestinale sull'influenza delle ghiandole surrenali sulla motilità dell'intestino. Arch. ital. mal. app. diger., 1937, 6: 447-56.—**Ballarin, G.** Ricerche sulla peristalsi intestinale; sull'influenza della tiroide e delle paratiroidi sulla motilità dell'intestino. Sperimentale, 1935, 89: 417-28.—**De Marco, R.** Alcune osservazioni sull'attività motoria dell'intestino. Boll. Soc. ital. biol. sper., 1929, 4: 556-9.—**Dolmatova, A. V.** [Peristalsis of the digestive tract in female Anopheles maculipennis] In Vopr. fiziol. malar. (Centr. inst. malarii) Moskva, 1939, No. 1, 23-42.—**Dukes, H. H.** Intestinal motility. Cornell Vet., 1935, 25: 132-5.—**Falk, J.** Ueber die mit der Kohlehydratverdauung verbundenen Darmvorgänge; Kohlehydratverdauung und Darmmotilität. Zschr. Kinderh., 1936, 58: 225-31.—Ueber Kohlehydratverdauung und Darmmotilität. Mschr. Kinderh., 1937, 68: 339.—**Fleischer, F.** Zum Problem der Darmbewegungen. Zschr. klin. Med., 1928, 108: 398-400.—**Fujita, K., & Kisi, T.** Ueber den Einfluss des Extraperitonealreizs auf die Darmbewegung. Mitt. Med. Akad. Kioto, 1939, 27: 1185.—**Funakoshi, T.** Ueber den Einfluss der Reizung des Nervus depressor auf die Darmbewegung. Ibid., 1935, 15: 1165.—**Garry, R. C.** The movements of the large intestine. Physiol. Rev., 1934, 14: 103-32.—**Goerttler, K.** Bau und Mechanik der menschlichen Darmwand. Verh. Anat. Ges., 1931, 40: 169-73.—**Hamne, B.** Untersuchungen über die Motilität des überlebenden Darmes bei Fiebertemperaturen. Upsala läk. fören. förh., 1928, n. f., 34: 731-67, pl.—**Henderson, V. E.** The mechanism of intestinal peristalsis. Am. J. Physiol., 1928, 86: 82-98.—**Hirschberg, L.** Neue Beiträge zur Frage der periodischen motorischen Tätigkeit des Darmrohres. Zschr. ges. exp. Med., 1928, 62: 381-90.—**Ivy, A. C.** Peristalsis. In Cylop. Med. (Piersol-

Bortz) Phila. 1939, 11: 454-63. — **Kahlon, G.** Die Darmwand als Bildungsstätte des Cholins und dessen Bedeutung für die Darmmotrik. *Klin. Wschr.*, 1933, 12: 1015-7. — **Kolda, J.** [The motor functions of the intestines in vitro]. *Biol. spis. zver. ikh.*, 1926, 5: No. 5, 1-41. — **Contribution à l'étude des mouvements de l'intestin isolé.** *C. rend. Soc. biol.*, 1926, 95: 210-2. — **Kopstein, G. G.** A roentgenologic contribution to the physiology and anatomy of intestinal motility. *Radiology*, 1940, 35: 39-44. — **Krishnan, B. T.** Studies on the function of the intestinal musculature; the variations in rate and character of the normal movements in different regions of the intestine. *Q. J. Exp. Physiol.*, Lond., 1932, 22: 199-208. — **Studies on the function of the intestinal musculature; are the intestinal movements neurogenic or myogenic?** *Ibid.*, 1933, 22: 361-8. — **Lauwers, E. E., & Damiyavitch, B.** Etude de la motilité de segments intestinaux inversés. *Bull. Acad. méd. Belgique*, 1934, 5. ser., 14: 367-9; 425-42, 4 pl. — **Magel, C.** Beiträge zur Physiologie der Verdauung; über den Einfluss von Galle und Zucker auf den Tonus und die Pendelbewegungen des überlebenden Kätzendarmes. *Arch. ges. Physiol.*, 1924, 202: 509-22. — **Mann, F. C.** Experimental studies on the motor mechanism of the intestine. *Tr. West. Surg. Ass.* (1940) 1941, 50: 478-92. Also *Dia méd.*, B. Air., 1942, 14: 581. — **Meschan, L., & Quigley, J. P.** Spontaneous motility of the pyloric sphincter and adjacent regions of the gut in the unanesthetized dog. *Am. J. Physiol.*, 1938, 121: 350-7. — **Morin, G.** Conditions mécaniques nécessaires à l'entretien du péristaltisme de l'intestin en survie. *C. rend. Soc. biol.*, 1934, 117: 448-50. — **Namikawa, T.** Ueber die Beziehung der inneren Sekretion zur Darmbewegung und dem Blutdruck des Kaninchens. *Mitt. Med. Akad. Kioto*, 1934, 11: 587-98. — **Negrobav, A. I.** [Methodik der parallelen Registrierung der Kontraktionen des isolierten Darms]. *J. Physiol. USSR*, 1935, 18: 673-7. — **Never, H. E.** Die Bedeutung der Dehnung und der Rezeptionsorgane für die Rheokinetik. *Arch. ges. Physiol.*, 1934-35, 235: 733-6. — **Vincke, E.** Untersuchungen über den Mechanismus der Darmbewegungen. *Zschr. ges. exp. Med.*, 1939, 106: 352-9. — **Okao, K.** Experimentelle Studien über die Reizprobität der Darmbewegung, der Blutzirkulation in der Darmwand und des allgemeinen Kreislaufs; physiologische Untersuchung. *Mitt. Med. Akad. Kioto*, 1935, 13: 870. — **Oppenheimer, M. J., & Glyer, N. M.** The effect of elevated metabolism on rate of intestinal contractions. *Am. J. Digest. Dis.*, 1941, 8: 471-3. — **Ottingen, W. F. von, Sellmann, T., & Isikawa, Y.** Peristalsis in long pieces of excised intestine. *Arch. internat. pharm. dyn.*, Brux., 1928, 34: 49-62. — **Rudoi, M. S.** [Effect of diathermy applied to the cerebellum and vestibular apparatus on the motor functions of the intestinal tract]. *Klin. med.*, Moskva, 1937, 15: 1036. — **Schnohr, E.** Experimentelle Beiträge zur Kenntnis der Peristaltik des Darms nach Beobachtungen am Bauchfenster der Kaninchen. *Acta chir. scand.*, 1933, 73: 84-110, pl. Also *Hospitalstidende*, 1934, 77: 29-47. — **Trepleton, R. D., & Lawson, H.** Studies on the motor activity of the large intestine; normal motility in the dog, recorded by the tandem balloon method. *Am. J. Physiol.*, 1931, 96: 667-76. — **Tournade, A., & Chabrol, M.** Effet sur la motricité intestinale de l'excitation centrifuge du vague. *C. rend. Soc. biol.*, Par., 1926, 94: 1202. — **Tournade, A., & Cutillet, A.** Effet qu'entraîne sur la motricité intestinale la suppression (anatomique ou fonctionnelle) du dernier nerf frénateur. *Ibid.*, 1935, 118: 1073-5. — **Tournade, A., Mal-méjac, J., & Rocchisani, L.** Sur la réaction intestino-motrice provoquée par l'excitation de la zone sino-carotidienne ou de son nerf. *Ibid.*, 1933, 112: 338-40. — **Tullio, P.** Motilità e assorbimento intestinale. *Arch. ital. mal. app. diger.*, 1939, 8: 75-7. — **Voronine, I. G., & Zimkina, A. M.** L'influence de l'excitation faradique du cervellet sur la fonction motrice des intestins. *Prov. Internat. Physiol. Congr.* (1935) 1938, 15. Congr., 107. — **Weitz, W., & Völkers, W.** Ueber die physikalische Beeinflussung der Darmbewegungen. *Verh. Deut. Ges. inn. Med.*, 1927, 39. Congr., 30: 2. — **Ueber die Beeinflussung des Dickdarm- und Dünn darmtonus und der Pendelbewegungen des Dünn darms beim Menschen durch Wärme und Kälte.** *Arch. Verdauungskr.*, 1927, 41: 311-20. — **Windle, W. F., & Bishop, C. L.** Prenatal intestinal movements in anoxemia. *Proc. Soc. Exp. Biol.*, N. Y., 1939, 40: 2-4.

Movement: Disorder.

See also Ileus; paralytic.

Alvarez, W. C., & Hosoi, K. The experimental reversal of intestinal gradients. *Am. J. Physiol.*, 1929, 89: 187-200. — **Ascanio, H.** ¿Que es lo que le pasa al mecanismo peristáltico cuando el intestino, sin obstrucción, no hace avanzar su contenido? *Crón. méd. quir.* Habana, 1929, 55: 483-97. — **Chabrol, E., Lemaire, A.** [et al.] Evolution des idées médicales sur la motricité de l'intestin en pathologie digestive. *Presse therm. clim.*, 1939, 80: 127. — **Parkas, K.** [Peculiar disorders of intestinal passage]. *Orv. hetil.*, 1940, 84: 571-6. — **Gleize-Rambal, L.** Note sur les endosymphathoses entéro-motrices; pseudo-coliques et colospasmes. *Marseille méd.*, 1941, 78: 404-12. — **Gutzeit, K.** Motilitätsstörungen des Darms und ihre Behandlung. *Münch. med. Wschr.*, 1935, 82: 1021-4. — **Knüttel, G.** Ein Beitrag zum Kapitel normale und gestörte Darmbewegung auf Grund von röntgenologischen Beobachtungen. *Fortsch. Röntgenstrahl.*, 1932, 46: 149. — **Oehnel, H.** Ueber die ungleichmässige Verschiebung von Speiseresten bei der Darmpassage; einige Bemerkungen im

Anschluss an einen seltenen, zunächst an Nothnagels Jejunaldiarrhöe eintretenden Symptomenkomplex. *Acta med. scand.*, 1926-27, 65: 555-61. — **Schmidt, J.** Die Verwendbarkeit der Elektrotherapie bei Störungen der Darmperistaltik des Pferdes. *Arch. wiss. prakt. Tierh.*, 1933, 34, 67: 391-5. — **Truelle, R.** L'hyperperméabilité intestinale; ses causes, ses conséquences proches et lointaines. *Rev. prat. mal. pays chauds*, 1938, 18: 116-28. — **Tumpeer, I. H.** Effects of hyperperistalsis on the electrocardiogram. *Arch. Phys. Ther.*, 1934, 15: 541.

Movement: Examination.

Alvarez, W. C. Peristaltic rush studied with new apparatus. *Am. J. Digest. Dis.*, 1937-38, 4: 225-8. — **Biehl, M.** Graphische Darstellung der Darmbewegungen an der in einem Hautschlauch exstentierten Darmschlinge. *Klin. Wschr.*, 1930, 9: 1674. — **Borre Larsen, S.** [Examination of the intestinal passage]. *Nord. med.*, 1940, 8: 2329. — **Bors, E., & Polano, H.** Methodisches zur Registrierung von Darmbewegungen. *Arch. exp. Path.*, Berl., 1932, 167: 238. — **Chang, L.** Ueber die getrennte Aufzeichnung der Bewegungen der Längs- und Ringmuskeln am Kaninchendarm in situ. *Jap. J. M. Sc.*, 1940, 13: Proc. Pharm., 165-8. — **Chauchard, A., Chauchard, B., & Chauchard, P.** Recherches quantitatives sur les variations de l'excitabilité motrice intestinale. *Ann. physiol.*, Par., 1938, 14: 486-90. — **Dinner, Z.** [Investigation of intestinal movements on guinea-pigs]. *Magy. orv. arch.*, 1938, 39: 35-42. — **Donatelli, L.** Sulle tecniche di registrazione dei fenomeni motori nell'intestino in vitro: descrizione di una nuova cannula costruita ad hoc. *Arch. internat. pharm. dyn.*, Par., 1938, 58: 27-46. — **Dukes, H. H., & Sampson, J.** Intestinal motility in the horse: a motion picture. *Am. J. Physiol.*, 1936, 116: 39. — **Fantus, B., Kopstein, G., & Schmidt, H. R.** Roentgen study of intestinal motility as influenced by brain. *J. Am. M. Ass.*, 1940, 114: 404-8. — **Guénaux, G., & Vasselle, P.** Etude radiologique du transit intestinal normal. *Arch. mal. app. digest.*, Par., 1939-40, 29: 1082-100. — **Hase, T.** Verbesserte Methode zur graphischen Registrierung der Darmbewegung in situ. *Mitt. Med. Akad. Kioto*, 1939, 25: 686-98. — **Ito, R.** Apparatus for delineating the movement of the intestinal canal of rabbits. *J. Orient. M.*, Dairen, 1937, 26: 49. — **Kegerreis, R.** A method of determining and recording human intestinal motility. *Am. J. Digest. Dis.*, 1937-38, 4: 432-8. — **Kristoforov, I. D.** [Method of graphic registration of the motor function of the intestine in the sheep]. *Sovet. vet.*, 1940, 17: No. 5, 71. — **Krasucky, V. K.** [Technique of investigation of the motor function of the isolated intestine]. *J. Physiol. USSR*, 1940, 28: 367-71. — **Lawson, H.** Gravimetric intestinal onometry in the dog. *Proc. Soc. Exp. Biol. N. Y.*, 1940, 45: 5-8. — **Leonard, C. L.** A Röntgenographic study of peristalsis; the relation of wave form to functional activity. *Tr. Coll. Physicians Philadelphia*, 1908, 30: 174-81, 2 pl. — **Loeper, M., & Lemaire, A.** Modifications à la technique d'inscription des mouvements intestinaux; emploi du manomètre à eau à inscription directe. *C. rend. Soc. biol.*, 1930, 105: 741. — **Macht, D. I., & Hill, P. S., jr.** Urethane-rat preparation for study of intestinal peristalsis. *Proc. Soc. Exp. Biol. N. Y.*, 1928-29, 26: 871. — **Murayama, M.** Ueber meine eigenen Methoden zur Beobachtung der Darmbewegung. *Fukuoka acta med.*, 1934, 27: 116. — **Oettingen, W. F. von.** Simultaneous cinematography of intestinal movements and tracings. *Abstr. Internat. Physiol. Congr.*, 1929, 13. Congr., 196. — **Schnohr, E.** Action des injections hypertoniques de chlorure de sodium sur le péristaltisme intestinal; observations faites par une fenêtre disposée suivant une méthode simplifiée dans la paroi abdominale. *C. rend. Soc. biol.*, 1932, 110: 1113. — **Schur, H., & Löw, A.** Die radiologische Darstellung anatomischer Veränderungen des Darmrohrs unter Zuhilfenahme von Pituitrin nebst kurzen Bemerkungen über den physiologischen Ablauf der Darmbewegungen. *Wien. klin. Wschr.*, 1937, 50: 199. — **Straub, W., & Viaud, P.** Studien über Darmmotilität; Methodik. *Arch. exp. Path.*, Berl., 1932-33, 169: 1-8. — **Sugihara, N., Kondo, T., & Masuda, M.** Ein neues Verfahren, die Darmbewegung in situ zu studieren. *Keijo J. M.*, 1931, 2: 31-52. — **Villaret, M., Bernheim, M. Y., & Justin-Besargon, L.** Technique d'enregistrement simultané des mouvements pendulaires et péristaltiques de l'intestin isolé. *C. rend. Soc. biol.*, 1930, 104: 1244-6. — **Yamamoto, H.** Studien über die Darmbewegung nach chronischer Fistel-methode. *Fukuoka acta med.*, 1937, 30: 100.

Movement: Pharmacology.

See also subheadings (Nerves; Pharmacology)

MORELLE, C. G. J. *Cures sulfatées calciques et motricité intestinale. 341p. 25½cm. Nancy, 1935.

WAGNER, W. *Die Wirkung einiger ätherischer Öle und ihrer Inhaltsdrogen auf die Darmpassage. 15p. 23cm. Lpz., 1937.

Arieff, M. J. [Action of bile combinations on visceromotor function of the intestinal tract]. *Vrach. delo*, 1926, 9: 509-12. — **Auer, J., & Krueger, H.** Inhibition of gastric and cecal peristalsis in rabbit by CO₂-O₂ inhalations. *Proc. Soc. Exp. Biol.*, N. Y., 1942, 49: 304-7. — **Bacq, Z. M.** Inhibition des mouvements de l'intestin par la sympathine. *C. rend. Soc. biol.*, 1933, 112: 211. — **Bergen, J. A., & Guthrie, J. S.** The effects of drugs on the motility of isolated segments of the intestine of man.

- Tr. Am. Gastroenter. Ass., 1935, 38, meet., 112-4. Also Am. J. Digest. Dis., 1935-36, 2: 668-70.—**Bariety, M., & Kohler, D.** Excitations urétérales et mouvements de l'intestin in situ chez des chiens normaux, yohimbinisés, atropinés et éserinés. C. rend. Soc. biol., 1938, 127: 402-7.—**Borsotti, P. C.** L'influenza dell'acetilcolina sulla motilità intestinale; esperimenti sopra intestino in vitro e in vivo, sottoposto all'azione dell'A., con speciale riguardo al suo comportamento dopo somministrazione di eserina o dopo le comuni anestesie. Arch. sc. med., Tor., 1935, 60: 999-28.—**Bouisset, L., & Fabre, P.** Action du chlorure de sodium hypertonique sur la motricité intestinale. C. rend. Soc. biol., 1930, 104: 462-5.—**Brandendler, W.** Ueber die Umkehr der Wirkung des N. vagus und N. splanchnicus auf die Darmbewegungen unter dem Einflusse von Kalium und Calcium. Arch. exp. Path., Lpz., 1928, 138: 219-27.—**Catel, W.** Zur Kritik der Essigsäurewirkung auf die Darmmotilität. Mschr. Kinderh., 1937, 69: 393-402.—**Colombi, C., & Sacchi, U.** L'azione delle iniezioni endovenose di soluzioni ipertoniche di cloruro di sodio sulla peristalsi intestinale. Fisiol. & med., Roma, 1933, 4: 120-7.—**Costantini, A., & Almeida, F. de.** Ricerche sulla peristalsi intestinale; sull'azione dell'atropina, acetilcolina, ergotamina, adrenalina. Arq. anat., Lisb., 1938, 19: 597-601.—**Costantini, A., & Ballarin, G.** Azione di diversi sali introdotti per via endovenosa sulla peristalsi intestinale. Boll. Soc. ital. biol. sper., 1934, 9: 1029-32. — **Ricerche sulla peristalsi intestinale; azione di vari sali iniettati endovena (osservazioni fatte attraverso una lamina trasparente posta in sostituzione di parte della parete addominale)** Arch. ital. chir., 1935, 39: 401-24.—**Dal Prato, C.** Sulla pretesa azione peristaltogena dell'argento colloidale introdotto in cavità peritoneale. Policlinico, 1934, 41: sez. prat., 535.—**De Marco, R.** Azione di alcune sostanze chimiche sull'attività motoria dell'intestino. Boll. Soc. ital. biol. sper., 1930, 5: 1006-8.—**Docimo, L.** Gli effetti delle soluzioni ipertoniche di cloruro sodico sulla motilità intestinale. Fisiol. & med., Roma, 1932, 3: 805-19. Also Arch. ital. biol., 1933, 89: 131-9.—**Dreyer, N. B., & Tsung, T.** Effect on intestinal movements of certain salts administered intravenously. J. Pharm. Exp. Ther., 1929, 36: 629-33.—**Elmer, A. W., & Paszek, L.** Action comparée de la vasopressine et de la pituitrine sur le péristaltisme intestinal. C. rend. Soc. biol., 1930, 104: 540. — **Action de l'ocytocine sur le péristaltisme intestinal et antagonisme entre la vasopressine et l'ocytocine.** Ibid., 542.—**Emerson, G. A.** Intestinal motility in rats anesthetized with ether. Am. J. Digest. Dis., 1937-38, 4: 255.—**Ferguson, J.** Effect of propylene glycol and progesterone on motility of the isolated intestine of the rabbit. Endocrinology, 1943, 32: 57.—**Fujita, K.** [Ueber die Veränderungen der Darmbewegung bei der Applikation vegetativer Reizstoffe auf der Darmserosafläche bei Anämie, venöser Stauung und Zirkulationsstillstand des Darmes] Mitt. Med. Akad. Kioto, 1941, 32: 385-95.—**Fukuhara, H.** Beiträge zur zentralen Wirkung einiger Nervengifte auf die Darmbewegung. Jap. J. M. Sc., 1941, 14: Abstr., Pharm., 22.—**Galli, R.** Argento colloidale elettrico e motilità intestinale. Fisiol. & med., Roma, 1935, 6: 137-59.—**Garry, R. C.** Versuche zur Frage der Morphine Wirkung auf die Darmperistaltik. Arch. exp. Path., Lpz., 1927, 120: 345-7.—**Gherculescu, T.** [Peristaltogenic action of hypertonic serum in intra-rectal administrations] Cluj, med., 1934, 15: 538-40.—**Glyer, N. M., & Oppenheimer, M. J.** Thyroid extract and dinitrophenol on intestinal motility. Am. J. Physiol., 1941, 133: 296.—**Gratzl, E.** Tönneph, ein Hormon, präparat zur Regelung der Darmtätigkeit. Wien, tierärztl. Mschr., 1931, 18: 396-8.—**Gruber, C. M., & Robinson, P. I.** The intestinal activity in unanesthetized dogs as influenced by morphine and by papaverine. J. Pharm. Exp. Ther., 1929-30, 37: 101-20.—**Hamauchi, E.** Der Einfluss der intravenösen Injektion von Prostigmin, Kochsalz- und Traubenzuckerlösungen auf die Motilität des Darmes; experimentelle Untersuchungen. Arch. klin. Chir., 1941, 201: 50-82.—**Hertzler, A. E.** The effect of morphine on intestinal motility. J. Kansas M. Soc., 1939, 40: 197.—**Imanaga, H.** Wirkung der Wasserstoffionenkonzentration auf die Darmbewegung, insbesondere auf die Darmperistaltik. Fukuoka acta med., 1935, 28: 13.—**Inokuchi, T.** Einfluss der vegetativen Nervengifte auf die Darmbewegung des Kaninchens mit gestörter Schilddrüsenfunktion. Jap. J. M. Sc., 1935-36, 9: Proc. Pharm., 69-72. Also Mitt. Med. Akad. Kioto, 1938, 22: 1249-66.—**Jiřina, K.** [Effect of bitters and barium salts on the motor function of the intestine in vitro] Voj. zdrav. listy, 1931, 7: 90-111.—**Kin, K.** Experimentelle Studien über den Einfluss von hypertoniischer Kochsalzlösung auf die Darmbewegung in situ (über den Wirkungsmechanismus) J. Chosen M. Ass., 1933, 23: 100-2.—**Klonka.** Excitation du péristaltisme intestinal. An. cienc. méd., Madr., 1911, 2. ser., 8: 7-9. — **Acción de los purgantes sobre los movimientos intestinales.** Ibid., 9-12.—**Kleitsch, W. P., & Puestow, C. B.** Studies of intestinal motility; the effect of intravenous solutions and of insulin upon peristalsis. Surgery, 1939, 6: 679-96.—**Kolda, J.** Ueber den Einfluss der Herzgifte (Digitalin, Strophantin und Scillitoxin) auf die motorische Tätigkeit des isolierten Pferdedarmes. Arch. exp. Path., Lpz., 1926, 119: 165-92.—**Komoró, S.** Experimentelle Untersuchungen über den Einfluss der Hormone oder Organpräparate auf die Verdauungsorgane; Einfluss der weiblichen Sexualhormonpräparate auf die Darmbewegung. Mitt. Med. Akad. Kioto, 1939, 25: 400-2. — **Einfluss der männlichen Sexualhormone- und Hypophysenvorderlappenhormonpräparate auf die Darmbewegung.** Ibid., 708.—**Kovalsky, V. V.** [Effect of pilocarpin and atropin on the peristaltic movements of the intestines during hunger in dog] J. eksp. biol., 1926, 111-23.—**Krasusky, V. K., & Martynov, V. N.** [Effect of acids, contained in silage (lactic, acetic and butyric) on the movements of the isolated intestine] J. Physiol. USSR, 1940, 28: 360-6.—**Krishnan, B. T.** The influence of adrenaline, pituitary extracts and insulin on the movements of the intestine. Ind. J. M. Res., 1934, 22: 161-4, pl. — **Influence of histamine and acetylcholine on intestinal movements.** Ibid., 1937-38, 25: 95-100, pl.—**Krueger, H.** The effects of morphine and its derivatives on intestinal movements; peristalsis. J. Pharm. Exp. Ther., 1934, 51: 440-58. Also in Rep. Com. Drug Addict. (U. S. Nat. Res. Council) 1941, 863-81. — **Studies on intestinal movements.** Ibid., 819. — **The effect of morphine on intestinal peristalsis.** Ibid., 822. — **Gay, H.** The effect of some hydrogenated derivatives of the codeine isomers on intestinal movements. Ibid., 820.—**Krueger, H. M., & Howes, H. A.** A comparison of the effects of morphine, dihydrald, and dihydro-desoxymorphine-D on intestinal movements. Ibid., 823. — **Gay, H.** The effects of morphine and its derivatives on intestinal movements; dihydrodesopseudocodeine and dihydroallopseudocodeine. Ibid., 882-912.—**Krueger, H., Lampe, I., & Reid, J. G.** The effects of morphine and its derivatives on intestinal movements; contributions to the analysis of intestinal records. J. Pharm. Exp. Ther., 1936, 56: 327-40. Also in Rep. Com. Drug Addict. (U. S. Nat. Res. Council) 1941, 913-26.—**Lenkeit, W.** Ueber den Einfluss von Flüssigkeiten mit verschiedenem Salzgehalt (Ca, Mg) auf die Entleerung des Magen-Darmkanals (nach Versuchen an weissen Ratten) Arch. exp. Path., Berl., 1934, 175: 759-62.—**Lévy, J., & Michel, E.** Action de quelques substances médicamenteuses: dioxidi-amido-arsénobenzol, méthylènesulfate de sodium (914) adrénaline, acétylcholine, histamine sur le péristaltisme intestinal. Bull. Acad. méd., Par., 1937, 3. ser., 117: 179-83.—**Lurie, G. S.** [Influence of chemical irritants on contractions of an extirpated large intestine in the application of Ringer solution] Vrach. delo, 1926, 9: 423.—**McCallum, J. W., & Magee, H. E.** The influence of bicarbonate and phosphate on the movements of surviving intestine. Q. J. Exp. Physiol., Lond., 1930, 20: 21-8.—**McClendon, J. F., Scott, J. et al.** Acetate and intestinal motility. Am. J. M. Sc., 1942, 204: 153 (Abstr.).—**McCrea, F. D., & Marion, D. F.** Intestinal motor inhibition by parasympathetic drugs. Proc. Soc. Exp. Biol., N. Y., 1934-35, 32: 876-82.—**Magee, H. E., & Reid, C.** Studies on the movements of the alimentary canal; the effects of electrolytes on the rhythmic contractions of the isolated mammalian intestine. J. Physiol., Lond., 1927-28, 63: 97-106.—**Magee, H. E., & Southgate, B. A.** Influence on intestinal movements of electrolytes in the lumen of isolated segments. Ibid., 1929, 68: 67-79.—**Merklen, L., & Vidacovich, M.** Vagotonine et motricité intestinale. C. rend. Soc. biol., 1933, 114: 1018-20.—**Morrison, J. L.** Effect of adsorbents on intestinal motility. Univ. California Pub., 1941-42, 2: Pharm., 83-8.—**Negroblov, A. I.** [Sur la restitution des contractions de l'intestin isolé qui suit les modifications chimiques rapides ou lentes du milieu] Mém. exp., Kharkov, 1937, 45-54. — **[Restitution des contractions de l'intestin isolé dans les conditions d'un retour à la norme inégalement rapide de la composition chimique du milieu]** Ibid., 61-70.—**Nisurura, T.** Ueber den Einfluss von Vitamin C und Vitamin B₁ auf die Darmbewegung des Kaninchens. Mitt. Med. Akad. Kioto, 1937, 21: 423.—**Nisikawa, T.** On the influences by some gases and drugs upon the tonus and peristalsis of the isolated intestines. Sei kai M. J., 1928, 47: 3.—**Pal, R. K., & Prasad, S.** The effects of some products of digestion and accessory substances on the rhythmic contractions of the isolated mammalian intestines. Ind. J. M. Res., 1935-36, 23: 515-23.—**Perazzo, G.** Sul meccanismo d'azione delle soluzioni ipertoniche di NaCl sulla peristalsi intestinale. Arch. ital. chir., 1937-38, 47: 163-88.—**Popov, N. A., & Khristoforov, I. D.** [Zur Physiologie und Pharmakologie der Darmbewegung nach Versuchen an chronisch operierten Tieren] J. Physiol. USSR, 1935, 18: 818-23.—**Quigley, J. P., & Highstone, W. H., & Ivy, A. C.** Action of morphine, papaverine, atropine, pilocarpine, pituitrin, picrocin and pitressin on intestinal propulsive activity determined in the unanesthetized dog by the Bolus method. J. Pharm. Exp. Ther., 1934, 51: 308-20.—**Reid, P. E.** Effect of hypertonic sodium chloride intravenously on intestinal peristalsis. Proc. Soc. Exp. Biol., N. Y., 1931, 29: 220-2.—**Rosenfeld, O. A.** [Effect of preparations (aqueous tincture and decoction) of Gnapthium arenarium on the motor function of the isolated intestine] Vrach. delo, 1939, 21: 129-36.—**Salomón, H.** La influencia de la vitamina B sobre la peristáltica intestinal. Rev. Soc. argent. biol., 1941, 17: 229-31.—**Sánchez de la Cuesta.** Acción de la eserina sobre la motilidad intestinal. Med. iber., 1934, 28: pt. 1, 735.—**Scartozzi, C.** Azione delle varie forme di anestesia sulla motilità dell'intestino tenue e del colon studiata in vivo. Clin. chir., Milano, 1937, 40: 191-8. — **Azione del bromuro di trimetilmetossipropenilammonio sulla motilità intestinale.** Minerva med., Tor., 1937, 28: pt. 2, 472-5.—**Schwartz, A. H., Reingold, I., & Necheles, H.** A study on the mechanism of action of prostigmine on intestinal motility in the human being and in the dog. Surgery, 1942, 11: 746-50.—**Sohma, T., & Tunoda, E.** Beitrag zur Erforschung der Farbstoffwirkung; über den Einfluss der intraintestinalen Infusion der organischen Farbstoffe auf die Darmbewegung. Mitt. Med. Akad. Kioto, 1934, 12: 605-14.—**Sollmann, T., von Oettingen, W. F., & Isikawa, Y.** The effects of phosphate buffers on intestinal movements, and their interrelation with calcium. Am. J. Physiol., 1928, 87: 293-304.—**Sone, Y.** Ueber die Wirkung verschiedener Stomachica auf den motorischen Zustand des Darmes. Tohoku J. Exp. M., 1936-37, 30: 410-7. — **&**

Hitati, S. Ueber die Wirkung einiger ätherischer Öle auf den motorischen Zustand des Darmes. *Ibid.*, 540-5.—**Straub, W., & Muñoz Fernández, E.** Studien über Darmmotilität; Totalanalyse der Alkaloide der Atropingruppe. *Arch. exp. Path.*, Berl., 1933, 170: 26-38.—**Suenaga, T., Kojima, K., & Imamura, J.** Experimentelle Untersuchung über den Einfluss der Veränderung des Innendrucks von Carotissinus auf die Darmmotilität. *Jap. J. M. Sc.*, 1940, 13: Proc. Pharm., 43-5.—**Suzuki, M., & Miyamoto, K.** An observation on effects of formaldehyde and vitamin B₁ upon intestinal contractions due to anaphylaxis, histamine and other substances. *Sei i kai*, 1940, 59: No. 5, 1-13.—**Tani, R.** Ueber die Wirkung der arsenigen Säure und verschiedener Salvarsanpräparate auf die Darmbewegung des Kaninchens; versuche am lebenden Darm. *Jap. J. M. Sc.*, 1934-35, 8: H. 3, Pharm., 105.—**Velasco y Castellanos, R. de.** Doce trabajos experimentales sobre el antagonismo farmacológico, desde el punto de vista de su acción sobre el peristaltismo intestinal, entre la adrenalina y la pilocarpina. *Crón. méd. quir. Habana*, 1927, 53: 111-7.—**Viale, C.** Acción del suero sobre el peristaltismo intestinal. *Rev. Soc. argent. biol.*, 1927, 3: 129-33.—**Vogel, K.** Die Massnahmen zur Anregung der Peristaltik. *Erg. Chir. Orthop.*, 1928, 21: 165-91. Also *Klin. Wschr.*, 1928, 7: 1695-8.—**Wang, T. H.** On the influence of various mucilages on intestinal movements and on actions of various medicaments. *J. Orient. M.*, Dairen, 1937, 26: 52.—**Wastl, H.** Ueber den Einfluss von Hefe und Hefeeextrakten auf die Darmbewegungen (Versuche am isolierten Darm). *Biochem. Zschr.*, 1936, 284: 24-39.—**Yamawaki, H.** Ueber den Einfluss des Pikrotoxins auf die Darmbewegung des Kaninchens. *Mitt. Med. Akad. Kioto*, 1935, 14: 639-44.—**Ueber die kombinierte Wirkung des Adrenalins oder des Adrenalons mit Kokain auf die Darmbewegung des Kaninchens in situ.** *Ibid.*, 977-86.—**Die Wirkung der zentralen Erregungsmittel auf die Darmbewegung des Kaninchens.** *Ibid.*, 1267-79.—**Wirkung des Pantopons und des Pavinals auf die Darmbewegung des Kaninchens.** *Ibid.*, 1289-98.—**Youmans, W. B.** Similarity of effects of adrenalin and inhibitory sympthan on intestinal motility; sensitization by denervation. *Am. J. Physiol.*, 1938, 123: 424-31.—**Karstens, A. I., & Aumann, K. W.** Relation of the extrinsic nerves of the intestine to the inhibitory action of atropine and scopolamine on intestinal motility. *J. Pharm. Exp. Ther.*, 1943, 77: 266-73.—**Zuelzer, G.** Ueber ein neues, praktisches cholinerges, parenteral anzuwendendes Peristaltikhormon, das Perinkret. *Med. Klin.*, Berl., 1933, 29: 602-4.

Mucosa.

See also subheadings (Absorption; Chemistry; Extract; Histology)

STUTZ, G. *Ueber eosinophile Zellen in der Schleimhaut des Darmkanals. 36p. 8°. Bonn, 1895.

Billi, A. Permeabilità della mucosa intestinale in vitro. *Sperimentale*, 1927, 81: 253-64.—**Branisteanu, D., & Moiseu, C.** Sur l'étude radiologique de la muqueuse du gros intestin. *Presse méd.*, 1935, 43: 392-4.—**Drouet, P. L., & Florentin, P.** Recherches expérimentales sur l'effet des injections de sérum hétérologue sur la muqueuse intestinale, les follicules clos et l'appendice. *C. rend. Soc. biol.*, 1936, 122: 671-3.—**Flörey, H. W.** Observations on the functions of mucus and the early stages of bacterial invasion of the intestinal mucosa. *J. Path. Bact. Camb.*, 1933, 37: 283-9, pl.—**Gilbert, R., & Kadrnka, S.** Résultats cliniques de l'exploration radiologique du relief interne du gros intestin. *J. radiol. électr.*, 1933, 17: 401-27.—**Guénaux, G., & Vassel, P.** Les méthodes d'imprégnation de la muqueuse intestinale. *Bull. Soc. radiol. méd. France*, 1930, 18: 404-8.—**Györgyi, G.** L'importance diagnostique de l'examen du relief du gros intestin. *Rapp. Congr. internat. radiol.*, 1931, 3. Congr., 339-67.—**Jacobshagen, E.** Grundzüge des Innenreliefs vom Rumpfdarm der Wirbeltiere. *Anat. Anz.*, 1936-37, 83: 241-61.—**Kadrnka, S., & Audoud, R.** Observations radiologiques des mouvements propres de plis de la muqueuse au niveau du gros intestin. *Presse méd.*, 1933, 41: 1553-7. Also *J. radiol. électr.*, 1934, 18: 89.—**Kimpton, A. R., & Crane, D. R.** Heterotopic gastric mucosa and duplications of the intestinal tract. *Am. J. Surg.*, 1940, 49: 342-50.—**Knothe, W.** Schleimhautstudien am normalen und kranken Dickdarm. *Zschr. klin. Med.*, 1928, 108: 199-214.—**Ledoux-Lebard, R., & Garcia-Calderón, J.** Les techniques d'examen de la muqueuse du gros intestin. *J. radiol. électr.*, 1933, 17: 429-66. Also *Presse méd.*, 1933, 41: 1732.—**Lehmann, I.** Eigenartige Gefäßzeichnung im Schleimhautbild des Darmes. *Röntgenpraxis*, 1938, 10: 576.—**Levin, J. F., & Grinevich, D. A.** [Roentgenological investigation of the normal relief of the mucosa of the large intestine] *Vest. rentg.*, 1937, 18: 173-9.—**Magee, H. E., & Sen, K. C.** The influence of electrolytes on the function of the intestinal mucosa. *J. Physiol., Lond.*, 1932, 75: 433.—**Maissa, P. A.** Estudio radiológico de la mucosa intestinal. *Prensa méd. argent.*, 1934-35, 21: 255-60.—**Metabolism of intestinal mucosa.** *Annual Rep. Brit. Empire Cancer Campaign*, 1940, 17: 136-8.—**Monterosso, B.** Rinnoamento dell'epitelio e significato delle pieghe nella mucosa dell'intestino di *Balanus perforatus* Brugniere. *Arch. ital. anat.*, 1923, 20: 253-71, pl.—**Norsa, G.** La radiologia della mucosa dell'intestino crasso. *Gazz. osp.*, 1935, 56: 649-51.—**Olivet, J.** Hilft uns das sogenannte Schleimhautrelief des Darmes diagnostisch weiter? *Zschr. ärztl. Fortbild.*, 1932,

29: 686-90.—**Piccinino, G.** Il disegno di mucosa del grosso intestino in condizioni normali e patologiche. *Radiol. med.*, Milano, 1933, 20: 573-609.—**Riess, O., & Strauch, W.** Veränderungen des Mineralsalzgehaltes der Darmschleimhaut nach peroraler Verabreichung von Mineralwässern; Versuchs-methode nach Liesegang. *Kolloid Zschr.*, 1939, 89: 172-4, pl.—**Rosenberg, L. E.** Post-mortem autodigestion of the intestinal mucosa of the turkey. *Stain Techn.*, 1940, 15: 53-6.—**Savich, V. V.** [Specific irritability of the mucosa of the intestines] *Ark. biol. nauk*, 1936, 42: 181-5.—**Turró, R.** Acción bacteriolítica de la mucosa intestinal. *Tr. Soc. biol.*, Barcel., 1916, 4: 105.—**Weil, S. S.** [On the healing of defects of the mucous membrane of the intestine in experimental lesions of the solar plexus] *Ark. biol. nauk*, 1939, 56: 23-33.—**Witebsky, E., & Zeissig, A.** Zur serologischen Analyse der Schleimhaut des Intestinaltrakts. *Zschr. Immunforsch.*, 1932, 76: 266.

Musculature.

See also subheading Movement.

JIMÉNEZ PINOCHET, O. *Influencia de las hormonas sexuales sobre la sensibilidad de la fibra lisa intestinal ante los estímulos químico-fisiológicos [Chile] 24p. 25½cm. Santiago, 1940.

Alvarez, W. C., & Hosoi, K. The latent period of intestinal muscle. *Am. J. Physiol.*, 1929, 89: 201-12.—**Ascanio, H., & Alvarez, W. C.** Studies on the intestinal muscle of man. *Ibid.*, 90: 607-10.—**Baecker, R.** Ueber die Muscularis mucosae des menschlichen Darmes. *Zschr. mikr. anat. Forsch.*, 1933, 34: 313-29.—**Bargen, J. A., & Jackman, R. J.** The influence of papaverine on muscular tone of the intestinal tract. *Surg. Gyn. Obst.*, 1939, 68: 749.—**Baur.** Die physiologische Koordination von Ring- und Längsmuskulatur des isolierten Darmes und ihre Änderung durch darmwirksame Pharmaka. *Münch. med. Wschr.*, 1926, 73: 171.—**Bishop, G. H., & Kendall, A. I.** The effects of histamine, formaldehyde and anaphylaxis upon the responses to electrical stimulation of guinea-pig intestinal muscle; agents applied to serous aspect of intestine. *Am. J. Physiol.*, 1928, 85: 516-60.—**Borgh, B., & Calcina, M.** L'azione di alcune sostanze ricavate da autolisi batterici sulla muscolatura liscia intestinale. *Arch. Ist. biochim. ital.*, 1934, 6: 343-50, pl.—**Braune, B.** Ueber die Beziehung der Motilität und Irritabilität der glatten Muskulatur im Intestinaltraktus zu den Doglienschen intramuralen Ganglienzelltypen. *Jahrb. Kinderh.*, 1935, 3. F., 94: 164-71, tab.—**Chung, I. C.** Ueber die Entwicklung der quergestreiften Muskulatur im Darm. *J. Severeance Union M. Coll.*, 1935-37, 3: 63-73, 2 pl.—**Cowie, D. M., & Lashmet, F. H.** Studies on the function of the intestinal musculature; longitudinal muscle of the rabbit; analysis of curves produced by contraction of excised segments in oxygenated Locke's solution. *Am. J. Physiol.*, 1929, 88: 369-85.—**Parsons, J. P.** Studies on the function of the intestinal musculature; longitudinal muscle of the rabbit (gradients) *Ibid.*, 363-8.—**Demor, J.** Le travail automatique des muscles de l'intestin du chat. *Ann. physiol. Par.*, 1934, 10: 978-85. Also *Arch. internat. physiol. Liège*, 1934, 39: 50-97. Also *Bull. Acad. méd. Belgique*, 1934, 5. ser., 14: 244-66.—**Les substances actives du travail automatique de l'intestin.** *Ibid.*, 1935, 5. ser., 15: 357-90.—**Le mécanisme humoral du travail automatique de l'intestin.** *Arch. internat. physiol. Liège*, 1935-36, 42: 425-60.—**Donatelli, L.** Appunti critici alla farmacologia della muscolatura liscia intestinale. *Rass. fisiopat.*, 1937, 9: 97-105.—**Esveld, L. W. van.** Comportement de préparation de muscle intestinal avec et sans réseaux nerveux. *Arch. néerl. physiol.*, 1927, 12: 303-6.—**[Behavior of plexus-containing and plexus-free preparations of intestinal muscle]** *Ned. tschr. geneesk.*, 1927, 71: pt 1, 1003-5. Also *Arch. exp. Path.*, 1928, 134: 347-86.—**Farah, A., & Pinkston, J. O.** Responses of intestinal smooth muscle of the dog to benzedrine sulphate (phenyl-1, amino-2 propane sulphate) *J. Pharm. Exp. Ther.*, 1940, 68: 14-21.—**Favilli, N.** Contributo allo studio della lamina muscularis mucosae nell'intestino di alcune specie di vertebrati domestici. *Arch. ital. anat.*, 1933-34, 31: 169-91.—**Frey.** Versuche an der quergestreiften Darmmuskulatur. *Arch. exp. Path.*, 1928, 138: 141.—**Harting, K.** Kurze Mitteilung zur Arbeit von Bernhard Braune: Ueber die Beziehung der Motilität und Irritabilität der glatten Muskulatur im Intestinaltraktus zu den Doglienschen intramuralen Ganglienzelltypen. *Jahrb. Kinderh.*, 1935, 3. F., 95: 167-9.—**Hockett, A. J.** Reciprocal activity of the muscle coats of guinea pig intestine. *Proc. Soc. Exp. Biol., N. Y.*, 1928-29, 26: 813.—**Thienes, C. H.** The reciprocal activity of the muscle coats of guinea pig intestine. *Abstr. Internat. Physiol. Congr.*, 1929, 13. Congr., 125.—**Jendrassik, L., & Donhoff, S.** Ueber die Calciumaufnahme der Darmmuskulatur während Adrenalinwirkung. *Biochem. Zschr.*, 1928, 201: 199-205.—**Kendall, A. I., & Bishop, G. H.** Effects of histamine, formaldehyde and anaphylaxis upon the response to electrical stimulation of guinea-pig intestinal muscle; agents applied to mucosal aspect of intestine. *Am. J. Physiol.*, 1928, 84: 501-8.—**Koshloians, K. H. S., Muzikantov, A. V., & Mitropolitova, R. L.** [Comparative physiology of the smooth muscles of the intestinal tract; physiological character of the smooth musculature of the intestine of amphibia during various periods of its indi-

vidual development] *J. Physiol. USSR*, 1934, 17: 527-34.—**Kovács, E.** [Musculature of mucous membrane of the intestinal tract] *Gyógyászat*, 1933, 73: 131-4.—**Lord, S. N.** Pharmacological studies on intestinal muscle. Collect. Papers N. York Homeop. M. College, 1935, 1: 445-51.—**Morin, G.** Période latente du muscle circulaire entérique de la grenouille soumise à l'excitation galvanique. *C. rend. Soc. biol.*, 1930, 105: 650-2.—**Nicoli, L.** Sullo sviluppo della muscolatura del grosso intestino nell'uomo con speciale riguardo alle tenie e ai vasi. *Bol. Soc. ital. biol. sper.*, 1928, 3: 210.—**Pierini, A.** Acción del cloruro de sodio sobre la fibra lisa intestinal. *Sem. méd., B. Air.*, 1932, 39: pt 2, 1286-90.—**Prasad, B. N.** The mechanical activity of gut muscle under anaerobic conditions. *J. Physiol., Lond.*, 1935, 85: 249-66.

— Musculature: Disorder.

Helmke, K. Degenerationen der glatten Muskulatur des Darmkanals. *Virchows Arch.*, 1935-36, 296: 192-9.—**Müller-Deham, A., & Reich, L.** Folgeerscheinungen nach Darmmuskulung; neue Versuche und Röntgenkontrolle. *Wien. Arch. inn. Med.*, 1929-30, 19: 489-504.—**Prasad, B. N.** The response to drugs of gut muscle in asphyxia and in iodoacetic acid poisoning. *J. Physiol., Lond.*, 1936, 86: 425-30.—**Undritsov, M. I.** [Certain laws in sensitization of the smooth muscles of the intestine] *Biull. eksp. biol. med.*, 1939, 7: 474-7; 1940, 10: 31-4. — Some observations on anaphylactization of smooth musculature of the intestine. *Bull. biol. méd. exp. URSS*, 1939, 8: 81-4.—**Zikeev, V. V.** [Congenital defects of the intestinal muscles and their clinical importance] *Sovet. klin.*, 1931, 15: 206-12.

— Mycosis.

See also subheadings (Actinomycosis; Parasites)

Nye, R. N., Zerfas, L. G., & Cornwell, M. A. The pathogenicity of yeastlike fungi isolated from the human gastrointestinal tract. *Am. J. M. Sc.*, 1929, 178: 515-28, 3 pl.—**Reed, A. C., & Johnstone, H. G.** A clinical study of intestinal fungi. *Am. J. Trop. M.*, 1935, 15: 155-74.

— Myiasis.

Razon, J. *De la myiase intestinale. 106p. 8° Lyon, 1910.

Bacigalupo, J., Pérez Vuidepot, C., & Didiego, E. P. Primera observación argentina de miiasis intestinal por *Eristalis tenax* L. *Sem. méd., B. Air.*, 1941, 48: pt 2, 555.—**Bellomo, A.** Darmmyiasis. *Schweiz. med. Wschr.*, 1942, 72: 1086 (Abstr).—**Blankmeyer, H. C.** Intestinal myiasis; with report of case. *J. Am. M. Ass.*, 1914, 63: 321.—**Brand, A. F.** Gastro-intestinal myiasis; report of a case. *Arch. Int. M.*, 1931, 47: 149-54.—**Carpi, U.** Sopra un caso di miiasis intestinale nell'uomo. *Clin. med. ital.*, 1905, 44: 265-83.—**Causey, O. R.** Experimental intestinal myiasis. *Am. J. Hyg.*, 1938, 28: 481-6.—**Cipollone, L. T.** La miiasis intestinale e cutanea e la possibile riproduzione per pedogenesi delle larve di mosca. *Ann. med. nav., Roma*, 1914, 2: 62.—**Cockayne, E. A.** Intestinal myiasis. *Lancet, Lond.*, 1912, 1: 155-7.—**Cookson, H. A., & Oldroyd, H.** Intestinal infestation by larvae of a drone fly. *Ibid.*, 1937, 2: 804.—**Deaderick, W. H.** Notes on intestinal myiasis. *Arch. Schiffs Tropenhyg.*, 1908, 12: 726-9. Also *N. Orleans M. & S. J.*, 1908-9, 61: 247-51.—**Dombrey, P., & Lienhart, R.** Remarques biologiques à propos d'un cas de pseudo-myiasis intestinale chez l'homme. *C. rend. Soc. biol.*, 1937, 126: 342-4.—**Fonso Gandolfo, C., & Steinberg, I. R.** Miiasis intestinal. In *Clin. enferm. infec.* (Fonso Gandolfo, C.) 2. ed., *B. Air.*, 1939, 2: 634.—**Franchini, G.** Un nuovo caso di miiasis intestinale. *Riforma med.*, 1927, 43: 102.—**François.** Note sur l'existence, pendant plusieurs mois, de larves d'une espèce particulière de mouche dans les voies digestives d'une jeune femme. *Presse méd. belges*, 1861, 13: 333.—**Garrood, J. R.** Note on a case of intestinal myiasis. *Parasitology, Cambr.*, 1910, 3: 315-8.—**Guerricchio, A.** Un caso di miiasis intestinale. *Arch. ital. sc. med. col.*, 1927, 8: 327-9.—**Gulart, J.** Parasitisme des larves d'Anthomyes dans le tube digestif de l'homme. *Lyon méd.*, 1909, 112: 1351-4.—**Haas, W. H. D.** de [Intestinal myiasis] *Ned. tschr. geneesk.*, 1935, 79: 5242-5.—**Hermes, W. B., & Gilbert, O. O.** An obstinate case of intestinal myiasis. *Ann. Int. M.*, 1932, 6: 941-5.—**Kampmeier, R. H., & Hinman, E. H.** Mite infestation in the human intestine. *South. M. J.*, 1934, 27: 271-4.—**Lotado, G.** L'uso del latte acido indigeno, quale causa di miiasis intestinale a Gadamés. *Arch. ital. sc. med. col.*, 1927, 8: 393-5.—**Lyon, M. W., & Mizelle, J. D.** A case of intestinal myiasis. *J. Parasit., Lancaster*, 1941, 27: No. 6, Suppl., 25.—**Massalongo, R.** Sulla miiasis intestinale. *Lav. Congr. med. int.* (1912) 1913, 22: 526.—**Meleney, H. E., & Harwood, P. D.** Human intestinal myiasis due to the larvae of the soldier fly, *Hermetia illucens* Linne (Diptera, Stratiomyidae). *Am. J. Trop. M.*, 1935, 15: 45-9.—**Mouchet, R.** Myase intestinale chez l'homme. *Bull. Soc. path. exot.*, *Par.*, 1912, 5: 508-11, pl.—**Myiasis intestinalis.** *Med. Klin., Berl.*, 1940, 36: 1296.—**Okada, J. K.** Un cas nouveau de myiase du tube digestif cause par la larve de *Psychoda B. punctata* Curt. *Ann. parasit., Par.*, 1927, 5: 105.—**Rennie, J.** A case of intestinal myiasis in a breast-fed infant. *Parasitology, Lond.*, 1927, 19: 139.—**Schweitz, J.** Sur un cas de myiase intestinale provoquée par les larves de *Chrysomya putoria*, Wied. *Ann.*

Soc. belge méd. trop., 1934, 14: 469-71.—**Shrewsbury, J. F. D.** A case of human intestinal myiasis. *Brit. M. J.*, 1930, 2: 1043, pl.—**Sorel, F.** Cas de myiase intestinale simulant une maladie typhoïde. *Bull. Soc. path. exot., Par.*, 1908, 1: 374-7.—**Strickland, C., & Roy, D. N.** Experimental intestinal myiasis. *Ind. J. M. Res.*, 1940, 28: 593.—**Travella & Barralt.** A propósito de un caso de miiasis intestinal. *Sem. méd., B. Air.*, 1929, 36: pt 1, 1569.—**Wildervanck, L. S.** [Intestinal infection caused by larvae of *Sarcophaga haemorrhoidalis* in a child (myiasis intestinalis)] *Ned. tschr. geneesk.*, 1939, 83: 756-60.

— Myoma.

CANONNE, M. E. *Les myomes intestinaux localisés et la myomatose généralisée du gros intestin. 100p. 8° Par., 1930.

Botstiber, G. Ein Fall von Darmmyom mit Perforation. *Wien. klin. Wschr.*, 1927, 40: 674-8.—**Canonne, M.** Un cas de myomatose généralisée du gros intestin. *Rev. chir., Par.*, 1930, 68: 391-403, 4 pl.—**Filippini, G.** Contributo allo studio della leiomiomatosis intestinale. *Arch. Soc. ital. chir.*, 1933, 39: 1116-27.—**Kröber, F.** Ein Fall von Darmmyom bei einem zweijährigen Negerkinde. *Deut. med. Wschr.*, 1934, 60: 522.—**Paroli, G.** Sui leiomiomi dell'intestino, con particolare riguardo alla loro sede endopelvica nella donna ed all'errore diagnostico con tumori genitali. *Osp. maggiore Novara*, 1937, 14: 87-102.—**Plenk, A.** Zur Kasuistik und Klinik der Darmmyome. *Wien. klin. Wschr.*, 1927, 40: 556-8.—**Schaanning, C. K.** [Adenomyomata in the intestinal tract] *Med. rev., Bergen*, 1931, 48: 289-302.—**Szeczey, L.** [Myoma of the digestive tract] *Orv. hetil.*, 1927, 71: 876-8.—**Totire-Ippoliti, P.** Leiomioma dell'intestino nel gatto. *Arch. sc. med., Tor.*, 1927, 49: 468-71.—**Wolfer, J. A.** Leiomyomata of the intestines. *Surg. Gyn. Obst.*, 1928, 47: 643-51.

— Nerves.

See also Intestinal juice, Secretion; Intestine, Pharmacology.

KALOMIRIS, D. *L'action sur l'intestin isolé du sérum normal ou pathologique dans ses rapports avec l'équilibre neuro-végétatif. 58p. 8° Par., 1927.

Abraham, A. Beiträge zur Kenntnis der Innervation des Vogeldarmes. *Zschr. Zellforsch.*, 1935-36, 23: 737-45.—**Altshul, A. S.** [Morphology of the sensitive nerve terminals of the intestinal tract in mammals] *Biull. eksp. biol. med.*, 1940, 10: 21-3.—**Alvarez, W. C.** Anoxemia used as a means of analyzing the structure and functions of the nervous system of the bowel. *Am. J. Digest. Dis.*, 1937-38, 4: 550-61.—**Beauvallet, M.** L'automatisme de l'intestin d'escargot. *C. rend. Soc. biol.*, 1937, 125: 959-61. — Les nerfs viscéraux se rendant à l'intestin d'escargot agissent-ils par libération d'un médiateur chimique? *Ann. physiol., Par.*, 1938, 14: 480.—**Bouisset, L., & Fabre, P.** Action du chlorure de sodium hypertonique sur l'innervation extrinsèque de l'intestin; effets sur le sympathique. *C. rend. Soc. biol.*, 1931, 107: 688-92.—**Cambier, P.** Effets des excitations du vague et du splanchnique sur l'intestin strychninisé. *Ibid.*, 1926, 95: 227-9.—**Carlson, A. J.** The extrinsic nervous control of the large bowel. *J. Am. M. Ass.*, 1930, 94: 78.—**Carnett, J. B.** The acquired sensory nerves of the colon and duodenum. *Surg. Clin. N. America*, 1927, 7: 255-9.—**Chauchard, P.** Variations d'excitabilité de l'intestin et de ses nerfs extrinsèques sous l'effet de divers agents pharmacologiques. *C. rend. Soc. biol.*, 1938, 127: 181-3.—**Chauchard, A., & Chauchard, B.** Analyse chronaximétrique de l'excitabilité de l'intestin et de ses nerfs extrinsèques chez le chien. *Ibid.*, 1937-38, 126: 177-80.—**Costantini, A., & Almeida, F. de.** Pesquisas sobre a acção do sistema nervoso vegetativo no peristaltismo intestinal. *Arq. anat., Lisb.*, 1937, 18: 453-7.—**Demoor, J.** L'automatisme de l'intestin. *Arch. internat. physiol., Liège*, 1931, 34: 380-416. Also *Bull. Acad. méd. Belgique*, 1931, 5. ser., 11: 221-62.—**Esveld, L. W. van.** On the presence of ganglion-cells in the circular muscle of the intestine of the cat (prelim. commun.). *Proc. Akad. wet. Amsterdam*, 1926, 29: sect. sc., 178-84. — [Preliminary report on occurrence of ganglionic cells in the circular muscle layer of the intestinal walls of the cat] *Versl. Akad. wet. Amsterdam*, 1925, 34: pt 2, 1104-10. — Bewegungen, pharmacologische Reaktionen und Färbbarkeit des Nervensystems beim absterbenden isolierten Darm. *Arch. exp. Path., Lpz.*, 1928, 128: Suppl., 116-8.—**Finkelman, B.** On the nature of inhibition in the intestine. *J. Physiol., Lond.*, 1930-31, 70: 145-57.—**Florin, K.** Automatisme et inhibition au niveau de l'intestin terminal, chez la grenouille. *Arch. internat. physiol., Liège*, 1938-39, 30: 73-6.—**Garry, R. C.** The nervous control of the caudal region of the large bowel in the cat. *J. Physiol., Lond.*, 1933, 77: 422-31.—**Gelhorn, E., & Northrup, D.** The influence of nervous stimulation on absorption from the intestine; a contribution to the humoral theory of nervous action. *Am. J. Physiol.*, 1933, 106: 283-90.—**Ito, T., & Nagahiro, K.** Zytologische Untersuchungen über die intramuralen Ganglienzellen des Verdauungstraktes; über die Ganglienzellen der Darmwand der Ratte, mit besonderer Berücksichtigung auf die Sekretkörnern ähnlichen Granula in den intramuralen Ganglienzellen. *Okajimas fol. anat.*, 1937, 15: 609-31, 2 pl.—**Kondratiev, N.** Zur Lehre von der Innervation der Bauch- und Becken-

ashleorgane beim Menschen; über intramurale nervöse Wechselbeziehungen im Menschendarm. Zschr. ges. Anat., 1. Abt., 1930, 93: 775-89. — [On the innervation of the gastrointestinal tract in man; intramural nervous system of the intestinal tube in man] J. méd., Kiev, 1941, 11: 227-38, 10 pl. — **Lawson, H.** Further notes on enterographic technique; with special reference to the study of innervation. J. Lab. Clin. M., 1934-35, 20: 496-8. — The distribution of excitation and inhibition following sympathetic stimulation of the large intestine. Am. J. Physiol., 1935, 111: 209-22. — & **Holt, J. P.** The control of the large intestine by the decentralized inferior mesenteric ganglion. Ibid., 1937, 118: 780-5. — **Leontovich, O. V.** [Data on innervation of the intestinal tract during supravital staining and its comparison with innervation of the blood vessels] J. méd., Kiev, 1937, 7: 347-55, 4 pl. — **Lindblom, C. O.** Action de la cocaïne sur l'innervation autonome de l'intestin. C. rend. Soc. biol., 1926, 95: 1072-4. — **Loutsch, H., & Unger, G.** Sur certaines conditions dans lesquelles le sympathique devient le nerf moteur de l'intestin. Ibid., 1934, 115: 808-10. — **Margorin, E. M.** [Plexus mesentericus inferior and innervation of distal part of the large intestine] Vest. khir., 1931, 23: 145-56. — **Masserman, J. H., & Haertig, E. W.** The influence of hypothalamic stimulation on intestinal activity. J. Neurophysiol., 1938, 1: 350-6. — **Morachevskaja, E. V.** [Motor innervation of the intestine] J. Physiol., USSR, 1941, 30: 688-93. — **Morin, G.** Les nerfs moteurs extrinsèques de l'intestin; données physiologiques et problèmes histophysiol. Bull. histol. appl., Par., 1931, 8: 38-51. — **Newman, M., & Thienes, C. H.** On the sympathetic innervation of guinea-pig intestine. Am. J. Physiol., 1933, 104: 113-16. — **Nolf, P.** Le système nerveux entérique; essai d'analyse par la méthode à la nicotine de Langley. Arch. internat. physiol., Liège, 1928-29, 39: 317-492. — Le système nerveux entérique. Bruxelles méd., 1928-29, 9: Suppl., 61. — Les nerfs moteurs de l'intestin de l'oiseau. Ann. physiol., Par., 1933, 9: 831-6. — Les nerfs extrinsèques de l'intestin chez l'oiseau. Arch. internat. physiol., Liège, 1934, 39: 113-256. — **Oshima.** Ueber die Innervation des Darmes. Zschr. ges. Anat., 1. Abt., 1929, 90: 725-67. — **Pieri, G.** Contributi clinici alla chirurgia del sistema nervoso vegetativo: chirurgia della innervazione intestinale. Arch. ital. chir., 1935, 39: 514-608. — **Piéron, H.** L'interprétation des retards réductibles de latence sensorielle en fonction des intensités, pour les stimulations brèves. C. rend. Soc. biol., 1932, 111: 587. — **Reiser, K. A.** Ueber die Nerven der Darmmuskulatur. Zschr. Zellforsch., 1934-35, 22: 675-93. — **Sakurai, T.** On the innervation of the intestine of a toad; stimulation experiment. Jap. J. M. Sc., 1939, 6: Biophys., 55-71. — **Savich, V. V., Gorbunova-Nikolaeva, M. M.** [et al.] [Pharmacological analysis of the central regulation of intestinal secretion and motility] Sborn. Vsesoiuz. sezd. fiziol., 1937, 6. Congr., 627-30. — **Schabadash, A.** Intramurale Nervengeflechte des Darmrohrs. Zschr. Zellforsch., 1929-30, 10: 320-85. — **Seiler, A.** Untersuchungen über Automatie und Erregbarkeit des überlebenden Säugtierdarmes bei Sauerstoffmangel. Zschr. Biol., 1928-29, 88: 63-75. — **Simard, L. C.** Sur la présence de cellules argentaffines dans les nerfs de l'intestin du phoque. Tr. R. Soc. Canada, 1933, 3. ser., 27: sect. 5, 97. pl. — Sur les relations des cellules argentaffines de l'intestin avec les nerfs du plexus péri-glandulaire. Ibid., sect. 5, 99. pl. — Sur les relations des cellules argentaffines de l'intestin avec les nerfs. C. rend. Soc. biol., 1932, 111: 766-8. — Sur les relations des cellules argentaffines de l'intestin avec les nerfs chez l'embryon de veau. Arch. anat. micr., Par., 1934, 30: 235-48. — **Sowayo, R.** Beiträge zur Pharmakologie der Darmwandnervenzellen. Jap. J. M. Sc., 1934-35, 8: H. 3, Pharm., 104. — **Stefanelli, A.** Sul sistema nervoso intestinale dei Limax (cellule nervose con più cilindri e ci cento nervo chiuso). Arch. ital. anat., 1932-33, 30: 17, 4 pl. — **Szantoch, Z.** Morphologie des Darmnerven beim Hühnchen. Bull. internat. Acad. polon. sc. Cracovie, 1927, se nat., 211 81, 5 pl. — Ueber den feineren Bau der Ganglienknoten des Remaksehen Darmnerven. Zschr. Zellforsch., 1933, 20: 417-22. — **Tournade, A.** Excitation du vague et inhibition intestinale. C. rend. Soc. biol., 1936, 121: 352. — **Tröstlitzky, M. M.** Zur Frage des Baues der sympathischen Ganglien des Darmgeflechtes. Zschr. Zellforsch., 1928-29, 8: 453-69. — **Van Campenhout, E.** Further experiments on the origin of the enteric nervous system in the chick. Physiol. Zool., 1932, 5: 333-53. — **Weber, P.** Ueber die Einwirkung von Digitalis und Strophantin auf die parasympathische Reizbarkeit des Darmes. Skand. Arch. Physiol., Lpz., 1929, 55: 111-30. — **Yumans, W. B., Meek, W. J., & Herrin, R. C.** Extrinsic and intrinsic pathways concerned with intestinal inhibition during intestinal distention. Am. J. Physiol., 1938, 124: 470-7.

— Nerves: Disorder.

Dimitriu, V. [Sympathetic innervation of the large intestine with special regard to the sympathetic nerve in colitis] Spitalul, 1930, 50: 8-15. — **Gubergritz, M.** Darmneurosen. Arch. Verdauungskr., 1928, 44: 1-22. — **Hess, L., & Faltischek, J.** Anatomische befunde bei Innervationsstörungen des Darmtraktes (zugleich ein Beitrag zur Pathologie des viszeralen Nervensystems) Wien. klin. Wschr., 1933, 46: 613-6. — **Rake, A. T.** Aehalasia and degeneration of Auerbach's plexus. Proc. R. Soc. M., Lond., 1927-28, 21: Sect. Lar. Otol., 77-9.

— Nerves: Myenteric plexus of Auerbach.

Bacsch, P. Nerve cells in the myenteric plexus of the teneb. J. Anat., Lond., 1941-42, 76: 224. — **Boeke, J.** Innervations-

studien; der sympathische Darmplexus (Plexus entericus) von Amphioxus lanceolatus und die Bedeutung der interstitiellen Zellen und der Synapsen für den sympathischen Grundplexus. Zschr. mikr. anat. Forsch., 1935, 38: 551-93. — **Cole, E. C.** Notes on the extent and the organization of the myenteric plexus in the frog. J. Comp. Neur., 1926 27, 41: 311 5, pl. — **Dickinson, G. K.** The myenteric nerve; a discussion. J. Am. M. Ass., 1920, 74: 142 5. — **Hill, C. J.** A contribution to our knowledge of the enteric plexuses. Philos. Tr. R. Soc. London, 1927, ser. B, 215: 355-87, 8 pl. — **Inokuti, T.** Pharmakologische Wirkung des Atropins auf den Kaninchendarm mit besonderer Berücksichtigung des Auerbach-Plexus; Versuch am überlebenden Kaninchendarm. Mitt. Med. Akad. Kioto, 1939, 26: 1018. — Pharmakologische Wirkung des Strychnins auf den Kaninchendarm mit besonderer Berücksichtigung des Auerbachschen Plexus. Ibid., 1934, 1. — **Irwin, D. A.** The anatomy of Auerbach's plexus. Am. J. Anat., 1931, 49: 141-66. — **Johnson, S. E., & Palmer, M.** Further observations on the components of the myenteric plexus. J. Comp. Neur., 1931, 53: 169-75. — **Kikuti, I.** Die lähmende Wirkung des Magnesiumsalses auf den Auerbach'schen Plexus. Tohoku J. Exp. M., 1928, 10: 586-90. — **Kirtisinghe, P.** The myenteric nerve-plexus in some lower chordates. Q. J. Mier. Sc., Lond., 1938 39, 81: 521 39. — **Matuo, H.** A contribution on the anatomy of Auerbach's plexus. Jap. J. M. Sc., 1933-34, 4: Anat., 417 28. — **Morin, G.** Sur la disposition du collagène dans le plexus d'Auerbach; capsules périganglionnaires et capsules périmédonales. Bull. histol. appl., Par., 1929, 6: 400-11. — **Ottaviani, G.** Contributo alla conoscenza delle guaine linfathe del plesso di Auerbach. Ricr. morf., 1934, 14: 363 84, pl. — **Palumbi, G.** Differenti aspetti del plesso di Auerbach in ragione dei vari segmenti dell'intestino umano. Ibid., 1933, 13: 537-91. — **Yosizumi, Y.** Ueber die Beziehungen des Auerbach'schen Plexus zur Peristaltik. Fukuoka acta med., 1929, 22: 86-8.

— Nerves: Reflexes.

Chang, P., & Hsu, F. The localization of the intestinal inhibitory reflex arc. Q. J. Exp. Physiol., Lond., 1941 42, 31: 311-8. — **Fleisch, A.** Der Verkürzungsreflex des Darmes. Arch. ges. Physiol., 1928, 220: 512-23. — **Goncharov, P. P.** [Variability of respiration and blood circulation in visceral reflexes from the intestines] Bull. eksp. biol. med., 1941, 11: 144-6. Also Klin. med., Moskva, 1941, 19: No. 5, 36-43. — **Hermann, H., & Morin, G.** Mise en évidence d'un réflexe inhibiteur intestino-intestinal. C. rend. Soc. biol., 1934, 115: 529-31. — **Tournade, A., Malméjac, J., & Rocchisani, L.** Sur la localisation bulbaire du centre réflexe intestino-moteur. Ibid., 1933, 113: 60-5.

— Occlusion.

See also subheadings (Abnormity; Adhesion; Cancer; Endometriosis; Strangulation; Volvulus) also Ileus.

Alexander, R. E. The X-ray diagnosis of intestinal obstruction. Med. Bull. Veterans Admin., 1942-43, 19: 318. — **Barthélemy, M.** Diagnostic de l'occlusion intestinale. Rev. méd. est, 1934, 62: 397-406. — **Cain, A., & Meyer, A.** Le diagnostic des obstructions du gros intestin par l'examen radiologique direct et sans préparation. Rev. méd. fr., 1932, 13: 235-43. — **Cieza Rodríguez, M., & Bach, E. V.** Obstrucción intestinal por quiste hidatídico. Prensa méd. argent., 1938, 25: 181-5. — **Didier, R., Thoyer-Rozat, P., & Codet, P. H.** A propos de la radiographie abdominale sans préparation dans un cas d'occlusion aiguë. Bull. Soc. radiol. méd. France, 1936, 24: 539-41. — **Ferreira, J. A.** Obstrucción intestinal; contribución al diagnóstico radiológico; comunicación previa. Sem. méd., R. Air., 1942, 49: pt 2, 690. — **González Márrol, D.** Oclusión intestinal aguda por adenoma (endometrioma) del espacio recto-vaginal. Rev. méd. cubana, 1935, 46: 289-95. — **Graham, R. R.** The influence of experimental study on clinical practice in intestinal obstruction. Week. Bull. Jackson Co. M. Soc., 1942-43, 37: 869; passim. — **Intestinal obstruction in a newborn infant.** N. England J. M., 1943, 228: 525. — **Kirkpatrick, W. D.** Mesenteric lymphadenitis in relation to intestinal obstruction. West. J. Surg., 1938, 46: 317-20. — **Levine, V.** Intestinal obstruction from a mobilized lipoma. In Path. Conf. (Jaffé, R. H.) Chic., 1940, 895. — **Moise, C. G.** [Rare case of acute intestinal occlusion caused by a transmesocolic hernia] Spitalul, 1938, 58: 345-8. — **Morris, J. H., & Johnson, V. S.** Ileitis as an etiologic factor in acute intestinal obstruction. Surgery, 1937, 1: 903-19. — **Mortality summary for U. S. registration states; hernia and intestinal obstruction.** Vital Statist. Spec. Rep. U. S. Bur. Census, 1942, 16: 137-40. — **Moulouguet, P., & Roussel, J.** La radiographie abdominale sans préparation dans l'occlusion intestinale aiguë. Bull. Soc. nat. chir., Par., 1934, 60: 1405-12. — **O'Bannon, R. P.** Intestinal obstruction in the newborn. Texas J. M., 1942-43, 33: 728 30. — **Piédclèvre & Dérobert.** Deux cas d'occlusion intestinale. Ann. méd. l'ég., 1935, 15: 925-8. — **Simard, R., & Laberge, A.** Occlusion intestinale et grossesse normale. Union méd. Canada 1912, 71: 1322. — **Spangler, C. C.** Hodgkin's disease of the intestine producing intestinal obstruction. Am. J. Surg., 1940, 49: 121-3. — **Stadler, H.** The preeminent importance of clinical signs in the diagnosis of intestinal obstruction in early infancy. J. Am. M. Ass., 1942, 120: 1381. — **Takata, S.** Blut- und Harnindikan und Darmverschluss. J. Chosen M. Ass., 1938, 28: 5. — **Wakley, C. P. G.** A rare case of intestinal obstruction. Brit. J. Surg.,

1926-27, 14: 525.—Weber, E. Occlusion intestinale provoquée par un grand fibrome calcifié. Bull. Soc. obst. gyn. Paris, 1926, 15: 523.—Yannicelli, R. B. La occlusión intestinal en el recién nacido y el lactante; algunos aspectos clínicos y radiológicos Arch. pediat. Uruguay, 1940, 11: 705-33.

Occlusion; Treatment.

See also Ileus; Treatment; Intestine, Intubation.

Elman, R. The danger of sudden deflation of acutely distended bowel in late low intestinal obstruction. Am. J. Surg., 1934, 26: 438-46.—Glenn, P. M. Intestinal obstruction; results of treatment with the use of intestinal intubation. Clin. Bull. School M. Western Reserve Univ., 1940, 4: 94-7.—Kirk, R. D., jr. Modern trends in the treatment of acute intestinal obstruction. Mississippi Doctor, 1942-43, 20: 322-4.—Papp, J., & Tepperberg, K. Kochsalzbehandlung in der Chirurgie bei akutem Darmverschluss. Chirurg, 1936, 8: 445-9.—Tavernier, Treatment des occlusions postopératoires récentes. Lyon chir., 1939, 36: 248-55.—Zuckermann, C. Prevención y tratamiento de las occlusiones intestinales postoperatorias. Rev. mex. cir., 1942, 10: 247-53.

Pain.

See also Colic; also under names of primary diseases as Peptic ulcer; Tabes dorsalis, etc.

Brüning, F., & Gohrbandt, E. Ein experimenteller Beitrag zur Pathogenese der Schmerzen bei der Darmkolik. Beil. klin. Wschr., 1921, 58: 1431-3. — Ein Beitrag zur Pathogenese der Schmerzen bei der Darmkolik und zur Sensibilität der Darmwand. Zschr. ges. exp. Med., 1922, 29: 367-87. — Ein experimenteller Beweis für die Schmerzleitung durch den Sympathicus bei der Darmkolik. Klin. Wschr., 1922, 1: 1657. Also Zschr. ges. exp. Med., 1923, 36: 164-8.—Derch, y Marsal, F. Un caso de enteralgia periódica. Rev. homeop., Barcel., 1892, 3: 159-62.—Durand, G. Causalgie intestinale. In Année méd. prat., Par., 1939, 18: 242.—McDonald, Minsk [et al.] Colicky pain. Case Rep. Child. Mem. Hosp. Chicago, 1943, 2: No. 3, 5-7.—Rachet, J., & Arnous, J. La douleur intestinale. Paris méd., 1937, 103: 299-304.

Parasites.

See also subheadings (Actinomycosis; Bacteria; Helminthosis; Myiasis; Protozoa) also under names of intestinal parasites as Ascaris; Balantidium, etc.

VANNI, V. Le parassitosi intestinali. 191p. 19cm. Fir. [1939]

Allen, F. M. B. Intestinal parasites. Practitioner, Lond., 1935, 134: 502-12.—Althausen, A. J., Rosenfeld, O. A., & Perechik, R. M. [Double invasion: Opisthorchis felinus and Lambliia intestinalis] Vrach. delo, 1934, 17: 553-60.—Barilieri, M. J., & Castellino, M. D. Estadística comentada de la paratosis intestinal en el año 1937. Rev. méd. lat. amer., B. Air., 1938, 23: 1159-65.—Bates, T. H. Surgical conditions caused by intestinal parasites. J. Florida M. Ass., 1939-40, 26: 137-9.—Busch, P. W. C. M. Over de localisatie van het glycogeen bij eenige darmparasieten. Onderzoek. physiol. Lab. Utrecht, 1905, 5, r., 6: 72-89, 3 pl. Also Arch. internat. physiol., Liège, 1905-6, 3: 49-61, 3 pl.—Busse Grawitz, P. El médico frente a las paratosis intestinales. Día méd., B. Air., 1938, 10: 1321-3.—Castex, M. R., & Greenway, D. Paratose intestinale. C. rend. Soc. biol., 1926, 95: 1379-81. Also Rev. Soc. argent. biol., 1926, 2: 263-7.—Charles, E. Como se descarta el paratismo intestinal. Rev. méd. lat. amer., B. Air., 1928, 13: 1175-84.—Davison, H. M., Thoroughman, J. C., & Peschau, J. B. Intestinal infestations. J. S. Carolina M. Ass., 1941, 37: 294-7.—Delort. Parasites du colon. J. méd. Paris, 1930, 50: 595-600.—Deschiens, R. Chimisme gastrique et infections parasitaires du tube digestif. Ann. Inst. Pasteur, Par., 1929, 43: 1353-69.—Durán Jordá, F. Contribución al estudio del paratismo intestinal. Rev. méd. Barcelona, 1936, 25: 483-504.—Espíe, A. Note complémentaire sur un nouveau parasite intestinal humain de la Tunisie. Arch. Inst. Pasteur Tunis, 1931-32, 20: 73-6.—Faust, E. C. Intestinal parasitic infestations in children. J. Pediat., S. Louis, 1937, 10: 542-55.—Fernández, F. Paratismo intestinal chez les enfants sains. Arch. mal. app. digest., Par., 1936, 26: 665-73. — & Castilla, D. Paratismo intestinal en niños sanos. Arch. med., Madr., 1935, 38: 813-6.—Filipchenko, A. A. [Intestinal parasites and their significance] Sovet. vrach. gaz., 1932, 131-5.—González, J. F. Paratismo intestinal; concepto clínico y sanitario actual. Rev. med., Rosario, 1927, 2: 399-405.—Hendricks, W. G. Intestinal parasites. Clin. Osteopath., 1940, 36: 379-83.—Hernández Froment, A. Paratismo intestinal y su importancia en la clínica. Rev. san. mil., Habana, 1938, 2: 40-6.—Hopkins, E. G. A consideration of some intestinal diseases due to metazoan parasites. Richmond J. Pract., 1908, 22: 287-93. Also Gaillard's South, M., 1909, 90: 18-22.—Ingling, H. H. Clinical study of intestinal parasites. Ohio M. J., 1940, 36: 1083-5. Also Kentucky M. J., 1941, 39: 222-4.—Jayaram, T. K. Intestinal parasites. J. Ceylon Br. M. Ass., 1915, 12:

85.—Lemmon, J. R. Intestinal parasites in children. Arch. Pediat., N. Y., 1937, 54: 126-32.—McClure, W. B. Intestinal parasites in man. Canad. Nurse, 1940, 36: 216-9.—Manson, P. Intestinal parasites. In his Trop. Dis., Lond., 1903, 639-45.—Marcoux, H. Les paratosis intestinales. Canad. M. Ass. J., 1943, 48: 268 (Abstr.). Also Union méd. Canada, 1943, 72: 454 (Abstr.).—Monroe, C. E. Intestinal parasites in children. Am. M. Compend, 1904, 20: 242-5.—Morales Diaz, Paratito intestinal en el niño. Med. ibera, 1936, 30: pt 1, 77. — Paratismo intestinal. Ibid., 310-12.—Nuovi studi concernenti le malattie dell'apparato digerente; vermi, protozoi. Progr. ter., Milano, 1911, 200-10.—Páez, D. R. Contribución al estudio de la zooparasitosis intestinal. Rev. Inst. bact. Chile, 1932, 3: No. 1, 89-92.—Pardina, J. M. Paratosis intestinal infantil. Prensa méd. argent., 1935, 22: 1050-62.—Perronito, E. Address on some points concerning human intestinal parasites. Arch. Pub. Health Lab. Univ. Manchester, 1906, 1: 357-73.—Petrov, A. I. [Animal parasites found in the duodenal juice] Kuban. nauch. med. vest., 1930, 13: 110-2.—Polará, U. Paratosis intestinal e sua importância clinica. Gior. med. Alto Adige, 1931, 3: 516-23.—Pritchett, J. B. Intestinal parasites. South. M. & S., 1935, 97: 632.—Prizhelskaya, R. J. [Double invasion by Opisthorchis felinus and Lambliia intestinalis] Radianska med., 1939, 4: No. 10, 71-3.—Research Committee: third interim report [intestinal parasites]. China M. J., 1910, 24: 10-16.—Scholz, A. Einige Parasiten des menschlichen Darmes. Zbl. Kneipp. Heilvrl., 1904, 11: 94; 101.—Smith, W. C. Intestinal parasites. Tr. Luzerne Co. M. Soc. (1902) 1903, 10: 21-32.—Swan, J. M. Some remarks on intestinal parasites. Pennsylvania M. J., 1909-10, 13: 631-3.—Szécsi, B. [Animal parasites of the human intestinal tract] Orvosképzés, 1935, 25: oct. külöñ. (L. Kéty Festschr.) 123-6.—Vottero, G. Le paratosis intestinali nella pratica. Rinasc. med., 1933, 10: 207.—Whitaker, P. F. Intestinal parasites, their frequency and clinical manifestations. South. M. & S., 1928, 90: 566-8.—Wright, W. H., Brady, F. J. [et al.] Round table discussion on intestinal parasites. J. Pediat., S. Louis, 1941, 18: 268-85.

Parasites: Complication.

Bidault. Contribution à l'étude des relations entre le paratisme intestinal et la tuberculose en général. Rev. méd. Nancy, 1936, 64: 598-605.—Cade, A., & Garin, C. Relations entre le paratisme intestinal et les entérorragies occultes. Arch. mal. app. digest., Par., 1909, 3: 658-76.—Campos Seabra. Um caso de afecção parasitaria mista intestinal. Brazil med., 1906, 20: 79.—Cappelli, E. Paratismo intestinal, elmintiasis, e dermatosis. Gior. ital. derm. síf., 1937, 78: Suppl., 402.—Castex, M. R., & Greenway, D. Sobre entozosis y enterotoxosis. Prensa méd. argent., 1925-26, 12: 937; 965.—David, J., & Ségal, J. Paratisme intestinal et paludisme chronique. Presse méd., 1924, 32: 248.—Escalona, G. Efectos de los parásitos intestinales sobre el sistema nervioso. Gac. méd. México, 1914, 3, ser., 9: 455-61.—Fernández Martínez, F. Paratismo intestinal et sue gastrique. Arch. mal. app. digest., Par., 1934, 24: 120-2.—Galvagno, P. Sulle azione patogenica dei zooparassiti intestinali più comuni all'infanzia e sulle loro cause determinanti. Arch. pat. clin. inf., Nap., 1902, 1: 131-41.—González, G. Pelagra y escurbuto en una colitis parasitaria, á balantidium y chilomastix, sometida a regimen hiponutritivo y carencia. Rev. san. mil., Asunción, 1939-40, 13: 1056-64.—Guiart, J. Action pathogène des parasites de l'intestin; appendicite, fièvre typhoïde, dysenterie. Arch. méd. nav., Par., 1904, 82: 376-91. Also Arch. parasit., Par., 1905, 9: 175-86.—Ibarra Pérez, R., & Fariñas Guevara, P. Paratismo intestinal en dermatosis sifilográfica; importancia del paratismo intestinal en 236 casos de afecções cutáneas y sífilis que pasaron por el Servicio de dermatología y sifilografía del Hospital General Calisto García durante el primer semestre del año de 1938. Vida nueva, Habana, 1939, 44: 43-51.—King, E. L., Faust, E. C., & Sanders, J. T. Intestinal parasitic infections complicating pregnancy. South. M. J., 1937, 30: 545-9.—Labb, M., Nepveux, F., & Nichita. Les parasites intestinaux dans la pathologie du tube digestif. Arch. mal. app. digest., Par., 1931, 21: 490-25.—Léo, G. Parasites intestinaux et colibacillurie. Bull. Soc. chir. Paris, 1929, 21: 57-60.—Nordman. Des entérites parasitaires. Loire méd., 1930, 44: 269-89.—Peugniez, P. Parasites intestinaux et colibacillurie. Bull. Soc. chir. Paris, 1928, 20: 865-8.—Poggi, I. Su di un caso d'infestazione intestinale parasitaria associata e multipla. Arch. ital. sc. med. col., 1932, 13: 474.—Robin, C., Sicé, A., & Mercier, H. Paratismo asocié, ankylotomose et onchocercose. Marseille méd., 1936, 73: pt 1, 140-4.—Rodríguez Pérez, J. F., & Román Crespo, J. Paratismo intestinal y fiebre tifoidea; su influencia sobre la enfermedad. Salub. asist. social, Habana, 1941, 44: 419-39.—Santori, G., & De Muro, P. Ricerche sui rapporti tra alcune dermatosi e la presenza di parassiti intestinali. Atti Soc. ital. derm. síf., 1938, 1: 170-83.—Van Studdiford, M. T. Intestinal parasites and skin diseases. South. M. J., 1943, 36: 238-40.

Parasites: Diagnosis and symptoms.

WILDHABER, M. *Le diagnostic du paratisme intestinal. 45p. 24cm. Zür., 1941.

Bacigalupo, J., & Loretto, G. A. La eritrosidmentación en las paratosis intestinales. Rev. med. trop. parasit., Habana, 1938, 4: 339, 4 ch.—Berrón, G. A. La paratosis intestinal

Aires. Reun. Soc. argent. pat. region. (1929) 1930, 5. mcet., 2: 1119-28.—**Carsten Echenique, R.** Parasitosis intestinal en San Fernando de Apure. Bol. Min. san., Caracas, 1937-38, 2: 1052-5.—**Castillo, C.** Datos acerca de la parasitosis intestinal en los lactantes y pre-escolares de Maracaibo. Arch. venezol. puericult., 1940-41, 3: 423-6.—**Chattás, A.** Parasitarc Darm-infektionen bei Kindern in Argentinien. Med. Welt, 1937, 11: 681-3.—**Debayle, L. H.** Les parasites intestinaux aux tropiques; contribution à leur étude par des observations et des expériences faites à Nicaragua. C. rend. Congr. internat. méd., 1910, Sect. 21, Méd. nav. & mal. trop., 254-83.—**Del Corral, P.** Anotaciones sobre parasitosis intestinal entre nosotros. Mem. Congr. venezol. med. (1926) 1927, 5. Congr., 1: 111-32, ch. Also Gac. méd. Caracas, 1928, 35: 69-76.—**Echemendia, J. D.** Acerca del parasitismo intestinal en Cuba. Rev. méd. cubana, 1928, 39: 1315-41.—**Escalona, G.** Los gusanos intestinales que he visto en la ciudad de México. Rev. cienc. méd., Méx., 1927, 6: 53-61.—**Estango, I. R.** El parasitismo intestinal en los enfermos del Hospital Vargas. Gac. méd. Caracas, 1926, 33: 292-5.—**Fabre, H. J. A.** Sur le parasitisme intestinal à la Guadeloupe. Bull. Soc. path. exot., Par., 1929, 22: 671-3.—**Faria, G. de.** Estudio estadístico sobre a frecuencia de parázitos intestinais nas crianças do Rio de Janeiro. Mem. Inst. Oswaldo Cruz, 1911, 3: 328-35.—**Fermoselle Bacardi, J., & Brenes, R.** El parasitismo intestinal en la escuela Leonidas Briceño y su relación con el uso del calzado. Rev. méd., San José, 1937, 4: 515-9.—**Fortún, M.** Parasitismo intestinal. Rev. med. cir. Habana, 1929, 34: 143-8.—**Gaitán, L., & Marroquín G., E.** Una investigación realizada para determinar el papel de diseminadores de la infestación de nuestros suelos que debe atribuirse a las aves de corral y cerdos que se crían y cultivan en los patios de poblados rurales y rancherías de las fincas en lo que se refiere a parasitosis intestinal. Bol. san. Guatemala, 1938, 9: 196-200.—**Gaminara, A., & Talice, R. V.** Coprologie parasitaire de l'homme en Uruguay. C. rend. Congr. internat. méd. trop. hyg., 1932, 2. Congr., 4: 223-32.—**Greenway, D.** Consideraciones sobre un índice parasitario intestinal del Reg. 6 de caballería. Rev. san. mil., B. Air., 1924, 23: No. 10-12, 197-201.—**Consideraciones sobre la parasitosis intestinal humana en La Plata.** An. Fac. cienc. méd., La Plata, 1937, 1: 143-6.—**Groot, H.** Frecuencia de los parásitos intestinales en los enfermos del hospital de San Juan de Dios de Bogotá. Repert. med. cir., Bogotá, 1937-38, 2. ser., 1: 212-8.—**Harris, R. V.** Intestinal parasite infestation of Northern Saskatchewan Indians. Canad. J. M. Techn., 1940-41, 3: 100.—**Kouri, P., Calvo Poncela, R., & Basnuevo, J.** Porcentaje y distribución geográfica del parasitismo intestinal en Cuba, Provincia de Pinar del Rio. Rev. méd. cubana, 1935, 46: 981-90.—**Porcentaje y distribución geográfica del parasitismo intestinal en Cuba.** Ibid., 1937-45. Also Rev. med. trop. parasit., Habana, 1937, 3: 481-513.—**Kuitunen-Ekbaum, E.** A survey of entozoa in adults in a Toronto hospital. Canad. M. Ass. J., 1940, 43: 451-3.—**Labernadie, V., & Marneffe, H.** Etude sur le parasitisme intestinal à Cayenne. Bull. Soc. path. exot., Par., 1929, 22: 568-84.—**Leger, M.** Parasitisme intestinal à la Guyane française dans la population locale et dans l'élément pénal. Ibid., 1917, 10: 557-60.—**Llanio, E. A.** Parasitismo intestinal de la infancia; su frecuencia en Cuba. Crón. med. quir. Habana, 1928, 54: 239-49. Also Rev. méd. cubana, 1928, 39: 692-703.—**Macara, J. M., & Carrefo, C.** La entozoosis en clínica pediátrica. Sem. méd., B. Air., 1927, 34: pt 1, 449-65. Also Crón. med. quir. Habana, 1929, 55: 81-8.—**Marco del Pont, A.** Parasitosis intestinal; sobre algunos casos interesantes. Sem. méd., B. Air., 1934, 41: pt 2, 324-8.—**Montero, A. M.** Porcentaje y distribución geográfica del parasitismo intestinal en la provincia de Oriente. Rev. med. trop. parasit., Habana, 1938, 4: 263-9.—**Neghme Rodríguez, A.** La amebiasis y otras enteroparasitosis en los conscriptos del ejército de Chile; guarnición militar de Arica; segunda encuesta. Rev. chilena hig., 1939, 2: 327-9.—**Niño, F. L.** Contribución al estudio de la parasitosis intestinal en la población hospitalizada de Avellaneda (Prov. de Buenos Aires). Sem. méd., B. Air., 1926, 33: pt 1, 533-60.—**Noc, F.** Les parasites intestinaux à la Martinique. Bull. Soc. path. exot., Par., 1911, 4: 390-5.—**Pardina, J. M.** Parasitosis intestinal infantil en Córdoba. Actas Congr. nac. med., Rosario, 1934, 5: pt 4, 1091-6.—**Parodi, S. E., & Widakowich, V.** Índice parasitario intestinal, deducido del examen de 300 personas atendidas en el Hospital Ramos Mejía de Buenos Aires. Sem. méd., B. Air., 1917, 24: 303-9.—**Ramírez Ulloa, J.** Estudio demográfico y estadístico de las parasitosis intestinales en el ejército mexicano. Mem. Convenc. med. mil. méx., 1936, 159-63.—**Reaud, A.** Porcentaje y distribución geográfica del parasitismo intestinal en Cuba. Rev. med. trop. parasit., Habana, 1937, 3: 215-7.—**Ruff, G., & Fischer, I.** Estudio estadístico sobre la frecuencia de parásitos intestinales en enfermos internados en el pabellón IX del Hospital Rawson. Prensa méd. argent., 1934-35, 21: 243-5.—**Santos de Ferrer, R., & Ferrer Cartaya, M.** Las enfermedades por carencia y el parasitismo intestinal en la población rural, como problema social. Rev. cienc. méd., Habana, 1939, 2: 193-5.—**Santos Zetina, F.** Contribución al estudio del parasitismo intestinal en Yucatán. Rev. méd. Yucatán, 1938-40, 20: 271-8.—**Serovia, A.** Estado actual del parasitismo intestinal en los habitantes de la ciudad de Veracruz. Rev. méd. veracruz, 1937, 17: 2376-80.—**Solarzano Morfin, J.** Algunos datos para el estudio de las parasitosis intestinales de México. Gac. méd. México, 1927, 58: 742-59.

Parasites: Statistics—America: United States.

REICHARD, W. *Etude comparative de la fréquence des helminthes et des protozoaires intestinaux chez l'homme dans la Commune d'Aguadilla, Porto-Rico. 39p. 23cm. Lausanne, 1938.

Bachman, G. W., Molina, R. R. [et al.] Estudio sobre el control del parasitismo intestinal en Puerto Rico durante un periodo de 5 años y medio. Puerto Rico J. Pub. Health, 1936, 12: 389-404, map.—**Baker, C. E.** Microscopic examination for intestinal parasites of 73 boys in the National Training School for Boys, Washington, D. C. Pub. Health Rep., Wash., 1931, 46: 2980-3.—**Bradley, C. E., & Johnson, R.** Intestinal parasites in children of Tulsa and vicinity. J. Oklahoma M. Ass., 1936, 29: 355-8.—**Brown, P. W.** The more common intestinal parasites of the Northwest. Minnesota M., 1929, 12: 457-62.—**Byrd, E. E.** On the incidence of intestinal parasites in 537 individuals on the relief rolls in the city of Athens, Georgia, and vicinity. Am. J. Trop. M., 1936, 16: 39-45.—**Canavan, W. P. N., & Hefley, H. M.** Investigation of intestinal parasitic infections of a selected population of Oklahoma City. Ibid., 1937, 17: 363-83.—**Canning, C. A.** A sanitary survey of the Knox County Industrial School with respect to intestinal parasites. J. Tennessee Acad. Sc., 1933, 8: 249-59.—**Curran, J. A., Connery, J. E., & Goldwater, L. J.** A study of intestinal parasitism in New York City. J. Parasit., Urbana, 1935, 21: 126.—**De Rivas, D., & Fife, C. A.** Intestinal parasitism in Philadelphia. Stud. Dep. Path. Univ. Pennsylvania, 1927-29, 1: No. 18, 1-8. Also J. Am. M. Ass., 1929, 92: 624-7.—**Faust, E. C., & Headlee, W. H.** Intestinal parasite infections of the ambulatory white clinic population of New Orleans. Am. J. Trop. M., 1936, 16: 25-38.—**Gamble, W. G., jr.** Intestinal parasites in Eastern Carolina. J. Am. M. Ass., 1929, 92: 1516-8.—**Graves, W. R.** Intestinal parasites commonly found in children in this locality. Memphis M. J., 1942, 17: 218-20.—**Headlee, W. H.** Intestinal parasite infections among in-patients of the Indiana University Medical Center hospitals. Am. J. Trop. M., 1942, 22: 341-50.—**Studies on intestinal parasite infections among patients of the Indiana University Hospitals.** Q. Bull. Indiana Univ. M. Center, 1942, 4: 91-4.—**Cable, R. M.** Intestinal parasitism among students of Berea College, Kentucky. Am. J. Trop. M., 1942, 22: 351-60.—**Keller, A. E.** Field studies of human intestinal parasites in Tennessee. South. M. J., 1931, 24: 336-44.—**Kessel, J. F., & Parrish, M.** Studies on amoebiasis and bacillary dysentery in southern California. Proc. Pacific Sc. Congr. (1939) 1942, 6. Congr., 5: 11-7.—**Kmecza, J. M.** The incidence of human intestinal parasite infections among patients in a state institution in Indiana. Am. J. Trop. M., 1939, 19: 515-30.—**Kohlheim, L.** Some intestinal parasites of north Mississippi. Tr. Mississippi M. Ass., 1911, 44: 74-8. Also Mississippi M. Month., 1911, 16: 23-7. Also South. M. J., 1912, 5: 483-8.—**Kuitunen-Ekbaum, E.** Intestinal parasites in children in Toronto. Am. J. Dis. Child., 1940, 60: 518-25.—**McMullen, D. B., & Gray, J. K.** The incidence of intestinal parasites in fecal samples collected in eastern Oklahoma. South. M. J., 1941, 34: 177-81.—**Martin, W. B.** The incidence and importance of human intestinal parasites in Tidewater, Virginia. Virginia M. Month., 1938, 65: 585-7.—**Melleney, H. E.** The relative incidence of intestinal parasites in hospital patients in Nashville and in rural Tennessee. J. Lab. Clin. M., 1933, 19: 113-9.—**Moss, E. S.** The incidence of intestinal parasites; an analysis of 2,265 routine, consecutive stool examinations in the outpatient dispensaries of Charity Hospital of Louisiana at New Orleans. Am. J. Clin. Path., 1939, 9: 437-47.—**Nickel, H. S.** Amebiasis and hookworm infection as found in approximately 50,000 fecal examinations in Mississippi. Am. J. Trop. M., 1942, 22: 209-15.—**Otto, G. F., & Spindler, L. A.** Effect of partial sanitation on infestation with intestinal parasites in Southwest Virginia. South. M. J., 1930, 23: 556-60.—**Riley, W. A.** Intestinal parasites of children in the Northwest. J. Lancet, 1935, 55: 268-72.—**Rosenberger, R. C.** The presence of intestinal parasites in patients in the Philadelphia General Hospital. Proc. Path. Soc. Philadelphia, 1911, n. ser., 14: 27-32.—**Schenken, J. R., & Moss, E. S.** Intestinal parasitism in the southern Negro. Tristate M. J., 1940-41, 13: 2690.—**Sisk, W. N.** Important intestinal parasites in Western North Carolina. Health Bull., Raleigh, 1943, 58: No. 3, 13-5.—**Smith, W. H. Y., Gill, D. G., & McAlpine, J. C.** Intestinal parasite survey in Alabama. South. M. J., 1939, 32: 1094-105.—**Summers, W. A.** Intestinal parasites in boys of the Florida Industrial School. J. Parasit., Lancaster, 1942, 28: 169.—**Tansinsin, M. S.** Observation of intestinal parasites among children of Pennsylvania. Arch. Pediat., N. Y., 1930, 47: 113-8.—**Tucker, C. B., & Chisolm, J. M.** A study of intestinal parasites in relation to excreta disposal facilities in Cocke County, Tennessee, 1940. South. M. J., 1942, 35: 476-84.—**Van Liere, E. J.** The intestinal parasites of 20 foreign students in the University of Wisconsin. J. Am. M. Ass., 1916, 67: 1369.—**Witherspoon, J.** Parasitic diseases of the intestinal tract indigenous to this region. J. Tennessee M. Ass., 1928-29, 21: 48-51.—**Witherspoon, J. A.** A survey of the intestinal parasites found in the territory supplied by S. Thomas Hospital, Nashville, Tennessee. South.

M. J., 1924, 17: 669-72.—Wright, H. E., & Moursund, W. H., sr. A study of the incidence of intestinal parasites in 2,800 persons in Dallas, Texas and vicinity. Texas J. M., 1938-39, 34: 202-5.—Wyckoff, H. A., & French, W. O. Intestinal parasites among Filipino food handlers. J. Am. M. Ass., 1925, 84: 1029.

Parasites: Statistics—Asia.

Acton, H. W. The incidence and importance of intestinal entozoa amongst Indian members of the Mesopotamian Expeditionary Force. Ind. J. M. Res., 1918-19, 6: 601-13, 3 pl.—Agness, D. Parasitisme intestinal dans le cercle de Djougou (Dahomey). Bull. Soc. path. exot., Par., 1930, 23: 859-62.—Andrews, M. N. A survey of intestinal parasites in Chinese hospital patients in Shanghai. Chin. M. J., 1938, 54: 341-50.—Barraan, P. Parasitismo intestinal en el municipio de San Isidro Potot, Pangasinan, I. F. Rev. filip. med. farm., 1913, 4: 395-7.—Bell, J. Intestinal parasites [of man in Hongkong] Tr. Far East. Ass. Trop. M., 1912, 2. Congr., 115-7, pl. Also Ann. hyg. med. col., Par., 1913, 16: 1195.—Bernard, P. N., & Koun, L. Parasitisme intestinal en Annam. Bull. Soc. path. exot., Par., 1913, 6: 343-6.—Bertrand, L. Parasitisme intestinal en Cochinchine. Ibid., 1915, 7: 245-7.—Brewer, I. W. The animal parasites found in the intestines of native children in the Philippine Islands. N. York M. J., 1910, 91: 1112.—Chamberlain, W. P., Bloomberg, H. D., & Kilbourne, E. D. Examinations of stools and blood among the Igorots at Baguio, Philippine Islands. Philippine J. Sc., 1910, 5: 505-14.—Chang, K., & Lin, C. C. Intestinal parasite infections of man in Chengtu and its vicinity. Chin. M. J., 1940, 58: 570-81.—Chatterji, D. M. The incidence of intestinal parasites in a Calcutta Hospital population. Ind. M. Gaz., 1927, 62: 252.—Chu, T. C., Liu, B. C., & Zee, G. P. A survey of intestinal parasites in the rural experimental health area at Kao-Chiao, Shanghai. Chin. M. J., 1936, 50: 1243-54.—Das, S. M. The common disease of hill people. Ind. M. Gaz., 1913, 48: 452.—Dampster, G. O. Intestinal parasites in Western Samoa. N. Zealand M. J., 1938, 37: 214-8.—Eastman, W. R. A report on intestinal parasites in scout companies. Mil. Surgeon, 1910, 26: 671.—Faust, E. C. Human intestinal parasites in North China. Am. J. Hyg., 1929, 9: 505-8.—Fujii, T., Sinoya, H. [et al.] Ueber die Verbreitung der Darmparasiten bei Aino. Tr. Jap. Path. Soc., 1926, 16: 101.—Fujinami, A. Estrudos sobre molestias parasitarias do homem no Japão e sua prophylaxia. Sciencia med., Rio, 1927, 5: 327-38.—Gambier, A. Parasitisme intestinal au Cambodge. Bull. Soc. path. exot., Par., 1930, 23: 790-2.—Génévray, P. Parasites intestinaux et coolies indochinois en Nouvelle-Calédonie. Ann. méd. pharm. col., Par., 1926, 215-8.—Hakki, I. Ueber die Verbreitung von Darmparasiten in der Türkei. Zbl. Bakt., 1. Abt., 1928, 108: 393.—Le parasitisme intestinal en Turquie. Bull. Soc. path. exot., Par., 1930, 23: 192-6. Also Rev. méd. hyg. trop., Par., 1930, 22: 189-92.—Iyengar, M. O. T. Infestation of the human intestine by coprid beetles in Bengal. Ind. M. Gaz., 1928, 63: 365-9, pl.—Jamuni, A. Studies on carriers of intestinal pathogenic microorganisms among apparently healthy Siamese. Tr. Far East. Ass. Trop. M., 1930, 2: 1-10.—Kerr, W. F. J. Intestinal parasites in Northern Siam. Tr. Soc. Trop. M. Hyg., Lond., 1915-16, 9: 82-96.—Khaw, O. K. Survey of Peiping latrines for intestinal parasites. Nat. M. J. China, 1931, 17: 622-43, 2 pl.—Kobayasi, H., Yokoi, K., & Kawabe, K. Parasitological studies in Hainan-Island: the incidence of intestinal parasites among the natives in Hoi-how and Keisan, Hainan-Island, South China. Taiwan igakkai zasshi, 1940, 39: 442.—Kwon, C., & Kobayasi, H. Intestinal parasites among the Koreans, preliminary report. China M. J., 1918, 32: 565.—Labernadie, V. Parasitisme intestinal à Pondichéry. Bull. Soc. path. exot., Par., 1928, 21: 518.—Lane, C. Intestinal animal parasites in Mongolia. Ind. M. Gaz., 1909, 44: 131-4, pl.—Legendre, F. Le parasitisme intestinal au Cambodge. Bull. Soc. path. exot., Par., 1937, 30: 570-2.—Ling, I. C., & Yao, Y. T. The incidence of intestinal parasites in Kwoiyang and southern Yunnan. Chin. M. J., 1937, 51: 381-4.—Maddox, R. H. A note on the occurrence of intestinal parasites in Kanchi, Chota Nagpur. Ind. M. Gaz., 1904, 39: 136.—Matunaga, T. Ueber die Darmparasiten der Bewohner auf den Truk-Inseln, Südece. Acta dermat., Kyoto, 1927, 9: 211, ch.—Maxwell, J. P. Intestinal parasitism in South Fukien. Chin. M. J., 1921, 35: 377-82.—Meyer, C. H. L. Three cases of intestinal parasitism. Ind. M. Gaz., 1906, 41: 138.—Mills, R. G. Parasites, chiefly metazoan, observed in 7,000 specimens of feces from Koreans, with an attempt to interpret the findings. Am. J. Hyg., 1927, 7: 222-63.—Mukerji, J. G., & Banarsi Dass. Prevalence of intestinal parasites in the United Provinces. Ind. M. Gaz., 1915, 50: 205.—Olson, G. M. The prevalence of intestinal parasites in Kiang Su Province, China. J. Am. M. Ass., 1907, 48: 794.—Piroi. Index parasitaire intestinal des matelots indigènes du recrutement indochinois, embarqués sur un bâtiment des forces navales en Extrême-Orient. Arch. méd. pharm. nav., 1929, 193: 135-9.—Po, L. Y. Endo-parasites du Tarabagan. Tr. Far East. Ass. Trop. M., 1927, 7. Congr., 3: 196.—Reaney, M. F. Intestinal parasites in the Wardha district. Ind. M. Gaz., 1912, 47: 64-6.—Rissler, R. S., & Gómez, L. The prevalence of intestinal parasites in Rizal and Cavite provinces and Cagayan valley. Philippine J. Sc., [B.] 1910, 5: 267-75.—Saito, Y. Intestinal parasites of prisoner in Dairen prison. J. Orient. M., Dairen, 1935, 22: 59.—Sato, J. Ueber die örtliche Verteilung und die Infektionsbedingungen der in der Stadt

Nagoya vorkommenden Parasiten. Acta paediat. jap., 1939, 45: 108 (Abstr.).—Sautet, J. Parasitisme intestinal et éosinophilie sanguine chez les Indochinois. Bull. Soc. path. exot., Par., 1930, 23: 792-5.—Senekji, H. A., Boswell, C., & Bontie, C. P. The incidence of intestinal parasites in Iraq. Tr. R. Soc. Trop. M. Hyg., Lond., 1939-40, 33: 349-52.—Simon. Parasites intestinaux du Cambodge. Bull. Soc. path. exot., Par., 1924, 17: 61-4.—Tenney, E. S. Some observations on the prevalence of intestinal parasites in the Philippine Islands. Am. Soc. Trop. M., 1913, 8: 69-73.—Tirona, J. P. Intestinal parasites in the Philippines (preliminary report). Rev. filip. med. farm., 1927, 18: 217-20, 2 ch.—Tisseuil, J. Les parasites intestinaux en Nouvelle-Calédonie. Bull. Soc. path. exot., Par., 1928, 21: 211-4.—Index du parasitisme intestinal à Nouméa. Ibid., 1929, 22: 334-6.—Whyte, G. D. Notes on the results of investigation of faeces in the Chao-chow-fu Prefecture, Canton Province. Chin. M. J., 1908, 22: 215-7.—Willets, D. G. A statistical study of intestinal parasites in tobacco haciendas of the Cagayan Valley, P. I. Bull. Manila M. Soc., 1911, 3: 34; 39. Also Philippine J. Sc., 1911, 6: 17-92.—Williams, T. H. A survey of intestinal parasites in rural Szechwan. Chin. M. J., 1940, 57: 464-72.—Yao, Y. T., & Chu, H. J. Intestinal parasites among the people under suburban conditions in Tangshan, Nanking. Tr. Far East. Ass. Trop. M., 1934, 9: pt. 2 551-3.—Yao, Y. T., & Ling, L. C. Intestinal parasite infestation of primary school children in Nanking (a record of survey from April 1932 to April 1933). Ibid., 539-49.—Hsu, S. C. On the occurrence of intestinal parasites in man in different combinations (a statistical study of the results of 9,853 fecal examinations). Ibid., 531-8.—Yasaki, Y., Terata, M., & Fujii, T. The examination of intestinal parasites on the student of the T. C. H. M. College. Sei i kwai M. J., 1919, 38: No. 5.—Yu, T. H., Chu, P. J. [et al.] The prevalence of intestinal parasite infection among school pupils in Shanghai. Tr. Far East. Ass. Trop. M., 1934, 9: pt. 2, 555.

Parasites: Statistics—Europe.

AUSCHRA, C. *Beitrag zur Kenntnis der Verbreitung menschlicher Darmparasiten in Ostpreussen; Narmeln, Frisches Haff [Königsberg] 27p. 21cm. Gutersloh, 1936.

BROGNIART, M. *Recherches sur le parasitisme intestinal chez les enfants des écoles maternelles [Lille; Pharm.] 87p. 24½cm. Par., 1937.

ISRAELITIN, C. *Ueber die Häufigkeit der Darmparasiten in Zürich in den letzten Jahrzehnten. 20p. 8° Zür., 1907.

KNOLL, D. *Contribution à l'étude du parasitisme intestinal au cours de la première enfance [Lille; Pharm.] 64p. 25½cm. Par., 1937.

POUBLAN, H. *Contribution à l'étude du parasitisme intestinal dans la région parisienne. 55p. 8° Par., 1926.

STEINER, F. *Ein Beitrag zur Kenntnis der Verbreitung menschlicher Darmparasiten am Kurischen Haff; Schaaksvitte. 19p. 8° Königsb., 1933.

Bardaczi, F., & Barabás, Z. [Frequency of entozoa in the army]. Gyógyászat, 1917, 57: 176-8.—Cartagenova, L. I. parassiti intestinali negli scolari. Igiene mod., 1927, 20: 152-8.—Di Giuseppe, F. Un caso di amebiasi e lambliasi osservato nel novarese. Osp. maggiore Novara, 1939, 16: 127-32.—Dziuban, M. [Most frequent intestinal parasites found in Carpathian Ukraine] Bratisl. lek. listy, 1939, 19: Suppl., 101-9.—Ehrström, R. Zur Kenntnis der Darmparasiten in Finnland. Acta med. scand., 1926, 64: 29-68. Also Fin. läk. säll. hand., 1926, 68: 685-725.—Fernández Martínez, F. Las parasitosis intestinales en el III cuerpo de Ejército. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 368-96.—Garibaldi, M. Reperto parasitario intestinale nei malati delle nostre colonie, presentati all'Istituto di patologia coloniale di Bologna e di Modena. Arch. ital. sc. med. col., 1934, 15: 883-93.—Gruszecki, S., & Lukasiewicz, K. [Parasitic diseases of the digestive tract in the army] Lek. wojsk., 1935, 25: 606-10.—Gutiérrez Arrese & Márquez del Prado. Frecuencia y valor patógeno de los metazoos, parásitos del intestino humano. Med. ibera, 1936, 30: pt. 1, 511.—Liddo, S. Osservazioni parasitologiche nella regione pugliese. Arch. ital. sc. med. col., 1934, 15: 298-300.—Milella, A. Lo stato attuale delle parassitosi intestinali nelle Puglie. Osp. maggiore, Milano, 1936, 24: 260-4.—Montel, L. Etude statistique sur le parasitisme intestinal basée sur 7,000 examens coprologiques. Marseille méd., 1934, 71: 582-98.—Nobécourt, P., Bidot, C., & Comminos, A. Recherches sur le parasitisme intestinal chez les enfants de la région parisienne. Arch. méd. enf., 1933, 36: 329-43. Also Bull. Soc. pédiat. Paris, 1933, 31: 170-4.—Papandrea, F. Sulla frequenza dei parassiti intestinali nei bambini. Pediatria (Riv.), 1926, 34: 1125-7.—Parasitismo (La) intestinal des enfants de Paris. Clinique, Par., 1934, 29: 146.—Pavlovsky, E. N., Kostylev, N. N. [et al.] [Significance of parasitological factors in the epidemiology and prophylaxis of summer intestinal

affections in military camps in Central Asia; significance of parasitological factors in the spread of summer intestinal affections in camps, situated in the subtropical zones of Soviet Russia] *Tr. Acad. mil. méd. Kiroff*, 1934, 1: 388-93.—**Pierret, R.** Contribution à l'étude du parasitisme intestinal dans la région parisienne. *Biol. méd., Par.*, 1928, 18: 36-41.—**Pirot, R.** Le parasitisme intestinal dans la région de Toulon. *Bull. Soc. path. exot., Par.*, 1932, 25: 78-85.—**Poggi, I.** Parassiti intestinali nei bambini: relievi statistici e note cliniche. *Arch. ital. sc. med. col.*, 1935, 16: 321-49.—**Rodríguez López Neira, C., & Torres López, A. J.** Gusanos parásitos intestinales del hombre en España. *Medicina, Méx.*, 1928, 9: No. 97, 22-30.—**Roman, E.** Sur le parasitisme intestinal des habitants de la région lyonnaise; examens coprologiques des malades des hospices de 1932 à 1937. *J. méd. Lyon*, 1938, 19: 573-7.—**Sanchis, V.** Contribución al estudio de los parásitos intestinales en la población de Madrid. *Progr. clín. Madr.*, 1927, 35: 128-50.—**Sangiorgi, G.** Osservazioni sulle feci dei soldati occorsi negli ospedali militari territoriali di Venezia. *Riv. igiene, Parma*, 1916, 27: 193-7.—**Schuckmann, W. von.** Ueber das Vorkommen tierischer Entoparasiten beim Menschen in Deutschland. *Reichsgesundhbl.*, 1935, 10: 571-4.—**Simitch, T.** Les parasites intestinaux en Serbie du Sud. *Bull. Off. internat. hyg. pub., Par.*, 1936, 28: 861-86.—**Tarro, E.** Le parassiti intestinali dell'uomo da protozoi ed elminti in Messina. *Morgagni*, 1932, 74: 731-43.—**Vishnevetsky, I. S.** [Study of intestinal infestations in villages] *Gig. epidem.*, 1930, 9: 21-7.—**Welsch, M.** Les parasites du tube digestif dans la région liégeoise. *Liège méd.*, 1937, 30: 219-40.—**Zotta, G., Radacovici, F. [et al.]** Contribution à l'étude du parasitisme intestinal en Roumanie. In *Hommage mém. J. Cantacuzène, Par.*, 1934, p. 807-15.

Parasites: Treatment.

CAMPONOVO, L. E. *Las piretrinas como tratamiento de las parasitosis intestinales. 111p. 24cm. B. Air., 1937.

Also *Rev. As. méd. argent.*, 1936, 50: 387-90.

NAGEL, F. B. W. *Untersuchung der Wirkung einiger Substanzen auf Darmparasiten des Frosches [Leipzig] 15p. 23½cm. Zeulenroda, 1937.

PUGA, C. R. Formulario práctico para el tratamiento de las parasitosis intestinales. 75p. 19cm. B. Air. [1941]

Anglade, M., & Gaudin, O. Au sujet de trois cas de parasitisme intestinal primitivement méconnu et guéri par les pyrèthres. *Bull. Acad. méd., Par.*, 1932, 3. ser., 107: 917-21. Also *Bull. sc. pharm., Par.*, 1932, 39: 480.

Arcony. Sur quelques résultats cliniques de l'utilisation des pyrèthres dans le parasitisme intestinal et ses troubles secondaires. *Bull. Acad. méd., Par.*, 1931, 3. ser., 106: 654-7. Also *Bull. sc. pharm., Par.*, 1932, 39: 23-6.—**Beregoff-Gillow, P.** The treatment of intestinal parasites by the DeRivas duodenal lavage method. *Canad. M. Ass. J.*, 1941, 44: 58.

Busse-Grawitz, P. Beiträge zur Therapie einiger Darmparasiten. *Arch. Schiffs Tropenhyg.*, 1939, 43: 463-5.—**Camponovo, L. E.** Las piretrinas como tratamiento de las parasitosis intestinales; nota previa. *Prensa méd. argent.*, 1935, 22: 2371.

Piretrinas y parasitosis intestinal. *Dia méd., B. Air.*, 1938, 10: 233: 241.—**Casparis, H.** Chemotherapy in intestinal parasitic infestations. *J. Pediat., S. Louis*, 1937, 10: 559-61.—**Chemotherapy (The)** of intestinal parasites. *Bull. New England M. Center*, 1943, 5: 40 (Abstr.).—**De Rivas, D.** The effect of temperature on protozoan and metazoan parasites, and the application of intra-intestinal thermal therapy in parasitic and other affections of the intestine. *Am. J. Trop. M.*, 1926, 6: 47-73.

A further contribution on the treatment of parasitic and other affections of the intestine, by the intra-intestinal thermal method. *Ibid.*, 1927, 7: 389-403.—**Dumas, R.** Déparasitisation intestinale par le tétrachlorure de carbone. *Bull. Soc. path. exot., Par.*, 1926, 19: 719-22.—**Excoeur, E.** Guérison spécifique et rapide de quelques parasitoses intestinales. *Rev. méd. hyg. trop.*, *Par.*, 1938, 30: 297-306.—**Faust, E. C.** The chemotherapy of intestinal parasites. *J. Am. M. Ass.*, 1941, 117: 1331-5.

Frank, R. Eingeweidewürmer, Darmparasiten. In his *Mod. Ernährungsther.*, 3. Aufl., Berl., 1938, 164.—**Fumarols, F.** Contributo alla terapia delle sindromi da elminti e protozoi. *Gazz. osp.*, 1928, 49: 287.—**Hoffman, W. A.** Intestinal parasiticides. *Porto Rico J. Pub. Health*, 1931, 7: 51-67.—**Icasiano, M. C.** Specific suggestions for the control of intestinal parasites among school children. *Month. Bull. Philippine Health Serv.*, 1931, 11: 294-305.—**Intestinal parasites:** directions for treatment as practiced at the U. S. Marine Hospital, New Orleans, La. *Hosp. News, Wash.*, 1940, 7: No. 12, 24.—**Kemp, A. H.** Intestinal parasites; a suggestion in the method of treatment. *J. Am. M. Ass.*, 1931, 96: 1948.

Kolmer, J. A. The degree of infection in relation to the parasitocidal activity of chemo-therapeutic compounds. *J. Pharm. Exp. Ther.*, 1931, 43: 521-9.—**Machlou, M., & Chadli, B.** Un nouveau traitement des affections parasitaires du tube digestif. *J. méd. Paris*, 1937, 57: 388-91.—**Manson-Bahr, P.** The modern treatment of intestinal parasites. *Practitioner, Lond.*, 1941, 146: 271-8.—**Melo, H. D.** Para-

sitismo intestinal y radioterapia transpelviana. *Rev. med. aliment., Santiago*, 1935-37, 2: 236-9.—**Mendonça, A.** O thymol nos parasitas intestinaes. *Novid. med. pharm.*, *Porto*, 1907, 12: 109-11.—**Meunier, R.** Guérison spécifique et rapide de quelques parasitoses intestinales. *Bull. san. Algérie*, 1938, 33: 1731-3.—**Moline, R.** Chimiothérapie des parasitoses intestinales. *Progr. méd., Par.*, 1936, 1311.—**Paterson, J.** Indications for the use of the intestinal nosodes in diseases of children. *Brit. Homoeop. J.*, 1937, 27: 344-52.—**Pitulesco, P., & Westfried, J.** La parasitisme intestinal et les eaux de Plombières. *Bruxelles méd.*, 1934-5, 15: 1422.—**Sainz, P. F., & Sala, F.** Parasitismo intestinal; nociones generales y contribución al tratamiento quimico gástrico de los parasitados. *Rev. méd. cir. Habana*, 1933, 38: 657-90.—**Schwartz, A., Azam, A., & Yovanovich, M.** Le traitement des parasitoses intestinales par le benzo-méta-crésol. *Presse méd.*, 1930, 38: 485.—**Segovia, A.** Algunas consideraciones sobre los antihelmínticos usados contra las parasitosis intestinales más comunes. *Rev. méd. veracruz.*, 1936, 16: 2006-13.—**Shelanski, H. A., Pious, W. L., & Frank, J. H.** Intestinal parasitic infections in a state mental hospital, and control with aluminum hydroxide and colloidal kaolin. *J. Parasit.*, *Lancaster*, 1942, 28: Suppl., 10 (Abstr.).—**Simon, S. K.** The treatment of intestinal parasitism by intraduodenal instillations. *Tr. Am. Gastroenter. Ass.*, 1930, 33: 94-8. Also *Am. J. Surg.*, 1931, n. ser., 12: 267-71.—**Smillie, W. G., Mackie, T. T.** [et al.] Treatment of some intestinal infestations. *N. York State J. M.*, 1942, 42: 443-51.—**Stieffel, R.** La part de la crémothérapie dans le traitement des colopathies parasitaires. *Rev. méd. fr.*, 1939, 20: 213.—**Tomayo Roza, E.** Tratamiento del parasitismo intestinal. *Med. d. hoy, Habana*, 1939, 4: 500-20.—**Tobey, J. A.** Milk in the prevention of intestinal parasites. *Certif. Milk*, 1935, 10: No. 108, 3.—**Tratamiento** de las parasitosis intestinales; según se practica en el hospital de marineros del servicio de sanidad pública de Estados Unidos, en Nueva Orleans. *Bol. Of. san. panamer.*, 1940, 19: 992.—**Tratamiento** contra la anquilostomosis y demás parasitosis intestinales. In *Memoria (Venezuela Min. san.) Caracas*, 1937, 179.—**Unverricht, W.** Pathogenetische Bedeutung und Behandlung der Darmparasiten. *Ther. Gegenwart*, 1937, 78: 49-53.

Parasites—in animals.

SCHÖNENBERGER, A. *Magen- und Darmerkrankungen der Biberratte (*Myocastor coypus* Mol.) infolge Zooparasiteninvasion und deren Bekämpfung [Zürich] 59p. 8° Frauenfeld, 1933.

Fenwick, D. W. A census of intestinal parasites of lambs in South Wales. *J. Helminth.*, S. Albans, 1937, 15: 169-76.—**Paul, D.** Beobachtungen über die Darmparasiten schlesischer Anuren. *Zschr. Parasitenk.*, 1934-35, 7: 172-97.—**Sirpson, H. G.** Parasitic intestinal affections. *Vet. Rec., Lond.*, 1904-05, 17: 64-8.

Perforation.

See also subheadings (Foreign body; Fistula; Helminthosis; Rupture; Ulcer) also **Ascariasis; Peptic ulcer; Typhoid fever, etc.**

BANGE, W. *Perforierende Darmverletzungen nach stumpfen Bauchtraumen. 32p. 23½cm. Berl., 1937.

Andriolo, V. Due casi di perforazione sottocutanea traumatica dell'intestino. *Gazz. osp.*, 1936, 57: 349-53.—**Baehr, C., Schwartzman, G., & Greenspan, E. B.** B. Friedlaender abdominal infections due to perforative lesions of the intestinal tract. *J. Mount Sinai Hosp. N. York*, 1937-38, 4: 225-8.

Batley, W. W. The diagnosis and treatment of intestinal perforations with report of two successful cases. *Tr. M. Ass. Georgia*, 1910, 292-9.—**Berri, P.** Sindromi addominali da perforazione (contributo casistico) *Mineva med., Tor.*, 1930, 21: pt 2, 877-82.—**Bolletino, A.** Peritonite stercoracea in neonato da perforazione del grosso intestino su base malformativa. *Boll. Soc. med. chir. Pavia*, 1938, 52: 597-602.

Borzilleri, C. R. Perforation of the bowels. *Med. Rec. N. Y.*, 1934, 140: 431.—**Brown, P. W.** Pain in the thigh attributable to perforation of the intestine. *Proc. Mayo Clin.*, 1939, 14: 404-6.—**Camacho, F. A.** Acute traumatic perforations of the intestinal tract. *Bol. As. méd. Puerto Rico*, 1941, 33: 189-97.

Cammaert, C. A. [Intestinal perforation and skin eruptions] *Ned. tschr. geneesk.*, 1931, 75: pt 4, 5718.—**Chapin, F. H.** Perforation of abdominal viscera. *Ohio M. J.*, 1918, 14: 409.—**De Vel, L.** Intestinal perforation with pneumoperitoneum in the new-born infant. *Am. J. Dis. Child.*, 1933, 45: 587-9.

Doria, J. Perforações intestinais em peritonio livre. *Hora med., Rio*, 1939, 3: No. 11, 19-30.—**Fèvre, M., & Arviset, A.** Deux cas de perforations viscérales du tube digestif, en nombre impair, par projectiles de guerre; éventualités anormales sur lesquelles le chirurgien ne doit pas compter. *Mém. Acad. chir., Par.*, 1940, 66: 793-8.—**Flip, B.** [Case of gastro-intestinal meteorism, followed by peritonitis circumscripta after repeated intestinal puncture] *Zver. obzor.*, 1939, 32: 348-50.

Fuchs, B. Fish bones as foreign bodies, perforating the intestinal wall. *Tr. Novosibir. gosud. inst. usoversh. vrach.*, 1936, 6: 34-6.—**Fürstenau, J.** Ueber Darmperforationen

durch verschluckte Fischgräten. Deut. med. Wschr., 1929, 55: 1554. Ghazi, S. Plaque de l'abdomen par balle ayant déterminé onze perforations intestinales. Marseille méd., 1933, 70: 267-9. Giupponi, E. Le perforazioni intestinali e la loro diagnosi radiologica. Riv. osp., 1934, 24: 85-94. Hartmann & Lacour. Perforation intestinale méconnue du post-partum. Bull. Soc. obst. gyn. Paris, 1935, 24: 543-5. Kaulich, L. Perforation des geschwägigen Dickdarmes durch den Kontrasteinlauf. Med. Klin., Berl., 1930, 26: 1042. Kelly, E. C. Two cases of intestinal perforation. Albany M. Ann., 1937-38, 56: 148-50. Khater, M., & Kaffani, N. Trois cas de perforations intestinales multiples par balles, interventions précoces. Rev. prat. mal. pays chauds, 1936, 16: 308-17. Laporte, A. Sur un cas de perforation de l'intestin. J. méd. Bordeaux, 1933, 110: 401. McClintic, B. S. Perforation of the intestines by foreign bodies. Mil. Surgeon, 1934, 75: 75-8. Macmanus, J. E. Perforations of the intestine by ingested foreign bodies; report of 2 cases and review of the literature. Am. J. Surg., 1941, 53: 393-402. Mitchell, E. D., jr. Perforation of the intestines. J. Tennessee M. Ass., 1938, 31: 337-43. Molnár, M. Erfolgreiche Spätoperation bei drei Fällen von subkutaner Darmperforation. Zbl. Chir., 1931, 58: 2873. Mulkey, Q. A. Traumatic perforation of the intestines without visible injuries to the abdominal wall, report of cases. J. M. Ass. Georgia, 1938, 27: 465-9. Patti, F. A proposito di perforazioni intestinali per usura da parte dei villi coriali. Clin. ostet., 1937, 39: 659-62. Perera. Perforación intestinal; hemorragia interna. Progr. clín., Madr., 1913, 2: 315. Peschard, J. A. Cinco observaciones de perforaciones intestinales. Gac. méd. México, 1937, 67: 52-60. Righi, D. Sulle perforazioni intestinali tardive da contusione. Ann. ital. chir., 1933, 12: 1274-316. Sasasima, H. Perforation peritonitis caused by foreign body of the large intestine. Jap. J. M. Sc., 1934 36, 4: Surg. &c., 256. Somogyi, G. [Fluoroscopy in acute perforations of the intestines or stomach] Orv. hetil., 1932, 76: 1027. Thorek, P. Self-introduced foreign body perforating large bowel; operation with recovery. Surgery, 1941, 10: 405-8. Turner, P. Unusual perforations. Clin. J., Lond., 1935, 64: 137-43. Vasilcă, V. [Clinical aspect of cases operated for intestinal perforations] Cluj. med., 1933, 14: 344-7. Velasco, D., & Anido, A. Perforación intestinal por contusión del abdomen en un niño de siete años. Villalera méd., S. Clara, 1940, 8: 329-34. Vilanova Artigas, G. Sobre un caso de contusión abdominal con perforación intestinal. Inpr. méd., Rio, 1939, 15: 317-21. Ziver Mestçi [Case of 18 intestinal perforations caused by revolver shots] Bull. Soc. turque méd., 1940, 6: 246. [Intestinal perforation caused by a fall on the stomach] Ibid., 247-50.

Perienteritis.

See also subheading Adhesion; also Peritonitis; Perivisceritis.

KELLER, M. [M.] *Einige Fälle von Zuckergussdarm. 20p. 8° Münch., 1933.

LÉQUES, J. *Contribution à l'étude des adhérences péricoliques et les péricolites membranueuses [Lyon] 54p. 8° Valence, 1911.

MARCEAU, J. H. L. *L'occlusion intestinale aiguë causée par les périentérocolites adhésives. 118p. 8° Par., 1927.

RINGART, L. *Contribution à l'étude clinique des péri-iléotyphocolites chroniques. 47p. 8° Par., 1928.

SCHNEIDER, E. *Ueber Zuckergussdarm [Leipzig] 32p. 8° [Zeulenroda] 1929.

Albert, F. Péricolites chroniques droites. Arch. fr. belg. chir., 1927, 30: 203-28. Baumel, J. Traitement médical des périsécrites digestives essentielles. Gaz. méd. France, 1932, 765-7. Bevan, A. D. Pericolicitis with adhesions simulating carcinoma of the colon. Surg. Clin. N. America, 1928, 8: 489-92. Delangre. Péricolites et épiploites. Bruxelles méd., 1927-28, 8: 798-803. Duroux, E. Du traitement opératoire des péricolites droites; association des rayons infra-rouges. Bull. méd., Par., 1929, 43: 1335. Eerland, L. D. [Membranous pericolicitis following ileus resulting in a constricting membrane of Jackson] Ned. tscr. geneesk., 1923, 67: pt 2, 136-43. Fittipaldi, C. Sulle perivisceriti adesive del tubo digerente. Morgagni, 1930, 72: 2127-43. Gaston-Durand & Delherm, L. La diathermothérapie dans le syndrome péricolite droite. Presse méd., 1929, 37: 93-5. Illyin, A. I. [Problem of acute pericolicitis] Russk. klin., 1929, 11: 738-42. Isaacs, A. E. Membranous perienteritis. N. York M. J., 1912, 96: 829-38. Leveuf, J. A propos des péricolites chroniques. Presse méd., 1928, 36: 470. Maucilaire. Essais de greffes séreuses après l'ablation des membranes dans la péricolite membraneuse et dans le périsigmoïdite membraneuse. Bull. Soc. chir. Paris, 1923, 49: 931-5. Greffes séreuses pour péricolites et périsigmoïdites membranueuses. Gaz. hôp., 1923, 96: 1265-9. Melocchi, E. L'associazione della diatermia con le applicazioni locali di fango termale nella cura delle perivisceriti digestive. Riv. idroclim., 1934, 45: 370-81. Pagès, P. Les périsécrites digestives; étude clinique générale. Arch. Soc. sc. méd. biol. Montpellier, 1929, 10: 368-75. Pauchet, V. Les pericolicitis. Rev. cir. B. Aires, 1930, 9: 1-7. Reichenacker.

Un nouveau traitement des périsécrites, des péricolites en particulier. Arch. mal. app. digest., Par., 1929, 19: 746-9. Schrödl, P. Ueber einen Fall von Zuckergussdarm. Münch. med. Wschr., 1926, 73: 1482. Seifert, E. Zur Anatomie der Pericolicitis membranacea. Arch. klin. Chir., 1922, 121: 754-63. Toole, H. Beitrag zur Aetilogie und Behandlung des Zuckergussdarmes. Deut. Zschr. Chir., 1928 29, 213: 14-9. Trémolières, F. Les péri-entéro-colites. Rev. méd. fr., 1929, 10: 533-42. Yagué y Espinosa, L. El tratamiento médico de las perivisceritis digestivas. Dña méd., B. Air., 1932-33, 5: 729. Zamboni, G. Sindromi cliniche addominali patognomiche di pericoliciti croniche e loro trattamento. Arch. Soc. ital. chir. (1927) 1928, 34: 730.

Pharmacology.

See also subheadings (Absorption; Function; Movement: Pharmacology)

BÜRGER, F. *Versuche über die Wirkung von arsenigsauren, molybdänsauren und wolframsauren Salzen am isolierten Meerschweinchendarm. 12p. 8° Tüb., 1935.

GOLDBERGER, E. *Action pharmacodynamique des eaux sulfatées calciques sur l'intestin isolé du lapin. 84p. 24cm. Par., 1937.

LAROCHE, R. *Etude histologique de l'action des purgatifs sur l'intestin. 77p. 8° Par., 1927.

LAUB, A. *Versuche über das Verhalten wasserbindender Mittel im Darm [Tübingen] 19p. 8° Marbach-N., 1937.

OTTO, J. *Zur pharmakologischen Prüfung von Darmmitteln an der weissen Maus [Tübingen] 14p. 21cm. Würzb., 1937.

PAETZOLD, H. *Die narkotische Grenzkonzentration am Darm von kortikalen und thalamischen Schlafmitteln. 34p. 8° Rost., 1930.

Aumann, K. W., & Youmans, W. B. Quantitative comparison of responses of isolated and of intact intestine to 7 sympathomimetic amines. Proc. Soc. Exp. Biol., N. Y., 1939, 42: 111. Beauvallet, M. Effets de divers ions sur l'activité automatique de l'intestin d'escargot. C. rend. Soc. biol., 1937, 124: 1084. Bernheim, F. Relation between the action of histamin, atropin, adrenalin, and heavy metals on the intestine. J. Pharm. Exp. Ther., 1931, 42: 441-54. Interaction of pilocarpine and histamin on the intestine. Ibid., 43: 509-14. The interaction of histamin and nicotine on the intestine. Ibid., 1933, 48: 67-72. Action of acetylcholine on the intestine. Am. J. Physiol., 1933, 104: 433-7. Burgi, E. Pharmakotherapie des Darmes. Münch. med. Wschr., 1934, 81: 1015-8. Also Dña méd., B. Air., 1935, 7: 1113. Burstien, C. L. Effect of some short-acting barbituric acid derivatives on intestinal activity in vivo. Proc. Soc. Exp. Biol., N. Y., 1939, 40: 122-4. Busquet, H. Antagonisme, sur le tonus de l'intestin isolé, de 2 substances théoriquement synergiques, d'adrécoline et la pilocarpine. C. rend. Soc. biol., 1933, 114: 1083. Rapports du rythme et du tonus dans les réactions provoquées par les substances adrénaliniques sur l'intestin isolé. Ibid., 1934, 116: 40-2. Viscinaic, C. Action paralysante de la fonction chimique ester sur l'intestin isolé. Ibid., 1933, 112: 1178-80. Catel & von Graevenitz. Bemerkungen zu Adams Bericht: Ueber den Einfluss von flüchtigen Fettsäuren auf den Tierdarm. Jahrb. Kinderh., 1926, 3. F., 62: 227. Chistoni, A., & Beccari, E. Ricerche farmacologiche sulla fenilisopropilamina; azione sull'intestino isolato di coniglio. Boll. Soc. ital. biol. sper., 1939, 14: 612-4. Craven, J. D., & McCrea, F. D. The effect of tissue extract and other vascular depressor substances on isolated intestines. J. Pharm. Exp. Ther., 1934, 51: 421-9. Dérer, L. [The action of acetyl arsanilic acid on the biochemical intestinal process] Bratisl. lek. listy, 1928, 8: 259-66. Feldberg, W., & Solandt, O. M. The stimulating effect of glucose and pyruvate on the rabbit's gut. J. Physiol., Lond., 1940, 98: Suppl. 22. Frey, E. Giftwirkungen an dem quergestreiften Schleimendarm. Arch. exp. Path., Lpz., 1928, 138: 228-39. Gaddum, J. H., Jang, C. S., & Kwiatkowski, H. The effect on the intestine of the substance liberated by adrenergic nerves in a rabbit's ear. J. Physiol., Lond., 1939, 96: 104-8. Goffart, M. Action de l'adrénaline sur l'intestin isolé. C. rend. Soc. biol., 1939, 130: 1372-3. Groedel, F. M., & Wachter, R. Röntgenologische Beobachtungen über die Wirkung der Nahrungsmittel Kochsalzquellen auf den Darm. Fortsch. Ther., 1927, 3: 274-9. Gruber, C. M., Greene, W. W. [et al.]. Further studies on the effect of morphine sulphate, atropine sulphate, and hyoscine hydrobromide upon the intact intestine in unanesthetized dogs. J. Pharm. Exp. Ther., 1930, 38: 389-400. Gruber, C. M., & Gruber, C. M., jr. The effect of barbituric and thiobarbituric acid derivatives on the pyloric sphincter and stomach in unanesthetized dogs. Ibid., 1941, 72: 176-83. Gruber, C. M., & Pipkin, G. Further observations on the effect of pituitary extract and morphine sulphate upon excised dog's intestine.

- Ibid., 1930, 38: 401-10.—Gruber, C. M., Richardson, L. K., & Bryan, W. T. K. The intact intestine in non-anesthetized dogs as influenced by colocyntin and podophyllin. Ibid., 1932, 45: 77-81.—Gruber, C. M., & Robinson, P. I. The influence of pituitary extract, vasopressin and oxytocin upon the intact intestine in unanesthetized dogs. Ibid., 1929, 36: 203-26.—Guillot, M., & Ong Sian Gwan. Action inhibitrice de diverses substances capillaires actives sur l'intestin isolé de cobaye, vis-à-vis de l'acétylcholine et de l'histamine. C. rend. Soc. biol., 1937, 126: 318-23.—Guthrie, J. S., & Bergen, J. A. The effect of drugs on different segments of the intestine of man. Surg. Gyn. Obst., 1936, 63: 743-9.—Hallier, S. Ueber die Wirkung wiederholter kleiner Gaben von Insulin, Elityran und Tonedlin auf die basale Körnchen Zellen im Darm der weissen Ratte und des Meerschweinchens. Zschr. Zellforsch., 1937, 27: 52-64.—Hazard, R., Moisset de Espanès, E. Action du pipéridométhyl-3-benzodioxane, 933 F., sur l'intestin isolé de cobaye. Arch. internat. pharm. dyn., Par., 1938, 59: 457-60.—Hecht, K. Untersuchungen über Konzentration und Wirkung der Narkotika am isolierten Darm. Arch. exp. Path., Lpz., 1926, 113: 321-8.—Heinekamp, W. J. R. The sthenic action of adrenalin on the intestines. J. Lab. Clin. M., 1925-26, 11: 1062-71.—Heubner, W., & Oettel, H. Ueber die bedingte Empfindlichkeit des Darmes für Arzneiwirkungen. Schweiz. med. Wschr., 1934, 64: 1109-11.—Inokuti, T. Empfindlichkeit des Darmes in situ und in vitro Adrenalin und Cholin gegenüber beim splanchnicotomierten oder vagotomierten Kaninchen. Mitt. Med. Akad. Kioto, 1939, 26: 96.—Ueber den Einfluss der Aminosäure auf die Wirkung von Adrenalin und Cholin auf den Kaninchendarm in situ. Ibid., 98.—Isikawa, S. [Ueber den Einfluss des Reizstoffes auf die Empfindlichkeit des Kaninchendarmes Adrenalin, Pilocarpin und Physostigmin gegenüber] Ibid., 1941, 32: 1301-33; 1445-65.—Jackson, R. J., & Bergen, J. A. The influence of certain antispasmodic drugs on the intestine of man. Surg. Gyn. Obst., 1938, 67: 63-8.—Jendrasik, L., & Tangl, H. [Pharmacology of the concentration changes; the effects of the alcohols and of the aldehydes on the intestines] Magy. orv. arch., 1926, 27: 75-8.—Keller, M. Experimentelle Untersuchungen über die Einwirkung von Bakteriensuspensionen und Bakteriensextrakten auf den überlebenden Meerschweinchen- und Mäusedarm. Ausz. Inaugur. Diss. Med. Fak. Univ. Bern (1931-33) 1934, No. 46, 1.—Khasanov, A. I. [Reaction of the isolated intestine of the white mouse to certain cholinergic and cholinonegative agents] Farm. & toks., Moskva, 1941, 4: No. 3, 61-3.—Ko, K. On the exocytic action of various neutral salts on the isolated intestinal canal of the rabbit. Jap. J. M. Sc., 1940, 13: Proc. Pharm., 39.—Koida, J. L'influence des poisons du système nerveux végétatif sur l'intestin isolé du cheval. C. rend. Soc. biol., 1926, 95: 212-4.—Influence des cardiotoniques sur l'intestin isolé. Ibid., 799-801.—Kondoleon, E., & Joannides, G. Experimentelle Prüfung der Wirkung des flüssigen Paraffins im Darne. Münch. med. Wschr., 1926, 73: 1356.—Krebbler. Ueber die Regelung der Darmfunktion mit Galle und pflanzlichen Abführmitteln. Med. Klin., Berl., 1940, 36: 632 (Abstr.).—Kubikowski, P. [Effect of various barium salts on an isolated intestine of a rabbit] Polska gaz. lek., 1928, 7: 667-9.—Lánczos, A. Ueber die Wirkung des Paraffins auf den Darm. Arch. exp. Path., Lpz., 1926, 112: 365-78.—Larson, E. The effect of posterior pituitary preparations on the large intestine of the unanesthetized dog. J. Pharm. Exp. Ther., 1941, 72: 363-9.—Lévy, J., & Michel, E. Sur la différence de comportement de divers fragments d'intestin isolé vis-à-vis de quelques substances médicamenteuses. J. physiol. path. gén., 1937, 35: 389-406.—Likhachev, A. A., & Anichkov, S. V. [Rhythmic changes of the tonus of the isolated intestine of a cat due to the simultaneous effect of sympathetic- and parasympatheticotropic drugs] J. Physiol. USSR, 1934, 17: 409-14.—Lucas, G. H. W., & Bonnycastle, D. D. A study of the action of adrenaline on the intestine. Arch. internat. pharm. dyn., Par., 1938, 60: 195-205.—Melville, K. I., & Stehle, R. L. The actions of pituitary preparations (posterior lobe) upon the intestines of the dog. J. Pharm. Exp. Ther., 1934, 1: 165-73.—The actions of pituitary preparations (posterior lobe) upon the intestines of the rabbit. Ibid., 174-9.—Mercier, F. Essais biologiques de l'hydrastine, de la berbérine et de leurs mélanges sur l'intestin isolé. C. rend. Soc. biol., 1936, 122: 965-8.—Krijanovsky, A., & Paganelli, M. Action de l'éthylphénylbarbiturate de spartéine sur l'intestin isolé. Ibid., 1937, 124: 463-5.—Messini, M. Azione delle acque cloruro sodiche sull'intestino isolato. Arch. farm. sper., 1934-35, 58: 49-59.—Miyake, M. Zur Pharmakologie des isolierten Darms des chronisch kokamisierten Kaninchens. Okayama igakkaï zasshi, 1935, 47: 2759.—Moldavskaja, E. A. [Effect of saponins on the permeability of substances through the intestinal wall] Bull. eksp. biol. med., 1939, 8: 419-51.—Moniz de Bettencourt, J., & Pais, E. Action de la substance du nerf vague sur l'intestin du lapin. C. rend. Soc. biol., 1936, 122: 237.—Morin, G. Evolution des réactions à l'adrénaline de l'intestin isolé en fonction de diverses conditions d'administration. Arch. internat. pharm. dyn., Par., 1940, 64: 190-202.—Myers, G. N. The effects of morphine, diacetylmorphine and some related alkaloids upon the alimentary tract; caecum and colon. J. Hyg., Lond., 1939, 39: 512-28.—Nedzel, A. J., Stonecipher, R., & Arnold, L. Influence of saponin upon bacterial flora, H-ion concentration and permeability of the intestinal tract. Proc. Soc. Exp. Biol., N. Y., 1932, 29: 496-9.—Nochimowski, C. Action, sur l'intestin isolé du lapin, d'une substance sensibilisant à l'acétylcholine, formée dans le tronc du pneumogastrique, lors d'une excitation électrique. C. rend. Soc. biol., 1935, 119: 943-6.—Obreshkova, V. The action of acetylcholine, atropine and physostigmine on the intestine of *Daphnia magna*. Biol. Bull., 1941, 81: 105 13.—Okoe, K. Experimentelle Studien über die Reziprozität der Darmbewegung, der Blutzirkulation in der Darmwand und des allgemeinen Kreislaufs; pharmakologische Untersuchung. Mitt. Med. Akad. Kioto, 1935, 14: 338.—Pavel, I., & Milcou, S. M. L'action de l'insuline sur l'intestin. Arch. mal. app. digest., Par., 1933, 23: 310-7.—Puestow, C. B. Studies on the origin of the automaticity of the intestine: the action of certain drugs on isolated intestinal transplants. Am. J. Physiol., 1933, 106: 682-8.—Effect of certain drugs upon intestinal activity. Proc. Inst. M. Chicago, 1937, 11: 301.—Reventós, J. Action of adenine compounds on the frog's intestine. J. Physiol., Lond., 1939, 95: Suppl., 54.—Reiser, M. Ueber die Darmwirkung von Pervitin und Benzodrin. Arch. exp. Path., Berl., 1940, 195: 603-8.—Rentz, E. Unwirksamkeit von Acetylcholin und Histamin auf den Darm vom Darmlumen aus. Arch. exp. Path., Lpz., 1938-39, 191: 183-91.—Ryô, K. Pharmakologische Untersuchung am Darmrohr der Frösche und Mäuse. Fol. pharm. jap., 1928, 7: 6.—Sakussov, W. W., jr. Ueber die kombinierte Wirkung des Adrenalins und des Kokains auf den Darm. Arch. exp. Path., Berl., 1931, 160: 393-6.—Salant, W., & Parkins, W. M. The response of the isolated intestine to cocaine and novocaine at different pH levels. J. Pharm. Exp. Ther., 1932, 46: 435-46.—Sergievsky, M. [Action of Ringer salt solution on wall of intestine of warm blooded animals] Vrach. delo, 1926, 9: 1095-9.—Shchekotov, G. M. [Mechanism of various forms of ileus from the effect of pharmacological substances and mechanical action on the intestinal tube] Vest. khir., 1940, 60: 556-60.—Sizulis, B., & Sollmann, T. Progressive changes in the excitability and tone of excised intestines (Magnus method) and their influence on the response to peptone. Am. J. Physiol., 1927, 81: 606-11.—Sjövist, O. Studien am überlebenden menschlichen Darm unter besonderer Berücksichtigung der Wirkung von Morphin und Opiumalkaloiden auf denselben. Skand. Arch. Physiol., Berl., 1934, 68: 215-31.—Tani, K. A pharmacological study of the foetal intestine. Kinki fujinka gakkaï zasshi, 1926, 9: 23.—Tiffeneau, M., & Broun, D. Influence opposée des ions H et OH sur les actions pharmacodynamiques concernant les appareils autonomes; renforcement des effets inhibiteurs par les ions H et des effets accélérateurs par les ions OH; action sur le tonus intestinal. C. rend. Soc. biol., 1934, 117: 1002-4.—Tutaev, G. W. Ueber die Wirkung der Extrakte aus Schild-, Brust- und Ovarialdrüsen auf den isolierten Kaninchendarm. Zschr. Biol., 1930-31, 91: 496-506.—Uemori, T. Ueber die Wirkung von Brennesleextrakten auf den Darm. Fol. pharm. jap., 1929, 9: 15-20.—Wedum, A. G., & Gebauer-Fuelnegg, E. Histamine and acetyl choline contraction-ratio in the surviving intestinal strip. Proc. Soc. Exp. Biol., N. Y., 1932, 29: 888-90.—Weger, P. Action de la digitale et de la strophantine sur l'excitabilité du parasympathique de l'intestin. C. rend. Soc. biol., 1927, 96: 803-6.—Yamawaki, H. Wirkung des Tetrahydro- β -naphthylamins und des Thyramins auf den Kaninchendarm im Körper. Mitt. Med. Akad. Kioto, 1935, 14: 1280-8.—Youmans, W. B., & Waisman, R. C. Effect of Beta-methylcholine-urethane on normal and on reflexly inhibited intestine. Proc. Soc. Exp. Biol., N. Y., 1938-39, 39: 135-40.—Zadina, R. Importance de l'état du tube digestif pour la contraction histaminique de l'intestin isolé. C. rend. Soc. biol., 1939, 132: 31.

Physiochemistry.

See also subheadings (Absorption; Chemistry)

- Auchinachie, D. W., Macleod, J. J. R., & Magee, H. E. Studies on diffusion through surviving isolated intestine. J. Physiol., Lond., 1930, 69: 185-209.—Bellucci, L. Ricerche sulla permeabilità intestinale nell'insufficienza paratiroidea sperimentale. Abstr. Internat. Physiol. Congr., 1929, 13. Congr., 20.—Domini, G. Sul comportamento della permeabilità intestinale nel decorso di alcune distrofie di origine alimentare. Arch. fisiol., Fir., 1930, 28: 395-431.—Sul comportamento della permeabilità intestinale nel decorso di alcune distrofie di origine alimentare; fosforo, coleslerina ed acidi grassi nella mucosa intestinale di cavia. Ibid., 1933-34, 32: 179-91.—Lux, H., & Woringer, P. La perméabilité intestinale pour le saccharose en clinique une épreuve fonctionnelle de l'épithélium intestinal. C. rend. Congr. fr. méd., 1922, 16. sess., 116-20.—Magee, H. E., & Macleod, J. J. R. Diffusion through the walls of surviving intestines. Abstr. Internat. Physiol. Congr., 1929, 13. Congr., 174.—Manunta, C. Caratteristiche differenziali della permeabilità intestinale al carotenoidi della foglia nelle varie razze di bachi da seta. Boll. Soc. ital. biol. sper., 1938, 13: 732.—Moldavskaja, E. A. Effect of saponins on the passage of substances through the intestinal wall. Bull. biol. méd. exp. URSS, 1938-39, 6: 675-8.—Oomen, H. A. P. C. [Permeability of the intestine of the cucumber fish] Versl. Akad. wet. Amsterdam, 1925, 34: pt 2, 1028-37.—Sakai, Y. Studien über die Permeabilität der normalen und der veränderten Darmschleimhaut für Antigenstoff. Okayama igakkaï zasshi, 1934, 46: 2952.—Tychowski, W. Z. Passage des corps insolubles de la lumière de l'intestin dans sa paroi. C. rend. Soc. biol., 1930, 104: 538-40.—Wells, H. S. The balance of physical forces which determine the rate and direction of flow of fluid through the intestinal mucosa. Am. J. Physiol., 1940, 130: 410-9.—

Westenbrink, H. G. K. Erfahrungen über die Permeabilität des Darmes in vitro. Arch. néerl. physiol., 1935, 20: 116-22.

Physiology.

See also subheadings (Absorption; Chemistry; Function; Movement; Nerves; etc.) also Defecation; Feces; Metabolism, etc.

HALLION, L., & Gayet, R. L'intestin. p.203-92. 4° Par., 1931.

Aholin, L. Zur Frage nach der Anpassungsfähigkeit des Schlampeizgerdarmes an die erhöhte respiratorische Tätigkeit. Biol. Zbl., 1926, 46: 552-62.—Ascanio, H., & Alvarez, W. C. Factors that influence the conservation of intestinal rhythmicity after death. Am. J. Physiol., 1929, 90: 611-6.—Bargen, J. A., & Dixon, C. F. Recent studies on the physiology of the human intestine: their application to clinical problems. Rev. Gastroenter., 1936, 3: 205-18.—Ceresoli, A. Irradiazioni Roentgen dell'intestino e glicemia (iperglicemia e lesioni istologiche del fegato) nota epirica. Atti Soc. lombard. sc. med., 1925, 14: 295-301.—Di Frisco, A. Sul rapporto fra aminoacidi diamminici e dicarbossilici formati nella digestione enterica di fibrina e gliadina. Arch. fisiol., Fir., 1929, 27: 92-102.—Hukuhara, T., Masuda, K., & Kinose, S. Ueber das Gesetz des Darmes. Arch. ges. Physiol., 1936, 237: 619-30.—K'o, Y. K., Tu, C. L., & Chan, B. C. The effect of hard Roentgen-rays on intestines of normal dogs fed on inorganic iron compounds. Surg. Gyn. Obst., 1941, 73: 333-40.—Lundsgaard, E. Ueber die acrobe Glykolyse des Darmes. J. Physiol. USSR, 1940, 29: 311-7.—McSwiney, B. A. The physiology of the gastrointestinal tract; the small and the large bowel. In Dig. Digest. System (Portis, S. A.) Phila., 1941, 142-65.—Messuti, D. Azione degli stimoli esercitati sul crasso, dagli altri tratti intestinali a monte. Arch. radiol., Nap., 1937, 13: pt 1, 198-216.—Morin, G. Réactions de l'intestin isolé à l'excitant galvanique; influence de diverses conditions. C. rend. Soc. biol., 1934, 117: 938-40.—Patzelt, V. Probleme der Histologie und Physiologie des Darmes. Wien. klin. Wschr., 1937, 50: 759-61.—Puestow, C. B. Simultaneous electrograms and myograms from isolated intestinal segment in unanesthetized dog. Proc. Soc. Exp. Biol., N. Y., 1932, 29: 901.—Roese, H. F. Methoden zum Studium der Physiologie und Pharmakologie des künstlich durchbluteten Säugetierdarmes. Arch. ges. Physiol., 1930, 226: 171-83.—Ueber das Minutenvolumen und den Gaswechsel des künstlich durchbluteten Säugetierdarmes. Ibid., 184-9.—Rossi, F., & Villani, L. Contributi alla conoscenza della istiofisiologia intestinale. Boll. Soc. med. chir., Pavia, 1934, 48: 513-9.—Sohma, T. Beitrag zum Studium über den Einfluss des Adrenalins, der Bluttransfusion oder der Transfusion physiologischer, Ringerscher und glukosehaltiger Lösung nach Adrelass auf die Darmzirkulation und die Darmbewegung. Mitt. Med. Akad. Kioto, 1935, 13: 883.—Titae, A. [Intestinal potential and its relation to secretion and absorption] Biull. eksp. biol. med., 1940, 10: 165-8.

Pneumatosis cystoides.

See also subheading Emphysema.

RAIS, C. *La lymphopneumatose kystique de l'intestin chez l'homme; à propos de 2 nouveaux cas [Lausanne] 30p. 8° Delémont, 1932.

VATH, W. *Zur Kenntnis der Pneumatosis cystoides [Heidelberg] 28p. 8° Philippsb., 1935.

Aliakritsky, V. V. [Pneumatosis cystoides intestinorum] Vrach. delo, 1926, 9: 1309.—Araujo Coelho, N. Pneumatose cística do intestino. Ann. Fac. med. S. Paulo, 1939, 15: 201-23, 5 pl.—Arner, O., & Sundberg, K. [Two cases of pneumatosis cystoides intestinorum] Nord. med., 1940, 8: 1759-64.—Berglund, S. Roentgen diagnosis of pneumatosis cystoides intestinorum hominis. Acta radiol., Stockh., 1939, 29: 401-5.—Bettini, I. Contributo allo studio della pneumatosis intestinale cistica. Osp. maggiore, Milano, 1927, 3, ser., 15: 155-65, 3 pl.—Bonà, T. [Rare case of intestinal cystic pneumatosis] Chuj. med., 1932, 13: 170-3. Also Rev. st. med., Bneur., 1932, 21: 581.—Bonnamour, Badolle & Beupère. Diagnostic radiologique des kystes gazeux de l'intestin. J. radiol. électr., 1926, 10: 164-8.—Brückner, S. [Intestinal gas cysts] Polska gaz. lek., 1931, 10: 520-2.—Bsteh, O. Zur Kenntnis der Pneumatosis cystoides intestini. Arch. klin. Chir., 1934-35, 181: 707-14.—Cecil, W. A. Gas cysts of the abdomen, pneumatosis cystoides intestinalis. J. Christ. M. Ass. India, 1942, 17: 74-6.—Christmann, F. E. Neumatosis quística intestinal. Rev. cir. B. Aires, 1942, 21: 384 (Abstr.).—Cipollino, O. Un caso di pneumatosis cistica dell'intestino. Minerva med., Tor., 1928, 8: 687-91.—Damade, Bonnard & Chauvenet. La lymphopneumatose kystique de l'intestin. Bordeaux chir., 1936, 7: 145-52.—Davies, S. T. A case of enteric pneumatosis. Ind. M. Gaz., 1941, 76: 94.—Dressler, M. Die Pneumatosis cystoides intestini. Helvet. med. acta, 1939, 6: 229-54. Also Schweiz. med. Wschr., 1939, 69: 382-4.—Englung, F., & Wahlgren, F. Fall von Pneumatosis cystoides intestinorum beim Menschen. Acta chir. scand., 1935, 76: 691-14, 2 pl.—Estella, L., & de Castro, B. Sobre la poliquistosis gaseosa de intestino. Rev. cir. Barcelona, 1931, 1: 141-56.—Ferrandu, S.

Studio anatomico-patologico e interpretazione patogenetica della pneumatosis intestinale cistica. Arch. sc. med., Tor., 1935, 60: 493-540.—Forfote, E. Pneumatosis cystoides intestini. Magy. röntg. közl., 1936, 10: 1-12.—Fujita, K. Beiträge zur Kenntnis der Pneumatosis cystoides intestinorum hominis. Mitt. Med. Akad. Kioto, 1939, 27: 1182.—Holm, E. [A case of pneumatosis cystoides intestini] Hospitalstidende, 1926, 69: 413-29.—Jackson, J. A. Gas cysts of the intestine. Jackson Clin. Bull., Madison, 1940, 2: 70-7. Also Surg. Gyn. Obst., 1940, 71: 675-8.—Lamont, D. Cystic pneumatosis of the bowel. Tr. R. Med. Chir. Soc. Glasgow, 1928-29, 23: 113-8. Also Glasgow M. J., 1929, 111: 283-7.—Leo, C. La pneumocistosi sottoperitoneale (pneumatosis cystoides intestinorum hominis) Arch. ital. chir., 1926, 373-412.—Machénzky, L. [Pneumatosis cystoides intestinalis] Orv. hetil., 1929, 73: 878.—Memmi, R. Un caso di pneumatosis intestinale cistica. Policlinico, 1934, 41: sez. clin., 408-23.—Mengis, O. R. La pneumatose polykystique intestinale. Radiol. Rdsch., 1938, 7: 222-8.—Meyer-Wildisen, R. Beitrag zur Pneumatosis cystoides intestini. Schweiz. med. Wschr., 1931, 61: 546.—Miyake, H. Ueber Pneumatosis cystoides intestinorum, insbesondere deren Aetiologie. Arch. klin. Chir., 1911, 95: 429-54, pl.—Moore, R. A. Intestinal pneumatosis. Am. J. Dis. Child., 1929, 38: 818-23.—Mreyen [Pneumatosis cystoides intestinalis] Geneesk. (tschr. Ned. Indië, 1941, 81: 2169.—Muzii, M. Sui segni radiologici della pneumatosis cistica dell'intestino. Radiol. med., Milano, 1933, 20: 660-6.—Nimet, B. Ueber Pneumatosis cystoides intestini hominis. Zbl. Chir., 1934, 61: 1986-8.—Onofrio, O. Sulla pneumatosis intestinale cistica. Arch. ital. anat. pat., 1936, 7: scritti, 635-52.—Peisachavicius, L. [Intestinal and mesenteric cystoid pneumatosis] Medicina, Kaunas, 1936, 17: 671-4.—Puccinelli, V. Un caso di pneumatosis del grosso intestino; un ipotesi sull'etiologia e la patogenesi. Arch. ital. chir., 1929, 24: 70-82.—Pybus, F. C. A case of gas-cysts of the intestine. Brit. J. Surg., 1934, 21: 539.—Rabieux & Richet. Kystes gazeux de l'intestin chez le porc. Bull. Soc. sc. vét. Lyon, 1900, 3: 221.—Radu, P. [Intestinal cystic pneumatosis] Chuj. med., 1938, 19: 360-7.—Remetei, F. F. [Cases of pneumatosis cystoides perinei et coeci] Orv. hetil., 1939, 83: 814.—Romeo, M. Sopra un caso di pneumatosis intestinale cistica associata ad una rara anomalia dell'intestino grosso. Riv. chir., Nap., 1935, 1: 170-81.—Rubbiani, U. La pneumatosis cistica intestinale e mesenteriale. Proflassi, 1932, 5: 181-4.—Ruckenstein, E., & Kux, E. Ueber die Pneumatosis cystoides intestini und die Möglichkeit ihrer röntgenologischen Diagnose. Fortsch. Röntgenstrahl., 1933, 47: 661-71.—Sailer, K. A pneumatosis cystoides intestini körképéről. Orvosképzés, 1934, 24: nov. külf. (Verchely Festschr.) 66-77.—Sawada, B. Gas cysts in the intestines. J. Orient. M., Dairen, 1928, 9: 66. Also Polyclin. Dairen, 1928-30, 4: No. 7, 66.—Shaleby, Intestinal pneumatosis. J. Egypt. M. Ass., 1933, 16: 623-35.—Skibniewski, T. [Pneumatosis cystoides intestinalis (gas-containing cysts in mucous membrane of the intestines)] Polska gaz. lek., 1926, 5: 29-30.—Tinozzi, F. P. Sulla pneumatosis cistica dell'intestino. Ann. ital. chir., 1937, 16: 291-312.—Tribedi, B. P. Gas cysts of the intestine. Calcutta M. J., 1941, 38: 285-8, 2 pl.—Tung, P. C., & Ngai, S. K. Gas cysts of the intestines. China M. J., 1933, 47: 1-14, 4 pl.—Urban, H. Anatomische und röntgenologische Befunde bei der Pneumatosis cystoides intestini. Fortsch. Röntgenstrahl., 1937, 55: 231-41.—Wunderlich, M. J. Neumatosis intestinal. Cir. cirujan., Méx., 1937, 5: 413-32.—Yin, Y. C. Gas cysts of the intestine; report of 2 cases. Chin. M. J., 1937, 51: 541-4.

Poisoning.

See also subheadings (Contents: Putrefaction; Toxemia) also Food poisoning; Uremia; also under names of poisonous substances as Mercury, etc.

Crawford, I. P. Treatment of acute intestinal intoxication based upon clinical findings in the colon. N. England J. M., 1931, 205: 577-81.—Ecker, E. E., & Biskind, M. S. The effect of certain toxic substances in bacterial cultures on the intestinal movement; effect of filtrates of young cultures of the colon-typhoid group of organisms on the intestinal movement of rabbits as recorded by a new cinematographic method; correlation of this effect with the production of food poisoning by members of this group. Arch. Path., Chic., 1929, 7: 204-14.—Ecker, E. E., & Rademaekers, A. Studies on the effect of certain toxic substances in bacterial cultures on the movement of the intestines; the effect of soluble toxic substances of young cultures of Bacillus paratyphosus B. J. Exp. M., 1926, 43: 785-95, pl.—Ecker, E. E., & Schneider, D. E. Effect of certain toxic substances in bacterial cultures on the intestinal movement; the effect of the physiologically active substances of the gas bacillus on the movement of the intestine in the intact animal. Arch. Path., Chic., 1930, 9: 694-8.—Johnston, M. M., Brown, A., & Tisdall, F. P. Enteric infections in acute intestinal intoxication. Canad. M. Ass. J., 1930, 23: 231-7.

Polypsis.

See also Colon, Polyposis; Intestine, Cancer; Precancerous conditions.

Augier, P. La polypose recto-colique. 282p. 8° Par., 1932.

HELBING, E. *Beitrag zur Lehre von der Polyposis intestini und deren Beziehungen zum Carcinom. 21p. 8° [Erlangen, 1930]

JUNGHANNS, H. Die Zottengeschwülste des Dickdarms und Mastdarms. 208 l. 4° Frankf. [1935?]

LEWKOWITZ, D. *Polyposis intestini [Berlin] 20p. 8° Charlottenb., 1929.

RUH, O. [K. H.] *Polyposis coli und Carcinom; ein Beitrag zur Pathogenese. 15p. 8° Münch., 1926.

Adler, S. [Intestinal polypus] Gyógyászat, 1931, 71: 488-91.—Alley, R. G. A case of multiple polyposis of the intestine. Clifton M. Bull., 1926-27, 12: 141-5.—Balé, J., & Korpássy, B. [Comparative study of adenomatous polypi of the intestines in man, pig and cattle] Allatorv. lap., 1935, 58: 219-22.—Bargen, J. A. Inception of polyps of the intestine; their association with the relationship to malignant disease. Proc. Mayo Clin., 1940, 15: 105-7.—Bensaude, R., Hillemand, P., & Augier, P. La polyposse intestinale. Arch. mal. app. digest., Par., 1932, 22: 473-555. Also Presse méd., 1932, 40: 687-92. — Hippocratisme digital et polyposse intestinale. Bull. Soc. méd. hôp. Paris, 1932, 3, ser., 48: 93-9.—Biester, H. E., & Schwarte, L. H. Intestinal adenoma in swine. Am. J. Path., 1931, 7: 175-85, 3 pl. — Eveleth, D. F. Studies on a rapidly developing intestinal adenoma in a pig. Ibid., 1939, 15: 385-9, pl.—Blasi, R. La poliposi intestinale. Riforma med., 1931, 47: 1258-63.—Bloom, C. J. Intestinal polyposis in childhood; a report of 3 cases and a survey of the literature. N. Orleans M. & S. J., 1929-30, 82: 647-64.—Chapman, J. F. Polyposis of the large intestine; case report. Am. J. Roentg., 1928, n. ser., 20: 115-8.—Chiurco, G. A. Poliposi e cancro dell'intestino. Atti Accad. fisicor. Siena, 1934, 11, ser., 2: 123-6.—Coffey, R. J., & Bargen, J. A. Intestinal polyps; pathogenesis and relation to malignancy. Surg. Gyn. Obst., 1939, 69: 136-45.—Diliberto, O. La poliposi intestinale. Arch. ital. mal. app. diger., 1937, 6: 37-59.—Dukes, C. The hereditary factor in polyposis intestini, or multiple adenomata. Cancer Rev., Lond., 1930, 5: 241-56.—Edwards, H. C. Polyposis intestini (multiple adenomata) with secondary malignant changes. Tr. M. Soc. London, 1938, 61: 118.—Farmer, V. Polyposis of small and large bowel. J. M. Soc. N. Jersey, 1932, 29: 463-8.—Felsen, J. Intestinal polyposis; adenomatosis coli and polyposis cystica intestini. Am. J. Digest. Dis., 1936-37, 3: 589-93.—The differential diagnosis of intestinal polyposis. Internat. Congr. Campaign Cancer, 1939, 3. Congr., 185. Also Am. J. Roentg., 1941, 45: 551-7.—Feyrer, F. Zur Lehre von der Polypenbildung im menschlichen Darm. Wien. med. Wschr., 1929, 79: 338-42. — Zur Geschwulstlehre (nach Untersuchungen am menschlichen Darm; Polypen und Krebs) Beitr. path. Anat., 1931, 86: 663-760.—Fishback, H. R., & Davis, H. Operative production of intestinal polyps in animals. Proc. Inst. M. Chicago, 1942-43, 14: 50.—Gottesman, J., & Perla, D. Intestinal polyposis with an instance of multiple fibromatous polyps. Am. J. M. Sc., 1930, 179: 370-4, 2 pl.—Grandelaude & Tiprez. Polyposse et cancer de l'intestin. Bull. Ass. fr. cancer, 1931, 21: 273-82.—Hamant & Rothan. Polyposse intestinale. Rev. méd. est., 1935, 63: 401-5.—Jüngling, O. Polyposis intestini; hereditäre Verhältnisse und Beziehungen zum Carcinom. Beitr. klin. Chir., 1928, 143: 476-83.—Kerr, J. G. Polypoid disease of the colon and rectum. Dallas M. J., 1939, 25: 133-6.—Ladd, W. E., & Gross, R. E. Polyps of intestine and colon. In their Abdom. Surg. Infancy, Phila., 1941, 127-40.—Levine, V. Polyposis of the intestine. Phil., Chicago M. Soc., 1934, 36: 548. Also in Path. Conf. (Jaffé, R. H.) Chic., 1940, 794-6.—Lovisatti, N. L'indagine radiologica nella poliposi intestinale. Radiol. med., Milano, 1931, 18: 896-901.—Masciottra, R. L., & Pagés, J. M. Poliposis intestinal multiple y carcinoma. Rev. méd. quir. pat. fem., B. Air., 1939, 14: 1063-73.—Moynihan, I. W., & Gwatkin, R. Intestinal adenoma in a hog. Canad. J. Comp. M., 1941, 5: 167-9.—Nedelmann, E. Beitrag zur Darstellung der Polyposis intestini im Röntgenbilde. Zschr. Kinderh., 1932, 55: 192-6.—Oystein Hanneborg [Balantidium coli-diarrhea and intestinal polyposis] Norsk. mag. lægevid., 1933, 94: 650-9.—Oselladore, G. Poliposi intestinale e carcinoma. Minerva med., Tor., 1928, 8: pt 2, 1183-90.—Polyps of the colon and rectum. Lancet, Lond., 1940, 1: 1130.—Reichel. Darmpolypen und Darmcarcinom; ein Beitrag zur Krebsfrage. Arch. klin. Chir., 1926, 141: 702-17.—Saint, J. H. Polypi of the intestine; with special reference to the adenomata. Brit. J. Surg., 1926-27, 15: 99-119.—Schilling, H., & Berner, O. [Intestinal polyp] Norsk. mag. lægevid., 1931, 92: 602-14, pl.—Schmieden. Präcanceröse Erkrankungen des Darmes, insbesondere Polyposis. Arch. klin. Chir., 1926, 142: 512-9. — Westhues. Zur Klinik der Dickdarmpolypen und deren Beziehungen zum Dickdarmkrebs. Münch. med. Wschr., 1928, 75: 803.—Schweizer, F., & Liambias, A. Invaginación por pólipos intestinal. Arch. argent. pediat., 1939, 11: 602; 689.—Silva Pereira, G. Polyposis intestini; hereditarietate e transformação maligna. Lisboa med., 1939, 16: 356-72.—Thigpen, F. M. The diagnosis and treatment of intestinal polyps. J. M. Ass. Alabama, 1941-42, 11: 17-23.—Tønnesen, H. [Polyposis of intestine] Hospitaltidende, 1929, 72: 264; 287.—Trihedi, B. P., & Banerjee, S. K. Intestinal polyposis. Ind. M. Gaz.,

1940, 75: 725-7, 3 pl.—Uffreduzzi, O. Polipi e poliposi intestinale. Athena, Roma, 1938, 7: 23 6.—Weber, H. M. Intestinal polyposis. J. Pediat., S. Louis, 1935, 6: 720.—Wright, S. Multiple polyposis; history, X-ray, and operative findings. Rocky Mountain M. J., 1941, 38: 983-5.—Zelenskaya, E. S. [Case of multiple polyposis of the intestine] Nov. khir. arkh., 1936, 35: 419-21.

Pressure.

See also subheading Distention.

Abbott, W. O., Hartline, H. L. [et al.] A method for the measurement of intra-intestinal pressure and its clinical significance. Am. J. M. Sc., 1940, 199: 870.—Dobyns, G. J., & Dragstedt, C. A. Intraintestinal pressure and absorption from the intestine. Proc. Soc. Exp. Biol., N. Y., 1933, 30: 707-9.—Elman, R., & Aird, I. Observations on intra-intestinal pressure with special reference to absorption of saline. Ibid., 1934-35, 32: 1620-2.—Youmans, W. B., Karstens, A. I., & Aumann, K. W. Nervous pathways for the reflex regulation of intestinal pressure. Am. J. Physiol., 1941-42, 135: 619-27.

Prolapse.

See also Enteroptosis.

Almeev, A. H. S. Prolapsus et strangulatio intestini ligamentosa. Deut. tierärztl. Wschr., 1934, 42: 278.—Austin, L. J. Two cases of intestinal prolapse. Canad. M. Ass. J., 1940, 43: 369.—Benkovich, G. von. Traumatischer subkutaner Intestinalprolaps. Zbl. Chir., 1936, 63: 446-8.—Berezin, I. F. [Operative treatment of prolapse of the large intestine] Nov. khir. arkh., 1936, 35: 368-86.—Breuer, F. Ueber den traumatischen subkutanen Intestinalprolaps. Zbl. Chir., 1928, 55: 1034-8.—Fenster, E. Traumatischer subcutaner Intestinalprolaps. Mschr. Unfallh., 1938, 45: 261-5.—Gerich, O. Zur Frage des Intestinalprolapses bei postoperativer Dehiscenz der Bauchwunde. Mschr. Geburtsh. Gyn., 1931, 87: 183-91.—Greune, H. Darmprolaps beim Neugeborenen. Zbl. Chir., 1934, 61: 1761-4.—Hutson, L. R. Use of sulphamide intra-peritoneally; in relation to prolapse of the bowel following ovariectomy in a bitch. Canad. J. Comp. M., 1941, 5: 320.—Kummer, E. Le prolapsus intestinal sous-cutané par rupture de la sangle musculaire abdominale. Schweiz. med. Wschr., 1929, 59: 265-7.—Martloff, K. H. Prolapse of the intestine through a preformed opening in the great omentum. Surg. Gyn. Obst., 1939, 50: 899-902.—Milletti, M. Il prolasso intestinale sottocutaneo post-traumatico; con una osservazione personale. Arch. ital. chir., 1940, 58: 503-22.—Potapov, V. G. Subcutaneous prolaps of intestines. Nov. khir. arkh., 1936, 36: 278.—Rostock, P. Subkutaner Intestinalprolaps traumatischen Ursprungs. Zbl. Chir., 1935, 62: 971-8.—Schütz, H. Traumatischer subkutaner Intestinalprolaps. Deut. Zschr. Chir., 1930, 223: 367-74.—Weber, Traumatischer subkutaner Intestinalprolaps. Zbl. Chir., 1928, 55: 1745.

Protozoa.

See also subheading Parasites; also under names of protozoa and protozooses as Amebiasis; Blastocystis; Eimeriidae; Giardia; Giardiasis, etc. BACH, F. W. Leitfaden zur Untersuchung auf die parasitischen Protozoen des menschlichen Darm-Kanals. 140p. 8° Jena, 1929.

DEFAUX, J. *Entéro-colites à protozoaires (amibiase, spirochétozes, lambliaze) [Paris] 186p. 8° Lille, 1922.

LYNCH, K. M. Protozoan parasitism of the alimentary tract; pathology, diagnosis and treatment. 258p. 8° N. Y., 1930.

TERRIAL, G. *La recherche et le diagnostic parasitologique des protozoaires intestinaux en coprologie clinique. 79p. 8° Par., 1931.

Adler, S., & Foner, A. Culture of intestinal protozoa. Lancet, Lond., 1941, 1: 243.—Albert, H. Technique of examination of feces for amebae and other intestinal protozoa. Arch. Path., Chic., 1927, 3: 235-7.—Aléxiéeff, A. Matériaux pour servir à l'étude des protistes coprozoïtes. Arch. zool. exp., Par., 1928-29, 68: 609-98, 11 pl.—Alodi, A. Sulla patogenicità di taluni parassiti dell'intestino umano (lamblasi; Chilomastix mesnili; Amoeba coli) Arch. pat., 1930-31, 10: 139-76.—Barrow, J. V. Intestinal protozoa; their relation to certain diseases; diagnosis and treatment. California West. M., 1928, 29: 303-8.—Becker, E. R. Detection of intestinal protozoan infections by the cultivation method. J. Parasit., Urbana, 1925-26, 12: 219.—Bichunsky, I. M. [Protozoal affections of the intestines] Sovet. vrach. J., 1936, 1: 967-82.—Bonhius, A. Clinical aspects of intestinal protozoanosis. California West. M., 1926, 24: 357-61.—Borland, J. L. Factors in the diagnosis of intestinal protozoa in man and in the interpretation of the findings. Am. J. Digest. Dis., 1940, 7: 401-7.—Boughton, D. C., & Byrd, E. E. On the incidence of mixed infections with intestinal protozoa. Am. J. Hyg., 1938, 27: 88-94.—Costanzi, F. Sindromi morbide nell'uomo da associazione di balantidi e

- lambie. Diagnosi, 1928, 8: 155-85.—**Craig, C. F.** Protozoal infections of the intestine. In *Dis. Digest. System* (Portis, S. A.) Phila., 1941, 776-812.—**Curran, J. A.** Experiments with the use of carmine stains for the detection and differentiation of intestinal protozoa. *Am. J. Trop. M.*, 1928, 8: 353-62.—**Della Casa, V.** Contributo allo studio sulla patogenicità della *Lambia intestinalis* e del *Blastocystis hominis*. *Med. prat.*, Nap., 1926, 11: 419.—**L'almateina** nelle affezioni intestinali da protozoi. *Arch. ital. sc. med. col.*, 1933, 14: 575-8.—**Garibaldi, M.** Protozoismo intestinale nell'età infantile. *Prat. pediat.*, Milano, 1935, 13: 545-53.—**Gartye, E.** [Protozoa in the intestines of children] *Sborn. trud. vrach. dietsk. klin. Imp. voyen. med. Akad.*, S. Peterb., 1908, 102-38.—**Gleser, H. T., & Elkonina, V. A.** [Intestinal protozoa in the etiology of gastro-intestinal affections in children] *Pediatr.*, Moskva, 1937, No. 7, 45-52.—**González, G.** Flagellosis intestinales. *Rev. med. cir. Brasil*, 1935, 43: 693-700.—**Rivarola, J. B.** Coloración vital en protozoología intestinal. *Rev. san. mil.*, Asunción, 1937-38, 10: 471-4.—**Greenway, D.** Protozoosis intestinal del hombre. *Dia méd.*, B. Air., 1932-33, 5: 141.—**Grigorakis, L.** Parasitisme et pseudo-parasitisme intestinal par les protozoaires. *Lyon méd.*, 1929, 144: 517-27.—**Gucrin, F. H., & Pons, R.** Culture de *Blastocystis hominis* et des protozoaires parasites intestinaux de l'homme. *Arch. Inst. Pasteur Indochine*, 1925, No. 2, 213-21, pl.—**Hegner, R.** Pathogenicity of human intestinal protozoa. *Arch. Path.*, Chic., 1927, 3: 1009-27.—**Excystation in vitro of human intestinal protozoa.** *Science*, 1927, 65: 577.—**Transmission of intestinal protozoa from man and other animals to parasite-free fowls.** *Am. J. Hyg.*, 1929, 9: 529-43.—**Chiu, H. J.** A comparative study of the intestinal protozoa of wild monkeys and man. *Ibid.*, 1930, 12: 62-108, 2 pl.—**Hegner, R., & Eskridge, L.** Influence of carbohydrates on intestinal protozoa in vitro and in vivo. *Ibid.*, 1935, 21: 121-34.—**Horowitz, A., Sautet, J., & Terrial, G.** Remarques sur le rôle pathogène de quelques protozoaires parasites intestinaux de l'homme. *Arch. mal. app. digest.*, Par., 1930, 20: 582-99.—**Hummel, H. G.** Amebic granuloma of the rectum and balantidiasis in the same patient. *Am. J. Digest. Dis.*, 1940, 7: 178.—**Jelks, J. L.** Parasitic intestinal infections; with special reference to flagellate and amebic infections, and practical methods of diagnosis and treatment. *Tr. Am. Proct. Soc.*, 1926, 27: 12-9.—**Kessel, J. F.** Host-parasite relationships of certain intestinal protozoa important to medical zoology. *J. Am. M. Ass.*, 1928, 90: 1089-92.—**Mason, V. R.** Protozoan infection of the human bowel; a comparison of laboratory and clinical observations. *Ibid.*, 1930, 94: 1-6.—**Kidder, G. W.** The intestinal protozoa of the wood-feeding roach *Panesthia*. *Parasitology*, Lond., 1937, 29: 163-205, 3 pl.—**Knight, A. A.** Improved methods in the diagnosis and treatment of protozoan infections of the intestine. *Illinois M. J.*, 1942, 82: 263-7.—**Improved methods of diagnosis and treatment of intestinal protozoa.** *Proc. Inst. M. Chicago*, 1942-43, 14: 217.—**Knowles, R., & Das Gupta, B. M.** Some observations on the intestinal protozoa of macaques. *Ind. J. M. Res.*, 1936-37, 24: 547-56, pl.—**Kofoid, C. A., & McNeil, E.** The advantages of Locke's blood medium in the culture of parasitic protozoa of the digestive tract. *Am. J. Hyg.*, 1932, 15: 315-7.—**Notes on various media used in the culture of intestinal protozoa.** In *Cult. Meth. Invertebr.* (Galtsoff, P. S., et al.) Ithaca, 1937, 86-9.—**Kopac, M. J.** Chemical nature of the cyst wall in human intestinal protozoa. *Proc. Soc. Exp. Biol.*, N. Y., 1931, 29: 100-2.—**Levi della Vida, M.** Le phénomène de Bordet-Gengou dans les infections à protozoaires. *Fol. haemat.*, Lpz., 1908, 5: 81.—**Levitanskaja, P. B.** Réaction nucléaire de Feulgen chez les protozoaires intestinaux. *Bull. biol. méd. exp. URSS*, 1938, 6: 403-7.—**Léger, L., & Dubosec, O.** Protozoaires parasites de l'intestin du homard. *C. rend. Acad. sc.*, 1909, 148: 363-5.—**Lynch, K. M.** The effects of intestinal protozoa. *Proc. Internat. Postgrad. M. Ass. N. America* (1928) 1929, 377-80.—**Intestinal protozoa in clinical medicine.** *J. Lab. Clin. M.*, 1931-32, 17: 661-6.—**May, E.** The behavior of the intestinal protozoa of termites at the time of the last ecdysis. *Tr. Am. Mic. Soc.*, 1941, 60: 281-92, incl. pl.—**Meleney, H. E.** The duration of human infection with *Endamoeba histolytica* and other intestinal protozoa. *J. Parasit.*, Lancaster, 1942, 28: 93.—**Nuti Evelich, E.** Delle infestazioni intestinali da protozoi. *Med. nuova*, 1936, 27: 295-306.—**Odirosola, R.** Ein Beitrag zum Studium der Protozoenerkrankung des Darmes beim Kinde. *Arch. Schiffs Tropenhyg.*, 1930, 34: 643-51.—**Paulson, M., & Andrews, J. M.** Studies on the human large intestine; protozoa; their detection and incidence by sigmoidoscope; their cultivation; some observations on the bacteriology of the large intestine. *Tr. Am. Gastroenter. Ass.* (1927) 1928, 30: 117-28.—**The detection and incidence of human intestinal protozoa by the sigmoidoscope.** *J. Am. M. Ass.*, 1927, 88: 1876-9.—**The incidence of human intestinal protozoa in duodenal aspirates.** *Ibid.*, 1930, 94: 2063-5.—**Peckolt, W., & Prado, A.** Contribution au traitement des protozooses intestinales par le Jaecaranda decurrens Cham. (Bignoniaceae). *C. rend. Soc. biol.*, 1934, 117: 719.—**Pestana, B. R.** Considerações acerca de alguns protozoários e outros parasitas encontrados em fezes humanas (resultado de 477 exames fezes). *Ann. paul. med.*, 1917, 8: 101-13, pl.—**Ratcliffe, H. L.** Gastric mucus as a culture medium for intestinal protozoa. *Proc. Soc. Exp. Biol.*, N. Y., 1934, 31: 602.—**Reed, A. C.** Intestinal protozoa in general practice. *California West. M.*, 1926, 24: 50-4.—**Reichenow, E.** Die pathogenetische Bedeutung der Darmprotozoen des Menschen. *Zbl. Bakt.*, 1. Abt., 1931, 122: 195-213.—**Sangiorgi, G.** Forme rare di protozoi intestinali nelle puglie. *Pathologica*, Genova, 1938, 30: 121.—**Sassuchin, D. N., Popoff, P. P.** [et al.] Ueber parasitische Infektion bei Darmprotozoen. *Arch. Protistenk.*, 1930, 71: 229-31, pl.—**Sczenowicz, V. B.** [Data on the occurrence of *Balantidium coli* and other intestinal protozoa in man] *Med. parazit.*, Moskva, 1941, 10: 252-60.—**Seleznov, A. V.** [Infection of the intestinal tract by protozoa] *Tr. Perm. med. inst.*, 1933, 95: 100.—**Smith, T.** Aberrant intestinal protozoan parasites in the turkey. *J. Exp. M.*, 1916, 23: 293-8, pl.—**Svensson, R., & Linders, F. J.** The chances of detecting infections with intestinal protozoa. *Acta med. scand.*, 1934, 81: 267-324.—**Thomson, J. G.** The diagnosis and treatment of some common intestinal protozoal infections. *Practitioner*, Lond., 1932, 129: 84-94.—**Torres Umaña, C.** Las diarreas de protozoarios en los lactantes. *Pediat. Américas, Méx.*, 1943, 1: 89-93.—**Walker, E. L.** The cultivation of the parasitic flagellate and ciliata of the intestinal tract. *J. Med. Res.*, 1908, 18: 487-95.—**Wenrich, D. H.** Study of the morphology and life histories of the intestinal protozoa of man; continuation of a study of nuclear variations in the parasitic amoebae of man. *Yearb. Am. Philos. Soc.* (1937) 1938, 178-80.—**Protozoa: Statistics.**
BIJLSMA, U. G. *Onderzoek naar het voorkomen van darmprotozoen bij Nederlanders. 95p. 8°. Utrecht, 1919.
DEMMLER, M. *Ueber das Vorkommen menschlicher Darmprotozoen in Zwickau [Leipzig] 12p. 8°. Zeulenroda, 1934.
MÖRGNER [A.] K. *Ueber das Vorkommen menschlicher Darmprotozoen in Leipzig [Leipzig] 18p. 8°. Zeulenroda, 1935.
Arnett, J. H., Wenrich, D. H., & Stahler, R. M. A survey of 401 college freshmen for intestinal protozoa. *Am. J. Trop. M.*, 1933, 13: 311-5.—**Azim, M. A.** The incidence of intestinal protozoa among Egyptians. *C. rend. Congr. internat. méd. trop. hyg.*, 1932, 1. Congr., 4: 257-60.—**Beltrán, E.** La dispersión de protozoarios intestinales humanos por las moscas, en la ciudad de México. *Gac. méd. México*, 1937, 67: 365-89.—**Larenas, M. R.** Protozoarios intestinales en una comunidad escolar de la ciudad de México. *Rev. Inst. salub. enferm. trop.*, Méx., 1941, 2: 193-212.—**Bensen, W.** Die Darmprotozoen des Menschen. *Arch. Schiffs Tropenhyg.*, 1908, 12: 661-76.—**Borland, J. L.** The minimum incidence of intestinal protozoa in a representative sampling of the adult population in Florida. *South. M. J.*, 1939, 32: 364-70.—**Boulenger, C. L.** Records of the occurrence of intestinal protozoa in British and Indian troops in Mesopotamia. *Ind. J. M. Res.*, 1919-20, 7: 1-7.—**Bourret.** Recherches sur le parasitisme intestinal, la dysenterie et la maladie du sommeil à Saint-Louis (Sénégal) *Ann. hyg.*, Par., 1913, 16: 283-307.—**Causey, D.** The incidence of infection with intestinal protozoa in New Jersey. *J. M. Soc. N. Jersey*, 1929, 26: 624-7.—**Chapurskaya-Bazhenova, N. A.** [Results of examination of the intestinal tract for protozoa, of inhabitants of old Tashkent (Siberia)] *Trop. med. vet.*, Moskva, 1930, 8: 1-8.—**Chiba, E.** Studies on various intestinal protozoa of man in Chosen. *J. Chosen M. Ass.*, 1939, 19: 1316; 1586.—**Covey, G. W.** Protozoan infections of the bowel in Nebraska. *Nebraska M. J.*, 1926, 11: 220-2.—**Protozoan parasites in the intestine of man; a report of 12 additional cases observed in this locality** *Ibid.*, 1927, 12: 203-7.—**D'Antoni, J. S.** Standardization of the iodine stain for wet preparations of intestinal protozoa. *Am. J. Trop. M.*, 1937, 17: 79-84.—**Demina, N. A.** [Intestinal protozoa in man, in Sukhum] *Med. parazit.*, Moskva, 1932, 1: 245.—**Dennis, E. W., & Lund, E. E.** Studies on the intestinal protozoa of man in Syria and Lebanon; the incidence of intestinal protozoa in hospital patients at Beirut. *Tr. R. Soc. Trop. M. Hyg.*, Lond., 1936-37, 30: 407-22.—**Epstein, G. V.** [Spread of intestinal protozoa in man in the Ural region] *Med. parazit.*, Moskva, 1933, 2: 273-6.—**Zerchaninov, L. K.** [Data on the distribution of intestinal protozoa among the population of the Ural region] *Ibid.*, 1932, 1: 235-7.—**Faust, E. C.** A study of the intestinal protozoa of a representative sampling of the population of Wise County, Southwestern Virginia. *Am. J. Hyg.*, 1930, 11: 371-84.—**Frye, W. W., & Meleney, H. E.** Investigations of *Endamoeba histolytica* and other intestinal protozoa in Tennessee: a study of flies, rats, mice and some domestic animals as possible carriers of the intestinal protozoa or man in a rural community. *Ibid.*, 1932, 16: 729-49, 2 pl.—**Garin, C., & Roman, E.** L'infestation des mineurs du bassin de la Loire par des protozoaires intestinaux. *Bull. Soc. path. exot.*, Par., 1938, 31: 904-7.—**Glikina, E. L.** [Intestinal protozoa among the population of Krasnodar] *Tr. Kuban. gosud. med. inst. armii*, 1938, No. 11, 104-6.—**Gnezdirov, V. G.** [Parasitic intestinal protozoa in Uzbekistan] *Tr. Acad. mil. méd. Kirov*, 1934, 1: 400-11.—**González, G., & Rivarola, J. B.** Contribución al estudio de las parasitosis intestinales en el Paraguay (amebas, giardias, chilomastix y trichomonas) *An. Inst. nac. parasit.*, Asunción, 1930, 3: 5-135.—**Hegner, R., Beltrán, E., & Hewitt, R.** Protozoarios intestinales humanos en México. *Rev. Inst. sal. enferm. trop.*, Méx., 1939-40, 1: 151-78. Also *Am. J. Hyg.*, 1940, 32: sect. C, 27-44.—**Hinshaw, H. C., & Showers, E. M.** A survey of human intestinal protozoan parasites in Philadelphia. *Am. J. M. Sc.*, 1934, 188: 108-16.—

Jakimov, W. L. Les protozoaires et les infections de l'intestin en Transcaucasie. Bull. Soc. path. exot., Par., 1921, 14: 649-52.—**Kabler, P.** Incidence of infection with intestinal protozoa in Minnesota. Am. J. M. Sc., 1935, 190: 103-6.—**Kessel, J. F.** & **Sinitsin, D.** A survey of intestinal protozoa among children and adults in Los Angeles. J. Parasit., Lancaster, 1938, 24: 433-6.—**Kouri, P.** **Basnuevo, J. G.** [et al.] Las protozoosis intestinales en la ciudad de la Habana. Rev. med. trop. parasit., Habana, 1938, 4: 271-3.—**Lörincz, F.** Ueber das Vorkommen von menschlichen Darmprotozoen in Ungarn. Arch. Schiffs Tropenhyg., 1933, 37: 276-82. Also Orv. hetil., 1933, 77: 150; 180.—**Lund, E. E.** & **Dennis, E. W.** Studies on the intestinal protozoa of man in Syria and Lebanon; a survey of the incidence and distribution of intestinal protozoa in the general population. Tr. R. Soc. Trop. Med. Hyg., Lond., 1939-40, 33: 319-34.—**McDaniels, H. E.** **Burton, E.** & **Arnold, L. E.** histolytica and other protozoa in the personnel of a Chicago hospital. Am. J. Digest. Dis., 1936-37, 3: 526-8.—**Maplestone, P. A.** Human intestinal protozoa in North Queensland. Ann. Trop. Med. Parasit., Liverpool, 1920-21, 14: 283-93.—**Marques da Cunha, A.** Protozoários intestinaes das creanças no Rio de Janeiro. Sciencia med., Rio, 1928, 6: 103-9.—**Mathewossian, S. T.** Untersuchung der Bevölkerung des Rayons von Idjewan (Armenien, Transkaukasien) auf Darmprotozoen. Arch. Schiffs Tropenhyg., 1928, 32: 320-4.—**Meleney, H. E.** Community surveys for Endamoeba histolytica and other intestinal protozoa in Tennessee. J. Parasit., Urbana, 1929-30, 16: 146-53.—**Miller, M. J.** The intestinal protozoa of man in Saskatchewan. Canad. M. Ass. J., 1939, 41: 120-4. — The intestinal protozoa of man in midwestern Canada. J. Parasit., Lancaster, 1939, 25: 355-7.—**Nauss, R. W.** & **Salinger, M. H.** Amebic and other intestinal protozoal infestations in representative groups of New York city. Am. J. Pub. Health, 1935, 25: 819-28.—**O'Connor, F. W.** Intestinal protozoa found during acute intestinal conditions amongst members of the Egyptian Expeditionary Force, 1916-17. Parasitology, Lond., 1918-19, 11: 239-55, 2 pl.—**Panagia, A.** I protozoi parassiti intestinali dell'uomo in 500 casi esani consecutivi di feci, eseguiti nell'Istituto di parasitologia medica di Roma. Policlinico, 1934, 41: sez. prat., 368-71.—**Peshkov, M. A.** [Intestinal protozoa in the Russian and Buriat populations in the Selenga Aymak] Med. parazit., Moskva, 1932, 1: 237-9.—**Pessôa, S. B.** & **Corrêa, C.** Considerações acerca de alguns protozoários encontrados nas fezes do homem em São Paulo. Fol. med., Rio, 1927, 8: 85-7.—**Pokrovsky, S. N.** & **Zima, G. G.** [Preliminary data on the distribution of intestinal protozoa according to data from the Stalingrad regional station] Med. parazit., Moskva, 1942, 11: No. 4, 125.—**Poslavsky, E. V.** [Amebiasis and lamblia in the Essentuki Sanatorium] Ibid., 1936, 5: 99-107.—**Roche, W.** Intestinal protozoa in Salouica war area. J. R. Army M. Corps, 1917, 28: 386-8. Also Lancet, Lond., 1917, 1: 297.—**Rodríguez López-Neyra, C.** & **Suárez Peregrin, E.** Contribución al estudio de las protozoosis intestinales del hombre en España con indicación de varias especies nuevas en la Península. Rev. españ. med. cir., 1934, 17: 217-20.—**Sdrodowski, P.** Zur Charakteristik der Darmprotozoen bei Menschen in Aserbeidschan. Arb. Tropenkr. (Festschr. B. Nocht) 1927, 512-6.—**Stabler, R. M.** Intestinal protozoa in 106 parasitology students. J. Parasit., Lancaster, 1941, 27: 90.—**Svensson, R. M.** A survey of human intestinal protozoa in Sweden and Finland. Parasitology, Lond., 1928, 20: 237-49.—**Taddia, L.** Sulla patogenicità dei protozoi intestinali nei Somali. Ann. med. nav., Roma, 1938, 44: 228.—**Terrill, L.** La fréquence des protozooses intestinales à Paris. Prat. méd. fr., 1931, 12: 414-6.—**Tsaturian, A. T.** [Intestinal protozoan diseases in Erivan] Med. parazit., Moskva, 1941, 10: 260-4.—**Tsuchiya, H.** Incidence of protozoan infections of intestinal tract among children in Saint Louis. Proc. Soc. Exp. Biol., N. Y., 1930-31, 28: 709. — A survey of intestinal protozoa among children in St. Louis. J. Lab. Clin. M., 1931, 17: 133-8.—**Wenrich, D. H.** **Stabler, R. M.** & **Arnett, J. H.** Endamoeba histolytica and other intestinal protozoa in 1,000 college freshmen. Am. J. Trop. M., 1935, 15: 331-45.—**Wenyon, C. M.** & **O'Connor, F. W.** An inquiry into some problems affecting the spread and incidence of intestinal protozoal infections of British troops and natives in Egypt, with special reference to the earlier question, diagnosis and treatment of amoebic dysentery, and an account of 3 new human intestinal protozoa. J. R. Army M. Corps, 1917, 18: 151; 346, pl.; 461.—**Wight, T.** Routine stool examinations for protozoa at a United States Veterans' Hospital. U. S. Veterans Bur. M. Bull., 1926, 2: 557-63.—**Young, C. J.** Human intestinal protozoa in Amazonas. Ann. Trop. M. Parasit., Liverpool, 1922-23, 16: 93-8.—**Zerchaninov, L. K.** [Intestinal protozoa in the Northern Ural] Med. parazit., Moskva, 1936, 5: 119-22.

— Ptois.

See Enteroptosis.

— Radiology.

See also subheadings (Disease: Diagnosis; Examination; Intussusception: Diagnosis, etc.)

Aubourg, P. Les résultats pratiques de l'examen radiologique du gros intestin. J. diét., Par., 1912, 3: 4-14.—**Baeigalupi, M.** Sulla importanza pratica della proiezione laterale del Basi nelle affezioni del cieco e appendice. Riv. radiol., 1930, 2: Suppl. No. 1, 127.—**Bauermeister, W.** Barium 3 Wochen lang im

Darm? Fortsch. Röntgenstrahl., 1927, 36: 1247-9.—**Bertel, G.** Sui metodi d'inclinazione radiologica per una più esatta interpretazione di alcuni sintomi di affezioni del grosso intestino. Arch. radiol., Nap., 1931, 7: 297-334.—**Bozzetti, G.** Un nuovo e semplice tipo di auto-seriografo selettore. Riv. radiol., 1931, 5: pt 1, 729-42.—**Breydo, B. S.** [Cases of complications following roentgenoscopy of the intestinal tract] Sovet. vrach, J., 1939, 43: 355-8.—**Bukey, F. S.** & **Bliven, C. W.** Errors in reported studies of enteric coatings. J. Am. Pharm. Ass., 1936, 25: 119-22.—**Crane, A. W.** & **Wruble, M.** Enteric coatings; clinical investigations. Am. J. Roentg., 1938, 39: 450-7.—**Fränkel, A.** Röntgendiagnostik an Dickdarm und Wurmfortsatz, insbesondere: Appendektomie und Operation. Beihfte Med. Klin., Berl., 1929, 25: 15-7.—**Holzknrecht, G.** Exploración del intestino por los rayos roentgen. An. cienc. méd., Madr., 1912, 3, ser. 8: 91-103.—**Horder, T.** **Barclay, A. E.** & **Walton, A. J.** The value of the opaque meal in the diagnosis of diseases of the intestinal tract. Brit. J. Radiol., 1929, n. ser., 2: 99-135.—**Kenning, J. C.** & **Lofstrom, J. E.** The elimination of intestinal gas shadows in roentgenography. Am. J. Roentg., 1937, 37: 28-32.—**Laurell, H.** Ueber die Lagerung von freier Flüssigkeit, freiem Gas und beweglichen gasgeblähten Därmen in der Bauchhöhle. Acta radiol., Stockh., 1927, 8: 109-19.—**Ledoux-Lebard, L.** Le radiodiagnostic dans les affections du gros intestin (rapport; conclusions de l'auteur) Arch. électr. méd., 1925, 35: 55.—**McElfatrick, G. C.** The X-ray study of large intestines. Delaware M. J., 1930, 2: 26-30.—**Möhlmann, T.** Zur Technik des Kontrasteinlaufes. Fortsch. Röntgenstrahl., 1928, 37: 858.—**Orndoff, B. H.** Roentgen-ray studies of the appendix, cecum and ascending colon. J. Am. M. Ass., 1926, 87: 1294-7.—**Renaux, R.** Sur une nouvelle méthode de radiodiagnostic intestinal. Bull. Soc. méd. Paris, 1938, 399-405.—**Révész, V.** Barium 43 Tage lang im Darm. Röntgenpraxis, 1929, 1: 371-4.—**Romagnoli, M.** Contributo allo studio radiologico del crasso normale nel lattante. Rass. clin. ter., 1931, 30: 185-239.—**Rybak, A. M.** [Roentgen diagnosis of diseases of the large intestine] J. usov. vrach., 1929, 7: 314-6.—**Sarasin, R.** Un appareil simplifiant la technique d'administration des lavements opaques, spécialement pour la muqueuse. Bull. Soc. radiol. méd. France, 1932, 20: 276, pl.—**Saupe, E.** Ueber neuere Methoden der röntgenologischen Dünn- und Dickdarmuntersuchung und ihre Ergebnisse. Med. Welt, 1934, 8: 941; 977.—**Schnelle, G. B.** The veterinary radiologist; the intestine. North Am. Vet., 1939, 20: No. 5, 55-60.—**Shanks, S. C.** Small intestine, appendix and large intestine [X-ray diagnosis] In Textb. X-ray Diagn. (Shanks, S. C., et al.) Lond., 1938, 2: 197-301.—**Weber, H. M.** X-ray diagnosis of organic lesions of large intestine. In Cyclop. Med. (Piersol-Bortz) Phila., 1940, 13: 78-113.—**Weber, K.** Die Röntgen-diagnostik des Dünn- und Dickdarms. Jahrb. Röntg., 1930, 1: 79-84; 1931, 2: 105-13.

— Rupture.

See also subheadings (Injury; Perforation)

BÖDEKER, E. *Ueber Darmrupturen ohne Verletzung der Bauchdecken [Marburg] 24p. 8°. Landau, 1931.

BONTÉ, J. *Ruptures intestinales produites par l'air comprimé. 44p. 8°. Par., 1926.

DAUSSY, A. *Contribution à l'étude des ruptures de l'intestin par l'air comprimé. 60p. 8°. Par., 1935.

FLADE [T.] W. *Zur Kasuistik der Darmrupturen, hervorgerufen durch stumpfe Gewalt; ein Fall von Berstung des Colon ascendens nach Hufschlag (Auszug) [Leipzig] 8p. 8°. Dresd., 1923.

SCHELKMANN, H. *Darmrisse bei Stoss gegen die Bauchwand in gerichtsärztlicher Beziehung [Münster] 24p. 22cm. Düsseld., 1935.

SCHRÖDER, M. *Zur Frage der Berstung des gesunden Darmes unter dem Einfluss plötzlich einsetzenden Bauchpressendruckes [Berlin] 41p. 8°. Charlottenb., 1933.

Ballotta, F. Due casi di rottura traumatica del tubo digerente. Arch. antrop. crim., Tor., 1927, 47: 688-97.—**Berman, H.** & **Rosner, H.** Rupture of the intestine following severe abdominal muscular strain. Am. J. Surg., 1942, 58: 137-9.—**Berman, J. K.** Rupture of the intestine without external wound. J. Indiana M. Ass., 1928, 21: 198-201.—**Billi, A.** Le rotture pneumatiche dell'intestino. Clin. chir., Milano, 1938, 41: 463-74.—**Boevé, H. J.** [Intestinal rupture from compressed air] Ned. tscr. geneesk., 1930, 74: pt 2, 5599.—**Breuning, W.** Darmzerreissung ohne äussere Gewalteinwirkung. Zbl. Chir., 1929, 56: 726-8.—**Brofeldt, S. A.** Zur Pathogenese der Berstungsrupturen im Darm. Acta chir. scand., 1925, 58: 256-88.—**Brown, W.** Traumatic rupture of the intestine without external sign of injury. Glasgow M. J., 1934, 121: 184-6.—**Burt, C. A. V.** Pneumatic rupture of the intestinal canal with experimental data showing the mechanism of perforation and the pressure required. Arch. Surg., 1931, 22: 875-902.—**Burton, R. H.** Adynamic intestinal obstruction from peri-

tonitis due to traumatic rupture of the intestine, with report of a case. Los Angeles M. J., 1903-4, 1: 384-8. **Canuto, G.** In quale momento di una reiterata colluttazione si ebbe il trauma che produsse rottura dell'intestino? Arch. antrop. crim., Milano, 1940, 60: 64-65. **Capechi, E.** Sulle rotture traumatiche dell'intestino. Gazz. internaz. med. chir., 1928, 33: 567-76. **Chi, C. K.** Rupture of the intestine without external wound; report of 4 cases. Nat. M. J. (China), 1931, 17: 722-8. **Chien, S. Y.** The traumatic rupture of intestine. China M. J., 1936, 50: 927-34. **Cooke, H. H.** Traumatic rupture of the intestines caused by automobile accidents. Ann. Surg., 1932, 96: 321. **Crook, J. L.** Rupture of intestine from abdominal contusion; report of a case. Tr. South. Surg. Ass. (1925) 1926, 38: 83-94. **Cseréy-Pechány, A.** [Subcutaneous rupture of the intestine] Budapesti orv. ujs., 1937, 35: 1097. **Danielli, M.** Contributo clinico alla conoscenza delle cosiddette rotture sottocutanee traumatiche dell'intestino. Diagnosi, 1929, 9: 139-64. **Degenhardt, H.** Ein seltener Fall von subkutaner Darmruptur. Zbl. Chir., 1926, 53: 1690. **Dietrich, A.** Begutachtung einer seltenen Darmverletzung. Chirurg, 1932, 4: 513-6. **Esau, P.** Darmzerreissungen ohne Einwirkung äusserer Gewalt. Zbl. Chir., 1927, 54: 2963-6. **Faivshenko, E. L.** [Multiple subcutaneous ruptures of the intestine] Khirurgia, Moskva, 1937, No. 3, 128-30. **Gjessing, M. H.** [Case of rupture of the intestine with incarceration] Med. rev., Bergen, 1932, 49: 29-33. **Guzzetta, A. J.** Pneumatic rupture of the intestine; a case report. J. Internat. Coll. Surgeons, 1942, 5: 522. **Hays, G. L.** Pneumatic rupture of the bowel. Surg. Gyn. Obst., 1926, 43: 491-7. **Houzel, G.** Les ruptures de l'intestin par l'air comprimé. Arch. méd. chir. province, 1926, 16: 513-24. **Jakushov, G. Z.** [Traumatic hidden ruptures of the intestine] Sovet. khir., 1931, 1: 222-8. **Kimura, I.** Subcutaneous rupture of the intestine caused by abdominal muscular pressure. Jap. J. M. Sc., 1934-36, 4: Surg., 271. **Krylov, A. A.** [Subcutaneous ruptures of the intestines of traumatic origin] Klin. J. Saratov., 1928, 5: 111-21. **Lauterburg, W.** Beitrag zur Kasuistik subkutaner traumatischer Darmrupturen. Schweiz. med. Wschr., 1927, 57: 1200. **Lepoutre, C., & Williatte.** Contusion abdominale; rupture totale de l'intestin; opération à la 6. heure; guérison. J. se. méd. Lille, 1924, 42: pt 2, 365-8. **Liedberg, N.** Zur Klinik der traumatischen subcutanen Darmruptur. Acta chir. scand., 1941, 85: 325-46. **Lunckenhein.** Darmzerreissung durch die Bauchpresse. Deut. Zschr. Chir., 1929, 215: 339. **MacMillan, S. F.** Subparietal rupture of the intestine due to muscular effort; report of 2 cases. Ann. Surg., 1940, 111: 49-52. **McNamara, F. P.** Traumatic rupture of the intestines. J. Iowa M. Soc., 1934, 24: 292-4. **Mage, S.** Rupture of intestine into abdominal scar. Ann. Surg., 1938, 107: 472. **Medearis, D. N.** Spontaneous rupture of the intestine in the new-born infant. Am. J. Dis. Child., 1933, 45: 114-7. **Milkó, W.** Zur Mitteilung Degenhardt's: Ein seltener Fall von subkutaner Darmruptur. Zbl. Chir., 1926, 53: 2461. [Subcutaneous rupture of the bowel with initial symptomless period] Orv. hetil., 1936, 80: mell., 194. **Minin, N. I.** [Problem of subcutaneous rupture of the intestines] Khirurgia, Moskva, 1939, No. 7, 61-4. **Morris, R. B.** Pneumatic rupture of the intestine, with Roentgen-ray studies following recovery. Am. J. Roentg., 1927, n. ser., 18: 560-2. **Mufson, S.** Rupture of intestine from forced protrusion or reduction of hernia. Am. J. Surg., 1939, 44: 467-73. **Necse, C. C.** Rupture of the intestinal canal with compressed air. Tr. Am. Proct. Soc., 1937, 38: 81. **Niederle.** [Spontaneous ruptures of intestines] Cas. l'ek. česk., 1926, 65: 124-7. **Noble, T. B.** Intra-uterine rupture of the intestine (case report). J. Indiana M. Ass., 1931, 24: 553. **Ossipov, B. K.** [A case of traumatic rupture of the intestine without injury to the gastric wall] Vrach. gaz., 1928, 32: 1359. **Panshin, Z. N.** [Three cases of subcutaneous rupture of the intestine] Sovet. khir., 1932, 2: 238. **Paterson, D. C.** Compressed air rupture of intestines. Tr. N. England Surg. Soc., 1929, 12: 184-92. **Pittoni, E.** Sulle rotture sottocutanee traumatiche dell'intestino. Gazz. internaz. med. chir., 1926, 31: 283-8. **Poer, D. H., Ferguson, I. A., & Oliver, E. W.** Traumatic rupture of the intestine due to nonpenetrating wounds of the abdomen. Surgery, 1941, 10: 530. **Reeves, C. W.** Traumatic rupture of intestines due to air under pressure; with report of 3 cases. J. Nat. M. Ass., Newark, 1931, 23: 72-4. **Ruptures (Les)** de l'intestin par l'air comprimé et leur traitement. Rev. gén. clin. théor., 1935, 49: Suppl., 1702-6. **Russell, T. H.** Spontaneous rupture of the intestine in the new-born. J. Am. M. Ass., 1928, 90: 1431-4. Also Tr. N. England Surg. Soc., 1939, 22: 286-94. **Sinichenko, G. G.** [Rupture of the intestinal tract without injury of the abdominal wall] Vrach. delo, 1931, 14: 131-4. **Skiles, J. H.** Prenatal rupture of the intestine with subsequent dystocia. J. Am. M. Ass., 1928, 99: 1618. **Smith, F. O.** Intestinal rupture without penetrating wound of the abdominal wall. J. Philippine Islands M. Ass., 1936, 16: 33-6. **Takemura, B., & Odatsune, A.** Statistical observations of the traumatic subcutaneous rupture of the bowel in Japan. Jap. J. M. Sc., 1934-36, 4: Surg., 272. **Tichý, K.** [Subcutaneous ruptures of the intestine] Cas. l'ek. česk., 1938, 77: 103-7. **Tokunaga, M.** Thirteen cases of subcutaneous traumatic rupture of the intestine. Jap. J. M. Sc., 1934-36, 4: Surg., 272. **Veal, J. R., & Barnes, E. B.** Rupture of the intestines from nonpenetrating injuries of the abdomen. Med. Ann. District of Columbia, 1941, 10: 259-63. **White, R. J.** Referred pain in a traumatic intestinal rupture. J. Am. M. Ass., 1931, 96: 942. **Wilensky, A. O., & Kaufman, P. A.** Subparietal rupture of the intestine due to muscular effort; a complication of hernia. Ann. Surg.,

1937, 106: 373-93. **Williams, J. E.** Traumatic rupture of the bowel. Canad. M. Ass. J., 1931, 30: 536. **Winn, D. F.** Traumatic intestinal rupture. Mil. Surgeon, 1928, 63: 837-42. **Workmen's** compensation acts; rupture of intestine allegedly due to trauma. J. Am. M. Ass., 1936, 107: 308.

Sarcoma.

DEBRUNNER, A. *Drei Fälle von Sarcom des Darms in Kindesalter. 46p. 8°. Zür., 1883. **STEINER, H.** *Ueber Fibrosarkom des Darmes [Zürich] 18p. 8°. Bern, 1925. **Ackman, F. D.** Primary sarcoma of the intestine. Canad. M. Ass. J., 1933, 29: 137-45. **Boyce, F. P., & McFetridge, E. M.** Primary sarcoma of the intestine; with the report of additional cases, and with special reference to lymphosarcoma and malignant melanoma. Internat. Surg. Digest, 1934, 17: 131-46. **Clerici-Bagozzi, U.** Leiomioma sarcomatoses dell'intestino. Tumori, Milano, 1934, 20: 110-32, 3 pl. **Drost, J. C.** [Intestinal sarcoma] Ned. tscr. geneesk., 1939, 83: 2950. **Filippini, G.** Su di un raro caso di sarcoma intestinale nel fanciullo con sintomatologia atipica. Gazz. med. lombard., 1934, 93: No. 3, 1-6. **Grau.** Ein ungewöhnlich grosses Myosarkom des Darms (Demonstration). Zbl. Chir., 1936, 63: 749-52. **Krigl, K.** [Sarcoma of the intestine] Gyógyászat, 1931, 71: 34-7. **Lefèvre & Laumonier.** Sur un cas de sarcomes multiples de l'intestin. Bordeaux chir., 1935, 6: 374-6. **Mazzacava, G., & Santoboni, U.** Ricerche di oncologia sperimentale; comportamento del sarcoma Galliera nell'intestino e nel fegato. Pathologica, Genova, 1933, 25: 488-99. **Orlando-Salinas, F.** Pseudo-sarcoma del cieco e del colon ascendente. Cult. med. mod., Pal., 1928, 7: 211-6. **Petit, G.** Relation d'un cas de chondro-sarcome intestinal généralisé au poulain, chez un chien; considérations sur le mécanisme probable de généralisation des chondromes. Bull. Soc. centr. méd. vét., Par., 1905, 59: 283-6. **Simpson-Smith, A.** Sarcoma of the intestine in children. Brit. J. Surg., 1938-39, 26: 429-38. **Wodziński, M.** [Primary sarcoma of the intestine] Nowotwory, 1938, 13: 35-65. **Woodbridge, G. H., & Holmes, J. W. H.** Sarcoma of intestine of dog; resection; recurrence. Vet. Rec., Lond., 1935, 15: 292.

Spasm.

See also Intestine, Occlusion; also Constipation, spastic.

CARDINI, C. Consideraciones sobre la medicación anti-espasmódica intestinal. 75p. 23cm. B. Air. [1940]

DREISS, F. *Vergleichende Untersuchungen über Spasmyse am Darm. 16p. 8°. Tüb., 1934.

Brown, R. C. Spastic irritable bowel. Med. Clin. N. America, 1940, 24: 193-203. **Cyriax, J. H.** Manipulative treatment of intestinal spasm. Brit. M. J., 1938, 1: 445-7. **Den, O. O. V.** [Convulsive states of the stomach and intestines from a roentgenological view-point] Russ. vrach, 1913, 12: 89-91. **Freude, E.** Zur Entstehung des Eingeweidekrampfes; experimentelle Grundlagen. Klin. Wschr., 1931, 10: 769. **Gaston, B.** Entropasim. J. Tennessee M. Ass., 1928, 21: 186-8. **Heiman, H., & Cohen, P.** Abdominal pain in children due to entropasim. Arch. Pediat., N. Y., 1928, 45: 383-9. **Jirásek, A.** Ueber einige intramurale Ursachen der Krämpfe des Verdauungskanales. Acta chir. scand., 1925-26, 59: 91-9, 6 pl. **La Gravinene, N.** Spasmes du tube digestif dans l'ovaire sclérokystique. Gyn. obst., Par., 1930, 22: 8-22. **Lövegren, E., & Ruin, E.** [Entropasim in children; a new syndrome] Fin. l'äk. säll. hand., 1935, 78: 394-400. **Lurje, H. S.** Ueber die Wirkung des Atropins auf den Dickdarm bei dessen spastischer Kontraktion. Zschr. ges. exp. Med., 1926, 50: 339-44. **Maranelli, L.** Medicazione senza opio dello spasmo intestinale. Prat. pediat., Milano, 1938, 16: 208-12. **Pozzilli, P.** Patologia e terapia delle affezioni spastiche dell'intestino. Med. nuova, 1928, 19: 227-36. **Reinhardt, E.** Zur Nachbehandlung Bauchoperationen; Behandlung von Darmspasmen mit Octin. Münch. med. Wschr., 1934, 81: 249. **Steindl, H.** Neue Gesichtspunkte zum Problem des Entropasimus. Arch. klin. Chir., 1926, 139: 245-318.

Spirochaetosis.

Bekenskaya, A. I., & Sinytsky, A. A. [Intestinal spirochetosis] Sovet. vrach. gaz., 1934, 38: 600-2. **Jerace, F.** Un caso di enterite da Spirochaeta intestinalis associato con Trichomonas intestinalis. Gior. ital. clin. trop., 1937, 1: 266-70. **Nisiyama, M.** Ueber das Vorkommen von Darm-spirochäten bei Menschen und Tieren. Zbl. Bakt., 1. Abt., 1936, 136: 370-82. **Vincent, R., & Seguin, P.** Contribution à l'étude des spirochètes intestinaux de l'homme. C. rend. Soc. biol., 1939, 130: 12. **Yakimov, W. L., & Rastjapin, T.** Ueber Geschwürspirochäten des Pferdes. Arch. Protistenk., 1930, 71: 543-9.

Stenosis [incl. atresia]

For congenital stenosis see Intestine, Abnormality; Occlusion.

EYMANN, A. *Die posttraumatischen Darmstenosen [Berlin] 31p. 8°. Berl., 1929.

Bergareche, J. Estenosis intestinal, secuela de la estrangulación herniaria. Arch. med., Madr., 1932, 35: 21-4.—Blanc y Fortacin, J. Estenosis intestinal de origen traumático. Med. iberá, 1927, 21: pt 1, 389-91.—Brandesky, W. Chronische Darmstenose und zweite Krankheit. Deut. Zschr. Chir., 1930, 222: 117-24.—Bufalini, M. Iperptrofia e iperplasia della tunica muscolare sopstante a monte di segmenti stenotici. Arch. Soc. ital. chir., 1929, 35: 831-3. — & Mirolli, A. Iperptrofia ed iperplasia della tunica muscolare dell'intestino a monte di segmenti stenotici (studio critico, anatomo-patologico, clinico sperimentale). Arch. ital. chir., 1928, 22: 589-633.—Busachi, T. Iperptrofia ed iperplasia delle fibre muscolari lisce dell'intestino in seguito a stenosi. Ibid., 1929, 23: 690.—Dávila, L. G. Contribución al estudio de las esclerosis intestinales. Bol. Hosp. S. Juan, Quito, 1928, 3: 9-21, pl.—Feingold, B. F., & Shulman, A. G. Isolated segment of intestine associated with duodenal atresia. Am. J. Dis. Child., 1942, 63: 541-5.—Florini, E. Sulle modificazioni dell'ansa intestinale sopstante ad una stenosi meccanica. Riv. pat. sper., 1933-34, 10: 369-80, 6 pl.—Glover, D. M., Smith, S., & Eitzen, O. Multiple atresia of the small intestine; case report. Ann. Surg., 1942, 116: 337-41.—Hancock, J. D. Intestinal stenosis in infants. South. Surgeon, 1942, 11: 113-7.—Heidenhain, L. Darmstenosen und Darmkoliken Verstopfung und Wasserbilanz. Münch. med. Wschr., 1933, 80: 483-6.—Hval, E., & Schnitler, K. [Inflammatory strictures in the intestinal tract, with clinical aspect of malignant tumors] Nord. med., 1940, 8: 1968-72.—Jones, T. E. Benign stricture of the intestine due to irradiation. Surg. Clin. N. America, 1939, 19: 1185-94.—Kiselev, A. G., & Kanevsky, N. Z. [Traumatic intestinal strictures]. Vest. khir., 1939, 57: 304-7.—Khaltits, G. M. [Stenosis of intestines]. Ibid., 1931, 24: 40-62.—Landau, A., Glass, J., & Kaminer, S. [Clinical investigations of stenosis of the intestinal tract; case of chronic, low intestinal obstruction with hypochloremia, azotemia and acidosis]. In Prace klin. Oddz. chor. wewn. Szpit. Wolski, Warsz., 1932, 632-44.—Nicolosi, G. Sul comportamento delle cellule nervose dell'intestino sopstante ad una stenosi. Arch. ital. chir., 1934, 37: 707-33.—Orth. Lymphome und Lymphosarkome als Ursache stenosierender Darmerkrankungen. Zbl. Chir., 1936, 63: 2562.—Platschik, K. Zur Frage der Darmatresien. Chirurg, 1933, 5: 938-42.—Plaut, T. Zwei Fälle von Darmverengung bei jugendlichen Personen. Deut. med. Wschr., 1927, 53: 1118. Also Klin. Wschr., 1927, 6: 1450.—Titone, M., & Marcatajo, G. La curva aminoacidemica nelle stenosi croniche dell'intestino (studio sperimentale). Ann. ital. chir., 1936, 15: 285-96.—Trabaud, J., & Mourched, K. Sténose intestinale par brides tuberculeuses chez un malade atteint de myélite syphilitique. Bull. Soc. nat. chir., Par., 1933, 59: 800.—Van Allen, C. M., & Chao, Y. C. Narrowing of intestine from contraction of experimentally produced, fibrous capsule. Proc. Soc. Exp. Biol., N. Y., 1934, 31: 1242.—Wiesen, E. Zur Pathologie und Klinik angeborener Verschlüsse und Verengungen des Darmes. Zschr. Kinderh., 1932-33, 54: 268-71.

— Strangulation.

See also subheadings (Adhesion; Exclusion; Intussusception; Volvulus) Also Hernia; Ileus; Mesentery, Abnormality.

MARTINIS, P. F. *L'iléus par brides post-opératoires. 65p. 8°. Par., 1930.

THOMAS, N. *Etranglement interne à travers le grand épiploon [Marseille] 80p. 25clm. Lyon, 1937.

Adameşteanu, C. Un cas de hernie iléale trans-mésentérique étranglée. Rev. chir., Bucur., 1940, 43: 816-21, pl.—Aird, I. Intestinal strangulation. Lancet, Lond., 1936, 1: 601.

Slome, D. [et al.] Discussion on intestinal strangulation. Proc. R. Soc. M., Lond., 1935-36, 29: 991-1006.—Andreasen, A. T. Intestinal strangulation complicated by rupture of a 6 months' gravid uterus. Brit. J. Surg., 1941-42, 29: 156-8.

Angelescu, C., Tovar, S., & Buzoiu, G. V. [Therapeutic value of saline solution in intoxication due to occlusion in strangulated hernia]. Rev. chir., Bucur., 1929, 21: 299-313.

Araujo Coelho, N. Fenestração do mesenterio como causa de obstrução intestinal. Ann. Fac. med. S. Paulo, 1934, 10: 365-72, pl.—Barbilian, N. Occlusion intestinale par bride sous-iléale. Bull. Soc. nat. chir., Par., 1929, 55: 395-8.

Benassi, E. Ricerche sperimentali sugli effetti dello strozzamento totale temporaneo di un'ansa intestinale. Arch. Soc. ital. chir. (1927) 1928, 34: 639-41. Also Arch. ital. chir., 1929, 23: 195-220.—Bianciardi, A. Su di un raro caso di strozzamento intestinale interno. Boll. spec. med. chir., 1929, 3: 39-43.—Bouvier, G. Etranglement d'une anse intestinale chez un chien. Schweiz. Arch. Tierh., 1942, 84: 192.—Brown, K. P. Intestinal strangulation from the clinical standpoint. Brit. M. J., 1936, 2: 1137.—Brutlin. De la genèse des étranglements internes et spécialement de la hernie transmésocolique. Rev. méd. Suisse rom., 1928, 48: 215-8.—Busino, A. Occlusioni intestinali multiple da duplice ernia strozzata (inguinale e retroperitoneale) e da volvolo. Policlinico, 1930, 37: sez. prat., 168-71.—Casas, M. P. E. Consideraciones sobre la

acción terapéutica de la raquianestesia en las perforaciones intestinales en el flico dinámico y en las hernias estranguladas. Repert. med. cir., Bogotá, 1929, 20: 65-98.—Cause (The) of death in intestinal strangulation. J. Am. M. Ass., 1936, 107: 802.—Ceballos, A., & Taubenschlag, H. Obstrucción intestinal subaguda en un caso de malformación retrocólica del mesenterium commune. Prensa méd. argent., 1932-33, 19: 534.—Chamberlain, J. W. Acute intestinal obstruction following hernia into ascending mesocolon; a case report. N. England J. M., 1937, 216: 299-301.—Chevreau, J. Occlusion intestinale par hernie épigastrique étranglée; opération au 12^e jour; injection intraveineuse de sérum salé hypertonique; guérison. Gaz. méd. France, 1929, 3: No. 11, p. v.—Collins, F. M. Adherent Fallopian tube causing intestinal strangulation. Brit. M. J., 1937, 1: 119.—Contiades, X. J., & Mathey, J. Etranglement intestinal par le ligament mésentérico-mésocolique. Ann. anat. path., Par., 1935, 12: 859-64.—Coyte, R. A case of strangulation into Waldeyer's pouch. J. R. Army M. Corps, 1940, 74: 353.—Cullen, T. S. Intestinal obstruction due to a hole in the mesentery of the ascending colon. J. Am. M. Ass., 1936, 106: 895-8.—Darcico, I., & Pirée, F. [Window of the mesentery in a case of intestinal strangulation]. Cluj. med., 1930, 40: 279-83.—Deutsch, J. Eine seltene Form von Strangulationsileus (kasuistische Mitteilung mit einer Analyse des Entstehungsmechanismus). Wien. klin. Wschr., 1927, 40: 916-8.—Dimtza, A. Chyluserguss in die freie Bauchhöhle bei Bridenileus. Zbl. Chir., 1934, 61: 953-5.—Donati, C. S. Su di alcune occlusioni intestinali da briglia a meccanismo complesso. Boll. Soc. med. chir., Pavia, 1935, 49: 1537-58.—Eadham, J. E., & Leeds, M. B. Intestinal obstruction due to bands in the ileocaecal region. Lancet, Lond., 1933, 1: 290-2.—Evans, E. I. The mechanism of shock in intestinal strangulation. Ann. Surg., 1943, 117: 23-38.—Fenkner. Darmerkrankungen in seitlicher Öffnung eines Glasdrains. Arch. klin. Chir., 1929, 155: 177.—Frenkel, A. B. [Strangulation of the intestine in the orifices of the mesentery]. Khirurgia, Moskva, 1939, No. 4, 59-62.—Füssel, K. Ueber seltene Formen von Ileus durch innere Einklemmung. Zbl. Chir., 1937, 64: 1288-95.—Gochl, R. O., Lynch, F. W. [et al.] Evaluation of X-ray evidence as a criterion of strangulation obstruction. Proc. Soc. Exp. Biol., N. Y., 1929-30, 27: 952-4.—Guio, N. M. Intestinal kinking. Surg. Gyn. Obst., 1928, 47: 252-5.—Gutzeit, R. Strangulationsileus durch eine verkäste Mesenterialdrüse. Zbl. Chir., 1927, 54: 3277.—Hill, F. C., & O'Loughlin, B. J. The effect of intraperitoneal injection of gastric, strangulated intestinal and appendical loop content upon the leucocyte count. Surgery, 1943, 13: 87-93.—& Stoner, M. Peritoneal aspiration in the diagnosis of strangulated bowel. Surg. Gyn. Obst., 1942, 74: 121-3.—Holt, R. L. The pathology of acute strangulation of the intestine. Brit. J. Surg., 1934, 21: 582-603.—Intestinal strangulation. Med. Press & Circ., Lond., 1941, 206: 268-70.—Homes, J. H. Darmverschluss durch Einklemmung in Mesenteriallücke. Zbl. Chir., 1930, 57: 862-5.—Jacques, L., Droegemueller, W. A., & Buchbinder, J. R. The viability of strangulated intestinal loops; an experimental study. Surg. Gyn. Obst., 1932, 55: 559-69.—Jáki, G. [Strangulation ileus] Orv. betil., 1933, 77: 1016; 1040. Also Deut. Zschr. Chir., 1933-34, 242: 226-45.—Jasnogorodsky, A. J. [Incarceration of intestines in the apertures of the omentum]. Vest. khir., 1936, 44: 104-6.—Kaufman, E. Ueber innere Einklemmungen nach Bauchoperationen. Beitr. klin. Chir., 1935, 162: 53-63.—Kirsner, L. A. [Lane's kinks complicated by ileus]. Russ. klin., 1926, 6: 561-8.—Kisman [Strangulation ileus]. Genesek. tschr. Ned. Indië, 1941, 81: 2316.—Knight, G. C. Intestinal strangulation. Brit. J. Surg., 1937, 25: 209-26.—& Stone, D. Intestinal strangulation. Ibid., 1935-36, 23: 820-51.—Kreke, A. Strangulationsileus. In: his Beitr. prakt. Chir., Münch., 1934, 354-6.—Kuhmann. Etranglement interne. Strasbourg méd., 1932, 92: 256-60.—Kumant, A. Strangulationsileus durch einen Fremdkörper in der Bauchhöhle. Zbl. Gyn., 1934, 58: 2316-22.—Landois, F. Ueber Darmerkrankungen in Lücken von Mesenterium und Mesokolon. Beitr. klin. Chir., 1936, 163: 241-9.—Machacek, J. Strangulationsileus bei angeborenem Schlitz des Mesocolon mit Invagination. Deut. Zschr. Chir., 1938, 250: 34-6.—McNamara, F. P. Congenital fibrous cords with intestinal obstruction in children. J. Iowa M. Soc., 1942, 32: 510.—Matassev, T. [Ileus from strangulation by a 13 cm. appendix, with fatal result]. Vrach. gaz., 1927, 31: 1823.—Mathaes. Zum Mechanismus der retrograden Incarceration des Darmes. Arch. klin. Chir., 1931, 164: 398-406.—Meade, H. Strangulation of ileum through congenital opening in mesentery. Irish J. M. Sc., 1933, ser. 6, No. 91: 311-5.—Meusburger. Akute Darmerkrankung im Foramen Winslowii. Med. Klin., Berl., 1940, 36: 1253 (Abstr.)—Mischel, K. Strangulationsileus durch Lymphadenitis mesaraica tuberculosa. Zbl. Chir., 1930, 57: 865.—Mitchell, G. F. Acute intestinal obstruction in a baby 15 months old; hernia through the foramen of Winslow. Brit. J. Surg., 1938-39, 26: 648.—Montgomery, A. H. Intestinal obstruction due to Richter's hernia. Am. J. Dis. Child., 1941, 62: 687.—Moreau, L. Deux cas d'occlusion intestinale aiguë (par bride iléale de Lane et par mésentérite rétractile). Arch. fr. belg. chir., 1926, 29: 1071-80.—Moritz, A. R. Mesenterium commune with intestinal obstruction. Am. J. Path., 1932, 8: 735-43, pl.—Noshchinsky, V. R. [Internal incarceration of the intestines in defects of the mesentery]. Vest. khir. 1936, 46: 81-8.—Ogai, S., & Ohnisi, S. Ein Fall von Strangulationsileus durch den normalen Wurmfortsatz, dessen Spitze mit dem Mesenterium fibros verwachsen ist.

Arch. jap. Chir., 1939, 16: 431.—**Ottobri Costa, M.** Apparelio ligamentoso do angulo colico direito funcionando como agente do oclusão intestinal; uma formação anatomica normal incompletamente involuvida, confinando com a pathologia. Rev. As. paul. med., 1935, 7: 27-36.—**Panther, H.** Ein ungewöhnlicher Fall von Darmeinklemmung (Einklemmung in das verrenkte Sakro-Iliacalgelenk) Zbl. Chir., 1929, 56: 2272.—**Parodi, A. F., & Figueroa Gacitua, J. C.** Oclusión intestinal por vaso aberrante. Prensa méd. argent., 1938, 25: pt 2, 1777-9.—**Pascale, G.** Oclusione intestinale acuta per strozzamento da briglia mesenteriale. Rinasc. med., 1925, 2: 51.—**Perrier, C.** Etranglement interne à symptomatologie réduite. Bull. Soc. chir. Paris, 1928, 20: 471-6.—**Pezza, E.** Un caso di oclusione intestinale per briglie aderenziali consecutive ad una infezione da paratifo B. Pediatria (Riv.) 1932, 40: 143-6.—**Posiada, S. D.** [Rare case of strangulating ileus] Khirurgia, Moskva, 1938, No. 2, 132.—**Reynaud, H.** Pincement latéral de l'intestin. Monde méd., 1933, 43: 86-9.—**Rio, A. do.** Estrangulamento intestinal em antiga evenação. Labor. clin., Rio, 1940, 20: 131.—**Rokitansky.** Degli stringimenti intestinali e di altre malattie quali cause di ostruzioni e di volvolo. Ann. clin. Osp. incurab., Nap., 1840, 6: 203-9.—**Romankevich, V.** [Aperture in the mesentery in connection with strangulation of the intestine] Vest. khir., 1930, 21: 132-9.— [Strangulation of the intestine at a mesenteric hole] Ibid., 1932, 27: 172.—**Rosenthal, S. R.** Internal incarceration. In Path. Conf. (Jaffé, R. H.) Chic., 1940, 280.—**Sanmartino, E. S.** Doble oclusión intestinal aguda en el adulto por anomalía congénita; cordón inguino-mesentérico. Arch. argent. enferm. ap. digest., 1938-39, 14: 324-31.—**Scott, H. G.** Intestinal obstruction; experimental evidence on the loss of blood in intestinal strangulation. Arch. Surg., 1938, 36: 816-37.— & **Wangensteen, O. H.** Length of life following various types of strangulation obstruction in dogs. Proc. Soc. Exp. Biol., N. Y., 1932, 29: 424-7.— Blood pressure changes correlated with time, length and type of intestinal strangulation in dogs. Ibid., 428-31.— Blood losses in experimental intestinal strangulations and their relation to degree of shock and death. Ibid., 748-51.—**Sertoli, L.** Sugli strozzamenti intestinali transmesenterici. Osp. maggiore, Milano, 1940, 28: 67-72.—**Sheinerman, A. A.** [Three cases of intestinal strangulation in the mesenteric ring] Nov. khir. arkh., 1936, 35: 421.—**Shin, H.** Experimentelle Untersuchungen über den Strangulationsileus; die Magen-sekretion bei Strangulationsileus. J. Chosen M. Ass., 1936, 26: 61.—**Sofoteroff, S.** Zur Frage der Aetiologie von intra-abdominalen Erkrankungen; ein Fall innerer Darneinklemmung im Mesenterialdefekt. Arch. klin. Chir., 1923, 125: 324-32.—**Spehl, G.** Oclusion intestinal e sphacèle par bride mésenterique. J. chir., Brux., 1927, 26: 155-7.—**Steinberg, I. J. von** [Case of strangulated ileus] Odess. med. J., 1928, 3: 294.—**Steissler.** Vorstellung eines Falles von ausgedehnter Darmresektion wegen Strangulation. Mitt. Verein. Aerzte Steiermark, 1920, 57: 20.—**Susman, M. P.** A rare case of intestinal strangulation. J. Coll. Surgeons Australasia, 1929-30, 2: 429.—**Thevenard.** Oclusion intestinale aiguë par étranglement dans l'hiatus de Winslow. Paris chir., 1928, 20: 126.—**Türk, H.** Lücke in einem Mesenterium ilio-coli commune als Ursache für einen Darmverschluss. Zbl. Chir., 1939, 66: 244-8.—**Turel, S. J.** Mesenteric holes or rents as a cause of intestinal obstruction: a case of special interest. Internat. J. M. & S., 1932, 45: 462-4.—**Williamson, J. C. K. L.** Internal hernia through congenital aperture in mesentery: strangulation. Brit. J. Surg., 1933, 20: 684.—**Wodarz.** Eine sehr seltene Darneinklemmung. Zbl. Chir., 1928, 55: 3082.

— Surgery.

See also Abdomen, Surgery; Gastrointestinal tract, Surgery.

KRAUSE, B. *Operationen am Darm (mit Ausnahme des Blinddarms) bei ursprünglich gynäkologischer Erkrankungen und im Gefolge gynäkologischer Erkrankungen. 43p. 8°. Königsb., 1937.

De Tarnowsky, G. Principles of intestinal surgery. Illinois M. J., 1935, 68: 219-30.—**Gannon, J. A.** A problem in intestinal surgery. Virginia M. Month., 1930-31, 57: 798-801.—**Giles, R. C.** Some problems encountered in surgery of the intestines. J. Nat. M. Ass., Newark, 1930, 22: 1-4.—**Green, T. M.** Surgical significance of derangement of intestinal rotation and distribution. Surg. Gyn. Obst., 1931, 53: 734-41.—**Hedrick, R. M.** Surgery of the intestines. J. Nat. M. Ass., Newark, 1928, 20: 170-4.—**Henson, J. W.** Surgery in the infant with report of a case. Tr. M. Soc. Virginia, 1916, 46: 101-3.—**Horsley, J. S.** Some principles of intestinal surgery, with special reference to physiology of the intestines. Proc. Interst. Postgrad. M. Ass. N. America (1928) 1929, 76-81. Also Ann. Surg., 1928, 87: 387-94.—**Kleinschmidt, O., & Hohlbaum, J.** Die Chirurgie des Darmes. Chirurgie (Kirschner & Nordmann) Berl. 1927, 5: 845-1180, 4 pl.—**Maclean, N. J.** Some problems in intestinal surgery. Tr. West. Surg. Ass. (1925) 1926, 35: 351-68. Also J. Lancet, 1927, 47: 217-23.—**Mayo, C. H.** Wrinkles and recipes in intestinal surgery. Tr. Am. Surg. Ass., 1933, 51: 313-8. Also Ann. Surg., 1933, 98: 830-4.— & **Schlicke, C. P.** Anuria after operations on the colon and rectum. J. Urol., Balt., 1942, 48: 207-18.—**Nordmann, O.** Die chirurgische Behandlung der

auf Darmerkrankungen beruhenden Blatveränderungen. Chirurg, 1928-29, 1: 104-12.—**O'Donnell, E. E.** Problems in surgery of the intestine. J. Maine M. Ass., 1911, 32: 27-30.—**Puig-Sureda, J.** Contribution à l'étude de la chirurgie de l'intestin. P. verb. Congr. fr. chir., 1924, 33: 852-64.—**Quervain, F. de.** Chirurgische Demonstrationen. Internat. med. W. Schweiz (1937) 1938, 3. Congr., 326-31. Also Schweiz. med. Wschr., 1937, 67: 1153.—**Rentschler, C. B.** Considerations in bowel surgery. Pennsylvania M. J., 1936-37, 40: 813-7.—**Santor, E.** Emorragie gastro-intestinali e renali consecutive ad erniotomia e a sequestrectomia. Ann. ital. chir., 1926, 5: 823-31.—**Schnitzler, J.** Ueber dringliche Darmoperationen. Wien. klin. Wschr., 1929, 42: 173; 208.—**Searls, H. H.** Surgery of the intestinal tract. In Pract. Libr. M. & S. (Appleton) N. Y., 1933, 4: 577-676.—**Schrt, E.** Neuere Arbeiten aus dem Gebiete der Bauchchirurgie; Wurmfortsatz, Dickdarm, Mastdarm. Med. Klin., Berl., 1931, 27: 516-20.—**Stieda, A.** Operationen am Darm und Peritoneum. In Fehler chir. Oper. (Stich & Makkas) 2. Aufl., Jena, 1932, 547-612.—**Surgical diseases of the intestines; discussion of symposium, published in the Medical Record, October 17, 1934. Med. Rec., N. Y., 1934, 140: 481.—Tammann, H.** Chirurgie des Dünn- und Dickdarmes. Chirurg, 1935, 7: 214-9.—**Valdoni, P.** Chirurgia del tenue e del colon. Manuale chir. (Alessandri, R.) 1933, 4: 505-646.—**Zaborowski, F. L.** Abdominal surgery; intestines. In Cyclop. Med. (Piersol-Bortz) Phila., Serv. Vol., 1941, 680-730.

— Surgery: Anastomosis.

See also Gastroenterostomy; Gastrojejunostomy; Hernia, Surgery, etc.

Kok, D. J. *Die anatomischen und physiologischen Veränderungen des Dünndarmes nach der Einpflanzung in die Kontinuität des Mastdarmes; experimentelle Studien am Hunde [Giessen] 63p. 8° [Borna-Lpz.] 1929.

LALLEMENT, H. A. *Indications et nouvelles techniques dans l'utilisation des boutons anastomotiques. 67p. 25cm. Nancy, 1934.

PIGNATTI, A. Studio sulla enteroanastomosi; critica e ricerche sperimentali. 266p. 8°. Bologna, 1915.

ZIMMERMANN, G. *Versuche zur Anlegung sogenannter aseptischer Darmanastomosen. 39p. 8°. Königsb., 1926.

Bacon, J. B. The clasp-ring; a new instrument for intestinal anastomosis; a preliminary report on a new mechanical device and a new method for intestinal anastomosis. Surg. Gyn. Obst., 1926, 43: 386.—**Bange, F.** Gefahren der Joseph'schen Anastomosenmesserquetsche. Zbl. Chir., 1927, 54: 2635.—**Behrend, M.** Efficiency of the various types of anastomoses of the hollow viscera; clinical and experimental data. Ann. Surg., 1930, 91: 514-9.—**Belk, W. P., & Herrman, C. S.** Clinical versus experimental anastomosis of the hollow viscera. J. Am. M. Ass., 1924, 83: 1807-14.—**Burket, W. C.** Etude sur l'anastomose intestinale aseptique; technique simplifiée d'anastomose termino-terminale avec libération de bois alibiles. Lyon chir., 1926, 23: 443-50.—**Caeiro, J. A.** Técnica de la colo-enterostomia término-terminal valvular. Bol. Soc. cir. B. Aires, 1939, 23: 827-34.— Resultado funcional de la anastomosis ileo-cólica valvular término terminal. Prensa méd. argent., 1942, 29: pt 2, 1749 (Abstr.).—**Carrington, G. L.** Safety valve anastomosis and decompression in intestinal surgery by use of a T tube. South. Surgeon, 1942, 11: 794-6.—**Carson, H. W., & Turner, G. G.** Enterectomy and intestinal anastomosis. In Mod. Oper. Surg. (Turner, G. G.) Lond., 1934, 1: 734-55.—**Cinquemani, F.** Un nuovo processo per entero-anastomosi termino-terminale aseptica. Cult. med. mod., Pal., 1937, 16: 186-92; 223-7.—**Cocci, G.** Sulla entero-anastomosi. Prat. chir., Arezzo, 1928, 2: 25-33.—**Collins, A. N.** Diagonal end-to-side intestinal anastomosis. Minnesota M., 1926, 9: 451.—**Collins, F. K.** Important steps in aseptic intestinal anastomosis. Ann. Surg., 1938, 108: 1022-8.—**Dennis, C.** Oblique, aseptic, end-to-end intestinal anastomosis. Surgery, 1939, 5: 548-53.—**Desmarest.** Sulla importanza della vascolarizzazione nelle anastomosi intestinali. Riforma med., 1931, 47: 831-4.—**Dott, N. M.** A simple method of intestinal anastomosis illustrated by 3 diverse cases of its application to the large intestine. Tr. Med. Chir. Soc. Edinburgh, 1926-27, 106. Sess., 55-60.—**Finocchio, R.** Anastomosi intestinali; iniección antiséptica, previa a las suturas. Sem. méd., B. Air., 1941, 48: pt 1, 1304.—**Finsterer, H.** Die Stellung der totalen Darmausschaltung in der modernen Darmchirurgie. Deut. Zschr. Chir., 1929, 219: 41-62.—**Fischer, A. W.** Studien zur Seit-zu-Seitanastomose am Darm. Zbl. Chir., 1931, 58: 930-4.—**Frank, J.** Un nuevo aparato para la práctica de anastomosis intestinal de extremo a extremo. Mem. Congr. méd. panamer. (1896) 1898, 2. Congr., 2: 337-9.—**Gadd, J. D.** Didactic presentation with drawings and movies of enteroenterostomy. Proc. Am. Animal Hosp. Ass., 1941, 8. meet., 149-60.—**Gatch, W. D.** Remarks on intestinal anastomosis with a description of a simple aseptic technique. Tr. South. Surg. Ass., 1933, 45: 138-51. Also Am. J. Surg., 1933, 20: 341-54.—**Glenn, F.** New instrument for intestinal anasto-

mosis; preliminary report of experimental work. *Ibid.*, 1937, 36: 734.—**Goepel, R.** Telescopic anastomosis. *Zbl. Chir.*, 1927, 54: 777-82.—**Goodman, H. I.** Intestinal anastomosis; description of a new technic. *Am. J. Surg.*, 1942, 58: 368-76.—**Iacobovici, I.** Elimination par les voies naturelles d'un tube en T. *Rev. chir., Bucur.*, 1937, 40: 201-3.—**Kerr, H. H.** The story of intestinal anastomosis. In *Lahey Birthday Vol.*, 1940, 295-306.—**Kiefer, F.** Gefahren der Joseph'schen Anastomosenmesserquetsche. *Zbl. Chir.*, 1927, 54: 3096.—**Kikuchi, S.** Experimentelle Untersuchungen über den Heilungsvorgang der Darmanastomose. *Mitt. Path. Inst. Univ. Sendai*, 1931-32, 7: 207-24, 2 pl.—**Martin Gil, R.** Discos de marfil descalcificado para las anastomosis y reunión de extremo con extremo del intestino. *Congr. hisp. portug. cirug.*, 1898, 1. Congr., 226-31.—**Martzloff, K. H., Moore, P. H., & Gardiner, J.** Aseptic end-to-end intestinal anastomosis; a report of 197 experimental anastomoses on dogs. *West. J. Surg.*, 1939, 47: 611-25.—**Maurer, G. B.** Improved method of intestinal anastomosis. *Am. J. Surg.*, 1936, 31: 506-13.—**Melzner, E.** Zur Bewertung der endständigen und der seitlichen Darmvereinigung. *Arch. klin. Chir.*, 1926, 142: 505-11.—**Meyer, K. A., & Rosi, P. A.** Intestinal anastomosis. *Surg. Clin. N. America*, 1937, 17: 489-512.—**Mollmann, A. H.** End-to-end anastomosis; mathematical approach to the causes of the marginal gangrene. *J. Michigan M. Soc.*, 1941, 40: 882-4.—**Murphy (The) button and present-day intestinal anastomosis.** *South. M. & S.*, 1940, 102: 389.—**O'Sullivan, J. R., & O'Connor, B. A.** A new instrument and technique for intestinal anastomoses. *Am. J. Surg.*, 1937, 36: 544-9; 1939, 45: 603-5.—**Partipilo, A. V.** End-end to side anastomosis. *Ibid.*, 1928, n. ser., 5: 378-80.—**Patient's** complaint on admission; diarrhea, weakness, epigastric pain, flatulence, anorexia and loss of weight. *Seminar, Phila.*, 1940, 2: No. 3, 1-3.—**Perret, C. A.** Technique of a new and strictly aseptic method of entero-anastomosis. *Surg. Gyn. Obst.*, 1927, 44: 378-89.—**Poth, E. J.** A clean intestinal anastomosis; an experimental study. *Arch. Surg.*, 1934, 28: 1087-94; 1935, 31: 579-86.—**Puig Sureda, J.** Nouvelle méthode d'anastomose intestinale fermée. *P. verb. Congr. fr. chir.*, 1922, 31: 722-30.—**Rankin, F. W.** An aseptic technic for intestinal anastomosis. *Proc. Mayo Clin.*, 1928, 3: 197. Also *Surg. Gyn. Obst.*, 1928, 47: 78-88.—**Richard, A.** Réten-tion d'un bouton anastomotique pendant près de 4 ans sans manifestations cliniques et sans complications. *Mém. Acad. chir., Par.*, 1936, 52: 8-11.—**Schmidt, L.** [Invaginated entero-anastomosis] *Orv. hetil.*, 1928, 72: 1390-2.—**Schneider, N. A.** A simple technic for gastro-intestinal and intestinal anastomoses by means of a new button. *South. M. J.*, 1939, 32: 539-43.—**Shen, J. K.** Aseptic end-to-end intestinal anastomosis. *Ann. Surg.*, 1928, 87: 861-6. Also *Nat. M. J. China*, 1928, 14: 302.—**Starlinger, F.** Ein Beitrag zum späteren Schicksal und zur klinischen Auswirkung der Seidenfäden in der Wand der Magen-Darmfistel. *Zbl. Chir.*, 1927, 54: 2562-6.—**Stone, H. B.** Method of intestinal anastomosis with a new clamp. *Surg. Gyn. Obst.*, 1937, 65: 383.—**Sullivan, W. J.** Choice of an intestinal anastomosis from an anatomical and technical standpoint, excluding the rectum. *Illinois M. J.*, 1926, 49: 310-4.—**Totten, H. P.** Simplified aseptic intestinal anastomosis; an experimental study. *West. J. Surg.*, 1942, 50: 93-8.—**Trueblood, D. V.** Intestinal anastomosis; using a simplified basting stitch method. *Ibid.*, 1932, 40: 654-8.—**Tunoda, E.** Meine Modifikation der Lane'schen Methode. *Mitt. Med. Akad. Kioto*, 1932, 6: 2523-32, 3 pl.—**Wadhams, R. P., & Carabba, V.** Electrosurgical aseptic intestinal anastomosis. *Surg. Gyn. Obst.*, 1935, 60: 1082-92.—**Witaker, J. G., & Hallows, B. R.** Bowel anastomosis. *Med. J. Australia*, 1942, 1: 146.—**Zepp, C. P.** Anastomosis of the intestine following resection. *North Am. Vet.*, 1940, 21: 292.—**Zimmer, E. A.** Zur Erkennung und Bewertung von Darmanastomosen im Röntgenbilde. *Fortsch. Röntgenstrahl.*, 1935, 51: 169-80.—**Zwerg, H. G.** Nachblutung bei Anwendung der Joseph'schen Anastomosenquetschzange. *Zbl. Chir.*, 1927, 54: 1618.

Surgery: Excision.

See also subheading Surgery: Resection.

Billi, A. Sopravvivenza di circa 15 giorni di cani privati dell'intestino crasso e del tenue ad eccezione della porzione superiore del duodeno. *Boll. Soc. ital. biol. sper.*, 1931, 6: 3-5. — Paratiroidectomia ed asportazione dell'intestino del crasso e del tenue ad eccezione della porzione superiore del duodeno. *Ibid.*, 5. — Comportamento del calcio totale e del fosforo inorganico nel sangue di cani paratiroidectomizzati e privati dell'intestino crasso e del tenue ad eccezione della porzione superiore del duodeno. *Ibid.*, 6. — Ricerche sul sangue di animali privati dell'intestino (indacanea e reazione xantoproteica) *Ibid.*, 140. — Primi risultati di ricerche compiute sul cane privato dell'intestino (dallo sbocco del condotto pancreatico inferiore fino a tutto il retto) *Sunti Congr. internaz. fisiol.*, 1932, 14. Congr., 34-5.—**D'Arbela, F., & Billi, A.** L'ammoniemia nei cani privati d'intestino. *Boll. Soc. ital. biol. sper.*, 1933, 8: 1504-7.—**Isikawa, S.** Studies on the pathological physiology caused by a major enterectomy; general findings on enterectomized animals. *J. Orient. M.*, Dairen, 1929, 11: 141. — On the chemical changes in the blood of an enterectomized animal. *Ibid.*, 153. — On the susceptibility of stomach and duodenum to colon bacilli caused by enterectomy. *Ibid.*, 154. — Physico-analytic change of the blood of enterectomized dogs. *Ibid.*, 1930, 12: 7. — Susceptibility of the stomach and the duodenum

by colon bacilli. *Ibid.*, 8. — Metabolism of enterectomized animals. *Ibid.*, 13: 47.—**Matsukura, S.** Influence of the removal of intestine below the fistula on the dog with duodenal fistula. *Jap. J. M. Sc.*, 1930-32, 2: Tr. Surg., 323-6.—**Oettingen, W. F. von, & Sollmann, T.** The production of organic acids by excised intestines. *J. Biol. Chem.*, 1929-30, 85: 245-50.

Surgery: Instruments and material.

Bergeret. Pince écrasante pour l'intestin. *Bull. Soc. nat. chir., Par.*, 1934, 60: 1048.—**Cope, Z.** A crushing clamp for large intestine. *Lancet, Lond.*, 1934, 1: 634.—**Faure, J. L.** Le Mikulicz en chirurgie intestinale. *Presse méd.*, 1927, 35: 401.—**Furniss, H. D.** Instrument for intestinal anastomosis. *Am. J. Surg.*, 1934, 23: 379.—**Hendon, G. A.** Intestinal needle. *Ibid.*, 1936, 32: 377.—**Hoag, C. L., Saunders, J. B.** [et al.] Silk; its effect and fate in intestinal anastomosis; an experimental study. *Surgery*, 1941, 10: 604-12.—**Kennedy, J. W.** Resurrection of the Murphy button. *Am. J. Surg.*, 1928, n. ser., 5: 293-6.—**McClure, R. D.** An intestinal holding clamp. *Ibid.*, 1940, 49: 396.—**Morgan, C. N.** Universal intestinal clamp. *Brit. M. J.*, 1936, 2: 718.—**Oldfield, M. C.** A non-projecting enterotome. *Ibid.*, 1937, 2: 1025.—**Tedesco, A.** L'enterotomia, l'enterectomia e l'isterectomia mediante lo strumento Donati-Marelli. *Clin. vet. Milano*, 1932, 55: 97-105, 4 pl.—**Wakeley, C. P. G.** A useful enterotome. *Lancet, Lond.*, 1939, 2: 789.—**Wolfson, W. L., & Clurman, M. J.** A cork adjuvant to the Murphy button. *Ann. Surg.*, 1932, 96: 478.—**Young, E. L., jr.** A new instrument for intestinal anastomosis. *N. England J. M.*, 1932, 206: 943-5.

Surgery: Methods.

See also such headings as Appendicitis, Treatment; Enterostomy; Hernia, Surgery; Ileocolostomy, etc.

RAIGA, A. *La fermeture des bouts intestinaux sectionnés par le procédé de l'enroulement. 133p. 8° Par., 1926.

Allen, F. M. Ligation and refrigeration of intestine. *Surgery*, 1938, 3: 893-8.—**Bettman, R. B.** Technique for inversion of the bowel. *Am. J. Surg.*, 1935, 30: 109.—**Canto, J. B.** Modificações dos cirurgões de Ribeirão Preto na appendicectomia e na operação para cura cirúrgica da hernia inguinal. *Medicina, Rio*, 1939, 63-70.—**Cone, R. E.** Observations on aseptic resection of intestine and end to end anastomosis by the Kerr method. *Dallas M. J.*, 1926, 12: 114-6.—**Doster-Virtue, M. E., & Virtue, R. W.** An improved closure for the Doster-Virtue intestinal loop. *Proc. Soc. Exp. Biol.*, N. Y., 1941, 48: 326.—**Duncan, J. A.** Defunctioning procedures as adjunct to intestinal surgery. *Northwest M.*, 1941, 40: 120-3.—**Dupuy de Frenelle.** Un point de technique de la caecocolopexie. *P. verb. Congr. fr. chir.*, 1925, 34: 793-5.—**Figurelli, G.** Ricerche sperimentali sull'avvolgimento con epiploon di tratti di intestino isolati dal mesentere. *Ann. ital. chir.*, 1931, 10: 532-50.—**Herrlin, J. O., jr., Glasser, S. T., & Lange, K.** New methods for determining the viability of bowel; preliminary report with clinical cases. *Arch. Surg.*, 1942, 45: 785-91.—**Hubbard, T. B.** Safety in intestinal surgery. *J. M. Ass. Alabama*, 1942-43, 12: 161.—**Julliard, C.** Traitement par le lavement salé hypertonique de la phase critique post-opératoire due au rétablissement des fonctions intestinales. *Schweiz. med. Wschr.*, 1931, 61: 665.—**Krikent, R. K.** [Skin plastic in intestinal defects with fecal cysts] *Sovet. khir.*, 1931, 1: 148-51.—**Lardennois, H.** Le drainage dans la chirurgie intestinale. *P. verb. Congr. fr. chir.*, 1927, 36: 482-7.—**Lier, E. H. van** [Surgery of the nervous system of the intestinal canal] *Ned. tschr. genesesk.*, 1934, 78: 134-7.—**McWhorter, G. L.** An original method of closure of a partially aperitoneal or short intestinal end. *Surg. Gyn. Obst.*, 1930, 50: 1037.—**Mayo, W. J.** The importance of preserving or restoring function in performing radical operations on the large intestine and rectum. *Proc. Interst. Postgrad. M. Ass. America*, 1932, 7: 457-9.—**Meissner, F.** Rektale Dampfpunktion der verschiedenen Darmabschnitte beim Pferde. *Prag. tierärztl. Arch.*, 1937, 17: 39-44.—**Nard, L.** De la meilleure position pour le chirurgien et l'opéré dans les opérations d'appendicite et aussi dans les opérations sur le colon droit et le colon gauche. *Bordeaux chir.*, 1933, 4: 183.—**Ostrowski, T., Hilarowicz, H., & Bielinski, Z.** [Clinical and experimental contribution to anesthesia in intestinal operations] *Polska gaz. lek.*, 1933, 12: 909-13.—**Perrotti, G.** Evoluzione e meccanismo di azione delle plastiche epiploiche libere e peduncolate in rapporto alle suture intestinali; plastiche sopra suture di intestino patologico. *Ann. ital. chir.*, 1927, 6: 723-38.—**Presman, D.** A new method of skin protection for ileostomies and colostomies. *Surgery*, 1943, 13: 322.—**Raiga, A.** Résultats histologiques de la fermeture des bouts intestinaux sectionnés par le procédé de l'enroulement. *Ann. anat. path.*, Par., 1927, 4: 113-23.—**Richter, J.** The operative technic of bowel surgery. *Med. Rec., N. Y.*, 1934, 140: 436-40.—**Rixford, E.** Bacteriophage in surgery of the colon and rectum. *Ann. Surg.*, 1931, 94: 640-7.—**Roeder, C. A.** Treatment following operations on the small and large intestines and the female pelvis. *Tr. Ass. Physicians Mayo Clin.* (1926) 1927, 7: 307-17.—**Romeo, M.** Innesti di aponeurosi fissata su perdita di sostanza della parete intestinale. *Ann. ital. chir.*, 1927, 6:

64-92.—Schulz, F. Experimenteller Beitrag zur Frage der Ausbildung eines Kollateralkreislaufs am Darm mittels Netzplastik. Arch. klin. Chir., 1927, 144: 477-85.—Simeoni, V. La deviazione del circolo intestinale come tempo preparatorio ad interventi più radicali in diversi processi morbosì dell addome. Ann. ital. chir., 1929, 8: 1013-23.—Stickler, J. W. Some investigations to determine the effect of the application of wet hot cloths or packs to the intestines. Mem. Congr. méd. panamer. (1896) 1898, 2. Congr., 2: 105.—Young, E. L., & Marks, G. A. Pre-operative preparation of the peritoneum in surgery of the large intestine. Surg. Gyn. Obst., 1931, 59: 610-5.—Zuckermann, C. Cirugía de la función motora intestinal. Rev. mex. cir., 1939, 7: 3-7. Also Bol. Inst. clin. quir., B. Air., 1940, 16: 63-6.

Surgery: Resection.

See also subheading Surgery: Excision.

MENDELSON, E. *Ueber Darmresektion mit besonderer Berücksichtigung der Frage der einoder mehrzeitigen Resektion. 47p. 23cm. Berl., 1937.

TUOMIKOSKI, V. *Zur Kenntnis der Ausnutzung der Nahrung nach Darmverkürzungen [Helsingfors] 72p. 8°. Berl., 1928.

Also Skand. Arch. Physiol., Lpz., 1928, 54: 249-320.

WORMSDORF, W. *Erfolge mit der End- zu Endanostomose bei Darmresektionen an der Chirurgischen Universitätsklinik Breslau. 22p. 8°. Bresl., 1936.

ZANIBONI, A. Patologia chirurgica delle resezioni e delle esclusioni intestinali. 592p. 8°. Padova, 1926.

Becchini, G. Sulle sequele riflesse di resezioni intestinali. Ann. radiol., Bologna, 1937, 11: 457-66.—Branch, J. R. B. Aseptic intestinal anastomosis in resections of the large bowel. Surg. Gyn. Obst., 1928, 47: 678.—Bremer, B. Darmresektion bei einem 5 Wochen alten Säugling. Zbl. Chir., 1937, 64: 553-6.—Bunne, F. Ueber Darmresektionen im Säuglings- und Kleinkindesalter. Ibid., 1936, 63: 853-8.—Cascino, R. Doppia resezione intestinale per tillofolite cronica infiltrativa iperplastica simulante un voluminoso sarcoma. Arch. Soc. ital. chir., 1929, 35: 557-65.—Cinquemani, F. Resezione intestinale con unica presa del coproemostatico assiale. Cult. med. mod., Pal., 1931, 10: 1-6.—Coleman, E. P., & Bennett, D. A. Massive intestinal resection. Am. J. Surg., 1943, 59: 429-38.—Collins, F. K. Aseptic intestinal resection and anastomosis without sutures. West. J. Surg., 1935, 43: 260-4.—Cuervo, R. Tres casos de resección intestinal. Rev. méd. vera Cruz., 1927, 7: 245-51.—De Wet, J. M. Case of resection of a considerable portion of small and large intestine. J. M. Ass. S. Africa, 1930, 4: 389.—Felger, L., & Schenk, H. L. Recurrence in segmental enteritis following radical resection. Am. J. Surg., 1940, 49: 307-15.—Giordano & Di Tursi. Su di un caso di estesa resezione intestinale. Rinasc. med., 1931, 8: 53, pl.—Gordon-Taylor, G. A successful case of septuple bowel resection and sextuple anastomosis, with an account of some personal multiple and complicated intestinal resections. Austral. N. Zealand J. Surg., 1934-35, 4: 345-67, 7 pl.—Greve, V. A. (Technique of intestinal resection) Khirurgia, Moskva, 1938, 144-6.—Jura, V. Variazioni dell'enterocoliti dopo resezione intestinale sperimentale. Boll. Accad. med. Roma, 1937, 63: 147-54.—McNealy, R. W., & Lichtenstein, M. E. The Mikulicz operation; development and technique. Surg. Gyn. Obst., 1939, 69: 327-32.—Raydin, I. S., & Abbott, W. O. The use of the Miller-Abbott tube in facilitating one stage resections of the small and large bowel. Internat. Clin., 1940, n. ser., 1: 178-85, 3 pl.—Samarin, N. N. [Technic in resection of the intestines] Vest. khir., 1930, 19: 342-5.—Intestinal resection by a single clamp method. Am. J. Surg., 1937, 38: 351-5.—Schwartz, A. Du rétablissement de la continuité intestinale en cas de résection recto-colique suivie d'anus artificiel. Mém. Acad. chir., Par., 1939, 65: 888-91.—Strickler, F. P. Resection of portion of small and large intestine; case report. Kentucky M. J., 1929, 27: 265-7.—Todd, W. R., Dittbrandt, M. [et al.] Digestion and absorption in a man with all but 3 feet of the small intestine removed surgically. Am. J. Digest. Dis., 1940, 7: 295-7.—Tuomikoski, V. Die Ausnutzung der Nahrung nach einer ausgedehnten Dickdarmresektion. Skand. Arch. Physiol., Lpz., 1931, 62: 311-6.—Valdés, U. La resección aséptica del intestino; revista de los métodos que se usan actualmente. An. Sanat. Valdés, Méx., 1926, 2: 169-99.—Visconti, J. A. Resection of intestine through femoral opening. J. M. Soc. N. Jersey, 1935, 32: 355.—Wangenstein, O. H. Some of the advantages of closed anastomosis in gastrointestinal resections. Proc. Interst. Postgrad. M. Ass. N. America (1941) 1942, 161-6.—Wechsner, B. G. [Resection of the intestines by the method of Grekov II] Nov. khir. arkh., 1938, 42: 55-67.—Williams, C. Aseptic intestinal resection; report of cases. Virginia M. Month., 1926-27, 53: 722-9.—Wolfson, W. L., & Rothenberg, R. E. A simple method of amputating exteriorized bowel with the Carr-Bilar lobectomy clamp. Surg. Gyn. Obst., 1936, 63: 497-9.—Wright, J. G. Bowel resection and lateral anastomosis in the dog. Vet. J., Lond., 1931, 87: 109-12.

Surgery: Suture [Enterorrhaphy]

CATALANO, F. E. *Enterorrafias. 93p. 27cm. B. Air., 1941.

Bosch Arana, G., & Fernicola, C. La enseñanza práctica de las distintas técnicas en las enterorrafias. Sem. méd., B. Air., 1936, 43: pt 1, 1509-15.—Catalano, F. E. Enterorrafias; estudio crítico experimental. Rev. cir. B. Aires, 1941, 20: 434-64; 494-520; 555-84.—Falcone, R. Su di una nuova sutura intestinale. Riv. chir., Nap., 1938, 4: 67-70.—Harvey, S. C. The choice of sutures in the surgery of the large intestine. Surg. Gyn. Obst., 1938, 66: 814.—Kaku, T. Erforschung über die Magendarmnähre, insbesondere über die schichtweise erfolgende mukonuköse und sero-seröse Naht; Vergleich der neuen Nahtmethode mit der Albertschen bezüglich der Enteroenteroanastomose mit Hunden. Jap. J. M. Sc., 1934-36, 4: Surg., 264.—Köhler, F. E. A double-inverting purse-string suture. Minnesota M., 1939, 22: 480.—Kopp, J. G. [Demonstration of an intestinal suture] Ncd. tschr. geneesk., 1929, 73: pt 1, 1030-2.—Mannini, R. Sutura extramucosa e diaterica elettrica; ricerche sperimentali sulla tecnica delle suture intestinali. Chir. chir., Milano, 1935, 38: 949-65.—May, H. Intestinal sewing clamps; their uses and advantages. Am. J. Surg., 1937, 38: 392-6.—Nores, A. (h.) La técnica de las suturas intestinales en las intervenciones por heridas penetrantes del abdomen; su importancia en cirugía de guerra. Rev. san. mil., B. Air., 1942, 41: 776-82.—Pérraie, Cylindres aseptiques en pâte alimentaire pour suture intestinales. P. verb. Congr. fr. chir., 1923, 32: 787.—Perrotti, G. Evoluzione e meccanismo di azione delle plastiche epiploiche libere e peduncolate in rapporto alle suture intestinali; plastiche sopra suture di intestino normale. Ann. ital. chir., 1926, 5: 1012-30.—Raiga, A. Une technique de fermeture des bords intestinaux sectionnés (procédé de l'enroulement). J. chir., Par., 1927, 29: 1-9.—Searf, J. E. Aseptic end-to-end suture of the intestine. Ann. Surg., 1926, 83: 490-5.—Scherbak, L. Eine Hilfe zu besserer Darmnaht. Münch. med. Wschr., 1927, 74: 1230.—Wakeley, C. P. G. Intestinal suture. Med. Press & Circ., Lond., 1935, 190: 38.

Toxemia [alimentary]

See also Dehydration; Enterotoxemia [of sheep] Infant nutrition, Disorder; Intestine, Contents: Putrefaction.

BASSLER, A. Intestinal toxemia (auto-intoxication) biologically considered. 433p. 8°. Phila., 1930.

BOGENDÖRFER, L. Ueber intestinale Auto-intoxikation. 24p. 8°. Berl., 1928.

TILDEN, J. H. Toxemia explained; the true interpretation of the cause of disease. 127p. 8°. [Denver, 1926]

Acuña, M. Un caso de toxicosis alimenticia. Día méd., B. Air., 1933-34, 6: 209.—Alkan, L. Intestinale Auto-intoxikation. Zschr. ärztl. Fortbild., 1932, 29: 233-6.—Arnold, L. Entero-intoxication. N. England J. M., 1929, 201: 811-4.—Baker, R. DeW. Some considerations of intestinal toxemia. Am. J. Gastroenter., 1913, 3: 5-7.—Bassler, A. Intestinal toxemia. Tr. Am. Ther. Soc. (1928) 1930, 28: 44-52. Also Med. J., N. Y., 1933, 137: 265-320. Also Arch. Phys. Ther., 1937, 18: 162-4.—Becher, E. Die klinische Bedeutung einiger Darmgifte im Organismus. Münch. med. Wschr., 1928, 75: 465-8.—Intestinale Auto-intoxikation. Erg. ges. Med., 1933, 18: 459-521.—Gastrointestinale Auto-intoxikation. Zschr. ärztl. Fortbild., 1935, 32: 530-3.—Intestinale Auto-intoxikation (Selbstvergiftung vom Darm) Klin. Wschr., 1937, 16: 145-52.—Intestinale Auto-intoxikation. Zschr. ärztl. Fortbild., 1939, 36: 618-21.—Bibb, R. H. L. Chronic intestinal auto-intoxication. Texas M. J., 1907-8, 23: 348-52.—Binnie, J. F. Chronic colonic intoxication. J. Missouri M. Ass., 1911-12, 8: 455-8.—Bohnsack, A. Intestinal auto-intoxication. J. Osteopathy, 1927, 34: 436.—Cooper, R. Intestinal intoxication; a review. Liverpool Med. Chir. J., 1933, 41: 51-62.—Cooper, M. A. Intestinal toxemia. Elect. M. J., 1933, 93: 105-7.—Corner, E. M. A note on alimentary toxemia. Polyclinic, Lond., 1913, 17: 105.—Crohn, B. B. Periodic explosive toxemias. N. York M. J., 1914, 119: 124-6.—Desgeorges, P. L'auto-intoxication intestinale chronique et ses multiples méfaits plus ou moins méconus. J. méd. Paris, 1927, 46: 298-301. Also Rev. méd., Par., 1927, 44: 163-88.—Dixon, A. Intestinal auto-intoxication. South. M. J., 1908, 1: 312-9. Also Charlotte M. J., 1909, 59: 1-6.—Fitch, W. E. Putrefactive intestinal toxemia. Med. J. & Rec., 1930, 132: 183; 221.—Gachlinger, H. Les problèmes de l'infection intestinale. Clinique, Par., 1938, 33: 137-10.—Galdi, F. Le auto-intossicazioni intestinali nell'adulto. Rass. clin. sc., 1933, 11: 3-16.—Goodhart, J. F. Alimentary toxemia. Lancet, Lond., 1913, 1: 1367.—Gordon, M. A. Las toxii infecciones intestinales. In Clin. enferm. infecc. (Fonso Gandolfo, C.) 2. ed., B. Air., 1939, 2: 842-70.—Grove, J. S. Intestinal toxemia. Illinois M. J., 1926, 50: 167-71.—Hall, T. P. Autotoxiosis. West. Canad. M. J., 1911, 5: 433-40.—Hardisty, E. B. The symptom complex of auto-intoxication; intestinal toxemia. Med. J. &

Rec., 1931, 133: 376-8.—**Hinkle, W. A.** The toxic overload. Clin. M. & S., 1932, 39: 789-91.—**Intestinal toxæmia.** Med. J. Australia, 1939, 1: 307.—**Kellogg, J. H.** New facts concerning intestinal auto-intoxication. Mod. Med., Battle Creek, 1907, 16: 106-8.—**Kraetzer, A. F.** Intestinal toxæmia. Med. Times, N. Y., 1934, 62: 40-4.—**Little, H.** Acute intestinal intoxication. Canad. M. Ass. J., 1923, 13: 803-6.—**McArthur, T. J.** Auto-intoxication. Tr. M. Ass. Georgia, 1909, 60: 127-35.—**McLaughlin, J. W.** Auto-intoxication. Texas M. J., 1914-15, 30: 149-54.—**Morse, F. H.** Intestinal toxæmia. Am. J. Phys. Ther., 1926 27, 3: 462-5.—**Nikitin, V. N.** [Auto-intoxication from the intestinal canal] Novoe med., 1913, 7: 1149-54.—**Ollive & Collignon.** A propos de l'épidémie de Cholet. Gaz. méd. Nantes, 1914, 2. ser., 32: 81-5.—**Pelletier, E. F.** Intestinal toxæmia. Bull. Off. Pract., 1934-35, 8: 156-8.—**Pron, L.** La toxi-infection alimentaire chronique. Bull. Soc. méd. Paris, 1938, 703-7. Also Hôpital, 1939, 27: 98.—**Puria, R. A.** [Clinical aspect of alimentary toxic infections] Sovet. med., 1941, 5: No. 10, 3-9.—**Seyderhelm, R.** Das Problem der darmbakteriogenen Intoxikation einst und jetzt. Tughechi med. Mschr., 1929-30, 5: 280-93.—**States, W. G.** Auto-intoxication of intestinal origin. Merck's Arch., 1910, 12: 205; 243.—**Stimson, C. A.** Chronic putrefactive intestinal toxæmia. Med. World, 1938, 56: 319-21.—**Tucker, J.** Intestinal toxæmia. Med. Clin. N. America, 1935-36, 19: 1819-30.—**Walter, C. H.** Intestinal toxæmia. Pacific Coast J. Homoeop., 1931, 42: 475-81.—**White, W. H.** Alimentary toxæmia: a summary and reply. Lancet, Lond., 1913, 1: 1440.—**Wiltzie, J. W.** Chronic intestinal toxæmia. Internat. J. M. & S., 1933, 46: 165-7.

— Toxæmia: Diagnosis and symptoms.

Becher, E. Herzneurose und intestinale Autointoxikation. Verh. Deut. Ges. Kreislaufforsch., 1933, 6: 248.—**Belli, C. M.** Cause e sintomi della autointossicazione intestinale. Rinasc. med., 1934, 11: 469.—**Büngeler, W.** Der anatomische Nachweis der intestinalen Autointoxikation. Med. Welt, 1935, 9: 515-8.—**Daland, J.** Pseudopositive reaction in uremia and intestinal toxæmia. N. York M. J., 1905, 102: 267.—**D'Amato, H. J.** Las manifestaciones clinicas de la intoxicación intestinal. Arch. argent. enferm. ap. digest., 1936-37, 12: 403-12. Also Sem. méd., B. Air., 1937, 44: pt 1, 1311-4.—**Gougerot & Durel.** Nouvel cas d'autotoxicides érythématopigmentées fixes. Bull. Soc. fr. derm. syph., 1933, 40: 1718-21.—**Houghton, H. A.** The indican reaction as evidence of enterogenic intoxication. Am. J. M. Sc., 1908, n. ser., 135: 567-74.—**Jordan, A. C.** Chronic skin troubles of toxæmic origin. Practitioner, Lond., 1933, 131: 593-605.—**Labbé, H., & Vitry, G.** L'urine dans l'intoxication digestive. Rev. méd., Par., 1908, 28: 970-86.—**Leite, S., filho.** O coma nas auto-intoxicações (semiologia, prognostico, tractamento) Arch. riogrand. med., 1921, 2: 93-102.—**Malý.** [Slowing of respiration caused by auto-intoxication] Cas. lék. česk., 1914, 53: 1166-72.—**Matignon, J.** Toxi-infection intestinale et troubles auditifs. Rev. gén. clin. théor., 1927, 41: 327.—**Miranda, A. de.** Hemorrhagias por intoxicação intestinal. J. Soc. sc. med. Lisboa, 1908, 72: 313-21.—**Oefelein, F.** Sinn und Wert der Bestimmung von Darmfäulnisprodukten im Blut mittels der Xanthoproteinreaktion. Hippokrat. Stuttg., 1937, 8: 863-6.—**Synnott, M. J.** Intestinal toxæmia: its diagnosis and treatment. Med. J. N. Y., 1932, 136: 441-7.—**Teal, F. F.** Gastrointestinal toxæmia and its relation to ocular pathology. Tr. Am. Acad. Ophth., 1926, 31: 176-85.—**Uzêda, V. de.** Intoxicação, ou infecção alimentar? Pol. med., Rio, 1933, 14: 620.

— Toxæmia: Pathology.

See also *Aertrycke bacillus*, Infection; Allergy; Constipation, Manifestations; Ileus; Intestine, Occlusion.

FALLOISE, A. Etude des poisons normaux de l'intestin chez l'homme et des moyens de défense contre ces poisons. 89p. Brux., 1907.

KORNSTEIN, A. *Experimentelle und klinische Untersuchungen über die Verhältnisse der Eiweissfäulnis bei verschiedenen operativen, chemischen und diätetischen Eingriffen im Magen-Darmkanal. 31p. 8°. Bresl., 1934.

PAFFRATH, H. Permeabilitätsstudien an der Darmschleimhaut; zugleich ein Beitrag zur Pathogenese der Säuglingsintoxikation. 115p. 8°. Berl., 1931.

Arnold, L. The passage of living bacteria through the wall of the intestine and the influence of diet and climate upon intestinal auto-infection. Am. J. Hyg., 1928, 8: 604-32.—**Baker, C. E.** The physiological effects of certain toxic substances of gastro-intestinal origin. Illinois M. J., 1927, 51: 325-7.—**Becher, E.** Zur Frage der intestinalen Autointoxikation. Klin. Wschr., 1931, 10: 1009; 1057.—**Biehl, M.** Die pathologische Anatomie der akuten, subakuten, chronischen und latenten Intoxikation durch die Phenol-Indolkörper im Tierversuch. Beitr. path. Anat., 1930, 84: 257-65.—**Binet, M. E., Mathieu de Fossey, A., & Goiffon.** L'auto-intoxication phénolique et sa diurèse compensatrice. Bull. Soc. méd.

hóp. Paris, 1926, 3. ser., 50: 491-3. Also Progr. méd., Par., 1926, 41: 490-5.—**Bostrom, A.** Ueber eine enterotoxische gleichartige Affektion der Leber und des Gehirns (Pseudosklerose; Wilson'sche Krankheit usw.) Fortsch. Med., 1914, 32: 205; 238.—**Büngeler, W.** Alterações sanguíneas em consequência de auto-intoxicação intestinal. Arq. cir. clin. exp., S. Paulo, 1941, 5: 69-73.—**D'Amato, H. J.** Etiologia de la toxemia intestinal. Sem. méd., B. Air., 1936, 43: pt 2, 645-8.—**Desgeorges, P.** De l'auto-infection intestinale chronique; elle joue, en pathologie, un rôle énorme et largement méconnu. Hôpital, 1925, 13: 373-6.—**Dinerstein, Z. M., Eisenberg, S. E., & Levitina, P. E.** [Metabolism in toxic alimentary disorders] Vrach. delo, 1937, 19: 135-42.—**Dutour, A.** Les putréfactions; les poisons intestinaux. J. diét., Par., 1911, 2: 64-6.—**Polsons intestinaux et scléroses.** Ibid., 87-9.—**Elifani, G.** Azione di veleni intestinali sul cuore di rana. Gazz. internaz. med. chir., 1910, 13: 717-22.—**Eppinger, H., & Gutmann, J.** Zur Frage der vom Darm ausgehenden Intoxikationen. Zschr. klin. Med., 1913, 78: 399-412.—**Gregory, W. M.** The importance of enlarged rectal valves in causing auto-toxæmia. Cleveland M. J., 1917, 16: 26.—**Hanskiou, F. M.** [Intestinal toxins and blood pressure] Klin. med., Moskva, 1931, 9: 719-22.—**Hemmeter, J. C.** Intestinal toxæmia; enterotoxines allied to adrenalin in composition which cause rise in blood pressure and increased sympatheticus. Tr. Am. Gastroenter. Ass., 1922, 25: 201-5.—**Hill, H.** Intestinal toxæmia without an organic obstruction. Med. Rec., San Ant., 1926, 20: 138-40.—**Jordan, A. C.** Toxæmia and colitis. Internat. J. M. & S., 1934, 47: 113-35.—**Kollath, W., Geiger & Kramer.** Intestinale Autointoxikation, Dysbakterie und die lebenswichtige Anaerobiose des Darminnens. Münch. med. Wschr., 1941, 88: 1098.—**Läwen, A., & Lauber, H. J.** Ueber Erregbarkeitsprüfungen an menschlichen Magen-, Darm-, Gallenblasen- und Ureterstreifen im gesunden und kranken Zustande; ein Beitrag zur Kenntnis des Angriffspunktes der Bakterientoxine. Beitr. klin. Chir., 1934, 159: 447-77.—**Lieb, C. W., & Chapman, G. H.** Studies in intestinal intoxication; toxicity appraisal of intestinal bacteria by a new method. N. York State J. M., 1929, 29: 1323-5.—**Malmberg, N.** Fortgesetzte Studien über die Einwirkung der parenteralen Infektion und Intoxikation auf den Chlor-, Kalzium- und Magnesiumstoffwechsel. Acta paed., Upps., 1926-27, 6: 265-301.—**Manion, R. J.** Three cases of acute gastrointestinal intoxication with constipation and a suggested method of surgical treatment. N. York M. J., 1913, 98: 474.—**Orlov, N. I.** [Etiology, epidemiology and prophylaxis of alimentary toxic infections] Sovet. med., 1941, 5: No. 10, 9-16.—**Peradotto, V.** La enterotoxicosis y su relación con la tensión arterial. Sem. méd., B. Air., 1930, 37: pt 1, 1085-99.—**Pilod.** Etiologie des toxi-infections d'origine alimentaire; leur prophylaxie dans l'armée. Rev. méd. fr., 1930, 11: 731-40.—**Roger, H.** An experimental study of the intestinal functions with special reference to intestinal toxæmia. Mod. Med., Battle Creek, 1907, 16: 257.—**Roger, H., & Garnier, M.** Nouvelles recherches sur les poisons intestinaux. Rev. méd., Par., 1910, 30: 233-72.—**Rosell, J. M.** Crítica de las doctrinas sobre autointoxicación. Siglo méd., 1919, 66: 61; 85.—**Scheltema, M. W.** [Peculiar course of a disease] Geneesk. gids, 1931, 9: 245-52.—**Selye, H.** The effect of the alarm reaction on the absorption of toxic substances from the gastro-intestinal tract. J. Pharm. Exp. Ther., 1938, 64: 138-45.—**Spadolini, I.** Sur les lésions expérimentales des nerfs mésentériques et de l'appareil parathyroïdien par rapport aux intoxications d'origine intestinale. Arch. ital. biol., 1926, 77: 17-27.—**Speechly, H. M.** The auto-intoxicant at the breakfast and other tables. West. Canada M. J., 1910, 4: 289-95.—**Tönnis, W., & Bruijs, A.** Veränderungen des morphologischen Blutbildes bei akuter und chronischer Darminhaltstauung (ein Beitrag zur intestinalen Auto-intoxikation) Deut. Zschr. Chir. 1931, 233: 133-48.—**Twitchell, J. C.** Intestinal toxæmia and the endocrines. Clin. M. & S., 1934, 41: 80.—**Watson, C.** Auto-intoxication and subinfection. Brit. M. J., 1914, 1: 272.—**Williams, B. W.** Importance of toxæmia due to anaerobic organisms in acute intestinal obstruction and peritonitis. Lancet, Lond., 1927, 1: 907-12.—**Wladyczko, S.** De l'influence des poisons intestinaux (paracérèsol et indol) sur le système nerveux central des animaux. Ann. Inst. Pasteur, Par., 1913, 27: 336-40.—**Zemets, A. A.** [Remote sequelae of alimentary toxic infections] Sovet. med., 1940, No. 9, 12-5.

— Toxæmia: Treatment and prevention.

D'AMATO, H. J. El tratamiento moderno de la intoxicación intestinal. 23p. 22½cm. B. Air., 1938.

Also Arch. argent. enferm. ap. digest., 1937-38, 13: 294.

LOEFER, M., & PERRAULT, M. Le traitement des intoxications alimentaires. 74p. 23cm. Par., 1937.

PAULSEN, A. E. *The influence of treatment for intestinal toxæmia on mental and motor efficiency [Columbia Univ.] 46p. 8°. N. Y., 1924.

SATTERLEE, G. R. Autogenous vaccines in the study, diagnosis and therapy of chronic intestinal toxæmia. 15p. 8°. [n. p.] 1916.

WILTSIE, J. W. Chronic intestinal toxemia and its treatment. 268p. 19cm. Balt., 1938.

Altuna, M. E. Sensibilización y desensibilización: concepto moderno y tratamiento de la intoxicación intestinal. Rev. méd. cubana, 1928, 39: 414-20.—Bartie, H. J. Intestinal (protein) intoxication; treatment. Tr. Am. Gastroenter. Ass. (1928) 1929, 31: 298-312. Also Med. J. & Rec., 1928, 128: 386; 446.—Becher, E. Neue Befunde über das Verhalten von Darmpfäulnisprodukten im Blut. Verh. Ges. Verdauungs-kr., 1934, 12: 131. —Fussgänger, R. Ueber die Beeinflussung der Darmgiffausscheidung durch Allisatin. Münch. med. Wschr., 1930, 77: 2139-41.—Bettinotti, S. L. Toxicosis alimenticia; tratamiento integral del coma tóxico. Sem. méd., B. Air., 1933, 40: pt 1, 499-504.—Boros, E. Milk sugar in the treatment of intestinal toxemia, with special reference to constipation. Med. J. & Rec., 1933, 137: 140-4.—Castellanos, A. Exanguíneo-transfusión versus transfusión en el tratamiento de la toxi-infección intestinal del lactante. Bol. Soc. cubana pediat., 1938, 10: 23-52.—Chiray, M., & Baumann, J. Traitement médical de l'intoxication d'origine intestinale (toxiémie iléo-typho-colique) Presse méd., 1934, 42: 1137-9.—Combe, A. The treatment of intestinal auto-intoxication by the introduction of antagonistic microbes to combat proteid putrefaction in the bowel. Mod. Med., Battle Creek, 1907, 16: 280-5.—D'Amato, H. J. Fisioterapia de la toxemia intestinal; determinismo de la enterotoxosis. Arch. argent. enferm. ap. digest., 1930-37, 12: 80-8.—De Vries, J. C. The psychic phenomena of intestinal toxemias and their treatment. Mil. Surgeon, 1908, 22: 37-45.—Dickinson, W. L. Intestinal auto-intoxication; its treatment by irrigation. Tr. Am. Proct. Soc., 1909, 92-4.—Ecker, E. The probability of cecal toxemia and a method of changing the cecal plauton. Dementia Praecox Stud., 1919, 2: 6.—Eustis, A. Dihydrol in the treatment of chronic intestinal toxemia. South. M. J., 1932, 25: 1231-3.—Forchheimer, F. The treatment of chronic intestinal auto-intoxication. Cleveland M. J., 1909, 8: 307-17. Also Woman's M. J., 1909, 19: 114-7.—González, A. F. Auto-intoxicación intestinal y bioterapia láctica. Rev. med. aliment., Santiago, 1933-35, 1: 284-8.—Green, C. W. Atoxic dietetics. Australas. J. Pharm., 1936, n. ser., 17: 102; 207.—Gutman, J. Intestinal toxemia and physical therapy. Tr. Am. Ther. Soc., 1925-26, 27: 191-6.—Hardisty, E. B. Dietetic treatment of auto-intoxication. Clin. M. & S., 1932, 39: 346-9.—Hurtado, F. A study of the globular and plasmatic chlorine as an index of prognosis and treatment in acute intestinal toxo-infection syndrome of the infant. Bol. Soc. cubana pediat., 1939, 11: 81-8.—Jarvis, N. S. How can auto-intoxication, that rarely recognized disease, which has directly, or indirectly caused more invalidism and mortality in modern armies than all other pathogenic causes combined, be prevented? J. Mil. Surg. Inst., 1912, 51: 25-46.—Karelitz, S. Intestinal intoxication; its prevention. Prev. Med., N. Y., 1936, 6: No. 5, 11-11.—Löwy, J. Alkalithérapie und Autotoxikosen. Prag. med. Wschr., 1913, 38: 361-5.—Lorand, A. Le rôle de l'auto-intoxication intestinale dans la production de la vieillesse; rejuvenissement par les moyens médicaux. Clinique, Par., 1929, 24: 205-7.—Mills, C. A. The intestinal toxemia syndrome; treatment with kaolin. J. Lab. Clin. M., 1934-35, 20: 801-5.—Mouriquand, G. Synergies diététiques; les vitamines, l'équilibre alimentaire et les diététiques. Lyon méd., 1933, 152: 645-51. — & Bernheim, M. Diététiques et protection du foie par l'équilibre alimentaire. C. rend. Acad. sc., 1933, 197: 1159.—Mutch, N. The adsorption treatment for auto-intoxication. Am. Med., 1929, 35: 365.—Neustatter, O. Kritisches zu dem Artikel: Ueber die Möglichkeit der Entgiftung des Darminhaltes durch Neokruschensalz (Quellsalz der Vauquelelle) Münch. med. Wschr., 1930, 77: 1320.—Rainey, W. T. The milk regimen in intestinal intoxication. Med. Progr., Louisv., 1926, 42: 159-62. Also N. Albany M. Herald, 1926, 35: 28-31.—Running, E. H. Treatment of acute intestinal intoxication. Southwest, M., 1939, 23: 225.—Saundby, R. The consequences and treatment of alimentary toxemia from a medical point of view. Proc. R. Soc. M., Lond., 1913, 6: Suppl. 37-48.—Schoenbaum, M., & Moomaw, W. A. Toxemia of intestinal origin and its treatment with castor oil and castor oil derivatives. Virginia M. Month., 1936-37, 63: 306-10.—Scott, J. P. Intestinal intoxication; a review of cases with notes on treatment. Pennsylvania M. J., 1936-37, 40: 934-9.—Seiffert, J. Zur Durchtrennung der grauen Sympathicusfasern bei toxisch bedingter Ernährungsstörung. Zbl. Chir., 1933, 60: 2317-20.—Shelberg, O. B. There are many reasons why physicians should practice colonic therapy. Ther. Diet. Age, 1925, 4: 79-82.—Spiesman, I. G. Acidophilus milk vs. intestinal toxemia. J. Am. Ass. Med. Phys. Res., 1924-25, 2: 157.—Sumnerfeldt, P., & Brown, A. The treatment of acute intestinal intoxication. Canad. M. Ass. J., 1931, 25: 288-92.—Vincent, H. Action antitoxique de la bile sur les toxines microbiennes de l'intestin. C. rend. Soc. biol., 1909, 67: 679-81.—Vogel, M. Ueber die Bindung von Darmgiften und Alkaloiden durch Heilerde. Balneologie, 1938, 5: 108-14.—Wegele, C. Neuere Forschungen auf dem Gebiete der intestinalen Autointoxikationen und ihre Behandlung. Würzb. Abh. Med., 1910, 10: 181-98.—Wiltzie, J. W. Colonic therapy in the treatment of intestinal toxemia. Med. Rec., N. Y., 1938, 147: 494-7. — Colonic therapy in the treatment of chronic intestinal toxemia. Brit. J. Phys. M., 1939, n. ser., 2: 11-6.

Tumor.

See also subheadings (Angioma; Cancer; Cyst; Endometriosis; Fibroma; Lipoma, etc.)

NEGRI, G. I tumori dell'intestino e del mesenterio e loro cura. 704p. 8°. Parma, 1916.

REICHEL, P., & STAEMMLER, M. Die Neubildungen des Darmes. 2v. 380p.; 487p. 8°. Stuttg., 1924-33.

SCHÄFER, H. O. *Zur Kasuistik der gutartigen Darmgeschwülste. 23p. 8°. Berl., 1930.

Hueper, W. C. Tumors in the various organs of the alimentary system; intestine. In his Occup. Tumors, Springfield, 1942, 334-42.—Klopp, J. H. Intestinal tumors. Surg. Clin. N. America, 1930, 10: 1389-410.—Labbé, A. Tumeur complexe avec scission de l'intestin chez un merlan (Merlangius merlangus L.). C. rend. Soc. biol., 1929, 102: 312.—Morgan, W. G. Tumors of the intestines. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 8: 48-53.—Scheitz, L. [Non-malignant tumors of the intestinal tract] Gyógyászat, 1930, 70: 556-62, 2 pl.—Vercellotti, G. Le neoplasie primitive dell'intestino (contributo statistico, clinico ed anatomo-patologico) Clin. med. ital., 1928, 59: 283; 391.

Tumor: Diagnosis.

Babcock, W. W. Diagnosis and treatment of tumors of the intestine. Proc. Interst. Postgrad. M. Ass. N. America, 1939, 116-20.—Bauer. Extragastral Tumor. Röntgenpraxis, 1937, 9: 341.—Chaiika, A. [Pseudotumors of large intestines of non-specific origin] Vest. khir., 1927, 11: No. 33, 88-93.—Dukes, C., & Bussey, H. J. R. Preparation and mounting of museum specimens of intestinal tumours. J. Techn. Meth., Toronto, 1936, No. 15, 44-8.—Florian, K. Beitrag zur Röntgenologie seltener Darmtumoren. Wien. med. Wschr., 1936, 86: 966. Also Arch. radiol., Nap., 1937, 13: pt 1, 79.—Hloway, H. Ein klinischer Beitrag zur Frühdiagnose der Neoplasmen im Darmtraktus und ihrer Lokalisation. Arch. Verdauungs-kr., 1926, 38: 87-97. — A clinical contribution to the early diagnosis and the localization of new growths (tumors) of the bowels. Am. Med., 1930, 25: 355-60.—Kozdoba, A. Z., & Schwartz, J. E. [Diagnostic errors in tumors and other affections of the large intestine] Vest. khir., 1939, 57: 203-6.—Papin, F., Michelaeu & Réchou. Tumeurs intestinales et para-intestinales et radiographie. Gaz. se. méd. Bordeaux, 1926, 47: 83-5.—Singer, G. Die Rektio-Romanoskopie im Dienste der Tumordiagnose. Wien. med. Wschr., 1931, 81: 811-6.—Trettenner, V. Tre casi di tumore intestinale; contributo clinico alla diagnostica differenziale delle malattie ginecologiche. Atti Soc. ital. ostet., 1899, 6: 102-21.—Zinner. Ureterogr. mm führt zur Aufdeckung eines Darmtumors. Zschr. urol. Chir., 1935-36, 41: 115.

Tumor: Pathology.

AUDIGIER, F. *Contribution à l'étude des tumeurs conjonctives bénignes de l'intestin. 38p. 8°. Par., 1926.

Bergendal, S., & Sjövall, A. Ein Beitrag zur Klinik und Pathologie der solitären Darmneurinome. Chirurg, 1937, 9: 573-9.—Bonnaumour, Duplant & Magnard. Mécanisme de l'invagination de l'adulte par les tumeurs bénignes de l'intestin. J. méd. Lyon, 1932, 13: 507.—Dukes, C. Multiple intestinal tumours: a familial disease. Eugen. Rev., Lond., 1934, 25: 241-3.—Iribiarne, J., & Contreras Ortiz, N. Tumor paraintestinal de origen amebiano. Reun. Soc. argent. pat. region. (1929) 1930, 5. meet., 2: 969-79.—Jayle, F. Le solénone de l'intestin rectum excepté. Rev. fr. gyn. obst., 1927, 22: 365-408.—Johannessen, A. Des formations de tumeurs intestinales dans les premières années de la vie. Acta paediat., Upps., 1927-28, 7: Suppl. 2, 213-8.—Kennedy, J. P. Tumours of the intestine causing intussusception; case reports. Tr. M. Soc. N. Carolina, 1923, 70: 331-6.—Kreibig, W. Ueber multiple Geschwulstbildung im Darmtrakt. Deut. Zschr. Chir., 1929, 219: 334-8.—Macklin, M. T. Sex incidence of cutaneous tumors. Am. J. Surg., 1933, 21: 438-45.—Michlaedter, G. Contributo allo studio dei tumori benigni dell'intestino. Arch. ital. mal. app. diger., 1933, 2: 539-60.—Rosselet, A., & Dufour, R. Contribution au radiodiagnostic des tumeurs invaginées du gros intestin. Radiol. Rdsh., 1938, 7: 217-22.—Schyns. Cas d'occlusion intestinale par tumeur chez le bête bovine. Echo vét., Liège, 1912-13, 41: 353-6.—Sindoni, M. Sui tumori benigni dell'intestino. Arch. ital. anat. pat., 1934, 5: 177-208.—Unusual varieties of intestinal tumours. Annual Rep. Brit. Empire Cancer Campaign, 1939, 16: 94.—Vansteenberghe. Tumeur bénigne de l'intestin et invagination intestinale. Lyon méd., 1932, 149: 518-21.—Willis, R. A. Metastatic tumours in the intestines. Austral N. Zealand J. Surg., 1931, 1: 41-51.

Tumor: Treatment.

Florian, K. Beitrag zur Röntgenologie seltener Darmtumoren. Fortsch. Röntgenstrahl., 1937, 56: 190-2 [Discussion] 196.—Pupovac, D. Die chirurgische Behandlung der Darmtumoren. Wien. med. Wschr., 1926, 76: 641; 967.—

Victor-Pauchet. Néoplasme du côlon descendant et de la sigmoïde; comment fermer le ventre après les opérations septiques ou demi-septiques juxta-intestinales. *Bull. Soc. chir. Paris*, 1933, 25: 721-3.

Ulcer.

See also subheading Hemorrhage; also names of ulcerating intestinal diseases as **Dysentery**; **Typhoid fever**, etc.

Barlow, D. Simple ulcers of the caecum, colon, and rectum. *Brit. J. Surg.*, 1940-41, 28: 375-81.—**Crosnier, R.** Hémorragie intestinale post-vaccinale chez un sujet porteur d'une recto-côlite ulcéro-sténosante ignorée. *Bull. Soc. méd. mil. fr.*, 1939, 33: 367-71.—**Felsen, J.** A practical etiological, pathological and clinical consideration of intestinal ulceration with especial reference to amebic dysentery, bacillary dysentery and idiopathic ulcerative colitis. *Am. J. Digest. Dis.*, 1934, 1: 297-305.—**Friedman, N. B., & Warren, S.** Evolution of experimental radiation ulcers of the intestine. *Arch. Path., Chic.*, 1942, 33: 326-33.—**Kállay, F.** [Simple intestinal ulcer] *Orv. hetil.*, 1939, 83: 757-9.—**Konecny, J.** [Case of callous perforating intestinal ulcer] *Cas. lék. česk.*, 1929, 68: 1374-6.—**Lind, S. C.** Simple ulcer of the intestine. *Ohio M. J.*, 1931, 27: 621-7.—**McLaughlin, C. W., jr.** Intestinal ulceration following adrenal damage. In *Surgery* (Ravdin, I. S.) Phila., 1935, 554-8.—Intestinal ulceration following adrenal damage; experimental observations. *Ann. Surg.*, 1935, 101: 534-8.—**Martin, C. L.** Ulcers of the rectum and sigmoid; the differentiation of tuberculous ulcers from amebic ulcers, and chronic ulcerative colitis. *J. Am. M. Ass.*, 1931, 98: 27-31.—**Morris, R. T.** Notes on mid-gut ulcer. *Tr. Am. Ther. Soc.*, 1925-26, 26: 49.—**O'Reilly, J. J.** Death following perforation of stercoraceous ulcer. *Lancet*, Lond., 1935, 2: 1175.—**Reichel.** Das Problem des Kocherschen Dehnungsgeschwürs. *Deut. Zschr. Chir.*, 1931, 232: 758-64.—**Rufanov, I. G.** [Ulcers due to dilatation of the intestinal tract] *Sovet. klin.*, 1933, 19: 493-501.—**Sainz Trejo.** El dolor en la perforación del úlcus y en la apendicitis. *Bol. Sanat. Rafael Lavista, Veracruz*, 1941-42, 2: 11-3.—**Stelzer, S.** Ein experimenteller Beitrag zur Frage der Entstehung von Darmgeschwüren. *Beitr. klin. Chir.*, 1935, 161: 399-410.—**Zaffagnini, A.** L'ulcera semplice dell'intestino. *Clin. chir.*, Milano, 1933, n. ser., 9: 1126-39.

Ulcer: Treatment.

Bargen, J. A. Chemotherapy in ulcerative intestinal disease. *N. York State J. M.*, 1942, 42: 2011-5. Also *Clin. Excerptis*, 1943, 17: 47-51.—**Stickney, J. M., Heilman, F. R.** [et al.] Sulfaguanidine in ulcerative intestinal disease. *Proc. Mayo Clin.*, 1942, 17: 33-44.

Villi.

MATTHIAS, W. *Vergleichende histologische Untersuchungen über den Bau der Darmzotten und Versuch einer Berechnung ihrer Oberflächen bei verschiedenen Haustieren [Bern] 35p. 8°. Bonn, 1910.

ZÖRNER, G. *Systematische Untersuchungen des Zellbildes der Darmzotten bei Rinderfoeten, Milchkälbern und älteren Kälbern, mit besonderer Berücksichtigung der anatomischen Diagnose Enteritis. 32p. 21cm. Lpz., 1937.

Bürker, K. Vorweisung eines Films von Herrn Verzá, der das Pumpen der Dünndarmzotten zeigt. *Verh. Deut. path. Ges.*, 1935, 28: 274.—**De Gaetani, G. F.** Sulla morfologia dei villi intestinali dell'uomo. *Arch. sc. med., Tor.*, 1928, 52: 48-64, pl.—**Domini, G.** Sulle modificazioni di struttura del villo intestinale in animali sottoposti a regimi carenzati (osservazioni nell'avitaminosi C della cavia) *Atti Accad. fisiocr.*, Siena, 1934, 11. ser., 2: 65.—**Fiorentini, C., & Gomarasca, P.** Sul meccanismo della scomparsa dei villi durante lo sviluppo dell'intestino crasso. *Arch. ital. anat.*, 1937, 38: 512-26, pl.—**Frazzetto, S.** Sulla interpretazione delle cosiddette figure del Mingazzini nel villo intestinale. *Atti Soc. sc. med. natur. Cagliari*, 1930, 5. ser., 32: 129-34.—Aspetti del villo intestinale di cavia durante il digiuno. *Arch. ital. anat.*, 1930-31, 28: 569-93, 2 pl.—**Gerlőczy, F.** [Histological studies on the basal membrane of the intestinal villi] *Magy. orv. arch.*, 1933, 34: 542-6, 4 pl.—**Ide, M.** Les villosités intestinales. *Rev. méd. Louvain*, 1928, 109-11.—**Kato, R., & Okuda, K.** [Ueber die Darmzotten des Kaninchens] *Mitt. Med. Ges. Osaka*, 1941, 40: 330-4.—**Königes, H. G., & Ottó, M.** Studies on the filtration mechanism of the intestinal lymph and on the action of acetylcholine on it and on the circulation of the intestinal villi. *Q. J. Exp. Physiol.*, Lond., 1936-37, 26: 319-29.—Contributions to the filtration mechanism of the intestinal villi. *Arch. exp. Zellforsch.*, 1936-37, 19: 384.—**Kokas, E.** Vergleichend-physiologische Untersuchungen über die Bewegung der Darmzotten. *Arch. ges. Physiol.*, 1930, 225: 416-20; 1932, 229: 486.—[Movement of intestinal villi] *Orvosképzés*, 1939, 29: 46-52.—& **Ludány, G.** Weitere Untersuchungen über die Bewegung der Darmzotten. *Arch. ges. Physiol.*, 1930, 225: 421-8.—Die Beobachtung der Zottenbewegung am überlebenden Darm. *Ibid.*,

1932-33, 231: 20-3.—Die Breite der Muscularis mucosae und die Darmzottenbewegung. *Ibid.*, 332-5.—Die hormonale Regelung der Darmzottenbewegung. *Ibid.*, 1934, 234: 182-6.—Nouvelles recherches sur la régulation hormonale des mouvements des villosités intestinales. *C. rend. Soc. biol.*, 1934, 117: 972-4.—Weitere Untersuchungen über die nervöse Beeinflussung der Darmzottenbewegung. *Arch. ges. Physiol.*, 1938-39, 241: 268-71.—**Lambertini, G.** Studio comparativo sulla formazione dei villi. *Arch. ital. anat.*, 1929, 26: 401-16, 2 pl.—**Ludány, G.** [Hormonal regulation of movement of intestinal villi] *Orvosképzés*, 1939, 29: 53-7.—& **Franzi, L.** [Secretin and the movement of the villi of the intestine] *Magy. orv. arch.*, 1940, 41: 373-5.—**Ludány, G., & Jourdan, F.** Influences du pneumogastrique et du sympathique sur la motricité des villosités intestinales. *C. rend. Soc. biol.*, 1935, 119: 1189.—**Ludány, G., & Kováts, J.** Die Wirkung der Darmgase auf die Bewegung der Darmzotten. *Arch. ges. Physiol.*, 1939-40, 243: 768-72.—**Mazzanti, L.** Sui primi momenti dello sviluppo dei villi intestinali nei feti di cavia. *Monit. zool. ital.*, 1935-36, 46: 21-4.—**Ottó, M., & Königes, H. G.** [Researches concerning the isotonic contraction of a single intestinal villus and its role in forwarding the lymph] *Magy. orv. arch.*, 1937, 38: 162-71.—**Patzelt, V.** Ueber die erste Entwicklung der Zotten im menschlichen Darms und ihre Beteiligung an der Bildung der Krypten. *Verh. Anat. Ges.*, 1931, 39: 95-107.—**Röhlich, K.** Bindegewebe und Muskulatur der Dünndarmzotten und ihre Beziehungen zur Fettresorption. *Ibid.*, 1934, 42: 211-20.—**Sass, G.** Ueber die Bedeutung der Zottengrösse in den Massverhältnissen des Dünndarms. *Ibid.* (1938) 1939, 46: 410-5.—**Sato, I.** Experimentelle Studien über die Darmzottenbewegung und die verschiedenen Einflüsse auf sie. *Mitt. Med. Akad. Kioto*, 1937, 21: 901-4.—**Spanner, R.** Die Entwicklung der Darmzotten der Maus durch Knospung und Spaltung untersucht am Gefässbaum. *Morph. Jahrb.*, 1931, 67: 235-61.—**Törö, I.** Ueber den Mechanismus der Darmzotten. *Verh. Anat. Ges.*, 1928, 37: 188-92, 3 pl.—[Contribution to the structure and mechanism of intestinal villi] *Magy. orv. arch.*, 1928, 29: 114-33.—**Verzá, F., & Kokas, E.** Die Rolle der Darmzotten bei der Resorption. *Arch. ges. Physiol.*, 1927, 217: 397-412.—**Wells, H. S., & Johnson, R. G.** The intestinal villi and their circulation in relation to absorption and secretion of fluid. *Am. J. Physiol.*, 1934, 109: 387-402.

Volvulus.

For congenital volvulus see **Intestine**, **Abnormality**; **Volvulus**; see also **Helminthosis**; **Mesentery**; **Onchocercosis**, etc.

DSCHOU, D. B. *Ueber Volvulus, unter Anführung eines Volvulus bei einem 12 Tage alten Säugling. 31p. 21cm. Münch., 1938.

JARUSLAWSKY, W. *Die operative Behandlung des Volvulus der Flexur mit Berücksichtigung eines Falles. 18p. 8°. Königsb., 1928.

KALLIO, K. E. Die Knotenbildungen des Darmes. 276p. 8°. Helsin., 1932.

KUNZ [G.] E. *Der Volvulus des Coecums und Dickdarmanfangs. 27p. 8°. Königsb., 1927.

Also *Arch. klin. Chir.*, 1928, 151: 547-64.

MAROGER, B. *Sur 2 nouvelles observations de volvulus au cours de la grossesse. 64p. 8°. Par., 1933.

YÁÑEZ ROMERO, A. *Vólvulo del tubo digestivo; estudio clínico y experimental [Chile] 64p. 26cm. S. Diego, 1940.

Abdański, A., & Landsberg, J. [Percain lumbar anesthesia in treatment of volvulus] *Polska gaz. lek.*, 1934, 13: 357.—**Bäumler, O.** Ueber chronischen Volvulus. *Mischr. Kinderh.*, 1935, 63: 386.—**Barber, F.** Volvulus bei Coecum mobile. *Zbl. Chir.*, 1937, 64: 1093-6.—**Baskakov, A. S.** [Extensive excision of the intestines in 2 cases of volvulus] *Nov. khir. arkh.*, 1936, 37: 485.—**Benham, H. W.** An unusual case of volvulus. *Lancet*, Lond., 1932, 2: 340.—**Betts, A.** Volvulus. *Radiogr. Clin. Photogr.*, 1938, 14: 15.—**Bohème, P.** Le volvulus intestinal dans le jeune âge; ses particularités. *Arch. fr. belg. chir.*, 1927, 30: 34-49.—**Borow, B., & Borow, H.** Operation for volvulus with recovery. *J. Am. M. Ass.*, 1937, 108: 43.—**Bowen, W. H.** Successful resection of 8 ft. of small bowel in a boy for gangrene due to torsion of the mesentery. *Clin. J., Lond.*, 1939, 68: 117-9.—**Brea, M. M., & Dassen, R.** Vólvulo total crónico del intestino delgado y del segmento cecocolico ascendente. *Bol. Soc. cir. B. Aires*, 1935, 19: 979-93. Also *Sem. méd.*, B. Air., 1936, 43: pt 1, 586-92.—**Brenner, E. C.** Total volvulus. *Am. J. Surg.*, 1932, n. ser., 16: 34-44.—**Bruce, J. W.** Volvulus; report of a case in an infant aged 15 days. *Am. J. Dis. Child.*, 1927, 33: 949-51.—**Donald, C.** Volvulus of small gut, caecum, and ascending colon, associated with congenital reversed rotation of intestine and with pregnancy. *Brit. J. Surg.*, 1927-28, 15: 269-72.—**Dwerges, O.** Obstruction intestinale par torsion du méseintère; résection de 90 centimètres d'intestin. *Bull. Soc. anat. Bordeaux*, 1900, 21: 158-61.—**Dzbanovsky, V.** [Diagnostic errors in volvulus]

Radianska med. 1939, 4: No. 1, 51. **Faltin, R.** Einiges zur Kenntnis der Darmknotten. Acta chir. scand., 1937-38, 80: 1-25. **Fedorov, D. N.** [Case of extensive excision of the intestine in volvulus during pregnancy] Nov. khir. arkh., 1940, 46: 160-2. **Filippini, G.** Condizioni anatomopatologiche e meccaniche nel determinismo del volvolo. Boll. Soc. ital. biol. sper., 1939, 14: 233. **Ricerche sperimentali sul valore della mesosigmoidite retrattile nel determinismo del volvolo.** Sperimentale, 1939, 93: 531-48. **Frankenthal, L.** Flexur-Volvulus und Trauma. Deut. med. Wschr., 1929, 55: 826. **Glasko, P. M.** [Case of extensive excision of the small and large intestines for volvulus of 4 days duration] Vest. khir., 1936, 44: 284. **Gridnev, A.** Beitrag zur Kenntnis des Darinvolvulus. Arch. klin. Chir., 1933, 174: 712-22. **Hawthorne, G. A.** Loose twist of the bowel. Vet. Pract., Evanston, 1941, 22: No. 4, 17. **Hipsley, P. L.** Deficient fixation with probable volvulus of the mid-gut loop in an infant. Med. J. Australia, 1935, 1: 463. **A case of malrotation of midgut loop with superimposed volvulus.** Ibid., 716. **laure, G. G.** [Mechanism of formation of intestinal knots] Vest. khir., 1938, 55: 35-9. **Ignorotov.** [Case of excision of the large intestine in volvulus] Sovet. khir., 1934, 6: 733. **Johnner, T.** Zur Kenntnis der Darmknotten. Schweiz. med. Wschr., 1940, 70: 1270-2. **Jonker, A.** [Case of volvulus in an infant] Ned. tscr. genesesk., 1926, 70: pt 2, 2404. **Keefe, J. W.** Volvulus of the large and small intestine with report of a case of volvulus of cecum, ascending colon and ileum. Am. J. Surg., 1932, 17: 345. **King, E. S. J.** Two uncommon forms of intestinal obstruction occurring consecutively: compound volvulus and retroposition of the transverse colon. Brit. J. Surg., 1936-37, 24: 817-21. **Kini, M. G., & Rao, D. V.** Volvulus as a cause of intestinal obstruction. Ind. M. Gaz., 1938, 73: 471-4. **Kornfeld, G., & Daichman, I.** Volvulus complicating pregnancy. Am. J. Obst., 1934, 27: 768-70. **Kunaratnam, I. T.** Notes on a case of volvulus complicating pregnancy. J. Ceylon Br. M. Ass., 1936, 33: 94. **Landivar, A. F., & Leoni Iparraguirre, C. A.** Obliteración del cabo eferente de un ano ilíaco consecutivo a sigmoidectomía por vólculo. Bol. Soc. cir. B. Aires, 1937, 21: 1164-73. **Laurent, P.** Mégacolon acquis secondaire à un défaut d'accolement total de gros intestin; volvulus sous-diaphragmatique; résection en 2 temps; résultats fonctionnel éloigné. Bull. Soc. chir. Paris, 1933, 25: 324-9. **Latarjet.** Occlusion intestinale chez un nouveau-né par torsion localisée du mésentère. Bull. Soc. obst. Paris, 1908, 11: 397-9. **Le Jentel & Eltrich.** Contribution à l'étude des volvulus du caecum et du colon ascendant. P. verb. Congr. fr. chir., 1925, 34: 789-93. **Leonard, E. D., & Derow, S.** Volvulus: a study of 22 cases. N. England J. M., 1938, 218: 388-90. **Liebe, S.** Ueber chronischen Volvulus. Mschr. Kinderh., 1934-35, 61: 436-8. **McClure, H. M.** Volvulus; torsion of the whole mesentery. J. Oklahoma M. Ass., 1935, 28: 100-1. **McWaters, R. C.** Spontaneous reduction in volvulus of the bowel. Lancet, Lond., 1929, 2: 496. **Makarenko, A. I.** [On intestinal knots] Khirurgia, Moskva, 1938, No. 9, 107-16. **Marbury, W. B., & Pickford, E. M.** Volvulus; a review with an illustrative case. Med. Ann. District of Columbia, 1934, 3: 7-11. **Martin du Pan, C.** Volvulus total de l'intestin chez un enfant. P. verb. Congr. fr. chir., 1931, 40: 438-40. **Meerovich, I. L.** [Volvulus of the cecum and ascending colon] Tr. Vost. sibir. med. inst., 1935, No. 3, 160-2. **Morzon, V.** [Case of volvulus with unusual post-operative period] Belaruss. med. mist., 1924-25, 2: No. 4-6, 105-7. **Neff, G.** Hernia mesenterico-parietalis dextra mit Volvulus. Schweiz. med. Wschr., 1937, 67: 645. **Niemeier, O. W.** Torsion of the whole mesentery in an infant; volvulus neonatorum. Canad. M. Ass. J., 1927, 17: 811. **Nørgaard, F.** Kronisk og intermitterende volvulus. Nord. med., 1941, 11: 2526-30. **Obstr., & Oberling, C.** Trois cas de volvulus par torsion du mésentère commun persistant. Rev. fr. pédiat., 1927, 3: 96-104. **Ogliobina, Z. V.** [Enterostomy in mechanical and dynamic volvulus] Vest. khir., 1936, 43: 38-48. **Pauchet, V., & Mornard, P.** Volvulus d'un dolicho-côlon iliaque. Bull. Soc. chir. Paris, 1928, 20: 53-9. Also Paris chir., 1928, 20: 30. **Paul, M.** Volvulus of the intestine with intertwining loops. Lancet, Lond., 1940, 2: 809. **Pérez Peniche, T. S.** Punción capilar del intestino en los casos de observación intestinal. Mem. Congr. méd. nac. mex., 1910, 4: Congr., 282. **Pick, J.** Ein Fall von Volvulus zwischen Dünndarm und Colon transversum. Anat. Anz., 1934, 40: 742-8. **Plaut, T.** Volvulus der Flexur bei Vater und Sohn (zugleich ein Beitrag zum Rasseproblem) Klin. Wschr., 1929, 8: 1177. **Titler, H. A.** Volvulus complicating pregnancy at the 8th month. Med. J. Australia, 1935, 1: 370. **Rohkind, I. M.** [Intestinal knots] Nov. khir. arkh., 1937, 38: 189-202. Also Vest. khir., 1938, 56: 495-502. **Rosenthal, M.** Beitrag zum Askaridenvolvulus. Zbl. Chir., 1927, 54: 1806. **Rowlands, R. P.** Volvulus on the intestine. Brit. M. J., 1929, 1: 287-9. **Serek-Hanssen, T.** [Case of retroposition of colon with volvulus of cecum] Med. rev., Bergen, 1926, 43: 557-67. **Sheinis, V. N.** [On intestinal knots] Vest. khir., 1939, 57: 621-8. **Sonoda, O. S.** Ueber einen Fall von Darmachsndrehung infolge des Darmdivertikels, und einen infolge der Divertikel-Entzündung. Gun idan zassi, 1934, No. 249, 5. **Sule, J.** [Two cases of volvulus] Latv. arstu Z., 1926, 363-78. **Terrone, G.** Caso di volvulo meccanico. Ann. clin. osp. incurab., Nap., 1840, 6: 241-6. **Vaughan, G. T.** A case of volvulus with torsion of the entire mesentery; operation; recovery. Tr. M. Soc. Virginia (1925)

1903, 95-7. Also Internat. J. Surg., 1903, 16: 14. **Waters, H. S.** Acute volvulus. Ind. M. Gaz., 1937, 72: 481. **Weinstein, M.** Volvulus of the cecum and ascending colon. Ann. Surg., 1938, 107: 248-59.

Volvulus—in animals.

CHARLENT, P. *Contribution à l'étude de la torsion du gros intestin chez le cheval; remarques sur l'étiologie et la pathogénie de cette affection [Alfort] 46p. 8° Par., 1928.

Case, R. A. Intestinal torsion in a cow. Vet. Med., Chic., 1940, 35: 524. **Dardillat, R.** Cas de coliques par torsion et sa réduction. Rec. méd. vét., 1922, 98: 565. **Reinhardt, H.** Ein Fall von echter Darmverschlingung (Volvulus intestini) beim Rind. Berl. tierärztl. Wschr., 1928, 44: 811. **Wall, R. F.** Torsion of the bowel in horses. Vet. Rec., Lond., 1931, 11: 105-13.

in animals.

LOHR, G. K. F. *Untersuchungen über die Darmlänge beim Kaninchen. 16p. 8° Frankf. a. M., 1934.

Alpers, F. Zur Kenntnis der Anatomie von Conus lividus Brug., besonders des Darmkanals (fauna et anatomia Ceylanica) Jena. Zschr. Naturwiss., 1930-31, 65: 587-658. **Berndt, O.** Morphologie und Histologie des Rumpfdarms von Anguilla fluviatilis und die Veränderungen desselben im Individualzyklus. Zool. Jahrb., Abt. Anat., 1938, 64: 437-82. **Bonfert, A.** Vergleichende Untersuchungen über die Homologie der Darmteile bei Nagetieren unter teilweiser Berücksichtigung der arteriellen Blutversorgung. Anat. Anz., 1928, 65: 369-98. **Caspers, H.** Ueber Nahrungserwerb und Darmverlauf bei Nucula. Zool. Anz., 1940, 129: 48-55. **Chatton, E.** Les membranes péritrophiques des drosophilides (diptères) et des daphnies (cladocères) leur genèse et leur rôle à l'égard des parasites intestinaux. Bull. Soc. zool. France, 1920, 45: 265-80. **Esch, H.** Eigentümliche Reliefbildungen der tiefen Wandschichten im Enddarm der Saurier; ihre Entstehung und Bedeutung. Anat. Anz., 1936, 82: 162-90. **Gelei, J.** Beiträge zur Morphologie, Physiologie und allgemeinen biologischen Bedeutung des Trieladdarmes. Zool. Jahrb., Abt. Anat., 1928, 50: 1-54. **Ginglinger, A.** Sur la hernie physiologique de l'intestin chez le porc. C. rend. Soc. biol., 1934, 116: 1413. **Grell, K. G.** Der Darmtraktus von Panorpa communis L. und seine Anhänge bei Larve und Imago (ein Beitrag zur Anatomie und Histologie der Mecopteren) Zool. Jahrb., Abt. Anat., 1938, 64: 1-86. **Henking, H.** Darstellung des Darmkanals von Hirudo. In Festsch. z. 70. Geburtstag Rudolf Leuckart, Lpz., 1892, 319-27, pl. **Jacobshagen, E.** Zur Kenntnis und Charakterisierung des Rumpfdarmbaues der Lungenfische. Morph. Jahrb., 1929, 63: 292-313. **Zur Kenntnis der Mitteldarms bei den Myxinoideen.** Ibid., 1932, 70: 531-47. **Hauptergebnisse vergleichend-anatomischer Rumpfdarmuntersuchungen bei ichtyopsiden Ananiniern.** Verh. Anat. Ges., 1934, 42: 156-65. **Kolda, J.** Zur Topographie des Darmes beim Schaf und bei der Ziege. Zschr. ges. Anat., 1. Abt., 1931, 95: 243-69. **Pilz, H.** Artmerkmale am Darmkanal des Hausgäufels (Gans, Ente, Huhn, Taube) Morph. Jahrb., 1937, 79: 275-304. **Schacht, H.** Ueber den Vorderdarm der Cyprinodonten. Zschr. mikr. anat. Forsch., 1931, 26: 534-46. **Strasburger, M.** Bau, Funktion und Variabilität des Darmtractus von Drosophila melanogaster Meigen. Zschr. wiss. Zool., 1931-32, 140: 539-649, pl. **Tchang-Yung-Tai.** La structure du tube digestif et les renouvellements successifs de l'épithélium de l'intestin moyen chez les chenilles d'Achroa (ou Achroa) grisella F. C. rend. Soc. biol., 1928, 98: 580-2. **Tirelli, M.** Nuove osservazioni sulla morfologia e sul meccanismo funzionale dei vasi di Malpighi in Cloëon dipterum. Riv. biol., 1935, 18: 1-11, 2 pl. **Törö, I.** [Structure of the crocodile's intestines] Magy. orv. arch., 1929, 30: 231-43. **Urban, E.** Das Darmsystem von Pomatias striolatus Porro, einem landbewohnenden Prosobranchier. Jena. Zschr. Naturwiss., 1932, 66: 323-92. **Vialli, M.** Ricerche sull'intestino dei rettili. Arch. ital. anat., 1929, 26: 454-92, pl.

INTESTINE, small.

See also Duodenum; Ileum; Intestine; Jejunum.

Cho, D. Histological investigation of the digestive tracts of human fetus; development of small intestines. Jap. J. Obst., 1931, 14: 324-30. **Cole, L. G.** The small intestine. Tr. Am. Gastroenter. Ass., 1933, 36, meet., 340-50. **Pendergrass, E. P.** The small intestine. J. Am. M. Ass., 1936, 107: 1859-61.

Abnormity.

POIGNANT, J. *L'anse ombilicale; étude anatomo-clinique. 73p. 8° Lyon, 1936.

SILL, F. *Ein Fall von angeborenem Dünndarmkonvolut [Erlangen] 19p. 8° Radiumbad Brambach, 1936.

Baiocchi, P. Volvulo totale congenito del tenue in un neonato. *Fol. med., Nap.*, 1939, 25: 542-6, 3 pl.—Curson, H. H. On 2 anomalies arising from the embryonic small intestine. *Onderstepoort J. Vet. Sc.*, 1934, 3: 241-3.—Drechsel, J. Mesenterium commune mit Lageanomalie des Dünndarms und normaler Lage des Kolons (Hernia mesenterico-parietalis dextra) *Zschr. ges. Anat.*, 1. Abt., 1929-30, 91: 644-56.—Golden, R. Abnormalities of the small intestine in nutritional disturbances; some observations on their physiologic basis. *Radiology*, 1941, 36: 262-86.—Gonnet & Desjacques. Volvulus de l'intestin grêle chez un nouveau-né. *Bull. Soc. obst. gyn. Paris*, 1928, 17: 87.—Gonnet & Pouzet. Volvulus partiel du grêle d'origine foetale chez un nouveau-né. *Lyon méd.*, 1934, 154: 91.—Ladd, W. A. Anomalies of the small intestine. In *Textb. Surg.* (Christopher, F.) 3. ed., Phila., 1942, 1159-65.—Laffont & Jahier. Malformation de l'intestin grêle. *Bull. Soc. obst. gyn. Paris*, 1926, 15: 478.—Lust, M., & Bourg, R. La sténose aiguë du duodénum par involution total du grêle et du colon ascendant chez le nouveau-né. *Bruxelles méd.*, 1928-29, 9: 219-24.—McGregor, J., & Rothenberg, M. Congenital absence of portion of the small intestine. *Northwest M.*, 1938, 37: 134-6.—Montgomery, A. H. Clinical conditions associated with congenital anomalies of the small intestine. *Wisconsin M. J.*, 1935, 34: 826-31.—Nordland, M. Congenital shortening of the small bowel with an anomaly of rotation. *Minnesota M.*, 1939, 22: 567.—Ribas Ribas, E. Intestinal obstruction from congenital deformity of the small intestine. *Am. J. Surg.*, 1931, n. ser., 14: 215-24.—Tedesco, C. Contributo allo studio delle malformazioni congenite dell'intestino tenue. *Lattante*, 1939, 10: 55-62, pl.—Trillat, P., & Boulez, J. Volvulus du grêle avec rupture spontanée de l'intestin chez un nouveau-né. *Bull. Soc. obst. gyn. Paris*, 1933, 22: 183-6.

Abnornity: Occlusion.

BIERMANN, R. *Ein Beitrag zur Casuistik der angeborenen Occlusionen des Dünndarms. 32p. 8° Würzb., 1926.

JUN, M. *Ueber einen Fall von angeborenem Dünndarmschluss. 10p. 8° Heidelb., 1933.

KABISCH [G. F.] A. *Ein kasuistischer Beitrag zur Frage der kongenitalen Dünndarmatresie. 31p. 8° Berl., 1927.

LAESSING [E.] F. *Ueber die Ursachen der angeborenen Dünndarmatresie an Hand einer eigenen Beobachtung [Tübingen] 11p. 8° Stuttg., 1932.

Also Arch. Kinderh., 1932, 97:

PATRY, R. *Atrésie congénitale de l'intestin grêle (3 cas personnels) contribution à l'étude du méconium [Genève] 28p. 8° Par., 1925.

Also Ann. anat. path., Par., 1926, 3: 455-70.

Birgfeld, E. Zur kongenitalen Dünndarmatresie. *Zbl. Chir.*, 1928, 55: 1548-53.—Bodon, G. Ein Fall von fetalen Dünndarmverschluss mit Beiträgen zur Histologie und Histogenese. *Virchows Arch.*, 1930, 278: 529-38.—Bromeis, H. Ueber angeborenen Dünndarmverschluss. *Zbl. Chir.*, 1935, 62: 1768-73.—Brückner. Ein Fall von multipler Dünndarmatresie beim Neugeborenen. *Arch. Gyn.*, 1934, 157: 84.—Clark, S. Congenital occlusion of the small intestine; case report. *Long Island M. J.*, 1928, 22: 157-9.—Edelmann, J. A. Operativ behandelte Undurchgängigkeit des Dünndarms bei einem Neugeborenen. *Jahrb. Kinderh.*, 1928, 3. F., 69: 222-6.—Hahn, O. Wie müssen wir uns die Entstehung der kongenitalen Dünndarmatresien und -stenosen vorstellen? *Beitr. klin. Chir.*, 1928, 142: 252-64.—Ladd, W. E. Congenital obstruction of the small intestine. *J. Am. M. Ass.*, 1933, 101: 1453-8.—Millen, R. M. Congenital atresia of the small intestine. *Brit. M. J.*, 1936, 2: 124.—Naegeli, T. Kongenitale Dünndarmatresie. *Zschr. Geburtsh. Gyn.*, 1927, 91: 635-8.—Pasley, C. B. Congenital occlusion of the small intestine. *Brit. M. J.*, 1929, 2: 1056.—Pawlowski, E. Ueber multiple kongenitale Dünndarmatresien. *Zschr. Kinderh.*, 1930-31, 50: 665-71.—Polson, C. A case of congenital atresia of the small intestine. *Brit. J. Surg.*, 1930, 18: 333.—Pouzet, F. Atrésie segmentaire complète de l'intestin grêle chez un nouveau-né. *Lyon méd.*, 1934, 154: 68-70.—Ribas Ribas, E. Obstrucción intestinal por deformidad congénita del intestino delgado. *Am. J. Surg.*, 1931, n. ser., 14: 225-8.—Rotter, J. W. N. Durch Operation geheilter kongenitaler Dünndarmverschluss. *Deut. Zschr. Chir.*, 1929, 219: 339-45.—Shea, B. Congenital occlusion of the small intestine. *Brit. M. J.*, 1927, 2: 549.—Wikle, H. T. Congenital obstruction of the small intestine. *Am. J. Surg.*, 1941, 51: 429-31.—Woolsey, J. H. Congenital occlusion of the small intestine. *California West. M.*, 1937, 46: 20-3.

Absorption.

BAUER, O. *Ueber die Konzentrationsänderung zweier gleichzeitig dargebotener Salze bei der Resorption im Dünndarm. 16p. 8° Lpz., 1935.

GÜNZEL, H. [W.] *Ueber die Resorption von Lösungen im Dünndarm, die gleichzeitig Kaliumchlorid und ein Erdalkalichlorid enthalten. 16p. 23cm. Lpz., 1937.

HEINEMANN [E. O.] W. *Ueber die Resorption der Lösungen von Natrium- und Kaliumsulfat und Kaliumchlorid im Dünndarm. 19p. 8° Lpz., 1937.

KALEFF, A. *Wie resorbiert der Dünndarm Lösungen von Bromnatrium allein und in Kombination mit Chlornatrium? 27p. 23½cm. [Lpz., 1936]

LANG, G. *Ueber die Resorption von Alkalichloridlösungen im Dünndarm. 23p. 23cm. Lpz., 1936.

ROTHE [M.] H. *Untersuchungen über die Resorption von Lösungen im Dünndarm, die gleichzeitig Zucker und Kochsalz enthalten [Leipzig] 23p. 8° Lengerich, 1936.

STIEBERT [A.] J. *Ueber die Resorption der Chloride und Bromide des Magnesiums und Calciums im Dünndarm. 20p. 23cm. Lpz., 1937.

TEICHMANN, K. *Ueber die Resorption von binären Gemischen aus Harnstoff mit Kochsalz, Magnesiumsulfat und Traubenzucker in hypotonischen Lösungen durch den Dünndarm des Hundes [Leipzig] 20p. 21cm. Lengerich, 1936.

Abbott, W. O., Karr, W. G., & Miller, T. G. Intubation studies of the human small intestine; factors concerned in absorption of glucose from the jejunum and ileum. *Tr. Am. Gastroenter. Ass.*, 1937, 40. meet., 96-106.—Andrews, J. C., Johnston, C. G., & Andrews, K. C. The absorption of cystine, methionine and cysteine acid from intestinal loops of dogs. *Am. J. Physiol.*, 1936, 115: 188-93.—Borchardt, W. Studien über die Einwirkung der Zirkulation und des extramuralen autonomen Nervensystems auf die Dünndarmresorption; nach Versuchen an Hunden mit Vellafistel. *Arch. ges. Physiol.*, 1928, 219: 213-26.—Danby, M. Ueber Fettresorption und Histio-retikulärsystem im Dünndarm. *Zschr. mikr. anat. Forsch.*, 1934, 36: 23-40.—Davidson, J. N., & Garry, R. C. The absorption of pentoses from the small intestine of the rat under urethane anaesthesia. *J. Physiol., Lond.*, 1941, 99: 239.—Frölicher, E. Die Resorption von Gallensäuren aus verschiedenen Dünndarmabschnitten. *Biochem. Zschr.*, 1935-36, 283: 273-9.—Groen, J., & Taylor, F. H. L. Absorption of iron compounds from the upper part of the small intestine. *Proc. Soc. Exp. Biol., N. Y.*, 1937, 36: 694.—Hamar, N. Wirkung des Hungers und des Darminhaltes auf die Glucoseresorption des Dünndarms normaler und epinephrektomierter Ratten. *Arch. ges. Physiol.*, 1940-41, 244: 157-63. — Ueber Tagesschwankungen des Glucoseresorptionsvermögens des Dünndarms. *Ibid.*, 164-70.—Höber, R., & Höber, J. Experiments on the absorption of organic solutes in the small intestine of rats. *J. Cellul. Physiol.*, 1937, 10: 401-22.—Macklin, C. C., & Macklin, M. T. Is the Mingazzini phenomenon, in the villus of the small intestine, an evidence of absorption? *J. Anat., Lond.*, 1926-27, 61: 144-50, pl.—Mahler, P., & Nonnenbruch, W. Die Fettresorption im gereizten Darm. *Zschr. ges. exp. Med.*, 1932-33, 85: 112-4.—Nicholson, J. T. L., & Chornock, F. W. Intubation studies of the human small intestine; an improved technic for the study of absorption; its application to ascorbic acid. *J. Clin. Invest.*, 1942, 21: 505-9.—Nicolai, H. Quantitative Resorptionsversuche mit reinen Darmgiften; Phenol-Resorption im Dünndarm der gesunden Ratte. *Klin. Wschr.*, 1939, 18: 123-5.—Norberg, B. Zur Resorption von Elektrolyten im Dünndarm. *Arch. ges. Physiol.*, 1934, 234: 200-3.—Northup, D. W., & Van Liere, E. J. The effect of anoxia on the absorption of glucose and of glycine from the small intestine. *Am. J. Physiol.*, 1941, 134: 288-91.—Peters, H. C. Absorption from the small intestine. *Memphis, M. J.*, 1941, 16: 14-6.—Riegel, C., Elsom, K. O'S., & Ravdin, I. S. The influence of sodium taurocholate, hepatic bile and gall-bladder bile upon the absorption of oleic acid from the small intestine. *Am. J. Physiol.*, 1935, 112: 669-72.—Visscher, M. B. The absorption of chloride from the small intestine against steep diffusion gradients and physico-chemical factors involved in the mechanism. *Proc. Internat. Physiol. Congr.* (1935) 1938, 15. Congr., 147. — & Ingraham, R. C. The movement of univalent cations against concentration gradients from small intestine to the blood in the presence of polyvalent ions. *Am. J. Physiol.*, 1936, 116: 157.—Well, P. B. van. Beiträge zur Histophysiologie des Dünndarms; die Veränderungen in den Darmdrüsenzellen während der Verdauung und in den Resorptionszellen während der Fettresorption. *Zschr. Zellforsch.*, 1939, 29: 750-71.—Wright, S. Absorption from the small intestine. *Middlesex Hosp. J.*, 1937, 37: 72-5.

Adhesion.

See also Peritonitis; Perivisceritis.

Brokschmidt, W. Reiskornartige Füllungsrest und bandförmige Aussparungen als Zeichen von Verwachsungen des Dünndarms. Röntgenpraxis, 1940, 12: 328-31.—**Courty, L., & Delcours, J.** Péritonite plastique adhésive; localisée à un segment d'intestin grêle, antérieurement distendu au cours d'une occlusion par bride. J. sc. méd. Lille, 1928, 46: pt 2, 297-301.—**Desjacques.** Occlusion intestinale aiguë par adhérence d'une anse grêle au niveau d'un drainage sus-pubien pratiqué pour ulcère perforé du duodénum. Lyon chir., 1933, 30: 64-70.—**Fiolle, J., & Hayem, L.** Occlusion intestinale par adhérence du grêle au moignon appendiculaire non enfoui. Bull. Soc. nat. chir., Par., 1928, 54: 813-6.—**Füth, R.** Die angeborene Einkapselung des Dünndarms; ein Beitrag zur Aetiologie des Zuckergussdarmes. Münch. med. Wschr., 1927, 74: 319-22.—**Goullioud, M.** Anastomose ou large exérèse dans les occlusions post-opératoires par adhérences, en paquet, de l'intestin grêle. Lyon chir., 1932, 29: 693-701.—**Moiroud, P.** Péritonite chronique adhésive et occlusion aiguë du grêle; anastomose iléo-transverse; guérison. Bull. Soc. nat. chir., Par., 1924, 50: 696.—**Noble, T. B., jr.** Plication of small intestine as prophylaxis against adhesions. Am. J. Surg., 1937, 35: 41-4.—**Okiniecz.** Péritonite chronique adhésive et occlusion aiguë du grêle; anastomose iléo-transverse; guérison. Paris chir., 1924, 16: 302.—**Schnoebelen, P. C., & Meyer, H. M.** Roentgen ray in acute intestinal obstruction; a study of obstruction of the small intestine by bands and adhesions. J. Missouri M. Ass., 1936, 33: 174-9.—**Soper, H. W., & Thompson, J. W.** Roentgen evidence of adhesions of the small intestine. Tr. Am. Gastroenter. Ass., 1930, 33: 59-66. Also Am. J. Surg., 1930, n. ser., 10: 243-50.—**Adhesions of the duodenum and jejunum.** In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 5: 217-20.—**Steindl** [Translaasio intestini tenuis supragastrica] Wien. klin. Wschr., 1920, 33: 327.

Angioma.

SoÑe, M. A. *Contribution à l'étude des angiomes de l'intestin grêle. 80p. 8° Par., 1926.—**Carbonell Salazar, A.** Dos casos de angiomas del intestino delgado. Bol. Soc. cubana pediat., 1939, 11: 237-44.—**Charton & Limousin.** Occlusion intestinale chez un cheval par invagination de l'intestin grêle consécutive à une tumeur angiomateuse. Rev. vét. mil., Par., 1926, 10: 197-9.—**Kamniker, K.** Beitrag zu den retroperitonealen Lymphangiomen des Dünndarms. Zbl. Chir., 1938, 65: 464-7.—**Klein, F.** Ueber ein kavernöses Hämangiom des Dünndarms. Zbl. allg. Path., 1935-36, 64: 292-5.—[Case of solitary hemangioma of the small intestine] Cas. lék. česk., 1936, 75: 275.—**Kuhle, J.** Ein solitäres Hämangiom des Dünndarms; gleichzeitig eine Betrachtung über die Entstehung der Hämangiome. Virchows Arch., 1932-33, 287: 527-37.—**Pliverić, V.** Cystisches Lymphangiom des Dünndarms. Deut. Zschr. Chir., 1938, 250: 736-41.

Bacteriology.

GUTSCHER, H. H. *Ueber die experimentelle Coli-Azenderenz im Dünndarm des Meerschweinchen [Zürich] 12p. 8° Jena, 1932.—**RADEL, F. W.** *Sind in der Dünndarmschleimhaut Bakterienwachstum hemmende Stoffe nachweisbar? [Göttingen] 15p. 8° [Lpz.] 1925.—Also Zschr. ges. exp. Med., 1925-26, 48: 658-70.—**SPÖRRI, R.** *Untersuchungen über die Wirkung anaerob und aerob Bacterien auf den überlebenden Kaninchen-Dünndarm [Zürich] 80p. 8° Luzern, 1934.—**WERNER, W.** *Selbstversuche über die An siedelung von Keimen im Dünndarm. 20p. 8° Würzb., 1927.—**Arnold, L.** Influence of food upon the bacterial flora of the small intestine. Am. J. Pub. Health, 1927, 17: 918-21.—Ueber keimhemmende Kräfte im Dünndarm. Klin. Wschr., 1927, 6: 607-9.—Autoregulation of the bacterial flora of the small intestine. Proc. Inst. M. Chicago, 1930, 8: 67.—**Cirincione, F. A., & Francona, A.** Influence of vascular impairment on absorption of bacteria into blood from upper intestinal tract. Proc. Soc. Exp. Biol., N. Y., 1931-32, 29: 400.—**Dimtza, A.** Keimarmut im Dünndarm und Bakteriophage (experimentelle Untersuchungen an Kaninchen und an Meerschweinchen) Schweiz. med. Wschr., 1926, 56: 1183-7.

Blood supply.

See also Mesentery.

LANG, F. *Die Arterien des Dünndarmes mit besonderer Berücksichtigung der Vasa recta. 50p. 8° Zür., 1927.—**Beaton, L. E., & Anson, B. J.** The arterial supply of the small intestine. Q. Bull. Northwest. Univ. M. School, 1942,

16: 114-22.—**Charrin & Monier-Vinard.** Influence des ligatures mésentériques sur l'intestin grêle et le développement de l'organisme. C. rend. Soc. biol., 1907, 62: 229-31.—**Dieulafoy, R.** Contribution à l'étude de l'irrigation de l'intestin grêle; conséquences de la ligature expérimentale des vaisseaux mésentériques. Arch. anat., Strasb., 1936-37, 21: 97-108.—**Lazarus, J. A.** Mesenteric vascular occlusion; report of a case of complete occlusion of superior mesenteric artery with involvement of entire small intestine. Am. J. Surg., 1936, 33: 129-34.—**Noer, R. J.** Circulation of the small intestine; a comparison of man with laboratory animals. Ann. Surg., 1941, 114: 156.—**Manning, J. E.** A comparative study of the small intestinal circulation. Tr. West. Surg. Ass. (1941) 1942, 51: 272-91.—**Wolf-Heidegger, G.** Der intramurale Verlauf der Dünndarmgefäße; ein Beitrag zur funktionellen Struktur der Darmwand. Gastroenterologia, Bascl, 1941-42, 66: 249-87.

Calculus.

See also Biliary calculus.

Barth, H. Ueber die Bildung echter Dünndarmsteine. Virchows Arch., 1928, 267: 716-25.—**Blix, G.** A contribution to the chemistry of the primary calculi of the small intestine. Acta chir. scand., 1935, 76: 25-34.—**Downing, W.** Obstruction and perforation of small intestine due to a coprolith. J. Am. M. Ass., 1926, 86: 550.—**Eberman, A. A.** [Obstruction of the small intestines by gall stones] Vest. khir., 1926, 5: pt 13, 108-12.—**Edwards, G. H.** Enteroliths of the small intestine. J. Florida M. Ass., 1930-31, 17: 463-6.—**Eiber, S. M.** [Obturation of the small intestine caused by biliary calculus] Sovet. med., 1940, No. 11, 26.—**Hathcock, A. L.** Report of a case of acute obstruction of the small intestine due to an enterolith. Med. Rec., Houston, 1926, 20: 276.—**Ho Duc Di.** Occlusion de l'intestin grêle par un calcul non biliaire de nature oxalo-phosphatique; enterolithe. Bull. Soc. nat. chir., Par., 1935, 61: 832-5.—**McWhorter, G. L.** Acute obstruction of the small intestine due to gallstone; recovery following operation. Arch. Surg., 1929, 19: 915-21.—**Morris, R. J.** Faecal enterolith of the small intestine. Lancet, Lond., 1925, 2: 751.—**Scully, F. J., & Stell, J. S.** Obstruction of the small intestine by enterolith; recovery following removal. South. M. J., 1937, 30: 93.

Cancer.

CHAURAND, A. *Le cancer secondaire de l'intestin grêle à rétrécissements multiples. 41p. 8° Lyon, 1935.—**HEER, F.** *Zwei Fälle von malignen kleinen Dünndarmcarcinomen. 15p. 8° Zür., 1925.—**Ackman, F. D.** Carcinoma of the small intestine. Canad. M. Ass. J., 1935, 32: 634-9.—**Appelmann, R., & Picard, E.** Le cancer de l'intestin grêle. Rev. belge sc. méd., 1931, 3: 769-76. Also Rev. méd., Louvain, 1931, 168-76.—**Baldwin, J. F.** Four synchronous cancers of the small intestine; a case report. N. England J. M., 1934, 210: 259.—**Bargen, J. A.** Carcinoma of the small bowel. Med. Clin. N. America, 1928-29, 12: 1573-5.—**Bloom, A. R.** Lesions of the small bowel. Am. J. Cancer, 1933, 18: 296-317.—**Bogri, S. M.** [Cases of cancer of the small intestine] Nov. khir. arkh., 1940, 46: 365-7.—**Boudet & Rimbaud, P.** Lymphocytome malin de l'intestin grêle. Arch. Soc. sc. méd. biol. Montpellier, 1928, 9: 68-73.—**Bowers, J. M., & Mullen, B. P.** Carcinoma of the small bowel, with case reports. Northwest M., 1936, 35: 380-5.—**Brun.** Quelques réflexions sur les tumeurs malignes primitives de l'intestin grêle d'après quatre observations récentes. Tunis. méd., 1930, 24: 173-7.—**Cameron, A. L.** Primary malignancy of the jejunum and ileum. Tr. West. Surg. Ass., 1937, 47: 50-89 [Discussion] 90-106.—**Carro, S.** Cáncer del intestino delgado. Progr. clin. Madr., 1932, 40: 7-9.—**Casini, A.** Su di un caso di carcinoma del tenue diffuso alla parete addominale. Policlinico, 1938, 45: sez. chir., 221-33.—**Chamberlin, D. T.** Malignant tumors of the small intestine. Surg. Clin. N. America, 1938, 18: 705-21.—**Choy, P. D.** Carcinoma of small intestine. J. Severance Union M. Coll., 1935, 3: 1-30.—**Conklin, S. D., & Sornberger, C. F.** Primary carcinoma of the small intestine; review and case report. Guthrie Chir. Bull., 1940-41, 10: 159-63.—**Crousse, R.** Des tumeurs malignes primitives de l'intestin grêle. Ann. Inst. chir. Bruxelles, 1934, 35: 117-30.—**Delagenière, Y., & Beauchef, P.** Tumeur primitive de l'intestin grêle. Bull. Ass. fr. cancer, 1928, 17: 453-7.—**Doub, H. P., & Jones, H. C.** Primary malignant tumors of the small intestines. Radiology, 1936, 26: 209-20.—**Evoian, S. G.** [Problem of primary cancer of the small intestine] J. teor. prakt. med., 1923, 1: 39; 293.—**Fredet, P.** Epithélioma sténosant de l'intestin grêle; résection du segment intestinal; guérison vérifiée au bout de sept ans; mode d'élimination des sutures. Bull. Soc. nat. chir., Par., 1928, 54: 920-3.—**Freund, E., & Kaminer, G.** Ueber den Befund spezifischer Darm-Flora bei bösartigen Tumoren; vorläufige Mitteilung. Wien. klin. Wschr., 1930, 43: 993.—**Geisthövel, W.** Der Krebs des freien Dünndarmabschnitts. Beitr. klin. Chir., 1940-41, 171: 161-75.—**Fiardina, S. G.** Peritelioma dell'intestino tenue incarceration in un sacco d'ernia inguinale (osservazioni cliniche ed anatomopatologiche) Riforma med., 1927, 43: 437-40.—**Gilman, P. K.** Malignant disease of the small intestine; delayed anastomosis following resection in chronic obstruction. West. J. Surg., 1938, 46: 269-75.—**Goebel.** Adenocarcinoma jejuni. Zbl. Chir., 1935,

62: 2915.—**Goldberg, S. A.** Carcinoma of the small intestines. J. M. Soc. N. Jersey, 1933, 30: 828-31.—**Gotten, H. B.** Malignant tumors of the small intestine (a report of 8 cases). Memphis Med. J., 1931, 8: 37-40.—**Hatcher, A. R., & Voldeng, K. E.** Carcinoma of the small intestine as a hidden cause of anemia. Am. J. Digest. Dis., 1937-38, 4: 507-12.—**Hejduk, B.** Zwei interessante Fälle von akutem Darmverschluss bei Karzinom des Dünndarms. Zbl. Chir., 1937, 64: 295-301.—**Hohenner, K.** Beitrag zur Frühdiagnose des Dünndarmkarzinoms. Röntgenpraxis, 1934, 6: 677-9.—**Horsley, J. S.** Carcinoma of the jejunum and of the ileum. J. Am. M. Ass., 1941, 117: 2119-23.—**Hull, H. C.** Primary carcinoma of the small intestine; report of two cases. Bull. School M. Univ. Maryland, 1935-36, 20: 114-9.—**Knirsch, E.** Ueber einen Fall von Dünndarmkarzinom mit chronischer Invagination. Wien. klin. Wschr., 1936, 49: 1313.—Fall von primärem Dünndarmkarzinom mit chronischer Invagination. Zbl. Chir., 1936, 63: 874-80.—**Langemann, W.** Klinisches Bild der Aleukie durch Knochenmarksmetastasen bei Dünndarmcarcinom. Zschr. klin. Med., 1933-34, 126: 161-5.—**Lingley, J. R.** Non-obstructing malignant tumors of the small bowel; a report of 5 cases. Am. J. Roentg., 1936, 36: 902-9.—**Lundberg, H.** Tumfartniscancer. Nord. med., 1941, 9: 618.—**McCann, J. C.** Secondary anemia associated with malignancy of the small intestine; report of a case. Proc. Mayo Clin., 1929, 4: 172.—**Manzini, C.** L'adenocarcinoma del digiuno-ileo. Arch. pat., Bologna, 1936-37, 16: 349-79.—**Mayo, C. W.** Malignancy of the small intestine. West. J. Surg., 1940, 48: 403-7.—**Medinger, F. G.** Malignant tumors of the small intestine; a study of their incidence and diagnostic characteristics. Surg. Gyn. Obst., 1939, 69: 299-305.—**Millar, G.** Case of carcinoma of the small intestine. Tr. R. Med. Chir. Soc. Glasgow, 1928-29, 23: 110-3. Also Glasgow M. J., 1929, 111: 279-82.—**Neuman, M.** Un cas de cancer du grêle. J. Chir. Brux., 1928, 27: 186-8.—**Neuman, M.** Un cas de cancer du grêle. Arch. mal. app. digest., Par., 1932, 22: 914.—**Nickerson, D. A., & Williams, R. H.** Malignant tumors of the small intestine. Am. J. Path., 1937, 13: 53-64.—**Nothoven van Goor, J. M.** Cancer de l'intestin grêle. Arch. mal. app. digest., Par., 1938, 28: 820-9.—**North, J. P.** Malignant tumors of the small intestine. Surg. Clin. N. America, 1931, 11: 1485-91.—**Possati, A.** Aspetti iconografici per la diagnosi radiologica differenziale fra carcinoma e linfosarcoma del tenue (quattro casi di carcinoma, due di linfosarcoma del tenue). Riv. radiol., 1930, 2, suppl. 2: 125.—**Pow, D. L.** Intestinal obstruction caused by ring carcinoma of small intestine. Brit. M. J., 1935, 1: 925.—**Pybus, F. C.** Carcinoma of the small intestine. In Durham Mus. Cat., 1928, 240.—**Rankin, F. W., & Mayo, C. D.** Carcinoma of the small bowel. Surg. Gyn. Obst., 1930, 50: 939-47.—**Rowe, E. W., & Neely, J. M.** Primary malignancy of the small intestine. Radiology, 1937, 28: 325-38.—**Schlachetzki, H.** Zum Krankheitsbild des Dünndarmkrebses. Beitr. klin. Chir., 1931, 154: 156-8.—**Schmitt, K.** Ueber klinische und röntgenologische Schwierigkeiten bei der Erkennung von hochsitzenen Dünndarmkarzinomen. Münch. med. Wschr., 1941, 88: 556-9.—**Schultz, W.** Ein Dünndarmcarcinom von hoher Gewebseife. Virchows Arch., 1937, 300: 456-65.—**Soper, H. W.** Carcinoma and other lesions of the small intestine. J. Am. M. Ass., 1929, 92: 286-91.—**Sowles, H. K.** Carcinoma of the small intestine. Tr. N. England Surg. Soc., 1933, 16: 46-58. Also N. England J. M., 1934, 210: 942-6.—**Stewart, H. L., & Lorenz, E.** Histogenesis of experimental adenocarcinoma of the small intestine in mice. Am. J. Path., 1941, 17: 623.—**Sussli, L.** Contributo alla conoscenza e alla cura chirurgica del carcinoma dell'intestino tenue. Policlinico, 1932, 39: sez. chir., 405-12.—**Swenson, P. C.** X-ray diagnosis of the primary malignant tumors of the small intestine. Rev. Gastroenter., 1943, 10: 77-91.—**Tomassini, I.** Considerazioni cliniche sul carcinoma del tenue. Clinica, Bologna, 1935, 1: 780-8.—**Westfall, G. A.** Carcinoma of the small intestine. In Cancer (Kansas M. Soc.) 1940, 16-8. Also J. Kansas M. Soc., 1940, 41: 205-7.—**Wheeler, W. I. de C.** Carcinoma of the small intestine. Brit. J. Surg., 1937-38, 25: 753-6.—**Williams, O. H., Williams, W. R., & Mole, R. H.** Two cases of carcinoma of the small intestine. Ibid., 1931, 19: 149-52.—**Windholz, F.** Zur Kenntnis der kleinen Karzinome des Dünndarms. Frankf. Zschr. Path., 1927, 35: 422-7.—**Withers, R. J. W.** Carcinoma of the small intestine with report of a case. Ulster M. J., 1938, 7: 250-4, 4 pl.—**Witkowski, C., & Metzger.** Beitrag zur Stenose im oberen Dünndarmabschnitt. Röntgenpraxis, 1930, 2: 1042-5.—**Wood, R. H., & Pena, S. S.** Tumors of the small intestine; report of a case of adenocarcinoma. Virginia M. Month., 1927-38, 54: 292-8.

Carcinoid.

GIERLICH, J. *Ueber die Dünndarmcarcinoid und ihre Neigung zur Metastasenbildung. 52p. 8° Bonn, 1933.

SAUERLÄNDER, H. *Ueber die sogenannten Karcinoid des Dünndarms und der Appendix. 32p. 8° Bonn, 1935.

Aalkjaer, V. Un cas atypique de tumeurs argentaffines primitives multiples de l'intestin grêle. Lyon chir., 1937, 34: 542-52.—**Ariel, I. M.** Argentaffin, carcinoid, tumors of the small intestine; report of eleven cases and review of the literature. Arch. Path., Chic., 1939, 27: 25-52.—**Bretschger, E.** Klinik und Prognose der Appendix- und Dünndarmcarcinoid.

Deut. Zschr. Chir., 1937, 249: 297-310.—**Carr, J. L.** Argentaffin tumors of the small bowel with report of 2 which caused intestinal obstruction. Am. J. Surg., 1931, n. ser., 13: 56-9.—**Cooke, H. H.** Carcinoid tumors of the small intestine. Arch. Surg., 1931, 22: 568-97.—**Dahl, B.** [Carcinoids of small intestine and appendix] Norsk mag. lægevid., 1929, 90: 233-48.—**Decker, P.** Un cas de carcinoid multiple de l'intestin grêle et du péritoine. Rev. méd. Suisse rom., 1926, 46: 292-7.—**Ewell, G. H., & Jackson, R. H.** [Carcinoid tumors of the small intestine; with case report (multiple benign embryonal carcinoid tumors) Wisconsin M. J., 1931, 30: 737-40.—**Gierlich, J.** Ueber die Dünndarmcarcinoid. Frankf. Zschr. Path., 1935, 48: 202-8.—**Heine, J.** Karzinoid des Dünndarms als Ursache eines Darmverschlusses. Deut. Zschr. Chir., 1927, 205: 126-9.—**Hughuier, A.** Navi-épithéliome à cellules argentaffines de l'intestin grêle. Paris chir., 1927, 19: 38.—**Humphreys, E. M.** Carcinoid tumors of the small intestine: a report of 3 cases with metastases. Am. J. Cancer, 1934, 22: 765-75.—**Knauer, B.** Ueber einen Fall von malignem psammomem Darmcarcinoid. Frankf. Zschr. Path., 1935-36, 49: 102-7.—**Kross, I.** Carcinoid tumors of the small intestine. Am. J. Digest. Dis., 1939, 6: 725-7.—**McGlannan, A., & McCleary, S.** Carcinoid tumors of the small intestine; report of a case complicated by intussusception in an adult. J. Am. M. Ass., 1927, 89: 850-2.—**Marangos, G. N.** Zur Kenntnis der Dünndarmcarcinoid. Beitr. path. Anat., 1931, 86: 48-64.—**Miller, E. R., & Herrmann, W. W.** Argentaffin tumors of the small bowel; a roentgen sign of malignant change. Radiology, 1942, 39: 214-20.—**Pack, G. T., & Davis, A. H.** Carcinoid tumors of the small intestines. Am. J. Surg., 1930, n. ser., 9: 472-7.—**Richie, G.** Argentaffin tumors of the small intestine; a report of 4 cases, 1 with metastases. Arch. Path., Chic., 1930, 10: 853-8.—**Rodríguez Villegas, R., & Schena, A. T.** Carcinoid multiple de intestino delgado. Sem. méd., B. Air., 1940, 47: pt. 1, 425-32.—**Schlossberg, R.** Carcinoid maligno del intestino delgado. Rev. med., B. Air., 1939, 1: 58-63.—**Selberg, Ueber Dünndarmcarcinoid. Klin. Wschr., 1939, 18: 1168.—Semsroth, K.** The histogenic interpretation of certain carcinoids of the small intestines; a neoplasm-like malformation of the tissue of the pancreas. Arch. Path., Chic., 1928, 6: 575-81.—**Wolfer, J. A.** Carcinoid tumors of the intestines. Surg. Gyn. Obst., 1926, 43: 443-9.—**Zalevsky, I. N.** [Carcinoid of the small intestine with metastases in surgical practice] Khirurgia, Moskva, 1939, No. 8, 119-23.

Contents.

Colowick, S. P., & Cori, C. F. Aminoethyl phosphoric ester in the small intestine of rabbits and pigs. Proc. Soc. Exp. Biol., N. Y., 1939, 40: 586-8.—**Robinson, C. S.** The hydrogen ion concentration of the contents of the small intestine. J. Biol. Chem., 1935, 108: 403-8.—**Luckey, H., & Mills, H.** Factors affecting the hydrogen ion concentration of the contents of the small intestine. Ibid., 1943, 147: 175-81.

Cyst.

THÜMER, K. A. *Ueber Chyluscysten der Darmzotten. 32p. 8° Lpz., 1902.

Chekan, S. T. [Primary cysts of the small intestine] Khirurgia, Moskva, 1937, No. 8, 137.—**Dockerty, M. B., Kennedy, R. L., & Waugh, J. M.** Enterogenous cysts; with report of a case involving the terminal ileum. Proc. Mayo Clin., 1939, 14: 664-7.—**Schena, A. T.** Enterocystoma del intestino delgado. Dia méd., B. Air., 1942, 14: 650-2.—**Verner, J.** [Mesenteric cystoma of the small intestine, simulating acute appendicitis in advanced pregnancy] Cas. lék. česk., 1940, 79: 217-20.

Disease.

WEIDNER-BOHNENBERGER, R. *Untersuchungen über Spiegelbildungen im Dünndarm [München] 16p. 8° Zeulenroda, 1937.

Bloom, A. R. Lesions of the small bowel. Rep. Wayne Co. M. Soc., 1931-32, 2: 74-7.—**Bonorino Udaondo, C., & Maissa, P. A.** Consideraciones clinicas sobre la patologia del intestino delgado. Arch. argent. enferm. ap. digest., 1940-41, 16: 107-62. Also Prensa méd. argent., 1941, 28: pt. 1, 702-26.—**Carruthers, L. B.** Jejuno-ileal insufficiency. J. Christ. M. Ass. India, 1942, 17: 209-13, ch.—**Cheney, G.** Diseases of the small intestine. In Treat. Gen. Med., 2. ed., Phila., 1941, 1: 793-809.—**Chronic disorders of the small intestine.** Brit. M. J., 1939, 1: 1037-9.—**Da Costa, M. B.** Aspectos novos da patologia e da clinica do jejuno e do ileon. Impr. med., Rio, 1942, 18: No. 341, 85-107.—**Gaither, E. H.** Diagnosis and treatment of lesions of the small bowel. Med. Clin. N. America, 1939, 23: 499-511.—**Hartman, H. H.** Lesions of the small bowel other than peptic ulcer. Collect. Papers Mayo Clin., 1934, 26: 125-32. Also Med. Clin. N. America, 1935, 19: 365-82.—**Hunt, T. C.** Diseases of the small intestine. Practitioner, Lond., 1940, 144: 241-7.—**Jones, C., & Jones, C., jr.** Diseases of the small intestine. In Dis. Digest. System. (Portis, S. A.) Phila., 1941, 711-20.—**Kiefer, E. D.** Clinical aspects of chronic disorders of the small intestine. J. Am. M. Ass., 1939, 113: 1546-52.—**Krafft, A.** Ueber Funktionsstörungen des Dünndarms, deren Ursachen und Folgen. Münch. med. Wschr., 1937, 84: 1488-90.—**Kuhlmann, F.** Ueber Dünndarmschmerzen. Med. Welt, 1936, 10: 560.—**Mackie, T. T., & Mills, M. A.** Changes in the small intestine associated with deficiency disease. Am. J.

Digest. Dis., 1940, 7: 480-4. — **Mahler, P.**, Nonnenbruch, W., & **Weiser, J.** Arbeiten über die Physiologie und Pathologie des Dünndarms; Beiträge zur Physiologie, Pharmakologie und Pathologie der Dünndarmzotten beim Hund und beim Menschen. Zschr. ges. exp. Med., 1932, 33, 85: 71-81. — **Neumark, I. O.** [Diagnosis of initial stages of functional and inflammatory diseases of the small intestine]. Klin. med., Moskva, 1941, 19: No. 6, 74-85. — **Obstmayer, J.**, & **Molnár, K.** Ueber die Verwendung von Intestinalin bei Darmerkrankungen. Med. Klin., Berl., 1928, 24: 1952. — **Sinelnikoff, E. I.**, & **Jassinowsky, M. A.** Ueber die Leukozytenmigration im isolierten Abschnitt des Dünndarms beim Hunde. Frankf. Zschr. Path., 1927, 35: 151-63. — **Small (The)** intestine in nutritional disturbances. Ther. Notes, Dentr., 1941, 48: 158. — **Snell, A. M.** Clinical phases of lesions of the small intestine. Proc. Inst. M. Chicago, 1940-41, 13: 342. — **Spriggs, E.** Disorders of the small intestine. Brit. M. J., 1939, 1: 1015-9, pl. — & **Marxer, O. A.** A clinical study of the small intestine. Liverpool Med. Chir. J., 1937, 45: 159-85, 28 pl. — **Tyler, A. F.** Study of the small bowel with special reference to avitaminosis. Nebraska M. J., 1940, 25: 441-4. — **Weel, P. B. von.** Beiträge zur Histopathologie des Dünndarms; zur Histopathologie des absteigenden Dünndarmschenkels vom Reiber (*Ardea cinerea* L.) Zschr. Zellforsch., 1938, 28: 62-82.

Displacement.

Billi, A. Le distopie intestinali da alterata rotazione dell'ansa di Toldt. Clin. chir., Milano, 1938, 41: 351-69. — **Darbois & Sobel.** Au sujet d'un cas de dextro-position du grêle et de sinistro-position colique. Bull. Soc. radiol. méd. France, 1929, 17: 145. — **Dillenseger.** Un cas de dextro-position du grêle et de sinistro-position colique (avec duodénum entièrement mobile). Ibid., 119-26. — **Fouquet, G.** A propos d'une intervention d'anses grêles entre la foie et le diaphragme découverte au cours d'une scopie pulmonaire. Bull. Soc. obst. gyn. France, 1935, 23: 430. — **Heeren, J. G.** Zur röntgenologischen Differentialdiagnose der Dünndarmverlagerungen infolge raumbegrenzender Prozesse im Abdomen. Fortsch. Röntgenstrahl., 1937, 56: 615-26. — **Piergrossi, A.** Sulla interposizione epato-diaframmatica di anse del tenue e sui rapporti di essa con altre affezioni; gastrectasia, pneumatosi cistica, etc. Arch. radiol., Nap., 1937, 13: 410-29.

Distention.

See also subheading Occlusion.

Crowley, R. T. Reflex changes in respiration induced by distention of the small intestine. Arch. Surg., 1942, 44: 707-14. — **Fine, J.**, **Fuchs, F.**, & **Gendel, S.** Changes in plasma volume due to decompression of the distended small intestine. Arch. Surg., 1940, 40: 710-6. — **Rosenfeld, L.**, & **Fine, J.** The effect of breathing 95 percent oxygen upon the intraluminal pressure occasioned by gaseous distention of the obstructed small intestine. Ann. Surg., 1938, 108: 1012-21. — **Schneider, J. G.**, & **Orr, T. G.** The effect of small intestinal distention upon bile and urine flow; its possible relationship to the hepatorenal syndrome. Am. J. Digest. Dis., 1941, 8: 303-6. — **Zagarese, F.** Le alterazioni delle cellule nervose dei plessi intraparietali dell'intestino nelle dilatazioni segmentarie del tenue provocate mediante lesioni del mesentere. Clin. chir., Milano, 1933, n. ser., 9: 54-79.

Diverticulum.

Holz, W. *Beiträge zur Pathologie und Klinik der Duodenal- und Dünndarmdivertikel unter besonderer Berücksichtigung des letzten Decenniums. 19p. 23em. Berl., 1937.

Abell, I. Diverticulosis and diverticulitis of the small intestine. Am. J. Digest. Dis., 1934-35, 1: 193-6. — **Adams-Ray, J.** A unique case of subcutaneous abdominal injury with intramesenteric rupture of diverticulum of the small intestine, and subsequent peritonitis. Acta chir. scand., 1938, 81: 398-40, pl. — **Baker, A. E.** Diverticula of the small intestines. J. S. Carolina M. Ass., 1939, 35: 250-2. — **Bodardwé, A.** Ueber Divertikelbildung im Dünndarm. Röntgenpraxis, 1937, 9: 403-5. — **Boling, J. R.** Multiple diverticula of small intestine. J. Am. M. Ass., 1930, 95: 267. — **Brandes, K.** Ueber Dünndarmdivertikel; nebst einem Beitrage zur Beobachtung eines hochsitzenden Dünndarmdivertikels bei einem Darmlipom. Deut. Zschr. Chir., 1929, 215: 390-402. — **Bunch, G. H.** The congenital factor in acquired diverticulosis of the jejunum and ileum. South. M. J., 1939, 32: 919-21. — **Butler, R. W.** Observations upon multiple intramesenteric diverticula of the small intestine. Brit. J. Surg., 1933, 21: 329-46. — **Chapman, J.** Report of a case of diverticulosis of the small intestine with a critical review of recent literature. Ann. Int. M., 1934, 7: 1376-90. — **Dodson, R. M.** Diverticulosis of the small intestine. West. J. Surg., 1941, 49: 143-6. — **Duckett, J. W.** Diverticula of the small intestine. Texas J. M., 1932, 28: 473-5. — **Edwards, H. C.** The clinical significance of diverticula of the small intestine. Clin. J., Lond., 1934, 63: 231-7. — **Erkes, F.** Schleimhautdivertikel des Dünndarms und ihre chirurgische Bedeutung. Beitr. klin. Chir., 1928-29, 145: 602-5. — **Gisbertz, H.** Multiple Dünndarmdivertikel. Arch. klin. Chir., 1931, 165: 314-21. — **Guthrie, D.**, & **Hughes, F. A.** jr. Diverticulosis of the small intestine; report of 3 cases.

Surgery, 1937, 1: 595-609. — **Harild, S.** Grosses intramesenteriales Dünndarmdivertikel; Uleus peritum intestini, Perforationsperitonitis. Acta chir. scand., 1937-38, 80: 181-97. — **Harttung.** Dünndarmdivertikel mit eigenartigen klinischen Erscheinungen. Arch. klin. Chir., 1926, 143: 231-7. — **Hubeny, M. J.**, & **Pollack, S.** Diverticulosis of the small intestine; report of a case with intestinal obstruction. Am. J. Roentg., 1938, 40: 689-94. — **Jenkinson, E. L.** Diverticula of the small bowel. Radiology, 1929, 12: 100-5. — **Junghans, Dünndarmdivertikel.** Klin. Wschr., 1910, 19: 1071. Also Med. Klin., Berl., 1940, 36: 1232. — **Lockwood, A. L.** Diverticula of stomach and small intestine. J. Am. M. Ass., 1932, 98: 961-4. — **Mellgren, J.** Zur Pathologie und Genese der intramesenterialen Dünndarmdivertikel. Virchows Arch., 1938, 302: 677-99. — **Normark, A.** Klinische Manifestationen bei intramesenterialem Dünndarmdivertikel. Acta paediat., Upps., 1937-38, 20: 475-96. — **Rankin, F. W.**, & **Martin, W. J.** jr. Diverticula of the small bowel. Ann. Surg., 1934, 100: 1123-35. — **Regnier, E.** Multiple Dünndarmdivertikel. Fortsch. Röntgenstrahl., 1928, 38: 1101-4. — **Renk, W.** Beitrag zur Divertikelbildung am Dünndarm des Schweines. Schweiz. Arch. Tierh., 1941, 83: 476 (Abstr.). — **Rider, J. R.** Diverticula of the small intestine in the horse. Vet. Rec., Lond., 1930, 10: 707-11. — **Rile, W. B.** Diverticulitis of the small intestines. U. S. Veterans Bur. M. Bull., 1926, 2: 958-61. — **Verster, R. S.** Diverticulosis of the small intestine. S. Afr. M. J., 1937, 11: 838-41.

Examination.

Abbott, W. O., & **Miller, T. G.** Intubation studies of the human small intestine; a technique for the collection of pure intestinal secretion and for the study of intestinal absorption. J. Am. M. Ass., 1936, 106: 16-8. — **Maddock, S.** A new procedure for introducing solutions directly into the small intestine of experimental animals. J. Lab. Clin. M., 1934-35, 20: 304-7. — **Miller, T. G.** Observations based on intubation of the human small intestine. Clin. Bull. Cleveland, 1939, 3: 36-40. — **Abbott, W. O.**, & **Karr, W. G.** Intubation studies of the human small intestine; miscellaneous observations. Tr. Am. Gastroenter. Ass., 1936, 39, meet., 31-4. Also Am. J. Digest. Dis., 1936-37, 3: 647-50. — **Owles, W. H.** Investigations of the functions of the small intestine in man by intestinal intubation. Clin. Sc., Lond., 1937, 3: 11-20. — **Reis, van der.** Die moderne Dünndarmforschung und ihre Bedeutung. Deut. med. Wschr., 1930, 56: 1691-3. — **Vinogradov, V.**, **Gelbird, J.**, & **Hadjamirov, S.** [Methods of examining small intestine with an intestinal sound]. Vrach. delo, 1928, 11: 677-10. — **Weltz.** Die Technik der funktionellen Dünndarmuntersuchung. Fortsch. Röntgenstrahl., 1937, 56: Kongr., 36 [Discussion] 42.

Excretion.

See also subheading Secretion.

Gavrilov, R. I. [Physiology and pathology of the excretory function of the small intestine; excretion of neutral-red in normal and catarrhal state of the intestinal wall]. Biull. eksp. biol. med., 1941, 11: 334-7. — [Material on the physiology and pathology of the excretory function of the small intestine; excretion of reduction substances by the intestinal wall] Ibid., 462-5. — **Ohta, R.** Klinische Untersuchungen über Resorption und Ausscheidung der Farbstoffe durch den Darmkanal; über Resorption und Ausscheidung durch den Dünndarm. Jap. J. Gastroenter., 1935, 7: Biol. Suppl., 558-63. — **Schönheimer, R.**, & **Hrdina, L.** Ueber Exkretion und Rückresorption im Dünndarm; mit besonderer Berücksichtigung der Sterine. Zschr. physiol. Chem., 1932, 212: 161-72. — **Tanaka, K.** Untersuchungen über Resorption und Ausscheidung der Farbstoffe durch den Darm; über die Ausscheidung der Farbstoffe durch den Dünndarm. Jap. J. Gastroenter., 1935, 7: Biol. Suppl., 554-7.

Fibroma.

MÉNAGÉ, E. L. L. *Contribution à l'étude des fibro-myomes de l'intestin grêle. 59p. 8°. Bordeaux, 1916.

Amorosi, O. Invaginazione ilco-ecale di fibroma dell'intestino tenue. Clin. chir., Milano, 1933, n. ser., 9: 938-45. — **Bischof, F.** Ein Fall von Dünndarmfibrom als Ursache einer chronischen Invagination. Zbl. Chir., 1937, 64: 1657-9. — **Brachetto-Brian, D.**, & **Latienda, R. I.** Fibromixoma de intestino delgado. Rev. As. méd. argent., 1939, 53: 990. — **Bunne, F.** Zur Kenntnis der Dünndarmfibrome. Zbl. Chir., 1939, 66: 1794-6. — **Delagenière, Y.** Fibrome végétant de l'intestin grêle. Ann. anat. path., Par., 1926, 3: 398-400. — **Malmros, R.** [Two cases of fibromyoma intestini tenuis] Ugeskr. laeger, 1934, 96: 853-5. — **Nicoli, L.** Fibromioma del tenue adeso alla vesica. Gazz. internaz. med. chir., 1936, 46: 274-81. — **Picot.** Fibrome de l'intestin grêle. Mém. Acad. chir., Par., 1938, 64: 1081; 1271. — **Rossoni, V.** Invaginazione cronica del tenue per fibroma. Rinasc. med., 1927, 4: 228-30. — **Shecherbakov, F. S.** [Case of fibromyoma of the small intestine] Nov. khir. arkh., 1936, 37: 339. — **Smith, W.**, & **Callaway, G. D.** Fibromas of the small intestine with intussusception; report of 2 cases. J. Missouri M. Ass., 1934, 31: 358-61. — **Szechlo, I.** [Excision of fibroma of the small intestine in pregnancy] Orv. hetil., 1926, 70: 1195.

Fistula.

Bottin, J. Le syndrome humoral et tissulaire au cours des fistules intestinales hautes. Arch. mal. app. digest., Par., 1935, 25: 1070-90.—**Cattell, R. B.** Button closure of small intestinal fistula. Surg. Clin. N. America, 1934, 14: 1105-9.—**David, N.** Les fistules dérivatives de l'intestin grêle sont-elles cachectisantes? Mém. Acad. chir., Par., 1939, 65: 674-90.—**Donald, C. J., jr.** A simple apparatus for the treatment of upper intestinal fistula. Proc. Mayo Clin., 1942, 17: 156-8.—**Hartzell, J. B.** The treatment of fistulas of the small intestine. Surg. Gyn. Obst., 1938, 66: 108-16.—**Kaehler, M.** Zur Behandlung hochsitzender Dünndarmfisteln. Zbl. Chir., 1925, 52: 2418-20.—**Keyes, E. L.** Further experience with the exclusion operation for the treatment of fistula of the small intestine. South. M. J., 1942, 35: 832-7.—& **Middleman, I. C.** The treatment of fistula and obstruction of the small intestine by complete exclusion. Surg. Gyn. Obst., 1941, 72: 237-43.—**Macnaughton, E. A.** The treatment of external fistulas of the proximal small bowel; a means of temporary mechanical anastomosis. Surgery, 1941, 9: 372-80.—& **Crosby, C. H.** A method for handling high intestinal fistulas. Am. J. Surg., 1942, 55: 435-7.—**Mauclair, A.** propos du rapport de M. Algave; les fistules dérivatives de l'intestin grêle sont-elles cachectisantes? Mém. Acad. chir., Par., 1939, 65: 817-9.—**Moura, P., & Lopes, C. X.** Fistula estercoral do delgado consequente a appendicite aguda; ressecção de 15 centímetros de ileon; cura. Rev. brasil. med. pharm., 1931, 7: 209-16.—**Pamperl, R.** Zur Behandlung der hochsitzenden Dünndarmfisteln. Zbl. Chir., 1925, 52: 2402-4.—**Pauchet, V.** Fistule de dérivation sur le grêle. In his Prat. chir. illust., 3. éd., Par., 1939, fasc. 6, 65-71.—**Rouhier, D.** Deux observations de fistules de grêle ayant persisté 10½ mois et 12 mois sans cachectisation et guéries au bout de ce temps par des interventions appropriées. Bull. Soc. nat. chir., Par., 1934, 60: 1247-50.—**Souppault, L.** Les fistules du grêle. Ibid., 1925, 52: 2402-4.—**Straus, F. H.** Prevention of skin digestion in high intestinal fistulas. J. Am. M. Ass., 1935, 105: 1345.—**Tenopyr, J., & Shafroff, B.** High intestinal fistula: a method of treatment. Ann. Surg., 1937, 105: 477-80.—**Tuomikoski, V.** Darmmotilitäts-, Verdauungs- und Resorptionsuntersuchungen bei einer Patientin mit Dünndarmfistel. Skand. Arch. Physiol., Lpz., 1932, 64: 201.—**Warshaw, D., & Hoffman, W. J.** High intestinal fistula; report of case treated by modification of Potter method. J. Am. M. Ass., 1930, 94: 1050-2.—**Williams, H. G., & Sweek, W. O.** A practical procedure in treatment of fistulas of small intestines. Southwest. M. J., 1940, 24: 253-6.—**Zavaleta, D. E.** Tratamiento de las fistulas del intestino delgado. Sem. méd., B. Air., 1940, 47: pt 2, 1218-22.—**Zollinger, R., Emery, E. S., jr., & Rutherford, R. B.** A technique for high intestinal fistula; experimental method. Surgery, 1940, 7: 379-81.

Foreign body and food bolus.

MICHALEK [A.] T. *Die Einwanderung eines sub laparotomia zufällig zurückgelassenen Skalpells in den Dünndarm. 19p. 8° Lpz., 1925.

WALTHER, F. [A. R.] *Dünndarmdurchspießung durch Fremdkörperverletzung [Halle-Wittenberg] 27p. 21cm. Bleicherode a. Harz, 1937.

Black, J. M. Foreign body perforating the small intestine. Brit. M. J., 1929, 2: 1198.—**Desjardines & Bondet.** Occlusion aiguë de l'intestin grêle par une figure. Concours méd., 1940, 62: 540.—**Griffith, F. W.** Obstruction of the small intestine due to food products. Ann. Surg., 1936, 103: 769-72.—**Kobayasi, K.** Ueber einen seltenen Fall von Fremdkörpern im Dünndarm. Zbl. Chir., 1935, 62: 2002-6.—**Male, N. P.** Foreign body fibroma causing occlusion of the small intestine. Vet. Rec., Lond., 1934, 14: 213.—**Melville, C. B.** Perforation of the small intestine by swallowed foreign bodies. Austral. N. Zealand J. Surg., 1940-41, 10: 146-56.—**Moreno, I. G.** Volvulo agudo segmentario del intestino delgado por cuerpo extraño alimenticio. Arch. argent. enferm. ap. digest., 1937-38, 13: 282-93.—**Poigár, F.** Fremdkörpertumor des Dünndarms, zurückgelassene Bauchkompre. Röntgenpraxis, 1933, 5: 596-9.—**Swab** found in small intestine. Lancet, Lond., 1934, 2: 1311.

Gangrene.

Bade, H. Ueber einen Fall von Totalgangrän des Dünndarms, der 24 Stunden vor dem Exitus röntgenologisch untersucht wurde. Röntgenpraxis, 1939, 11: 228.—**Davies, I. G.** The diagnosis of gangrene of the small intestine. Brit. M. J., 1927, 2: 16.—**Fromme, A.** Ueber eine spontan entstandene Nekrose des Dünndarms. Arch. klin. Chir., 1941, 201: 738-46.—**Rycroft, B. W.** The diagnosis of gangrene of the small intestine. Brit. M. J., 1927, 1: 836.—**Summers, J. E.** The treatment of annular gangrene of the small bowel by invagination versus resection. Surg. Gyn. Obst., 1927, 44: 374-7.

Granuloma.

Kini, M. G. Granulomatous ulcers of small intestine causing annular stricture and intestinal obstruction. Ind. M. Gaz., 1941, 76: 662-4, pl.—**Kovács, E.** [Inflammatory tumors of

small intestines]. Gyógyászat, 1934, 74: 20-4.—**Likely, D. S., & Lisa, J. R.** Chronic granuloma of the small intestine. Am. J. Digest. Dis., 1939-40, 6: 113-6.—**Quensel, U.** [Multiple plasma cell infiltration in small intestine, a peculiar mycotic (?) disease]. Fin. läk. säll. hand., 1929, 71: 661-71.—**Wilensky, A. O., & Moschowitz, E.** Nonspecific granuloma of the small intestine. Am. J. M. Sc., 1927, 173: 374-80, pl.—**Williams, C.** Inflammatory tumors of the small intestine; with case report. Virginia M. Month., 1934, 60: 728-33.

Helminthosis.

Chrapek, Z. [Obstruction of the small intestine due to ascarides]. Polska gaz. lek., 1930, 9: 236.—**Michele, G.** Un caso di perforazione acuta nel tenue di cisti da echinococco addominale; contributo radiologico. Arch. radiol. Nap., 1932, 8: pt 2, 457.—**Tisserand.** Occlusion du grêle par un peloton d'ascaris. Bull. Soc. nat. chir., Par., 1929, 55: 722.—**Wigand, R.** Ueber die Konkurrenz von Darmparasiten; Taenia serrata und Diphylobothrium latum im Dünndarm des Hundes nach experimenteller Verfütterung von Diphylobothrium-Plerozerkoiden zu einer bereits vorhandenen Taenia serrata. Zbl. Bakt., 1. Abt., 1935-36, 135: 216-20.

Ileus.

Behrendt, H., & Neumeyer, G. Dünndarmileus durch Endometriose. Beitr. path. Anat., 1936, 97: 597-601.—**Boss, W.** Ileus infolge Perforation einer Genitaltuberkulose in den Dünndarm. Arch. klin. Chir., 1926, 143: 238-44.—**Bottin, J.** Die Ursachen des Todes im Gefolge des hohen Darmverschlusses beim Versuchstier. Ibid., 1936, 185: 705-19.—**Brandes, K.** Ueber die Veränderungen im Blut und Wasserhaushalt beim experimentellen Dünndarmileus des Hundes. Beitr. klin. Chir., 1933, 157: 364-400.—**Brummelkamp, R., & Vonk, A. H.** [A case of ileus of the small intestine]. Ned. tsehr. geneesk., 1926, 70: pt 2, 1630-6, pl.—**Del Campo, J. C.** Sobre un nuevo signo radiológico diferencial entre el ileus mecánico y el ileus paralítico del intestino delgado. Arch. urug. med., 1939, 15: 517-23.—**Elkin, J.** [Case of strangulated ileus in a ring, formed by a cyst, enveloping the appendix and adhering to small intestine]. Vrach. delo, 1927, 10: 1647.—**Griep, K.** Hypernephrommetastasen im Dünndarm als Ursache eines Invaginationsileus. Zbl. Chir., 1939, 66: 2656-9.—**Hammelmann, A.** Ileus durch Lymphogranulomatose des Dünndarms. Med. Klin., Berl., 1933, 29: 1278-80.—**Krüger, H.** Ueber Ileus durch Dünndarmphlegmone. Arch. klin. Chir., 1928, 153: 813-5.—**Luchs, L.** Kasuistischer Beitrag zum Ileus: Hineingleiten von Dünndarm in die nach Leistenbrücheinklemmung spontan perforierte Harnblase. Deut. Zschr. Chir., 1930, 229: 322-5.—**Masaki, S.** [The experimental study of ileus of the upper intestine in parabiosed animals]. Tokyo igakkai zasshi, 1941, 55: 275-304, 2 pl.—[The patho-histological study of obstructive ileus of the upper intestine]. Ibid., 312-24, 2 pl.—**Meyer, A. W.** Dünndarmfistel bei akutem Ileus. Med. Welt, 1930, 4: 120.—**Röbbelen, A.** Beitrag zum akuten mechanischen Dünndarmileus. Deut. Zschr. Chir., 1936-37, 248: 346-9.—**Wohlenberg, W.** Subileus einer Dünndarmschlinge durch hochgradige Kotstauung im Colon descendens. Münch. med. Wschr., 1939, 86: 1808.

Infarction and hemorrhage.

ANTEN, A. [A.] *Blut- und Lymphbahnen in menschlichen hämorrhagisch infarzierten Dünndarmschlingen [München] p.3-11. 8° Lpz., 1930.

Albanese, A. R., & Mosto, D. Apoplejía del intestino delgado. Prensa méd. argent., 1939, 26: pt 1, 592-7.—**Asselin, J.** Infarctus total du grêle du groupe infarctus par choc d'intolérance. Mém. Acad. chir., Par., 1937, 63: 125-9.—**David, A.** Infarctus hémorragique de l'intestin grêle. J. sc. méd. Lille, 1921, 39: pt 1, 90-4.—**Decastello, A.** Angiomartige Teleangiectasien der Dünndarmschleimhaut, verbunden mit zystischer Lymphgefäßerweiterung, als Quelle letaler Darmblutung. Med. Klin., Berl., 1939, 35: 1282-4.—**Delinotte, Desmonts** [et al.] Infarctus de l'intestin grêle par artériolite chez un syphilitique. Ann. anat. path., Par., 1938, 15: 676.—**Dufour, A.** Infarctus du grêle guéri par médication antichoc. Mém. Acad. chir., Par., 1936, 52: 38-44.—**Esau.** Der isolierte Dünndarminfarkt ohne Beteiligung des Mesenteriums. Deut. Zschr. Chir., Berl., 1931, 230: 408-13.—**Jonckheere, F.** A propos d'un infarctus inexplicé du grêle. J. méf. Paris, 1935, 55: 846-8.—**Lardennois, G.** Grave infarctus de l'intestin grêle contrôlé par laparotomie; traitement par adrénaline et thioussolée magnésien. Bull. Soc. nat. chir., Par., 1935, 61: 1022.—**Levine, V.** Hemorrhagic infarction of the small intestine. In Path. Conf. (Jaffé, R. H.) Chic., 1940, 294.—**Montant, R.** Infarctus de l'intestin grêle sans oblitération vasculaire. Rev. méd. Suisse rom., 1938, 58: 428-36.—**Petacchi, M.** Infarto ed ulcerazione di un'ansa del tenue da arteriosclerosi distrettuale: perforazione e peritonite. Policlinico, 1939, 46: sez. chir., 144-52.—**Poinot.** Infarctus du grêle d'origine anaphylactique; intervention; adrénaline; guérison. J. méd. Bordeaux, 1939, 116: pt 1, 530-4.—**Popescu, A., & Aldea, S.** Considérations sur un infarctus de tout l'intestin grêle; opération précoce; guérison. Rev. chir., Bucur., 1940, 43: 396-400.—**Schwartz, A.** Un cas d'infarctus du grêle post-opératoire.

Mém. Acad. chir., Par., 1936, 62: 1239-45; 1253.—Yersin & Ruffy. Infarctissement veineux du grêle par torsion du mésentère. Rev. chir., 1937, 56: 70-2.

Infection and inflammation.

See also Enteritis.

Bogendorfer, L. Zur Frage der Desinfektion des Dünndarms Münch. med. Wschr., 1925, 72: 1511-3.—Gatch, W. D. Infections and tumors of the small intestine. In Textb. Surg. (Christophier, F.) 3. ed., Phila., 1942, 1165-70.—Khatsis, G. M. [Phlegmon of the small intestine] Vest. khir., 1938, 56: 732-6.—Porges, O. Ueber Dünndarmkatarrh ohne Dickdarmkatarrh. In Bahn- & Balneotheer, Karlsbad (1935) 1936, 15: 124-33.—Schwahn, F. Resorptionsversuche am normalen und entzündlich veränderten Meerschweinchendünndarm mit Traubenzuckerlösungen. Mschr. Kinderh., 1936, 66: 380-90.—Todd, W. R., Montague, J. R. [et al.] Digestion and absorption in a case of regional enteritis with 3 feet of small intestine. Proc. Am. Soc. Biol. Chem., 1939, 9: p. ciii.

Injury.

HOMAR, J. *Contusions et ruptures de l'intestin grêle au cours des traumatismes fermés de l'abdomen. 143p. 24 $\frac{1}{2}$ cm. Alger, 1934.

Birkenfeld, W. Selbstverzeugte Dünndarmfistel. Zbl. Chir., 1927, 54: 1875-8.—Bogorad, S. V. [Case of resection of 125 cm. of the small intestine in multiple injury in a child] Sovet. vrach. J., 1938, 42: 631.—Gelma, E., & Kuhlmann. Plaies multiples de l'intestin grêle par une balle de revolver ayant traversé de part en part le scrotum sans atteindre la paroi abdominale. Ann. méd. lég., 1926, 6: 479-81.—Mankin, N. [Multiple injuries of the small intestine] Sovet. khir., 1934, 6: 710-3.—Sauvaget. Onze perforations de l'intestin grêle par balle de revolver suturees à la 14^{ème} heure; guérison sans complications. Bull. Soc. méd. mil. fr., 1929, 23: 177.—Smith, B. C. Trauma of the small intestine. Surg. Clin. N. America, 1941, 21: 409-16.—Stevenson, W. T. Gunshot wounds of small intestine. In his Rep. Surg. Cases S. Afr. War, Lond., 1905, 81-7.—Vergoz, Homar & Ricard. Des zones vulnérables du grêle dans les traumatismes fermés de l'abdomen. Presse méd., 1935, 43: 981.

Intubation.

See also subheadings (Examination; Occlusion)

Abbott, W. O. Small intestinal intubation. In Cyclop. Med. (Piersol-Bortz) Phila., 1940, Serv. Vol., 175-81.—Hartline, H. K. [et al.] Intubation studies of the human small intestine; a method for measuring intra-luminal pressures and its application to the digestive tract. J. Clin. Invest., 1943, 22: 223-34.—Boon, T. H. Small intestinal intubation with the Miller-Abbott tube. Newcastle M. J., 1939, 19: 115-21, pl.—Henderson, G. W. Miller-Abbott double lumen tube for small intestinal intubation. Rocky Mountain M. J., 1942, 39: 341-3.—Intubation of the small intestine as a clinical procedure. Med. J. Australia, 1939, 1: 907.—Klein, S. H. Peroral intubation and drainage of the small intestine; technique and indications. Surgery, 1938, 4: 827-36.—Miller, T. G., & Abbott, W. O. Small intestinal intubation: experiences with a double-lumen tube. Ann. Int. M., 1934, 8: 85-92.—Owles, W. H. Investigations of the functions of the small intestine in man by intestinal intubation; the technique of intestinal intubation in man. Clin. Sc., Lond., 1937, 3: 1-7, pl.

Intussusception.

ROSTOCK, F. K. *Die reine Dünndarminvagination [Jena] 60p. 8° Berl., 1928.

Adám, L. Reizlivierende Dünndarminvagination. Zbl. Chir., 1928, 55: 263-72.—Anderson, J. C. A case of double intussusception of the small gut. J. R. Army M. Corps, 1940, 74: 266-8.—Azzolini, O. Invaginazione del tenue da pancreas accessorio. Gazz. internaz. med. chir., 1935, 45: 553-8.—Delrez, L. Invagination de l'intestin grêle. Liège méd., 1931, 24: 1-8.—Epstein, H. B. Ileocecal and jejunocecal intussusception in an infant; a case report. Am. J. Surg., 1927, n. ser., 3: 262.—Forni, G. Ricerche sperimentali sull'inversione parziale e subtotale dell'intestino tenue del cane. Policlinico, 1927, 34: sez. chir., 275-9.—Froste, N. [Chronic invagination of a tumor of the small intestine, simulating an ulcer] Sven. läk. tidn., 1936, 33: 2-6.—Good, C. A. Chronic intussusception of the small intestine; three cases in which diagnosis was established by roentgenologic methods. Proc. Mayo Clin., 1941, 16: 324-8.—Kozlov, I. D. [Case of multiple, and complicated invagination of the small intestine] Nov. khir. arkh., 1938, 40: 352.—Laurell, H. Beitrag zur Röntgendiagnose der Dünndarminvagination nebst einigen Worten über die Ursachen von Invaginationen überhaupt. Acta radiol., Stockh., 1932, 13: 362, pl.—Lenarduzzi, G. Su alcune invaginazioni del tubo digerente; sull'invaginazione del tenue. Nuntius radiol., Siena, 1939, 7: 183-93, 2 pl.—Loutsch, H. Invagination aiguë iléo-iléale opérée le 8^{ème} jour chez un enfant de 9 ans; résection; anus sur le grêle; guérison. Bull. Soc. nat. chir., Par., 1933, 59: 928-34.—Marcou, Coliques compliquées de vomissement; invagination de l'intestin grêle sur un cheval. J. méd. vét., Lyon, 1854, 10: 489-93.—Mesnager. Invagination aiguë, rétrograde, du grêle chez l'adulte. Bull. Soc. chir. Paris, 1929,

21: 788-96.—Michon & Cadenat. Invagination de l'intestin grêle. Bull. Soc. nat. chir., Par., 1927, 53: 131.—Müller, L. Ueber einen Fall von seitlicher Duodenalinvagination durch Duodenalpolypen mit gleichzeitigen iso- und antiperistaltischen Invaginationen des Dünndarms. Arch. klin. Chir., 1929, 156: 493-8.—Petrowitch, M., & Davidowitch, S. Sur 4 cas d'invagination d'intestin grêle. Bull. Soc. nat. chir., Par., 1932, 58: 1276-83.—Shearer, J. P., & Pickford, E. M. Intussusception of the small intestine into stomach through a gastro-enterostomy stoma. Ann. Surg., 1928, 87: 574-7.—Wardill, W. E. M. Double intussusception of the small intestine. In Durham Mus. Cat., 1928, 252.—White, F. W., & Jankelson, I. R. Late intussusception of the bowel into the stomach after gastro-enterostomy. N. England J. M., 1928, 199: 1189-93, pl.—Woodward, S. De M. Intussusception of the small bowel. Vet. J., Lond., 1928, 84: 461.—Zerboni, E. R. La invaginación de las ansas delgadas a través de la neo boca. Arch. urug. med., 1939, 14: 615-29.

Lipoma.

Gabbianelli, L. Su due casi di lipoma dell'intestino tenue. Policlinico, 1940, 47: sez. chir., 181-8.—Knop, F. Fibrolipom des Darmes. Röntgenpraxis, 1933, 5: 519.—Rapant, V. [Submucous lipoma causing invagination and volvulus of the small intestine] Cas. lék. česk., 1927, 66: 842-4.—Wilmoth, C. L. Intraluminal lipoma of small intestine producing intussusception; report of a case. Am. J. Surg., 1936, 31: 567-9.

Lymphosarcoma [incl. lymphoblastoma]

GUHR, A. *Das Lymphosarkom des Dünndarmes (anhand eines einschlägigen Falles) [Breslau] 47p. 8° Oldenburg, 1934.

Ainsley, A. C. Lymphosarcoma of the small intestine. In Durham Mus. Cat., 1928, 241.—Banadies, A. Contributo allo studio del linfosarcoma dell'intestino simulante una tuberculosi peritoneale. Gior. med. prat., 1930, 12: 353-61.—Benjamin, E. L., & Christopher, F. Primary lymphosarcoma of the small intestine; report of a case. Am. J. Clin. Path., 1940, 10: 408-13.—Borden, D. L., & Taylor, F. D. Primary lymphosarcoma of the small intestine, case report. Mil. Surgeon, 1943, 92: 255-7.—Capechi, E. Linfosarcoma primitivo dell'intestino tenue ed ascite chiliforme. Ann. ital. chir., 1933, 12: 489-518.—Charleux, G., & Cuny, J. Invagination intestinale chronique par lymphosarcome du grêle chez un enfant de 3 ans. Bull. Soc. pédiat. Paris, 1934, 32: 428-34.—Crawford, F. B. Lymphosarcoma of the small intestine. Med. J. Australia, 1926, 1: 553.—Cuny, J. Invagination chronique sur un lymphosarcome du grêle chez un enfant de 3 ans; résection en 2 temps; guérison. Bull. Soc. nat. chir., Par., 1934, 60: 439-42.—Dagari, G., & Zampa, G. Sopra alcuni casi di linfosarcoma dell'intestino tenue. Riv. radiol., 1931, 5: 99-141.—Grilli, A. Forme rare del linfosarcoma primitivo del tenue. Ann. radiol., Bologna, 1936, 10: 58-68.—Hayden, E. P., Schatzki, R., & Mallory, T. B. Lymphosarcoma, multiple, of jejunum and ileum. N. England J. M., 1942, 226: 959.—Khalfen, Sh. S. [Lymphosarcoma of the small intestine] Klin. med., Moskva, 1937, 15: 619.—Kirshbaum, J. D. Lymphosarcomatosis of the small intestine. In Path. Conf. (Jaffé, R. H.) Chic., 1940, 1095-8.—Lehmkuhl, H. Ein Fall von gleichnässigen diffusen Lymphosarkom des Dünndarms. Virchows Arch., 1927, 264: 39-44.—Little, J. L. Lymphoblastomata in small intestine of child. China M. J., 1934, 48: 148-52, pl.—Matronella, M. Contributo clinico-radiologico allo studio del linfosarcoma primitivo del tenue. Umbria med., 1939, 19: 3587; 3600.—Née, L. Lymphoblastome de l'intestin grêle. Normandie méd., 1939, 50: 44-9.—Nielsen, J. Et tilfælde af lymphosarcom i tyndtarmen. Nord. med., 1941, 11: 2524 (Abstr.).—Valdés, U. Linfosarcoma del intestino delgado. An. Sanat. Valdés, 1927, 3: 141-9.—Vasconcellos, E., & Finocchiaro, J. Linfosarcoma do intestino delgado; caso em criança de 2 anos com metastases nos ovarios. Ann. paul. med. cir., 1938, 36: 459-76.

Melanoma.

Gordon, W. C. Primary melanoma of the small intestine; with report of a case. Rev. Gastroenter., 1941, 8: 36-44.—Peritz, E. Scheinbar primäres Melanom des Dünndarms. Arch. klin. Chir., 1926, 139: 242-4.

Morphology.

Albano, G. Anatomie und Physiologie des Darmes in der Gravidität. Zbl. Gyn., 1933, 57: 1698.—Braun, B. Ueber den Bau der Submukosa des Dünndarmes. Zschr. mikr. anat. Forsch., 1931, 25: 44-9.—Carlens, O. Studien über das lymphatische Gewebe des Darmkanals bei einigen Haustieren mit besonderer Berücksichtigung der embryonalen Entwicklung der Mengenverhältnisse und der Altersinvolution dieses Gewebes im Dünndarm des Rindes. Zschr. ges. Anat., 1. Abt., 1928, 86: 393-493.—Hermanowna, S. Appareil de Golgi, vacuome et chondriome dans les cellules épithéliales de l'intestin grêle chez Triton cristatus Laur. C. rend. Soc. biol., 1932, 110: 800.—Martin, C. P., & Banks, J. The amount of mucosal tissue in the small intestine. J. Anat., Lond., 1940-41, 75: 135.—Monks, G. H. Studies in the surgical anatomy of the small intestine and its mesentery. Ann. Surg., 1905, 52: 543-69, 20 pl. — Intestinal localization; a review of

certain studies (on the cadaver) in the surgical anatomy of the small intestine and its mesentery. Surg. Gyn. Obst., 1929, 49: 213-9.—**Morse, R. W., & Nashlund, A. W.** The general pattern and location of the small intestinal coils. Surgery, 1937, 1: 886-95.—**Ottaviani, G.** Ricerche comparative sulle linfo glandule dell'intestino tenue. Monit. zool. ital., (1930) 1931, 41: Suppl., 260.—**Partipilo, A. V.** Surgery of the small intestine; anatomy. In his Surg. Techn., 3. ed., Chic., 1938, 293-9.—**Pernkopf, E., & Lehner, J.** Vergleichende Beschreibung des Vorderdarmes bei den einzelnen Klassen der Kranioten. In Handb. vergl. Anat. (Bolk, L., et al.) Berl., 1937, 3: 349-562.—**Vogt, W.** Eine Tania fibrosa als Längsverspannung am menschlichen Dünndarm. Verh. Anat. Ges., 1936, 43: 274-82.—**Warren, R.** Serosal and mucosal dimensions at different levels of the dog's small intestine. Anat. Rec., 1939, 75: 427-37.—**Wolf-Heidegger, G.** Anatomische Untersuchungen am Dünndarm. Münch. med. Wschr., 1941, 88: 235 (Abstr.)

Movement and musculature.

See also subheading Pharmacology.

SCHMIDT, H. *Ueber das Vorkommen von Antiperistaltik am Dünndarm. 23p. 8^o Würzb., 1930.

Babsky, E. Beiträge zum Studium der motorischen Tätigkeit der Dünndärme; über den Einfluss der durch die Dünndarmschleimhaut gebildeten Stoffe auf die motorische Darmtätigkeit. Arch. ges. Physiol., 1928-29, 221: 419-30. — **Eidinowa, M.** Ueber den Einfluss des Darmdrüsenstoffes auf die motorische Funktion des Dünndarms. Ibid., 1929, 222: 649-55. — Ueber den Cholineinfluss auf die motorische Funktion des Dünndarms. Ibid., 656-61.—**Barden, R. P., Thompson, W. D.** [et al.] The influence of the serum protein on the motility of the small intestine. Surg. Gyn. Obst., 1938, 66: 819-21.—**Baur, M.** Die physiologische Koordination der Bewegungen von Längs- und Ringmuskulatur während der Peristaltik und ihre Aenderung durch darmwirksame Pharmaka Barium und Pilokarpin. Arch. exp. Path., 1926, 112: 205-20. — Die physiologische Koordination der Bewegungen von Längs- und Ringmuskulatur während der Peristaltik und ihre Aenderung durch darmwirksame Pharmaka; Erklärung für die Störung der zeitlichen Koordinationsverhältnisse durch Koloquinten. Ibid., 221-4. — Die Peristaltik des Meerschweinchendünndarms im Filmversuch. Ibid., 1928, 128: Suppl., 119. — Die physiologische Koordination der Bewegungen von Längs- und Ringmuskulatur während der Peristaltik und ihre Aenderung durch Physostigmin. Ibid., 131: 233-54. — Die Peristaltik des isolierten Meerschweinchendünndarms im Filmversuch. Ibid., 1928, 133: 69-83.—**Berardi, A.** Sulla motilità dell'intestino tenue di cani giovani ed adulti. Riv. biol., 1931, 13: 57-72.—**Castleton, K. B.** An experimental study of the movements of the small intestine. Am. J. Physiol., 1934, 107: 641-6.—**Catell, W.** Ueber den Einfluss verschiedener Ernährungsweise auf Motilität und Reizbarkeit des Dünndarms von Ratten, mit Berücksichtigung der chemischen Darmanalyse und anatomischer Besonderheiten. Jahrb. Kinderh., 1927, 3, F. 66: 177-230. — Ueber den Einfluss von Vitamin C auf Motilität und Reizbarkeit des Dünndarms (Tierversuche) mit einer Bemerkung über die refraktäre Phase am Darm. Ibid., 1927-28, 3, F. 68: 363-80.—**Douglas, D. M., & Mann, F. C.** An experimental study of the rhythmic contractions in the small intestine of the dog. Am. J. Digest. Dis., 1939-40, 6: 318-22.—**Eura, S.** Ueber die spontanen Bewegungen des Dünndarms. Jap. J. M. Sc. 1927-28, 1: Tr. Biophys., 53-65.—**Franklin, K. J., & Maher-Loughnan, G. P.** The circular musculature of the small intestine. J. Physiol., Lond., 1938, 94: 426-9.—**Gallavresi, L.** Studio radiologico delle modificazioni topografiche e morfologiche del tenue nel passaggio dalla stazione eretta al decubito supino. Radiol. med., Milano, 1932, 19: 836.—**Hasama, B.** Ueber die elektrischen Beileiterschneidungen der Dünndarmbewegungen. Arch. exp. Path., Berl., 1933-34, 174: 182-96.—**Hines, L. E., & Mead, H. C. A.** Peristalsis in a loop of small intestine; a direct study. Arch. Int. M., 1926, 38: 536-43.—**Hukuhara, T.** Die normale Dünndarmbewegung (mit Hilfe der Bauchfenster-methode und Kinematographie) Arch. ges. Physiol., 1930-31, 226: 518-42. — Die Bewegung und Innervation des Dünndarmes (experimentelle mit Hilfe der Bauchfenster-methode und Kinematographie) Ibid., 1932, 229: 311-35. — Die Dünndarmbewegung unter dem Einfluss der vegetativen Nervengifte. Ibid., 1933, 232: 42-50. — Die Bewegung des ausgeschnittenen Dünndarmes. Ibid., 51-5. — Weitere Studien über die normale Dünndarmbewegung. Ibid., 1934-35, 235: 164-75.—**Ivanovsky, B. D., & Khasanov, M. L.** [Observations on the motor function of the small intestine in man] Klin. med., Moskva, 1933, 11: 209-12.—**Krishnan, B. T.** Studies on the function of the intestinal musculature; the normal movements of the small intestine and the relations between the action of the longitudinal and circular muscle fibres in those movements. Q. J. Exp. Physiol., Lond., 1932, 22: 67-73.—**Li, P. L.** A comparative study on the structure of the circular muscle of the small intestine of vertebrates. Chin. M. J., 1936, Suppl. 1, 21-30, pl. — Neue Beobachtungen über die Struktur des Zirkulärmuskels im Dünndarm bei Wirbeltieren. Zschr. Anat. Entw., 1937, 107: 212-22.—**Maley, O.** Zur Frage des retrograden Transports aus dem Dickdarm in höher gelegene Dünndarmabschnitte.

Arch. exp. Path., Lpz., 1929, 139: 38-46.—**Menville, L. J., & Ané, J. N.** An X-ray study of the passage of different food-stuffs through the small intestine of man. Radiology, 1932, 18: 783-6.—**Never, H. E.** Flüssigkeitstransportbewegung (Rheokinetik) durch den Dünndarm. Arch. ges. Physiol., 1934, 234: 648-52.—**Oettel, H.** Untersuchungen am normalen Dünndarm des Hundes. Arch. exp. Path., Berl., 1934, 175: 588; 1934-35, 177: 317.—**Okuda, M.** Beiträge zur Erkenntnis der Dünndarmbewegung. Japan M. World, 1929, 9: 155-65.—**Otubo, Y.** Experimentelle Studien über die Dünndarmbewegung. Okayama igakkai zasshi, 1928, 40: 1892.—**Pannhorst, R.** Röntgenkymographische Untersuchungen der Bewegungsformen des Dünndarmes von Tier und Mensch. Zschr. ges. exp. Med., 1937-38, 102: 617-96.—**Peiper, A.** Dünndarmperistaltik. Jahrb. Kinderh., 1928-29, 3, F. 72: 263-83. — **Isberi, H.** Bewegungen des Magen-Darmkanals im Säuglingsalter; der Dünndarm. Ibid., 1928, 3, F. 70: 306-11.—**Popov, N. A., & Gubarev, P. A.** Effect of diathermia of the brain on the contraction of the small intestine. Bull. biol. med. exp. URSS, 1938, 6: 44-7.—**Rehfuss, M. E.** Smooth muscle contractions of the small bowel; demonstration of an active principle capable of stimulating these contractions. J. Am. M. Ass., 1932, 99: 2261-4.—**Ri, K.** On the nitrogen-containing substances in the muscle layers and in the mucous membranes of the jejunum and the ileum. J. Biochem., Tokyo, 1940, 32: 175-9.—**Samburg, A. M., Klister, E. L., & Pliginsky, S. S.** [Investigation of the motor function of the small intestine] Nov. khir. arkh., 1939, 45: 118-26.—**Schneller, F.** Zur Physiologie der Dünndarmbewegungen. Arch. ges. Physiol., 1925, 209: 177-217.—**Sinelnikov, E. I.** Ueber Hungerbewegungen eines Dünndarmabschnitts beim Menschen. Ibid., 1926-27, 215: 427-30. Also Vrach. delo, 1927, 10: 184-6.—**Tönnis, W., & Schmidt, H.** Ueber das Vorkommen von Antiperistaltik am Dünndarm. Zschr. ges. exp. Med., 1931, 77: 551-7.—**Weitz, W., & Vollers, W.** Beitrag zur Frage der Dünndarmbewegungen beim Menschen. Ibid., 1926, 53: 747-51.—**Wertheimer, E.** Influence des excitations corticales et de l'anémie sur les mouvements de l'intestin grêle. Arch. internat. physiol., Liège, 1921-22, 17: 193-208.—**Youmans, W. B., Haney, H. F.** [et al.] Motility of the human small intestine. Am. J. Physiol., 1940, 129: 503. — Observations and moving picture studies of the motility of the human small intestine. Am. J. Digest. Dis., 1941, 8: 60-2.—**Zollner, S.** Physiologische Schwankungen in der Motorik des Dünndarms. Fortsch. Röntgenstrahl., 1937, 56: 644-9.

Myoma.

Balog, E. Leiomyom des Dünndarms. Zbl. Chir., 1935, 62: 802.—**Benoit & Alvisatos.** Léiomyome du grêle enclavé dans le pelvis avec volvulus. Bull. Soc. nat. chir., Par., 1934, 60: 1221-8.—**Boerma, N. J. A. F.** [Leiomyoma of small intestine; case] Ned. tschr. geneesk., 1929, 73: pt 1, 2159-62, pl. Also Zbl. Gyn., 1929, 53: 1717-9.—**Bonneau, R.** Léiomyome malin de l'intestin grêle. Bull. Soc. chir. Paris, 1928, 20: 52.—**Dagneau, P. C., Lemieux, R., & Trempe, F.** Léiomyome sous-séreux de l'intestin grêle. Laval méd., 1936, 1: 177-81.—**D'Argencourt, G.** Un cas de myome du grêle. Union méd. Canada, 1942, 71: 420. — La chirurgie en province; myome du grêle. Ibid., 587.—**Fraenkel, E. M.** Submucosale leiomyoma of the small intestine. Arch. ital. chir., 1938, 52: 154-7.—**Jorge, J. M., Latienda, R. I., & Cervini, R. E.** Mioma de intestino delgado. Rev. As. méd. argent., 1939, 53: 335-8.—**Key-Aberg, K.** Contribution to the knowledge of myomata in the small intestine. Acta chir. scand., 1927, 62: 261-75.—**Klopp, E. J., & Crawford, B. L.** Leiomyoma of the small intestine. Ann. Surg., 1935, 101: 726-33.—**Müller, G.** Volumineux myome de l'intestin grêle intéressant l'appareil génital de la femme. Gyn. obst., Par., 1926, 14: 44-9.—**Nakamura, T.** Ueber das Adenomyom aus dem Nebenhoden des Dünndarms. Okayama igakkai zasshi, 1936, 48: 1263, pl.—**Norbury, L. E. C.** Fibro-leiomyoma of small intestine. Proc. R. Soc. M., Lond., 1928-29, 22: Sect. Surg., 22.—**Patterson, D. C., & Geer, W. A.** Leiomyoma of the small intestine; case report. Connecticut M. J., 1943, 7: 168.—**Robertson, J. H.** Case of fibromyoma of the small intestine. Tr. R. Med. Chir. Soc. Glasgow, 1928-29, 23: 109.—**Schapiro, J. S.** Leiomyom des Dünndarms. Zbl. Gyn., 1934, 58: 215-7.—**Smith, O. N.** Leiomyoma of the small intestine; with report of a case with fatal hemorrhage. Am. J. M. Sc., 1937, 194: 700-7, pl.—**Steindl, H.** Muskelgeschwülste des Dünndarms und ihre Erscheinungen. Wien. med. Wschr., 1929, 79: 1256-62.—**Tanasesco.** Fibromyome supprimé de l'intestin grêle. Mém. Acad. chir., Par., 1938, 64: 1400-4.

Nerves.

Babsky, E. B., Mulikov, A. I., & Kharitonova, M. Humoral influence of stimulation of the vagus nerve upon the movements of the small intestine. Bull. biol. med. exp. URSS, 1936, 2: 40.—**Barry, D. T., Chauchard, A., & Chauchard, B.** Recherches sur l'excitabilité du pneumogastrique moteur de l'intestin grêle. C. rend. Soc. biol., 1933, 113: 1168.—**Bunting, H., Meek, W. J., & Maske, C. A.** The chemical transmission of vagal effects to the small intestine. Am. J. Physiol., 1935-36, 114: 100-5.—**Drake, M. E., Modern, F. S.** [et al.] A pharmacological approach to the effector innervation of the small intestine. Arch. internat. pharm. dyn., Par., 1939, 63: 224-42.—**Dukes, H. H.** The irritability and chronaxie of the small bowel. Proc. Soc. Exp. Biol., N. Y., 1929-30, 27: 130.—

Hodes, R. Reciprocal innervation in the small intestine. *Am. J. Physiol.*, 1940, 130: 642-50.—Hukuhara, T. Is the small intestine innervated by the so-called spinal parasympathetic nervous system? *Q. J. Exp. Physiol.*, Lond., 1934, 24: 37-44.—Isisawa, M. Existence des ganglions nerveux muqueux dans le chorion de l'intestin grêle humain. *C. rend. Soc. biol.*, 1939, 130: 1495-8.—Issekutz, B., jr. Die Innervation des Dünndarmes. *Arch. ges. Physiol.*, 1933, 233: 494-502.—Lewin, M. H. Beobachtung über die Funktion einer isolierten und von allen ihren früheren Nervenverbindungen mit dem Organismus vollkommen befreiten Dünndarmschlinge beim Menschen. *Ibid.*, 1927, 216: 673-81.—Li, P. L. The intramural nervous system of the small intestine with special reference to the innervation of the inner subdivision of its circular muscle. *J. Anat.*, Lond., 1939-40, 74: 348-59, 2 pl.—Melik-Megharab, A. M. Zur Physiologie der motorischen und sekretorischen Funktion des Dünndarms; der Einfluss der Vagusreizung auf die motorische Funktion des Dünndarms. *Arch. ges. Physiol.*, 1926, 213: 245-55.—Rossi, O. Contributo alla conoscenza degli apparati nervosi intramurali dell'intestino tenue. *Arch. ital. anat.*, 1929, 26: 632-44, 5 pl.—Ulteriore contributo agli studi sulla innervazione dell'intestino tenue. *Jahrb. Psychiat. Neur.*, 1934, 51: 214-36.—Sauer, M. E., & Rumble, C. T. The number of nerve cells in the myenteric and submucous plexuses of the small intestine of the cat. *Anat. Rec.*, 1941, 79: Suppl. No. 2, 77.—Schamoff, W. N. Eine Methode zur vollständigen Isolierung einer Darm-schlinge von allen ihren Nervenverbindungen im Organismus. *Arch. ges. Physiol.*, 1927, 216: 669-72.—Sealy, W. B., & Wicher, S. L. Effect of sympathetic denervation upon peristalsis of the cat small intestine in situ. *Proc. Soc. Exp. Biol.*, N. Y., 1936, 34: 806.—Sinclimkov, E. J. Ueber den Einfluss des Grosshirns auf die motorische Funktion des Dünndarms. *Arch. ges. Physiol.*, 1926, 213: 239-44.—Straub, W., & Stefansson, K. Ueber den Einfluss der Vagusreizung auf die Peristaltik des Meerschweinchendünndarms. *Arch. exp. Path.*, Berl., 1937, 185: 450-5.—Urakami, Y. Ueber die Beziehungen des Auerbach'schen Plexus zu den Dünndarbbewegungen. *Fukuoka acta med.*, 1927, 20: 89.

— Neuroma [incl. schwannoma]

SEILER, J. *Beitrag zur Frage der Darm-neurinome; Mitteilung eines Dünndarmneurinoms. 18p. 21cm. Würzb., 1938.

Bonriot, A. Sur un cas de schwannome du grêle. *Mém. Acad. chir.*, Par., 1939, 65: 535-40.—Caby, F., & Gasne, L. Neurinome isolé de l'intestin grêle. *Ann. anat. path.*, Par., 1939, 16: 656.—Gräfin. Un cas de neurinome solitaire de l'intestin grêle. *Bull. Soc. chir. Paris*, 1939, 31: 186-8.—Lemonnier. Tumeur hémorragique de l'intestin grêle (schwannome). *Bull. Soc. nat. chir.*, Par., 1933, 59: 1318-22.—Mouchet, A., & Semain, A. Un cas de neurinome solitaire de l'intestin grêle. *Mém. Acad. chir.*, Par., 1939, 65: 186-97.—Ritter, S. A. Neuroblastoma of the small intestine. *Am. J. Surg.*, 1938, 41: 486-93.—Tunoda, S. Ein Fall von Sympathikoblastomatose des Dünndarms. *Tr. Jap. Path. Soc.*, 1931, 21: 845-9, pl.—Weyeneth, R. Cystisches Neuroblastom des Dünndarms. *Arch. klin. Chir.*, 1939, 195: 398-412.

— Occlusion.

See also subheading Distention.

HÄBLER, C. Untersuchungen zur Molekular-pathologie des experimentellen Dünndarmverschlusses zugleich ein Beitrag zur Technik der Pfortader-Angiostomie und zur pathologischen Physiologie der Wasserentziehung [Würzburg] p.524-77. 8°. Berl., 1926.

Also Zschr. ges. exp. Med., 1927, 54:

HEYDEMANN, J. *Ueber akuten und chronischen Dünndarmverschluss. 31p. 23cm. Berl., 1937.

MAISSA, P. A. Diagnóstico radiológico de la obstrucción crónica incompleta del yeyuno-ileón. 88p. 23cm. B. Air., 1936.

SAINT-CYR, C. G. M. *L'entérostomie dans les occlusions aiguës de l'intestin grêle. 115p. 8°. Par., 1935.

SULZBACH, J. F. *Acute mechanical obstruction of the small intestine [St Mary's Hosp.] 33 l. 23cm. S. Louis, 1941.

WORM, G. J. *Mechanical obstruction of the small intestine; its pathologic physiology and rationale of treatment [Misericordia Hosp.] 46p. 28cm. Milwaukee, 1940.

Arita, S. Histologische Untersuchung des dilatierten Magens beim experimentellen Dünndarmverschlusse. *Jap. J. M. Sc.*, 1934-36, 4: Surg., 286.—Aspinall, A. A case of intestinal obstruction, with extensive small bowel resection. *Austral. N. Zealand J. Surg.*, 1938-39, 8: 311.—Bauer, R.

Résultats de l'extériorisation intestinale pour occlusion aiguë du grêle. *Rev. chir.*, Par., 1934, 72: 797-803.—Berg, A. A., & Crohn, B. B. Lymphangiectatic envelope of the small intestine causing chronic nimbrian obstruction. *J. Mount Sinai Hosp. N. York*, 1937-38, 4: 203-9.—Bompard, H. Sept observations d'occlusion post-opératoire de l'intestin grêle. *Mém. Acad. chir.*, Par., 1936, 62: 1190-4.—Boon, T. H. Intubation of the small intestine; demonstration and localisation of partially obstructive lesions. *Lancet*, Lond., 1940, 1: 7-10, pl.—Botlin, J. Etude clinique et thérapeutique de l'occlusion de l'intestin grêle. *Liège méd.*, 1937, 30: 1403; 1437; 1463.—Wilkie, D. [et al.] Occlusions aiguës et chroniques de l'intestin grêle. *Bruxelles méd.*, 1936-37, 17: 1762-6.—Bromley, L. Small intestine obstruction. *Guy's Hosp. Rep.*, Lond., 1930, 80: 297-304.—Caroli, J., Girard, M., & Laverigne, H. Cholalurie et cholurie au cours de l'occlusion expérimentale du grêle chez le chien. *C. rend. Soc. biol.*, 1938, 129: 471.—Case, J. T. Chronic obstruction of the small intestine. *Radiology*, 1927, 9: 1-14.—Estudios roentgenológicos de la obstrucción aguda y crónica (ileo) del intestino delgado. *Bol. Soc. mex. electroradiol.*, 1928, 2: No. 3, 5. Also *Rev. As. méd. mex.*, 1929, No. 18, 5.—Cates, B. B. Management of acute obstruction of the small intestines. *Internat. J. M. & S.*, 1933, 46: 116.—Charbonnel & Ringenbach. Occlusions intestinales du grêle par sac de Mikulicz. *Bordeaux chir.*, 1937, 8: 313-5.—Chenut, A. L'expérimentation dans l'occlusion mécanique du jéjunum-ileon. *Rev. chir.*, Par., 1926, 64: 474-534.—Colcock, B. P. Treatment of acute obstruction of the small intestine. *Surg. Clin. N. America*, 1940, 20: 781-92.—Craig, C. Special methods in the diagnosis of subacute obstruction of the small intestine. *Med. J. Australia*, 1934, 2: 545.—Crowley, R. T., & Johnston, C. G. Therapeutic considerations in acute obstruction of the small intestine. *Surg. Gyn. Obst.*, 1941, 73: Suppl. 1-7.—Cubbins, W. R., & Fey, A. Acute intestinal obstruction, mechanical in type, of the jejunum and ileum. *Illinois M. J.*, 1934, 65: 203-12.—Delagenière, Y. L'occlusion aiguë de l'intestin grêle d'après une série intégrale de 70 observations. *Bruxelles méd.*, 1937-38, 18: 450-4.—Edye, B. T. Acute obstruction of the small intestine. *Austral. N. Zealand J. Surg.*, 1932, 2: 160-7.—Eggs, F. Zur Frage der Transmineralisation beim Dünndarmverschluss. *Deut. Zschr. Chir.*, 1933, 239: 692-702.—Fine, J. Mechanical obstruction of the small intestine; clinical evidence against constipation as a uniformly reliable guide in the diagnosis. *N. England J. M.*, 1938, 219: 223-5.—Fox, N. I., Mantel, F. J., & Rabens, J. I. Acute toxic nephritis complicating acute obstruction of the small intestine. *J. Am. M. Ass.*, 1931, 96: 943.—Gabriel, W. D. Five cases of small-gut obstruction round colostomies. *Proc. R. Soc. M.*, Lond., 1927-28, 21: Sect. Surg., 47-54.—Gilson, O. A propos des variations de la teneur en urée et en chlorures sanguins au cours de l'obstruction intestinale grêle chez le chien. *C. rend. Soc. biol.*, 1937, 124: 1254-6.—Grant, J. P. Obstruction of the small intestine from simple causes. *Rev. Gastroenter.*, 1934, 1: 121-35.—Häbler, C. Molekular-pathologische und experimentelle Untersuchungen über die Todesursache beim Dünndarmverschluss. *Zschr. ges. exp. Med.*, 1928, 62: 62-96.—Der experimentelle Beweis für die Intoxikation als Todesursache beim Dünndarmverschluss. *Verh. Phys. med. Ges.*, 1929, n. F., 54: 84-8.—Molekularpathologische und experimentelle Untersuchung über die Todesursache beim Dünndarmverschluss; der Beweis für die Intoxikationstheorie. *Zschr. ges. exp. Med.*, 1930, 70: 153-86.—Hibbard, J. S., & Wangenstein, O. H. Character of the gaseous distension in mechanical obstruction of the small intestine. *Proc. Soc. Exp. Biol.*, N. Y., 1934, 31: 1063-6.—Holt, R. L. Acute obstruction of the small intestine. *Lancet*, Lond., 1939, 2: 61-5.—Káráti, O. [Obstruction of the small intestine]. *Gyógyászat*, 1931, 71: 470-2.—Leigh, O. C., jr., Nelson, J. A., & Swens, P. C. The Miller-Abbott tube as an adjunct to surgery of small intestinal obstructions. *Ann. Surg.*, 1940, 111: 186-212.—Lewis, E. J., Shapiro, P., & Vaughan, R. T. The management of mechanical obstruction of the small intestine due to bands and adhesions. *J. Am. M. Ass.*, 1940, 114: 2350-4.—Little, W. D., Zervas, L. G., & Trusler, H. M. Chronic obstruction of the small bowel; the result of 2 enterostomies and apparently the cause of pernicious anemia. *Ibid.*, 1929, 93: 1290.—MacFee, W. F. Mechanical obstructions of the small intestine. *N. York State J. M.*, 1940, 40: 424-34.—McIntosh, C. A., & Owings, J. C. The effect of solutions of pituitary and various drugs on the movements of the small intestine during simple mechanical obstruction. *Arch. Surg.*, 1928, 17: 996-1016.—McKenna, H. Decompression in treatment of obstruction of the small intestine. *Surg. Clin. N. America*, 1939, 19: 161-8.—McKenty, J. The diagnosis and treatment of obstruction of the small intestine in adults. *Canad. M. Ass. J.*, 1926, 16: 260-4.—McKittrick, L. S. The diagnosis and management of acute obstruction of the small intestine. *N. England J. M.*, 1941, 225: 647-52.—Sarris, S. P. Acute mechanical obstruction of the small bowel; its diagnosis and treatment. *Ibid.*, 1940, 222: 611-22.—McLean, C. G. Acute obstruction of small intestine, general considerations. *Kentucky M. J.*, 1938, 36: 226-8.—Martin, L. A discussion of some conditions producing chronic low-grade obstruction of the small intestine. *Mississippi Doctor*, 1940-41, 18: 308-14.—Wright, H. E. Low grade partial obstruction of the small intestine. *Bull. Johns Hopkins Hosp.*, 1938, 62: 422-9.—Miller, G. An unusual case of obstruction of the small intestine. *Brit. M. J.*, 1938, 2: 1091.—Mixer, W. J. Ueber die Bedeutung der Mesenterialgeschwülste in der Pathogenese des Dünndarmverschlusses. *Arch. klin. Chir.*,

1926, 143: 710-7.—**Mocquot, P.** Le signe de la fausse ascite dans les obstructions chroniques et incomplètes de l'intestin grêle. In *Oeuvre* (Delbet, P.) Par., 1932, 223-5. — **Padovani, P.** Technique et indications de l'entérostomie sur le grêle dans le traitement de l'occlusion intestinale. *J. chir., Par.*, 1934, 44: 12-25.—**Morton, J. J.** Factors determining the selection of operation in obstruction of the small intestine. *Surgery*, 1937, 1: 848-58. — Obstruction of the small intestine. In *Cyclop. Med.* (Piersol-Bortz) Phila., 1939, 8: 53-75.—**Noer, R. J., & Johnston, C. G.** Small intestine obstruction; a 5-year study. *Ann. Surg.*, 1942, 115: 935-8.—**Ochsner, H. C.** Small bowel obstruction; a roentgenologic study. *Am. J. Digest. Dis.*, 1941, 8: 16-20.—**Orr, T. G.** The action of morphine on the small intestine and its clinical application in the treatment of peritonitis and intestinal obstruction. *Tr. Am. Surg. Ass.*, 1933, 51: 319-24. Also *Ann. Surg.*, 1933, 98: 835-40.—**Osler Abbott, W., Zetzel, L., & Glenn, P. M.** Observations on the motor activity of the obstructed small intestine made during the course of treatment by intubation. *Am. J. M. Sc.*, 1938, 195: 279.—**Pendergrass, E. P.** The role of the radiologist in the diagnosis of obscure and chronic obstructive lesions of the small intestine. *Internat. Clin.*, 1940, n. ser., 1: 133-41.—**Rea, C. E.** The diagnosis and treatment of small bowel obstruction. *Am. J. Surg.*, 1939, 46: 64-10.—**Robison, J. S.** Intestinal obstruction; consideration of an infrequent type of mechanical obstruction of the small intestine resulting from herniation of the bowel through an aperture in the mesentery. *J. Indiana M. Ass.*, 1942, 35: 295-303.—**Schrank, H.** Frühzeitiges Erkennen und Operieren des Dünndarmverschlusses. *Zbl. Chir.*, 1934, 61: 2042-5.—**Seulberger, P., Brandes, K., & Beykirch, A.** Experimentelle Untersuchungen beim künstlichen Dünndarmverschluss des Hundes; die Bedeutung der Duodenalsäfte. *Beitr. klin. Chir.*, 1928, 144: 135-57.—**Shier, R. V. B.** Acute obstruction of the small intestine. *Canad. M. Ass. J.*, 1930, 22: 646-50.—**Stobie, G. H.** Acute obstruction of the small bowel. *Ibid.*, 1931, 24: 70-3.—**Stowers, J. E.** The early diagnosis and treatment of acute obstruction of the small intestine. *Tr. West. Surg. Ass.* (1930) 1931, 40: 509-32. Also *J. Missouri M. Ass.*, 1931, 28: 194-201.—**Uriburu, J. V.** Oclusión aguda del delgado; tratamiento mediante la descompresión con sonda introducida por vías naturales. *Día méd.*, B. Air., 1940, 12: 194-7.—**Vach, F.** [Obstruction of the small intestine by gall stones] *Cas. lék. česk.*, 1929, 68: 16-21.—**Valdoni, P.** Sulla tossicità del contenuto intestinale nelle occlusioni sperimentali basse del tenue. *Bull. Accad. med. Roma*, 1929, 55: 210-9.—**Vandenberg, H. J.** The forgotten Moynihan tube in acute mechanical obstruction of the small intestine. *Ann. Surg.*, 1941, 113: 1066.—**Warthen, H. J.** Acute small bowel obstruction; a study of 100 cases. *Virginia M. Month.*, 1936-37, 63: 99-103.—**White, J. D., Brailsford, J. F.** [et al.] Diagnosis of subacute obstruction of small intestine. *Brit. M. J.*, 1936, 2: 303.—**Willis, B. C.** Diagnosis and treatment of acute intestinal obstruction, involvement of the small intestine. *Am. J. Surg.*, 1930, n. ser., 8: 33-6.—**Willson, D. M.** Intestinal intubation; studies in acute and subacute obstruction of the small intestine. *Proc. Mayo Clin.*, 1938, 13: 666-71.—**Workman, E. W., & Miller, D. G.** A clinical review of 241 cases of obstruction of the small bowel. *Canad. M. Ass. J.*, 1934, 30: 141-8.—**Yamada, T.** An experimental study on the quantity of the blood in the pulmonary circulation in time of the obstruction of the small intestine. *Jap. J. M. Sc.*, 1934-36, 4: Surg., 294.

Perforation and rupture.

HARTMANN, W. *Subcutane Berstungsrupturen des Dünndarmes. 59p. 23cm. Berl., 1937.

Carrell, R. C. Perforation of small intestine due to a contusion. *Med. Bull.* (Standard Oil Co.) N. Y., 1939-41, 4: 424.—**Ducrocq, F., & Barbry, P.** Contusion abdominale; perforation de l'intestin grêle; opération après 56 heures; guérison. *J. sc. méd. Lille*, 1924, 42: pt 2, 433-8.—**Estela Rague, J.** Traumatología visceral; rotura de intestino delgado. *Med. ibera*, 1927, 21: pt 1, 473-6.—**Hormuth, V.** Subkutane Berstungsruptur des Dünndarms durch Sportverletzung. *Münch. med. Wschr.*, 1938, 85: 592-4.—**Hufschlag auf das Abdomen, Ruptur einer Dünndarmschlinge.** *Jahrb. Chir. Abt. Spital Basel* (1902) 1903, 46.—**Inlow, W. de P.** Secondary or late perforation of small intestine from trauma. *Arch. Surg.*, 1930, 21: 97-112.—**Kanawati, C.** Un cas de contusion abdominale avec rupture complète de l'intestin grêle; hémorragie interne sans contracture de la paroi. *Rev. prat. mal. pays chauds*, 1938, 18: 473-6.—**Keeler, C. C.** Traumatic subcutaneous perforations of the small intestine. *Med. Bull. Veterans Admin.*, 1941-42, 18: 406-9.—**Korzhaniants, A. S.** [Case of complete rupture of the small intestine with woundless abdominal wall] *Khirurgia, Moskva*, 1939, No. 8, 124.—**Kraatz, H.** Dünndarmperforation über einem Kotsstein mit Peritonitis als seltene Todesursache beim Neugeborenen; kasuistische Mitteilung. *Zbl. Gyn.*, 1937, 61: 1648-50.—**Lande, P., & Dervillé, P.** Sur un cas de perforation traumatique de l'intestin grêle; considérations médico-légales. *J. méd. Bordeaux*, 1938, 115: pt 2, 594-6.—**Lifshitz, I. I.** [Case of rupture of the small intestine following repeated operation] *Nov. khir. arkh.*, 1938, 41: 414.—**Martinet.** Perforation of the small intestine. *Month. J. Foreign Med.*, 1828, 1: 156.—**Nadler.** Subkutane Berstungsrupturen des Dünndarmes durch Sportverletzung. *Zbl. Chir.*, 1930, 57: 2125-9.—**Nagorianskaia,**

V. P. [Subcutaneous ruptures of the small intestine] *Sovet. khir.*, 1932, 3: 304.—**Parcelier, A.** Perforations diastatiques d'une anse grêle au cours d'une occlusion intestinale post-opératoire. *Bordeaux chir.*, 1932, 3: 50.—**Peirce, C. B.** Perforation of the small bowel. *Med. Clin. N. America*, 1928, 12: 507-19.—**Robinson, S.** A case of spontaneous rupture of the small intestine without trauma or pathology. *West. J. Surg.*, 1938, 46: 312-6.—**Sauer, P. K.** Multiple bullet perforations of small intestines; 2 resections with end-to-end anastomoses. *Am. J. Surg.*, 1938, 39: 646.—**Siegmund, E.** Ein Fall von Berstungsruptur des Dünndarmes ohne Einwirkung äusserer Gewalt. *Zbl. Chir.*, 1928, 55: 1105-7.—**Stayitch, S.** Un cas de perforation aiguë de l'intestin grêle en péritoine libre chez un nourrisson de 5 mois. *Bull. Soc. pédiat. Paris*, 1939-40, 37: 528.—**Vergoz, C., Ricard, E., & Homar, J.** Contusions et ruptures de l'intestin grêle au cours des traumatismes fermés de l'abdomen. *Rev. chir., Par.*, 1934, 72: 723-59.—**Wallace, E. H., & Amin-Ul-Haq.** Multiple perforations of small intestine with recovery. *Ind. M. Gaz.*, 1938, 73: 739.—**Waterston, R. E.** A case of intramural rupture of the small intestine. *J. R. Army M. Corps*, 1942, 78: 287-9.

Peyer plaques.

Favilli, N. Distribuzione ed estensione delle placche di Peyer nell'intestino di equidi, bovidi, carnivori e roditori domestici. *Arch. ital. anat.*, 1937, 38: 153-67.—**Langegger, P. A.** Die Entwicklung der Peyer'schen Platten und des Längswachstum der einzelnen Dünndarmabschnitte. *Verh. Anat. Ges.*, 1939, 47: 198-200.—**Muratori, G.** Osservazioni sulla vascolarizzazione sanguigna delle placche di Peyer. *Arch. ital. anat.*, 1938, 40: 491-512, 3 pl.—**Ohno, R.** Sulla vascolarizzazione sanguigna delle placche di Peyer dell'uomo. *Boll. Soc. ital. biol. sper.*, 1939, 14: 568.—**Ohno, R.** Biochemische Studien über eine neue Funktion der Lymphocyten in der Darmwand, insbesondere in den Darmfollikeln. *Biochem. Zschr.*, 1930, 218: 206-46.—**Patzelt, V.** Die Entwicklung der Peyer'schen Platten und die Beziehungen des Epithels zum lymphoepithelulären Gewebe. *Wien. klin. Wschr.*, 1933, 46: 461.—**Reitterer, E., & Lelièvre, A.** Origine épithéliale et développement des plaques de Peyer des oiseaux. *C. rend. Acad. sc.*, 1910, 151: 457-9.

Pharmacology.

CUSNIR, M. *Die Wirkung peristaltikerregender Mittel auf den chlorverarmten Dünndarm des Meerschweinchens. 16p. 8° Frankf. a. M., 1936.

STEINMEIER, F. *Vergleichende Untersuchungen im Suprarenin-Ephedrinegebiet am isolierten Dünndarm von Meerschweinchen und Ratte [Erlangen] 17p. 8° Coburg, 1933.

Abbott, W. O., & Pendergrass, E. P. Intubation studies of the human small intestine; the motor effects of single clinical doses of morphine sulphate in normal subjects. *Am. J. Roentg.*, 1936, 35: 289-99.—**Akimoto, K., & Tani, S.** Ueber die Wirkung des Pavinals, Dihydroxycodons und Hydrocotarnins auf den im Körper befindlichen und isolierten Dünndarm des Kaninchens. *Okayama igakkai zassi*, 1933, 45: 1723.—**Beauvallet, M.** Modifications du tonus de l'intestin grêle de pigeon sous l'influence de l'acétylcholine et de l'éphédrine. *C. rend. Soc. biol.*, 1938, 127: 776-8.—**Berkson, J.** Further inquiries into the origin of potential variations of the small intestine by means of certain drugs. *Am. J. Physiol.*, 1933, 105: 450-3.—**Catel, W.** Vergleichende pharmakologische Untersuchungen am normalen lebenden und überlebenden Dünndarm. *Jahrb. Kinderh.*, 1933, 3. F., 89: 277-308.—**Bemerkungen zu der Arbeit von Falck über den Einfluss wasserlöslicher Fettsäuren auf die Dünndarmmotilität.** *Zschr. Kinderh.*, 1936, 58: 574-6 [Erwiderung von J. Falck] 577-80.—**Chang, P., & Hsu, F.** The chemical excitability of the isolated rabbit small intestine. *Q. J. Exp. Physiol.*, Lond., 1941-42, 31: 299-310.—**Elsom, K. A., & Drossner, J. L.** Intubation studies of the human small intestine; the effect of atropine and belladonna on the motor activity of the small intestine and colon. *Am. J. Digest. Dis.*, 1939-40, 6: 589-93.—**Glenn, P. M.** Intubation studies of the human small intestine; the effect of pitressin and of amphetamine (benzedrine) sulphate on the motor activity of the small intestine and colon. *Ibid.*, 593-7.—**Falck, J.** Ueber die mit der Kohlehydratverdauung verbundenen Darmvorgänge; über den Einfluss wasserlöslicher Fettsäuren auf die Dünndarmmotilität des lebenden Meerschweinchens. *Zschr. Kinderh.*, 1936, 58: 204-24.—**Feldberg, W., & Solandt, O. M.** The effects of drugs, sugars and allied substances on the isolated small intestine of the rabbit. *J. Physiol.*, Lond., 1942, 101: 137-71.—**Forster, A. C.** The production of hyper- and hypomotility of the musculature of the small bowel in the human; experimental studies on the: (a) normal peristaltic activity (b) effect of morphine (c) effect of atropine. *Ann. Surg.*, 1940, 112: 370-7.—**Garry, R. C.** Die Wirkung der Hinterlaappensubstanzen auf den peristaltisch tätigen Dünndarm des Meerschweinchens. *Arch. exp. Path., Lpz.*, 1927, 120: 348-50.—**Gotsev, T.** Ueber die Wirkung des Adrenalins auf die Blutgefässe des Dünndarms. *Arch. exp. Path., Berl.*, 1937, 185: 411-7.—**Gray, N. M.** The influence of some organic and inorganic acids on the motility of the small intestine. *Am. J. Digest. Dis.*, 1935-37, 2: 725-9.—**Gruber, C. M., Bryan, W. T. K., & Richardson, L. K.** Response of intact small intestine in

non-anesthetized dogs to cathartic agents, to morphine and atropine. *Proc. Soc. Exp. Biol.* N. Y., 1930-31, 28: 470-2.—**Gruber, C. M., jr., & Gruber, C. M.** Segments of excised small intestine as affected by the sodium salts of thioethamyl, thiopentobarbital, pentobarbital and evipal. *Arch. internat. pharm. dyn.*, Par., 1939, 63: 243-50.—**Inokuti, T., & Ohkawa, J.** Empfindlichkeit des isolierten Dünndarmes des wiederholt mit Adrenalin injizierten Kaninchens Adrenalin und Cholin gegenüber. *Mitt. Med. Akad. Kioto*, 1940, 28: 601.—**Isikawa, S.** Studien über den Einfluss des Reizstoffes auf die Empfindlichkeit des Dünndarmes den Sympathicus- und Parasympathicusgiften gegenüber. *Jap. J. M. Sc.*, 1940, 13: *Proc. Pharm.*, 41-3.—**Karr, W. G., Abbott, W. O., & Sample, A. B.** Intubation studies of the human small intestine; chemical characteristics of the intestinal contents in the fasting state and as influenced by the administration of acids, of alkalies and of water. *J. Clin. Invest.*, 1935, 14: 893-900.—**Kato Kin.** Experimentelle Studien über den Einfluss von hypertonischer Kochsalzlösung auf die Bewegung des Dünndarmes. *J. Chosen M. Ass.*, 1933, 23: 107.—**Kunio, K.** Einfluss der Narkotica auf die Wirkung des Veratrin, Cocain und Pikrotoxin auf den Dünndarm in situ bei Kaninchen. *Okayama igakkai zasshi*, 1935, 47: 899.—**Myers, G. N.** The effects of morphine, diacetylmorphine and some related alkaloids upon the alimentary tract; small intestine and ileo-colic sphincter. *J. Hyg., Lond.*, 1939, 39: 391-404.—**Orr, T. G.** The action of sodium chloride upon the small intestine. *Ann. Surg.*, 1931, 94: 732-7.—**Carlson, H. E.** Effect of morphine on the movements of the small intestine and sphincter muscles. *Arch. Surg.*, 1933, 27: 296-305.—**Sioya, N.** Beiträge zur Pharmakologie des ausgeschnittenen Darmes; über die Wirkungen der verschiedenartigen, Serosa- und Schleimhautfläche oder perivascularär beigebrachten Medikamente auf das ausgeschnittene Dünndarmstück des Kaninchens. *J. Chosen M. Ass.*, 1927, 1076.—**Slaughter, D., & Gross, E. G.** The effect of apomorphine on the movements of the small intestine in unanesthetized dogs. *J. Pharm. Exp. Ther.*, 1938, 63: 289-91.—**Sokolov, J. N., & Zuckermann, M. K.** [Effect of certain pharmacological preparations on the motor activity of the small intestine in man] *Klin. med., Moskva*, 1941, 19: No. 5, 73-8.—**Sollmann, T., von Oettingen, W. F., & Isikawa, Y.** The effects of bicarbonate buffers and of carbon dioxide on the motor functions of the excised small intestines of rabbits. *Am. J. Physiol.*, 1928, 86: 661-74.—**Tada, S.** Einfluss der sogenannten vegetativen Nervengifte auf die Bewegungen des überlebenden Dünndarmes von Kaninchen mit gestörter Schilddrüsenfunktion. *Tohoku J. Exp. M.*, 1930, 15: 419-34.—**Tscherkess, A.** Zum Mechanismus der Morphiumwirkung auf den isolierten Dünndarm. *Zschr. ges. exp. Med.*, 1925-26, 48: 731-50.—**Tyoda, T.** Vergleichende Studien über die Wirkung einiger Purinderivate auf die glattnuskuligen Organe; Versuche am im Körper befindlichen Dünndarm des Kaninchens. *Okayama igakkai zasshi*, 1936, 48: 2314.—**Weinstein, L., & Cowgill, G. R.** Effect of various amino acids on motility of excised segments of the small intestine. *Proc. Soc. Exp. Biol.*, N. Y., 1936, 34: 512-4.—**Yamawaki, H.** Die Empfindlichkeit des Dünndarmes des der Ganglia coeliaca beraubten Kaninchens Adrenalin, Adrenalin und Ephedrin gegenüber. *Mitt. Med. Akad. Kioto*, 1935, 13: 817-36; 14: 323-35.—**Zylberszacs, S.** Action des diphenols sur l'intestin grêle. *Acta brevia neerl.*, 1939, 9: 240.

Physiology.

JUERGENSEHN, E. *Die Wirkung von frischem und defibriniertem Blut auf den Meerschweinchendünndarm [Freiburg] *Sp.* 8: *Lpz.* [1931] Also *Arch. exp. Path.*, Berl., 1931, 162: 739-43.

Alvarez, W. C., & Hosoi, K. A gradient of irritability in the small intestine. *Am. J. Physiol.*, 1929, 89: 182-6.—**Conduction of different parts of the small intestine; distance traversed by a disturbance and rate of travel.** *Ibid.*, 1930, 94: 448-58.—**Berkson, J., Baldes, E. J., & Alvarez, W. C.** Electromyographic studies of gastro-intestinal tract; is there a gradient of electrical potential along the small intestine? *Proc. Soc. Exp. Biol.*, N. Y., 1933, 30: 817-9.—**Feldberg, W., & Kwiatkowski, H.** Das Auftreten eines acetylcholinartigen Stoffes in der Durchströmungsfüssigkeit beim Durchströmen des isolierten Katzedünndarmes. *Arch. ges. Physiol.*, 1934, 234: 333-41.—**Gautier, C.** Le rôle protéogénique de l'intestin grêle. *Bull. Soc. chim. biol.*, Par., 1931, 13: 395-402.—**Golden, R.** Observations on small intestinal physiology in the presence of calcified mesenteric lymph nodes. *Am. J. Roentg.*, 1936, 35: 316-23.—**Gruber, C. M., & DeNote, A.** The effect of different sizes of balloons inserted in the gut and changes in pressure within them upon the activity of the small intestine. *Am. J. Physiol.*, 1935, 111: 564-70.—**Karasek, H.** Beiträge zur Morphologie und Physiologie des Dünndarmes verschiedener Säugetiere, unter besonderer Berücksichtigung der Lieberkühnchen Krypten. *Zschr. Zellforsch.*, 1933, 20: 206-28.—**Leusden, F. P., & Riesser, O.** Untersuchungen über die elektrische Reizung des überlebenden Kaninchendünndarmes. *Arch. exp. Path.*, *Lpz.*, 1927, 120: 77-99.—**Magee, H. E.** The role of the small intestine in nutrition. *Physiol. Rev.*, 1930, 10: 473-505.—**Mengel, H.** Ueber die refraktäre Phase am überlebenden Meerschweinchendünndarm. *Msehr. Kinderh.*, 1936, 65: 88-99.—**Miller, T. G.** Factors in the maintenance of physiological conditions. *Rev. Gastroenter.*, 1937, 4: 115-20.—**Owles, W. H.** Investigations of the func-

tions of the small intestine in man by intestinal intubation. *Clin. Sc., Lond.*, 1937, 3: 21-36.—**Polansky, J. B.** The response of the isolated segment of small intestine (rabbit) to extracts of yeast and other substances during their passage through the lumen. *Am. J. Physiol.*, 1927-28, 83: 488-98.—**Weel, P. B. von.** Beiträge zur Histophysiologie des Dünndarmes; zur Histophysiologie des Dünndarmes vom Frosch. *Zschr. vergl. Physiol.*, 1938-39, 26: 35-66.

Polyp.

Baensch. Seltene Form von Darmpolyp. Röntgenpraxis, 1940, 12: 196.—**Björkroth, T.** Ueber Darmdivertikulationen (nebst einigen Bemerkungen über Polyposis des Dünndarms) *Acta chir. scand.*, 1938, 81: 5-35, pl.—**Brown, R.** Invagination ileus in polyposis of small intestine. *Arch. Surg.*, 1927, 15: 441.—**Gatersleben, H.** Beitrag zur Polyposis des Dünndarms. *Deut. Zschr. Chir.*, 1935, 245: 628-40. Also *Zbl. Chir.*, 1935, 62: 2638.—**Gehrig, R.** Ueber isolierte Polyposis des Zwölffinger- und oberen Dünndarms. *Deut. Zschr. Chir.*, 1927, 207: 286-94.—**Hino, T.** [Studien über die Darmpolypen] *Gann, Tokyo*, 1941, 35: 374-7.—**MacDougall, J. G.** Polypos of the small intestine. *Canad. M. Ass. J.*, 1927, 17: 914-6.—**Mukbil Atakam, A.** Polyposse de l'intestin grêle. *Presse méd.*, 1936, 44: 2065.—**Shaw, E. A.** Polyposis of the small intestine; a report of 5 cases. *Tr. N. England Surg. Soc.*, 1938, 21: 87-104. Also *N. England J. M.*, 1939, 220: 236-41.—**Talia, F., & Ficarra, P.** Sui tumori polipoidi del duodeno e del tenue. *Arch. radiol., Nap.*, 1936, 12: pt 1, 190-220.

Pneumatosis cystoides.

VIEULES, L. *Contribution à l'étude de la pneumatose kystique de l'intestin grêle. 102p. 24cm. [Toulouse] 1938.

Lecercle. Pneumatose kystique de l'intestin grêle. *Mém. Acad. chir., Par.*, 1940, 66: 390-4.—**Pugh, S. H.** Cystic pneumatosis of the small intestine. *Brit. J. Surg.*, 1925-26, 13: 572-4.—**Zaorski, J.** [Gaseous emphysema of small intestines] *Polska gaz. lek.*, 1927, 6: 960.

Radiology.

See also subheadings (Disease; Examination)

Bonneaux, G., & Brunel. Contribution à l'étude radiologique de l'intestin grêle. *Bull. Soc. radiol. méd. France*, 1934, 22: 87-94.—**Brohé, G.** La radiologie de l'intestin grêle. *Liège méd.*, 1939, 32: 417-23.—**Case, J. T.** The x-ray diagnosis of various pathological conditions of the small intestine with special reference to post-operative and post-inflammatory lesions. *Proc. Internat. Postgrad. M. Ass. N. America*, 1934, 47-53.—**Chamberlin, G. W.** The Roentgen anatomy of the small intestine. *J. Am. M. Ass.*, 1939, 113: 1537-41.—**Dehn, O.** Röntgenologische Beobachtungen zur Dünndarmpathologie. *Fortsch. Röntgenstrahl.*, 1927, 36: 1175-80.—**Quelques observations radiologiques sur la pathologie de l'intestin grêle.** *Ann. roentg., Par.*, 1927-28, 3: 108-16.—**Deucher, W. G.** Ueber die röntgenologische Untersuchung des Dünndarms. *Radiol. Clin.*, Basel, 1942, 11: 181-8.—**Elward, J. F.** The roentgen diagnosis of pathological processes of the small bowel. *Am. J. Roentg.*, 1937, 38: 289-96.—**Gallavresi, L.** Studio radiologico di morfologia e di fisiologia dell'intestino tenue normale. *Radiol. med.*, Milano, 1933, 20: 773-805.—**Ghéléw, B., & Mengis, O.** Mise en évidence de l'intestin grêle par une nouvelle technique radiologique. *Presse méd.*, 1938, 46: 444.—**Golden, R.** Roentgen ray examination of the small intestine in nutritional disturbances. *Virginia M. Month.*, 1941, 68: 1-8.—**Goldfarb, S. J.** The roentgen diagnosis of lesions of the small intestines. *N. York State J. M.*, 1934, 34: 500-5.—**Johnson, J. B., & Harrell, H. C.** Roentgen diagnosis of lesions of the small intestine. *Texas J. M.*, 1936-37, 32: 41-5.—**Kuhlmann, F.** Dünndarmstörungen im Röntgenbild. *Fortsch. Röntgenstrahl.*, 1936, 54: 433-69.—**Ergebnisse röntgenologischer Dünndarmuntersuchungen.** *Ibid.*, 1937, 56, Kongr., 40 [Discussion] 42.—**McKnight, J. L.** The pathology of the small bowel, with special reference to x-ray diagnosis. *Radiology*, 1931, 17: 125-30.—**Maissa, P. A.** Radiologia del intestino delgado. *Prensa méd. argent.*, 1938, 25: pt 2, 2147-65.—**Morse, R. W., & Cole, L. B.** The anatomy of the normal small intestine as observed roentgenographically. *Radiology*, 1927, 8: 149-53.—**Mosto, D.** Patologia del intestino delgado; diagnóstico anatómico-patológico. *Arch. argent. enferm. ap. digest.*, 1940-41, 16: 163-249.—**Pannwitz, G. von.** Zur Röntgendiagnostik des Dünndarms. *Röntgenpraxis*, 1937, 9: 11-25.—**Pansdorf, H.** Experimentelle Studien zur Röntgenologie des Dünndarmes. *Erg. med. Strahlenforsch.*, 1931, 5: 21-70.—**Das Röntgenbild bei fraktionierter Dünndarmfüllung und seine klinische Bewertung.** *Fortsch. Röntgenstrahl.*, 1937, 56, Kongr., 41 [Discussion] 42.—**Die fraktionierte Dünndarmfüllung und ihre klinische Bedeutung.** *Ibid.*, 627-34.—**Ueber das Röntgenbild bei fraktionierter Dünndarmfüllung und seine klinische Bedeutung.** *Zbl. Gyn.*, 1937, 61: 1708.—**Pendergrass, E. P.** Roentgen diagnosis of small intestinal lesions. *Texas J. M.*, 1939-40, 35: 528-35.—**Pesquera, G. S. A.** A method for the direct visualization of lesions in the small intestines. *Am. J. Roentg.*, 1929, 22: 254-7.—**Piot, E.** Contribution à l'étude radiologique de l'intestin grêle. *J. radiol.*

electr., 1932, 16: 175-7. — Etude radiologique de l'intestin grêle. *Ibid.*, 1934, 18: 279-85. — **Porcher, P.** Valeur symptomatique des images aériques segmentaires de l'intestin grêle au voisinage du rein et de l'uretère. *Arch. mal. reins*, 1936-37, 10: 141-52. — **Portis, S. A.** The clinical significance of the roentgenologic findings of the small intestine. *Radiology*, 1941, 37: 289-94. — **Rövekamp, T.** Ein Beitrag zur Dünndarmdiagnostik. *Röntgenpraxis*, 1930, 2: 1029-34. — Ein weiterer Beitrag zur Dünndarm-Diagnostik; die Flexura ultima. *Ibid.*, 1933, 5: 413-22. — **Soper, H. W.** The Roentgen-ray diagnosis of lesions of the small intestine. *Am. J. Roentg.*, 1929, 22: 107-19. — Roentgen diagnosis of lesions in the small intestine. *Radiology*, 1933, 20: 76-8. — **Sussman, M. L., & Wachtel, E.** Factors concerned in the abnormal distribution of barium in the small bowel. *Ibid.*, 1943, 40: 128-38. — **Vastine, J. H.**, 2d. X-ray examination of the small intestine. In *Cyclop. Med. (Piersol-Bortz)* Phila., 1940, 13: 64-77. — **Vespignani, A.** Radiologia delle affezioni dell'intestino tenue. *Atti Congr. ital. radiol. med.*, 1932, 10. Congr., pt 1, No. 3, 1-157. — **Wachner, G., & Zolner, S.** Was leistet die Röntgenologie in der Diagnostik der Dünndarmkrankungen? *Zschr. klin. Med.*, 1938, 134: 634-52. — **Weber, H. M.** Roentgenologic manifestations of non-neoplastic lesions of the small intestine. *J. Am. M. Ass.*, 1939, 113: 1541-6. — **Kirklin, B. R.** The roentgenologic investigation of the small intestine. *Med. Clin. N. America*, 1932, 10: 1059-72. — **Weltz, G. A.** Der kranke Dünndarm in Röntgenbild. *Fortsch. Röntgenstrahl.*, 1937, 55. Kongr., 20-40. — Dünndarm. In *Lehrb. Röntgendiag.* (H. R. Schinz, et al.) Lpz., 4. Aufl., 1939, Bd 2, 1773-812. — **Wing, W. M., & Smith, C. A.** Spontaneous and induced sensitivity to foodstuffs; x-ray studies of the small intestine in man and guinea pig. *J. Allergy*, 1942-43, 14: 56-64. — **Zwelling, H.** The roentgenologic pattern of the small intestine in infants and small children. *Am. J. Dis. Child.*, 1942, 64: 954. — **Nelson, W. E.** The roentgenologic pattern of the small intestine in infants and children. *Radiology*, 1943, 40: 277-82.

Sarcoma.

DRIZINS, Z. *Ueber eine besondere Form von Dünndarmsarkom [Basel] 16p. 8° Riga, 1936.

Almeida Toledo, P. de. O sarcoma do intestino delgado. *Rev. As. paul. med.*, 1936, 8: 153-62. 2 pl. — **Best, F.** Ileus infolge Sarkoms des Dünndarms. *Med. Klin.*, Berl., 1940, 36: 334 (Abstr.). — **Busche, H. J.** Beiträge zur Röntgendiagnostik hochsitzennder Dünndarmsarkome. *Röntgenpraxis*, 1934, 6: 141-5. — **Centeno, A. M., Maissa, P. A., & Perazzo, R. R.** Sarcoma del intestino delgado. *Arch. argent. enferm. ap. digest.*, 1938-39, 14: 513-30. Also *Prensa méd. argent.*, 1939, 26: pt 2, 2398-405. — **Chont, L. K.** Sarcomas of the small intestine and reference to their radiosensitivity. *Radiology*, 1941, 36: 86-97. — **Colesanti, G.** Contributo allo studio del sarcoma primitivo del tenue. *Gazz. internaz. med. chir.*, 1937, 47: 315-20. — **Condorelli, L.** Sul sarcoma primitivo del tenue intestino (contributo di ricerche cliniche ed anatomo-patologiche). *Ann. clin. med.*, Pal., 1928, 18: 113-36. — **Craiz, G.** [Primary sarcoma of small intestine] *Cluj. med.*, 1926, 7: 403. — **De Fermo, C.** Sul sarcoma primitivo dell'intestino tenue. *Arch. ital. mal. app. diger.*, 1934, 3: 140-59. — **Di Piero, V.** Il sarcoma dell'intestino tenue (studio clinico ed anatomo-patologico). *Riforma med.*, 1932, 48: 784-91. — **Eerland** [Microcellular sarcoma of the small intestine]. *Geneesk. tschr. Ned. Indië*, 1934, 74: 360; 623. — **Fraenkel, E. M.** Recurrent tumour in a case of a sarcofibroid of the small intestine, removed in 1937. *Proc. R. Soc. M. Lond.*, 1939-40, 33: Clin. Sect., 413. — **Frank, L. W., Miller, A. J., & Bell, J. C.** Sarcoma of the small intestine; report of 4 cases. *Tr. South. Surg. Ass.* (1941) 1942, 54: 64-85. Also *Ann. Surg.*, 1942, 115: 544-65. — **Fullerton, A.** Sarcoma of the small intestine in a boy of 3 years, associated with intussusception of the ileum. *Brit. J. Surg.*, 1925-26, 13: 754-7. — **Gottlieb, C., & Reitman, N.** Leiomyosarcomatosis of the small intestine. *Am. J. Roentg.*, 1939, 41: 363-72. — **Gray, J.** Primary small round-celled sarcoma of the small intestine. *J. Path. Bact.*, Camb., 1934, 38: 7-10. pl. — **Guibal, P.** Sarcome de l'intestin grêle perforé en péritoine libre. *Mém. Acad. chir.*, Par., 1937, 63: 1283-3. — **Hortolomei, N., & Butureanu, W.** Sarcome de l'intestin grêle; résection; guérison; réapparition 7 ans plus tard d'une nouvelle tumeur. *Bull. Soc. nat. chir.*, Par., 1933, 59: 949-53. — **Janssen, H.** Tödliche Blutung aus dem Magen-Darmkanal bei einem Dünndarmsarkom. *Med. Klin.*, Berl., 1940, 36: 1367. — **Jaek, K.** [Multilocular sarcoma of the small intestine in a horse (reticulo-sarcoma multiloculare apparatus lymphatici intestini tenuis equi)] *Przegl. wet.*, 1939, 54: 533-40. — **Kato, H.** Two cases of the primary sarcoma of the small intestine. *Jap. J. M. Sc.*, 1934-36, 4: Surg., 274. — **Knorre, G. von.** Ein Fall von Myosarkom des Dünndarms. *Deut. Zschr. Chir.*, 1935-36, 246: 124. — **Kumano, M.** Ueber einen seltenen Fall von mit Spindelzellensarkom und Krebs kombinierter Mischgeschwulst des Dünndarms. *Mitt. Med. Akad. Kioto*, 1936, 16: 309-12. pl. — **Leveuf, J., & Godard, H.** Les sarcomes cavitaires de l'intestin grêle chez l'enfant. *Ann. anat. path.*, Par., 1936, 13: 1067-84. — **Lewis, D. L.** Two cases of sarcoma of the small intestine with unusual features. *Brit. J. Surg.*, 1938-39, 26: 540-6. — **Lund, F. B.** Melanotic sarcoma of the small intestine. *Tr. N. England Surg. Soc.*, 1929, 12: 216-23, 2 pl. Also *N. England J. M.*, 1929, 221: 1133-6. — **Martin, J. F., Denise, H., & Muller, B.** Un cas de sarcome lymphoblastique de l'intestin grêle chez

un enfant de 6 ans. *Lyon méd.*, 1938, 162: 393-6. — **Mátyás, M.** Fall von invaginiertem Dünndarmsarkom. *Zbl. Chir.*, 1937, 64: 515-9. — **Miller, A. J., & Frank, L. W.** Neurofibrosarcoma of the small bowel; report of 2 cases. *Ann. Surg.*, 1939, 109: 246-56. — **Moir, P. J., & Walker, G. F.** Sarcoma of the small intestine. *Brit. M. J. Lond.*, 1928, 2: 1170. — **Molnár, M.** Primäres Dünndarmsarkom als zweite Krankheit. *Zbl. Chir.*, 1931, 58: 466. — **Monod, R. C., & Arnal, H.** Sarcome de l'intestin grêle perforé en péritoine libre. *Mém. Acad. chir.*, Par., 1937, 63: 1048-51. — **Muney, N.** Sarcoma of the small intestine. *Colorado M.*, 1932, 29: 12-8. — **Muscettola, G.** Sul sarcoma primitivo del tenue; diagnosi radiologica e conferma operatoria. *Ann. radiol.*, Bologna, 1939, 13: 406-34. — **Oettle, E.** Primäres Dünndarmsarkom als Ursache einer Perforationsperitonitis. *Deut. Zschr. Chir.*, 1935, 245: 75-9. — **Ragins, A. B., & Shively, F. L., jr.** Sarcomas of the small intestine. *Am. J. Surg.*, 1940, 47: 96-104. — **Rankine, J. A.** Leiomyosarcoma of the small intestine. *Canad. M. Ass. J.*, 1943, 48: 415-9. — **Renvall, M.** Ein als Myoma uteri diagnostizierter und operierter Fall eines primären Dünndarmsarkoms. *Acta obst. gyn. scand.*, 1937, 17: 119-31. — **Reviskin, S. A.** [Cases of sarcoma of the small intestine] *Vest. khir.*, 1939, 57: 201. — **Robb, D.** Sarcoma of small intestine; report of 3 cases. *Brit. M. J.*, 1929, 2: 1007. — **Rösch, H., & Gerber, J.** Zur Klinik und pathologischen Anatomie des multiplen primären Dünndarmsarkoms. *Deut. Arch. klin. Med.*, 1930, 168: 218-30. — **Samler, L. E.** [A rare case of primary melanosisarcoma of the small intestine] *Nov. khir. arkh.*, 1940-41, 48: 152-4. — **Stabler, F.** Leiomyosarcoma of small intestine. *Newcastle M. J.*, 1940, 20: 45-8. pl. — **Wolinetz, E.** Sur un cas de sarcome de l'intestin grêle. *Concours méd.*, 1940, 62: 1317. — **Wybert, A., & Rodríguez, R. V.** Sarcoma del intestino delgado. *Acción méd.*, B. Air., 1940, 10: 750. Also *Rev. As. méd. argent.* 1941, 55: 443-6.

Secretion.

See also subheading Excretion; also **Intestinal juice.**

Bickel, A., & Wagner, H. I. Der Mechanismus der Dünndarmsekretion beim Menschen und seine Verknüpfung mit der psycho-physiologischen Sphäre auf dem Weg über addierte Reflexe; nach Versuchen am Menschen mit Thyrscher Ileumfistel. *Arch. Verdauungskr.*, 1934, 55: 53-76. — **Cytronberg, S.** Recherches expérimentales sur les fonctions sécrétoires de l'intestin grêle. *Bull. internat. Acad. polon. sc.*, 1930, 323-49. — **Nasset, E. S., & Pierce, H. B.** On the influence of pepsines and certain extracts of small intestine upon the secretion of succus entericus. *Am. J. Physiol.*, 1935, 113: 568-77. — **Rouvière, H., & Valette, G.** Rôle de l'innervation extrinsèque dans la sécrétion de l'intestin grêle. *Bull. Acad. méd.*, Par., 1934, 3. ser., 111: 92-8; 196-8. — Rôle des nerfs dans la sécrétion de l'intestin grêle. *Ibid.*, 112: 125-8.

Spasm.

Durand, G. Sténoses spasmodiques de l'intestin grêle. In *Année méd. prat.*, Par., 1939, 18: 244. — **Moulier, F., & Porcher, P.** Etude radiologique des spasmes non sphinctériens du colon et de l'intestin grêle. *Presse therm. clin.*, 1930, 71: 244-56, 2 pl.

Stenosis.

GOUBERT, J. *Contribution à l'étude radiologique des sténoses de l'intestin grêle. 149p. 8° Par., 1928.

VAUCHER-BÉRARD, L. DE. *Les sténoses de l'intestin grêle d'origine traumatique. 65p. 25cm. Lyon, 1934.

Amberger & Rövekamp. Ein Beitrag zur benignen Dünndarmstenose. *Fortsch. Röntgenstrahl.*, 1929, 40: 58-60. — **Bársony, T., & Koppenstein, E.** Prästenotisches Wabenbild am Dünndarm. *Röntgenpraxis*, 1932, 4: 824. — **Bayer, L.** Das typische Röntgenbild der chronischen Dünndarmstenose. *Fortsch. Röntgenstrahl.*, 1933, 48: 192-8. — **Béclère, H.** Les images abdominales en tuyaux d'orgues ne sont pas pathognomoniques de sténoses chroniques de l'intestin grêle. *Presse méd.*, 1936, 44: 704. — **Bengolea, A. J., & Bazterrica, E.** Estenosis crónicas del yeyuno-ileón. *Bol. Soc. cir. B. Aires*, 1930, 14: 104-15. — **Berger, J., Gally, & Mialaret, J.** A propos des images radiologiques de sténoses du grêle sans obstacle organique (vérification opératoire) *Arch. mal. app. digest.*, Par., 1937, 27: 959. pl. — **Bignani, G.** Aspetti radiologici da stenosi del tenue. *Boll. Soc. med. chir.*, Pavia, 1939, 53: 369-88. — **Bogorolets, I. S.** [Traumatic stenosis of the small intestine] *Radianska med.*, 1939, 4: No. 4, 27-33. — **Bonorio Odoardo, C.** El diagnóstico de las estenosis crónicas e incompletas del yeyuno-ileón. *Prensa méd. argent.*, 1929-30, 16: 645-58. — **Caplan, A., & Roantree, W. B.** Stricture of the small intestine. *Lancet*, Lond., 1939, 1: 689-92. — **Carnot, P.** Le syndrome de Koenig dans les sténoses incomplètes de l'intestin grêle. *Paris méd.*, 1928, 67: 309-15. — **Colanéri, L. J.** La radiologie d'urgence à propos des sténoses du grêle. *Bull. Soc. radiol. méd.*, France, 1937, 25: 417-20. — **Desplas, P.** Perforation de l'intestin grêle au cours de l'évolution d'un rétrécissement fibreux ulcéré de l'organe. *Sem. hôp. Paris*, 1926, 3: 264-6. — **Deutsch, M.** Ein Fall hyperchromer Anämie infolge einer Dünndarmstriktur bei einem Kind. *Med. Klin.*, Berl., 1926, 22: 1145.—

Hellmer, H. Zur Röntgendiagnostik der Dünndarmstrikturen. Acta radiol. Stockholm, 1926, 6: 534-44, 3 pl.—**Judin, S.** Ueber die chronischen Stenosen des Dünndarms. Arch. klin. Chir., 1927, 144: 667-78.—**Lemmel, G.** Beitrag zur röntgenologischen Diagnostik der chronischen Dünndarmstenosen. Röntgenpraxis, 1930, 2: 1034-42.—**Luccioni, F.** Les sténoses du grêle à symptomatologie pyloro-duodénale. Marseille méd., 1934, 71: 600-6.—**Matry.** Occlusion de l'intestin grêle par sténose fibreuse; suites d'un étranglement herniaire. Bull. Soc. nat. chir., Par., 1929, 55: 23-6.—**Nestor, V.** [Nine occlusions of the small intestine caused by cicatricial stenosis; chronic appendicitis; cyst of the right ovary; convalescence after resection of 2.26 m. of the small intestine] Spitalul, 1931, 51: 9-11.—**Niosi, G. S.** Di un caso di stenosi post-traumatica dell'intestino tenue. Arch. ital. anat., 1936, 7: scritti, 339-48.—**Oberthur, H.** Sténose traumatique de l'intestin grêle. Bull. Soc. nat. chir., Par., 1932, 58: 370-5.—**Patel & Desjardes.** Les sténoses traumatiques de l'intestin grêle. J. chir., Par., 1932, 40: 182.—**Patel & Ponthus.** Au sujet de l'examen radiologique des sténoses de l'intestin grêle. Lyon chir., 1933, 30: 71-3.—**Piot, E.** Diagnostic radiologique des sténoses de l'intestin grêle. Presse méd., 1932, 40: 656-8.—**Radushkevich, V. P.** [On stenosis of the small intestine] Khirurgia, Moskva, 1939, No. 6, 132-8.—**Ragnotti, E.** Ricerche sperimentali sulle alterazioni della funzione motoria dell'intestino tenue nei tratti prestenotici. Arch. ital. chir., 1933, 34: 1-38.—**Viannay.** Rétrécissements multiples de l'intestin grêle; entéro-anastomose; guérison. Loire méd., 1929, 43: 451-5.

Strangulation.

Armitage, G. Intestinal obstruction complicating posterior gastrojejunostomy; a case of internal strangulation of the small intestine by the afferent limb. Brit. J. Surg., 1930, 18: 154-61.—**Belov, P. N.** [Internal strangulation of the small intestine after appendicitis] Omsky med. J., 1928, 3: 31-3.—**Branco Ribeiro, E.** Obstrução postoperatória pela insinuação do delgado através da janela jejuno-inframesocólica. Bol. Sanat. S. Lucas, S. Paulo, 1941-42, 3: 73-6.—**Cooper, R. W.** Strangulation of small intestine. Austral. N. Zealand J. Surg., 1931, 1: 325-7.—**Denis, R.** Etranglement de l'intestin grêle derrière une bouche d'anastomose après résection d'estomac. Lyon chir., 1939, 36: 361-6.—**Dónovan.** Infarto o apoplejia del intestino delgado en una hernia estrangulada curada por adrenalina. Bol. Soc. cir. B. Aires, 1938, 22: 403.—**Flechtenmacher, C.** Hernia retroperitonealis mesenterica mit Einklemmung des gesamten Dünndarmes, Resektion des Bruchsackes. Heilung. Zbl. Chir., 1929, 56: 1284-6.—**McBridge, G. V.** Strangulation of the small intestine in a cow. Cornell Vet., 1941, 31: 309.—**MacMurray, W.** Case of strangulation of loop of small intestine by band and volvulus, following acute intussusception 6 weeks previously. Newcastle M. J., 1923-24, 4: 149.—**Petit, G.** Etranglement de l'intestin grêle, chez le cheval, par un lipome abdominal relié à l'iléon. Bull. Soc. centr. méd. vét., Par., 1902, 56: 248.—**Pravia, J. C.** Estrangulamiento de asa delgada en el pabellón de la trompa. Arch. urug. med., 1942, 20: 484-6.—**Quattrocchi, A.** Stenosi intestinale incompleta da strozzamento di un pacco di anse del tenue in una fessura anulare del grande omento. Policlinico, 1933, 40: sez. prat., 1291.—**Solé, R., & Bueno, R.** Infarto o apoplejia del intestino delgado en una hernia estrangulada, curada por adrenalina. Bol. Soc. cir. B. Aires, 1938, 22: 365-74.—**Thévenard.** Occlusion intestinale aiguë par étranglement d'une anse grêle dans l'hiatus de Winslow. Bull. Soc. chir. Paris, 1928, 20: 462-5.—**Utescu, I.** [Strangulation of the small intestine in the horse] Rev. vet. mil., Bueur., 1934, 5: 80-3.

Surgery.

Allen, A. W., & Welch, C. E. Surgery of the small intestine. p.659-753. 25cm. N. Y., 1941.

Finocchio, R. Patologia del intestino delgado; parte quirúrgica. Arch. argent. enferm. ap. digest., 1940-41, 16: 250-60.—**Gros, O.** Spätperforation an dem zuführenden blinden Darme nach Seit-zu-Seit-Anastomose des Dünndarms. Deut. Zschr. Chir., 1930, 222: 115-7.—**Ritter, A.** Folgezustände nach Dünndarm-Dickdarmoperationen. Helvet. med. acta, 1937, 4: 597-620.—**Sosnovtsev, A.** [Surgery of the small intestine] Vrach. gaz., 1926, 30: 150.—**Toro, N.** Processi di guarigione delle ferite da taglio dell'intestino tenue del cane, non suture, trattate con l'avvolgimento in un lembo peduncolato di grande epiploon. Ann. ital. chir., 1931, 10: 304-17.—**Trevani, E.** Zur Frage der postoperativen Komplikationen von seiten des Dünndarms. Mitt. Grenzgeb. Med. Chir., 1933, 1-13.—**Vakar, A. A.** [Function of an isolated section of the small intestine 3½ years after Baldwin's operation.] Russ. klin., 1929, 12: 565-75.—**Zaborowski, F. L.** Abdominal surgery; small intestines. In Cyclop. Med. (Piersol-Bortz) Phila., Serv. Vol., 1941, 687-710.

Surgery: Methods.

Badile, P. L. L'attenuazione biologica del microbismo intestinale nell'esclusione sperimentale chiusa del digiuno e del duodeno. Clin. chir., Milano, 1930, 33: 417-38.—**Bernabeo, V.** L'esclusione circolare del tenue e del colon. Ann. ital. chir., 1935, 14: 631-68.—**Brohé, G.** L'exclusion presque totale

du grêle est-elle compatible avec la vie? Arch. mal. app. digest. Par., 1929, 19: 123-6.—**Caciro, J. A.** Gastrectomia con anastomosis término-lateral gastro-yeyunal precédica. Bol. Soc. cir. B. Aires, 1938, 22: 982-5.—**Dudley, G. S.** Use of the Murphy button in small intestinal anastomosis. Surg. Clin. N. America, 1936, 16: 835-8.—**Inthorn, W.** Das Absaugverfahren, ein Mittel zum Schutz der Haut bei operativ angelegten Dünndarmfisteln. Zbl. Chir., 1934, 61: 2498.—**Kok, D. J.** [Anatomic and physiologic changes of the small intestine after its implantation into the continuity of the rectum] Tsch. diergeneesk., 1930, 57: 938-49.—**Lamp, B.** Die Bestimmung der Verlaufsrichtung und der Höhe von Dünndarmsehlungen. Zbl. Chir., 1934, 61: 853-62.—**Most, A.** Dickdarmersatz durch Dünndarmplastik. Zbl. Chir., 1938, 65: 1602-8.—**Noble, T. B., jr.** Plication of the small intestine; 2d report. Am. J. Surg., 1939, 45: 574-80.—**Paine, J. R.** Preoperative and postoperative treatment of patients with lesions of the small intestine and of the colon. Arch. Surg., 1940, 40: 1083-103.—**Partipilo, A. V.** Surgery of the small intestine; lateral anastomosis. In his Surg. Techn., 3. ed., Chic., 1938, 301-23.—**Surgery of the small intestine; end-to-end anastomosis.** Ibid., 325-36.—**Surgery of the small intestine; enterostomy.** Ibid., 337-43.—**Pasman.** Anastomosis antecólica, post-gastrectomia. Bol. Soc. cir. B. Aires, 1939, 23: 116.—**Pelkonen, E.** Ein plastisches Verfahren zur Deckung von Defekten in der Dünndarmwand. Acta obst. gyn. scand., 1941, 21: 311 [Discussion]—**Rüd, H.** Beobachtungen und Indikationen zur Scheelechen Blasen-Dünndarmringplastik [Abstract] Arch. klin. Chir., 1938, 193: 446-9.—**Tschmarke, G.** Bemerkungen zur Indikation und Technik des operativen Dünndarmfistelverschlusses. Ibid., 1932, 169: 754-73.—**Wichmann, S. E.** Ueber die Peritonisierung von Wundflächen am Dünndarm (Peritonisatio intestini tenuis) Ibid., 1934, 179: 589-98.

Surgery: Resection.

BAUMGARTNER, O. *Ueber ausgedehnte Dünndarmresektionen [Zürich] 52p. 22½cm. Brugg, 1938.

HOFIUS, E. *Ueber ausgedehnte Dünndarmresektionen [Bonn] 30p. 8° Holderberg, 1922.

Banke, K. [Case of mesenteric vascular thrombosis with excision of 435 cm. of the small intestine] Hospitalstidende, 1932, 75: 445-52.—**Barco, P.** Sulle resezioli dell'intestino tenue. Pathologica, Genova, 1937, 29: 292-9.—**Sulle resezioli dell'intestino tenue; contributo allo studio delle eventuali modificazioni strutturali dell'intestino tenue residuo successivo a vari tipi di resezione estese; ricerche sperimentali.** Arch. ital. chir., 1938, 50: 210-21.—**Pastorino, S. L.** Sulle resezioli dell'intestino tenue. Pathologica, Genova, 1935, 27: 285-93.—**Sulle resezioli dell'intestino tenue (ricerche sperimentali sulla lipascemia)** Ibid., 373-83.—**Bérard.** Résection de 2m.05 d'intestin grêle pour tuberculose chirurgicale, chez un sujet ayant déjà subi, 2 ans auparavant, une résection de 40 centimètres. Lyon chir., 1927, 24: 681-3.—**Billi, A.** Sulle resezioli estese del tenue. Arch. ital. mal. app. diger., 1939, 8: 211-60.—**Paoletti Perini, A.** Modificazioni del tratto addominale del tubo digerente dopo ampie resezioli del tenue; parte radiologica. Arch. ital. med. sper., 1939, 4: 617-640.—**Bernstein, F.** Ueber morphologische Veränderungen nach ausgedehnter Dünndarmresektion; ein Beitrag zu den Erscheinungen der funktionellen Anpassung. Virchows Arch., 1933, 291: 921-36.—**Bowen, W. L.** Massive resection of small intestine. Am. J. Surg., 1942, 58: 438-41.—**Brenizer, A. G.** Extensive resection of the small intestine. Tr. South. Surg. Ass., 1928, 41: 307-16. Also Ann. Surg., 1929, 88: 675-81.—**Cathcart, R. S.** Extensive resection of the small intestine. South. M. J., 1928, 21: 471-5.—**Cattell, R. B.** Mikulicz resection of the small intestine. Surg. Clin. N. America, 1934, 14: 1111-7.—**Di Tursi, J.** Resección del intestino delgado: técnica quirúrgica; resecciones extensas y sus límites; anomalías digestiva. Rev. sudamer. endocr., B. Air., 1938, 21: 3-22.—**Garner, E. L., & Bissett, G. W.** Extensive resection of the small bowel following trauma in which 261cm. (102¾ inches) were removed with recovery. Canad. M. Ass. J., 1931, 25: 320-2.—**Giannoni, G.** Ricerche sperimentali sulle alterazioni indotte dalle resezioli dell'intestino tenue, nel fegato, milza, pancreas, rene. Clin. chir., Milano, 1939, 42: 179-95.—**Greeley, P. W., & Greeley, P. E. N.** Successful extensive resections of the small intestine. Illinois M. J., 1935, 67: 451-3.—**Hayasi, M.** Intestinal absorption after major resection of the small intestine. Jap. J. M. Sc., 1934-36, 4: Surg., 280.—**Haymond, H. E.** Massive resection of the small intestine; an analysis of 257 collected cases. Surg. Gyn. Obst., 1935, 61: 693-705.—**Jernald, F. N. C., & Washburn, W. W.** Extensive resection of small intestine; removal of 19 feet of ileum and jejunum. J. Am. M. Ass., 1929, 92: 1827-30.—**Kunz, H., & Molitor, H.** Ueber die Ursachen der Ernährungsstörungen nach ausgedehnten Dünndarmresektionen und ihre Behandlung; der Einfluss vitamin- und lipoidreicher Ernährung. Arch. exp. Path., Lpz., 1928, 132: 50-62.—**Lampert, F.** [Extended resection of the small intestines] Sovet. khir., 1933, 4: 285-91.—**Liesch, E., & Billi, A.** Ricerche sulla funzionalità dell'apparato digerente in un uomo di 19 anni sottoposto ad ampia resezione (83%) dell'intestino tenue; fenomeni di adattamento. Arch. ital. mal. app. diger., 1937, 6: 487-522.—**Luquet, G.** Technique

de quelques procédés d'aboutement de l'intestin grêle dans le gros intestin après résection. Rev. techn. chir., Par., 1931, 23: 197-209.—**Melina, F.** Sulle reseziioni estese d'intestino tenue. Clin. chir., Milano, 1939, 42: 807-14.—**Moura, P., & Lopes, C. X.** Considerações sobre tres casos de ressecção do intestino delgado, reclamadas por afecções diferentes. Pol. med., Rio, 1932, 13: 205-10.—**Nadein, A. P.** [Excision of the small intestine with one clamp] Khirurgia, Moskva, 1937, No. 3, 131-3.—**Noetzel, W.** Ausgedehnte Dünndarmresektion und Spätschicksal zweier Fälle. Arch. klin. Chir., 1936, 185: 599-607.—**Parmenov, V. I.** [Remote sequels of extensive resections of the small intestine] Vest. khir., 1940, 60: 56-9.—**Pate, J. C.** Massive resection of the small intestine; excision of 12 feet 6 inches with recovery. J. Internat. Coll. Surgeons, 1942, 5: 323-6. Also J. Florida M. Ass., 1942-43, 29: 28-31.—**Payr.** Resektionspräparat einer ungefähr 2m langen Dünndarmstrecke, die anlässlich der Operation eines chronischen Adhäsionsileus gewonnen wurde. Klin. Wschr., 1928, 7: 477.—**Plenk, A.** Ueber die Mesenterialdurchtrennung bei der Resektion des Dünndarms. Zbl. Chir., 1932, 59: 1382-5.—**Rose, B. T.** Six cases of resection of the small intestine. Birmingham M. Rev., 1926, n. ser., 1: 309-20, 2 pl.—**Schnitzler** [Dünndarmresektion] Wien. klin. Wschr., 1926, 39: 59.—**Sohn, A.** Zur Frage der Dauerheilung nach ausgedehnten Dünndarmresektionen. Deut. Zschr. Chir., 1927, 201: 263-5.—**Tongs, M. S.** Extensive resection of small intestine; report of a case. Chin. M. J., 1936, 50: 1656-60.—**Tuomikoski, V.** Wie viel kann vom Dünndarm des Menschen entfernt werden, ohne dass sein Leben dadurch gefährdet wird? Acta chir. scand., 1929, 65: 375-82.—**West, E. S., Montague, J. R., & Judy, F. R.** Digestion and absorption in a man with 3 feet of small intestine. Am. J. Digest. Dis., 1938-39, 5: 690-2.—**Wustmann.** Ueber en-bloc-Resektionen des Dünn- und Dickdarms (Krankendemonstrationen) Zbl. Chir., 1936, 63: 2155.

Tonus [incl. dystony]

Borchardt, W. Gibt es nervöse Chemorezeptoren in der Dünndarmschleimhaut? zugleich ein Beitrag über die Einwirkung der Psyche auf Tonus und Bewegung des Dünndarms (nach Versuchen an Hunden mit Vella-Fisteln) Arch. ges. Physiol., 1926-27, 215: 402-26.—**Capua, A.** Le modificazioni del tono dell'intestino tenue. Nuntius radiol., 1937, 5: 81-105.—**Kornblum, K.** The significance of small intestinal stasis. Radiology, 1929, 13: 17-28.—**Vespignani, A.** Sul tono del tenue (le forme costituzionali; la ipotonia; la ipertonica; la distonia) Atti Congr. ital. radiol. med., 1928, 8: pt 2, 136-9.—**La sindrome radiologica della dilatazione atonica segmentaria del tenue.** Arch. ital. mal. app. diger., 1931, 1: 25-66.

Tumor.

VIALLE, P. E. E. *Tumeurs bénignes de l'intestin grêle. 107p. 8° Par., 1933.

Akerlund, A. Zur direkten Röntgendiagnostik der Dünndarmtumoren. Acta chir. scand., 1932, 71: 1-22, 6 pl.—**Bilenko, F. I.** [Cases of tumors of the small intestine] Vrach. delo, 1938, 20: 149.—**Borras, P. E., & Benito, J. V.** Schwannoma de intestino delgado, que simula un gran quiste de ovario. Bol. Soc. obst. gin. B. Aires, 1936, 15: 327-39.—**Capitolo, G.** L'invasione dell'intestino tenue per tumori benigni. Arch. sc. med., Tor., 1936, 62: 393-412.—**Cave, H. W.** Tumors of the small intestine. Ann. Surg., 1932, 96: 269-85.—**Chipail, G., & Azente, C.** Néoplasme de l'intestin grêle; présentation de la pièce. Rev. chir., Bucur., 1938, 41: 492-5.—**Cohn, S., Landy, J. A., & Richter, M.** Tumors of the small intestine. Arch. Surg., 1939, 39: 647-66.—**Dees, J. G., & McGehee, J. L.** Benign tumors of the small intestine; a case report. Mississippi Doctor, 1939-40, 17: 479-81.—**Delagenière, Y., & Beauchef, P.** Tumeur primitive de l'intestin grêle, de nature indéterminée, ayant produit une invagination complète; désinvagination, résection de la tumeur, guérison. Bull. Ass. fr. cancer, 1931, 20: 609-11.—**Doub, H. P., & Jones, H. C.** Roentgenologic diagnosis of tumors of the small intestine. Internat. Congr. Campaign Cancer, 1939, 3. Congr., 184.—**The roentgenologic diagnosis of tumors of the small bowel.** Am. J. Digest. Dis., 1941, 8: 149-54.—**Dudley, H. D.** Vascular tumors of the small intestine with symptoms simulating peptic ulcer. Surg. Clin. N. America, 1934, 14: 1331-7.—**Finochietto, R., & Marino, H.** El tratamiento de las tumoraciones multiples del intestino delgado. Arch. argent. enferm. ap. digest., 1938-39, 14: 634-8.—**Goldberg, S. A.** Unusual neoplasms of the small intestine. Am. J. Path., 1938, 14: 663. Also Am. J. Clin. Path., 1939, 9: 516-28.—**Good, C. A.** Tumefactive lesions of the small intestine. J. Am. M. Ass., 1941, 117: 923-7.—**MacCarty, W. C., jr.** Clinical and roentgenologic manifestations of tumors of the small intestine; review of 35 cases. Proc. Mayo Clin., 1942, 17: 20-2.—**Haggard, W. D., & Floyd, W. O.** Repeated resections for intussusception due to familial tumors of the small intestine. Tr. South. Surg. Ass., 1935, 47: 236-46. Also Am. J. Surg., 1935, 28: 428-38.—**Hundling, H. W.** Tumors of the small intestine. J. Arkansas M. Soc., 1933, 30: 143-8.—**Jalet, J.** Contribution à l'étude des rapports des tumeurs intra-abdominales et de l'intestin grêle. Bull. mém. Soc. radiol. méd. France, 1934, 22: 203-5.—**Joyce, T. M.** Tumors of the small intestine. Tr. Am. Surg. Ass., 1934, 25: 429-39. Also Ann. Surg., 1934, 100: 949-59.—**Kiefer, E. D.** Tumors of the small intestine, with a few remarks concerning

the surgical treatment of small intestinal tumors by Dr Frank H. Lahey. N. England J. M., 1933, 208: 1042-8.—**Klingenstein, P.** Benign neoplasms of the small intestine complicated by severe hemorrhage; report of 2 cases; operative intervention and recovery. J. Mount Sinai Hosp. N. York, 1937-38, 4: 972-9.—**Lefort.** Occlusion intestinale grave par invagination iléo-colique provoquée par une tumeur bénigne; résection et extériorisation des 2 bouts; cure de l'anus. Bull. Soc. chir. Paris, 1934, 26: 153-9.—**Lindahl, G.** Case report of a tumor of the small intestine. Sven. læk. tidn., 1936, 33: 1401-4.—**Luccioni, F.** Les tumeurs bénignes de l'intestin grêle. Marseille méd., 1934, 71: 317; 357.—**Mariantschik, L. P.** Zwei Fälle von äusseren (benignen) Geschwülsten des Dünndarms. Zbl. Chir., 1929, 56: 1362-4.—**Mausnell, R. C. B.** A case of adenoma of the jejunum causing intussusception. Lancet, Lond., 1926, 2: 599.—**Méndez L., A. R.** Sobre un caso de tumores benignos del yeyuno-iléon; encontrados al practicar una laparotomia exploradora. Rev. Fac. med., Bogotá, 1939-40, 8: 300-8.—**Mikhelson, A. I.** [Benign tumors of the small intestines] Sovet. khir., 1933, 4: 572-6.—**Milnor, G. C.** Obstruction of small bowel by endometrioma. Proc. Clin. Honolulu, 1941, 7: 95-9, pl.—**Møller, P. F.** Tre tilfælde af tyndtarmstumorer diagnosticerede ved røntgenundersøgelse. Nord. med., 1941, 11: 2523 (Abstr.)—**Moore, R. M., & Schmeisser, H. C.** Benign tumors of the small intestine. South. M. J., 1934, 27: 386-93.—**Morison, J. E.** Tumors of the small intestine. Brit. J. Surg., 1941-42, 29: 139-53.—**Morrison, W. A., & Donath, D.** Tumors of the small intestine. California West. M., 1941, 55: 235-7.—**Nobre, A.** Perfuração de tumor do intestino delgado. An. paul. med. cir., 1942, 44: 262.—**Oerösi-Pál, Z.** Pathologische Veränderungen (Geschwülste) im Dünndarm der Honigbiene. Zbl. Bakt., 2. Abt., 1937, 96: 338-40.—**Pallasse & Gaumont.** Tumeur de l'intestin grêle Lyon méd., 1926, 137: 763.—**Puccinelli, V.** Tumori dell'intestino tenue. Arch. ital. chir., 1927, 18: 273-313.—**Radaeli, G.** Amartomatosi multipla dell'intestino tenue. Tumori, 1928, 13: 19-29, pl.—**Raiford, T. S.** Tumors of the small intestine; their diagnosis, with special reference to the X-ray appearance. Radiology, 1931, 16: 253-70. Also Arch. Surg., 1932, 25: 122; 321.—**Rankin, F. W., & Grimes, A. E.** Small bowel tumors with special reference to melena. South. Surgeon, 1937, 6: 280-7.—**Rankin, F. W., & Newell, C. E.** Benign tumors of the small intestine; report of 24 cases. Surg. Gyn. Obst., 1933, 57: 501-7.—**Roan, O.** Intussusception due to benign tumors of the small intestine. Texas J. M., 1932, 27: 782-6.—**Roux, J.** Mariage de 2 invaginations ou curieuse observation d'une invagination; observation monstrueuse de l'intestin grêle provoquée par un papillome chez une fillette de 7 ans. Rev. méd. Suisse rom., 1936, 56: 410-4.—**Schönbauer, L., & Bsteh, O.** Die Tumoren des Dünndarms und seiner Anhänge. Wien. med. Wschr., 1931, 81: 218; 261.—**Sladky, F.** [Rare complication of a benign tumor of the small intestine] Cas. lék. česk., 1936, 75: 1379.—**Souppault, R., & Dalsace, J.** Tumeur bénigne de l'intestin grêle avec accidents d'invagination subaiguë. Mém. Acad. chir., Par., 1938, 64: 370.—**Stein, J. J.** Tumors of the small intestine: a review of the literature and report of 8 additional cases. Am. J. Digest. Dis., 1937-38, 4: 517-22.—**Trachtenberg, E. G.** [Case reports and diagnosis of tumors of the small intestine] Klin. med., Moskva, 1938, 16: 1198-201.—**Tunik, G. S.** [Primary tumor of the small intestine] Vest. khir., 1939, 58: 173-6.—**Wachner, G.** Zur Diagnostik der Dünndarmtumoren. Med. Klin., Berl., 1940, 36: 1265.—**Wakeley, C. P. G., & Paul, M. A.** Tumours of the small intestine (excluding the duodenum) Austral. N. Zealand J. Surg., 1931, 1: 227-65, pl.—**Wald, B.** Das Röntgenbild eines banal-entzündlichen Dünndarmtumors. Röntgenpraxis, 1935, 7: 190-2.—**Weber, H. M., & Kriklin, B. R.** Roentgenologic manifestations of tumors of the small intestine. Am. J. Roentg., 1942, 47: 243-53.—**Welbrock, L. A.** Tumors of the duodenum, jejunum and ileum. J. S. Carolina M. Ass., 1931, 27: 300-2.—**Wertheimer & Guillet.** Invagination de l'intestin grêle par tumeur bénigne. Lyon chir., 1938, 35: 611-4.—**Wissenberg, P.** Et tilfælde af tumor i tyndtarmen. Nord. med., 1941, 11: 2525 (Abstr.)

Ulcer.

JARRY, A. F. *Contribution à l'étude de l'ulcère simple de l'intestin grêle, duodénum excepté; à propos de 2 observations inédites. 57p. 25½cm. Par., 1939.

Arrigoni, C. Un caso di ulcera semplice dell'intestino tenue. Policlinico, 1926, 33: sez. chir., 381-6.—**Bigger, I. A.** Simple ulcer of the small intestine. Virginia M. Month., 1926-27, 53: 4-7.—**Cathie, I. A. B.** Ulceration of the small intestine following irradiation of the pelvis; report of 2 cases. Am. J. Roentg., 1938, 39: 895-8.—**Cazenave-Mahé, A.** Contribution à l'étude des ulcères simples du bord mésentérique de l'intestin grêle. J. chir., Par., 1940, 56: 59.—**Cazzamali, P.** L'ulcera semplice del tenue. Osp. maggiore, Milano, 1933, 21: 261-74.—**Christmann, F. E.** Sobre las llamadas úlceras simples del yeyuno-iléon. Rev. cir., B. Air., 1928, 7: 484-522.—**Ulcera perforante por distensión del intestino delgado.** Ibid., 1929, 8: 232-40.—**Cornioley, C.** L'ulcère simple de l'intestin grêle. Rev. méd. Suisse rom., 1930, 50: 91-111.—**David, V.** [Peptic ulcers of the small intestine] Cas. lék. česk., 1930, 69: 392-6.—**Davidovitch, S.** Deux cas d'ulcère perforé de l'intestin grêle suivis de guérison. Mém. Acad. chir., Par., 1937, 63: 1073-6.—**Gutiérrez, V.** Ulcera simple del yeyunoiléon. Rev. cir., B.

Air., 1928, 7: 477-80.—**Jancke, C. E.** Zur Perforation des einfachen Dünndarmgeschwürs. Zbl. Chir., 1929, 56: 1222-4.—**Johnston, L. M.** A specific infection characterized by multiple ulcers of the small intestine. Arch. Int. M., 1936, 58: 978-92.—**Kanagarayer, K.** A note on multiple superficial ulcers of the small intestine. Lancet, Lond., 1928, 2: 16.—**McNerthney, J. B., & McNerthney, W. B.** Multiple ulcerated areas with obstruction of small intestines due to Ascaris lumbricoides. Surg. Clin. N. America, 1928, 8: 1485-8.—**Meves, F.** Röntgengeschwür des Dünndarms. Röntgenpraxis, 1940, 12: 48-53.—**Nard.** Sur un cas d'ulcère simple du bord mésentérique de l'intestin grêle. Bordeaux chir., 1939, 10: 198-201.—**Papin, F.** Ulcère perforé de l'intestin grêle, de nature indéterminée, coexistant avec un carcinome appendiculaire. J. méd. Bordeaux, 1926, 56: 146-9.—**Pernwerth, G.** Tre nuovi casi di ulcus simplex del tenue. Gior. med. Alto Adige, 1930, 2: 679-87.—**Pierangeli, L.** L'ulcera semplice del tenue; perforazione, intervento, guarigione. Arch. ital. chir., 1938, 53: 731-9.—**Popow, A. P.** Ueber das postoperative peptische Geschwür des Dünndarms. Arch. klin. Chir., 1927, 144: 612-25.—**Raiz, A. B.** [Ulcer of the small intestine (ulcus simplex)] Vest. khir., 1937, 52: No. 8, 222-5.—**Sakorraphos, M., & Photakis, B.** Ueber ein solitäres, einfaches Darmgeschwür. Deut. Zschr. gerichtl. Med., 1930, 15: 455-60.—**Salmon, M.** A propos des ulcères du grêle. Bull. Soc. pédiat. Paris, 1937, 35: 102-6.—**Savkov, N. M.** [Peptic ulcer of the small intestine] Vest. khir., 1926, 5: pt 14, 139-56.—**Schilling, H.** [Simple ulcer of small intestine, case with perforation] Norsk mag. lægevid., 1928, 89: 249-57.—**Schliefer, I. G., & Pipko, A. S.** [Roentgen diagnosis of post-operative ulcers of the small intestine] Vrach. delo, 1934, 16: 43-50.—**Scott, M., & Cleland, J. B.** Multiple superficial scarring ulcerations of the small intestine and duodenal scar with pyloric obstruction. Med. J. Australia, 1927, 1: 718.—**Segelman, S. J.** [Simple ulcers of the small intestine] Nov. khir. arkh., 1940-41, 48: 45-8.—**Tosonotti, T.** L'ulcera semplice primitiva del tenue. Policlinico, 1940, 47: sez. chir., 30-40.—**Zeno, A., Santanelli, L., & Ercole, R.** Ulcera simple perforado del yeyuno-ileón. Bol. Soc. cir. B. Aires, 1931, 15: 833-7.

Volvulus.

CORNICHET, R. J. *Volvulus partiel itératif du grêle survenu 9 ans après un premier accident traité par résection intestinale. 31p. 25cm. Par., 1938.

LECLERO, E. *L'occlusion intestinale de l'adulte par volvulus partiel du grêle. 60p. 8°. Par., 1933.

LUGNIER, L. *Contribution à l'étude du volvulus de l'anse ombilicale. 44p. 8°. Par., 1930.

Ball, H. A. On the differential diagnosis of volvulus from other forms of acute mechanical obstruction of the small intestine. California West. M., 1935, 43: 327.—**Barroux, R.** Volvulus pelvien du grêle opéré tardivement et pris pour une occlusion postopératoire de l'étage susmésoclique. J. méd. Bordeaux, 1939, 116: pt 1, 654.—**Basset, A.** Récidive d'un volvulus du grêle dû à un défaut d'accolement du mésentère et compliqué d'étranglement par une bride inflammatoire. Arch. mal. app. digest., 1936, 26: 837-43.—**Bertrand, P., & Clavel, C.** Le volvulus total du grêle sur l'axe mésentérique; considérations anatomiques et cliniques (à propos d'une observation personnelle) Lyon chir., 1929, 26: 351-9.—**Bonamy, R.** Un cas de volvulus intestinal chez un enfant de 8 ans, ayant amené le sphacèle d'un mètre 5 d'intestin grêle. Bull. Soc. chir. Paris, 1928, 20: 870-3.—**Brea, M. M., & Dassen, R.** Volvulus total crónico del intestino delgado y del segmento ceco-cólico ascendente. Bol. Inst. clín. quir., B. Air., 1936-37, 12: 95-101.—**Budzinskaia-Sokolova, S. B.** [Volvulus of the small intestine] Vest. khir., 1938, 56: 443-50.—**Cantin, Y.** Volvulus of the small intestine herniated through an abnormal orifice in the mesentery. Lancet, Lond., 1935, 1: 1216.—**Clavel, C., & Morel, A.** Dix cas de volvulus partiel de l'intestin grêle. Lyon méd., 1936, 158: 309-22.—**Coddington, A. M.** Torsion of the small intestine in a cow. Vet. Med., Chic., 1939, 34: 483.—**Darmaillacq.** Volvulus partiel de l'intestin grêle; résection; rétablissement immédiat de la continuité; iléostomie complémentaire. Bordeaux chir., 1938, 9: 185-7.—**Delagenière, Y.** Deux cas de volvulus post-opératoire du grêle l'un précoce, l'autre tardif; guérison. Bull. Soc. nat. chir., Par., 1927, 53: 1191-8.—**Douglass, T. C.** Volvulus of the small bowel; case report. Proc. Inst. M. Chicago, 1942-43, 14: 88.—**Dunct, C.** Volvulus de l'intestin grêle traité avec succès par la détorsion. J. Egypt. M. Ass., 1933, 16: 583-9.—**Flahaut.** Volvulus du grêle; déchirure du foie; élatement de la rate. Arch. méd. Angers, 1938, 42: 156-9.—**Fortelius, L. G.** [Case of total volvulus of the small intestine] Fin. läk. säll. hand., 1934, 76: 480.—**Gautier, J.** Volvulus du grêle et examen radiologique. Mém. Acad. chir., Par., 1937, 63: 132-5.—**Guibal, J.** Quatre cas de volvulus du grêle. Bull. Soc. nat. chir., Par., 1929, 55: 1417-22.—**Hartigas.** Un cas de volvulus du grêle par un énorme peloton de 132 ascaris; détorsion; fixation à la paroi; guérison. Ibid., 613-5.—**Heise, W.** Volvulus des gesamten Dünndarms und des Colon ascendens. Zbl. Chir., 1935, 62: 382-5.—**Hussein, M. K.** Volvulus of small intestines. J. Egypt. M. Ass., 1934, 17: 512.—**Kennedy, C. C.** Volvulus of

the small intestine. Minnesota M., 1926, 9: 243-7.—**Laizet, H.** Volvulus de l'intestin grêle. Bull. Soc. sc. vét. Lyon, 1902, 5: 78.—**Lawson, T. C.** Volvulus of entire small intestine with torsion of mesentery; case report. California West. M., 1927, 26: 189-91.—**Lerda, G.** Sopra un caso di torsione totale del tenue sul suo mesenterio. Progr. med., Tor., 1905, 4: 99-102.—**Luke, J. C.** Volvulus of the small intestine. Canad. M. Ass. J., 1936, 35: 640-2.—**Lusena, G.** Il volvulo cronico dell'intestino tenue da torsione mesenterica. Arch. ital. chir., 1928, 21: 488-508.—**McKechnie, R. E., & Priestley, J. T.** Volvulus of small intestine; a report of 37 cases. Am. J. Surg., 1936, 34: 286-91.—**McWatters, R. C.** Volvulus of the small intestine. Ind. M. Gaz., 1930, 65: 9.—**Metzger, M.** Volvulus total du grêle chez un nouveau-né. Bull. Soc. obst. gyn. Paris, 1939, 28: 51-3.—**Moulouquet-Doleris, & d'Aubigné, M.** Deux observations de volvulus total de l'anse ombilicale (grêle et moitié droit et du colon) Bull. Soc. nat. chir., Par., 1930, 56: 122-9.—**Muller, P.** Un cas de volvulus colo-sigmoïde hernié à travers le mésentère avec étranglement de la masse de l'intestin grêle par bride mésentérique. Bull. Soc. chir. Paris, 1928, 20: 154-8.—**Nario, C. V.** Volvulus agudos del intestino delgado. Sem. méd. B. Air., 1934, 41: pt 2, 441-7.—**Noda, T.** Two cases of volvulus extending from the upper part of small intestine to colon. Bull. Nav. M. Ass., Tokyo, 1936, 25: 78.—**Oehlecker, F.** Dünndarmvolvulus beiteilweisem Situs inversus. Beitr. klin. Chir., 1933, 158: 515-26.—**Palmen, A. J.** Fall von Darmknoten, ausgedehnte Dünndarmresektion, Nachprüfung der Verdauungstätigkeit. Acta chir. scand., 1925, 58: 179-89.—**Panis.** Volvulus du grêle; importance de la radiographie dans les occlusions. Bull. Soc. nat. chir., Par., 1935, 61: 394.—**Parton, L. I.** Volvulus of the small intestine; report of a case. N. Zealand M. J., 1942, 41: 134.—**Pellé.** Volvulus total de grêle, complication tardive d'une péritonite par ulcus stomacal perforé, détorsion, double résection intestinale, guérison. Arch. méd. pharm. nav., 1927, 117: 253-61.—**Picquet, P., & Bonnezaze, J.** A propos des volvulus du grêle. Bull. Soc. nat. chir., Par., 1934, 60: 1041-4.—**Pupini, G.** Alcune considerazioni su di un caso di volvolo del tenue. Ann. ital. chir., 1932, 11: 1016.—**Rouquès, P.** Occlusion intestinale par torsion de la totalité de l'intestin grêle et de son mésentère. In Oeuvre (Delbet, P.) Par., 1932, 227-32.—**Rouville, G. de, & de Carrera, J. C.** Le volvulus post-opératoire précoce de l'intestin grêle. P. verb. Congr. fr. chir., 1924, 33: 787-96.—**Schöttle, A.** Volvulus des gesamten Dünndarms und eines Teils des Dickdarms bei Mesenterium commune. Deut. Zschr. Chir., 1925-26, 194: 401-7.—**Stalker, L. K.** Volvulus of the small intestine; report of a case. Proc. Mayo Clin., 1939, 14: 168-72.—**Vanverts, J., & Palliez, R.** Volvulus de l'intestin grêle chez une femme enceinte de 5 mois. Bull. Soc. obst. gyn. Paris, 1936, 25: 140-2.—**Weber.** Ascite chyliforme accompagnant un volvulus de l'intestin grêle chez un nourrisson. Bull. Soc. chir. Paris, 1934, 26: 250-3.—**Wybert, A., & Casco, C. M.** Vólculo del intestino delgado. Arch. argent. enferm. ap. digest., 1940-41, 16: 496-9.

INTHORN, Wilhelm, 1905— *Endophlebitis hepatica obliterans unter dem Bilde rheumatischer Wandveränderungen. 40p. 8°. Berl., E. Ebering, 1932.

INTIMA.

See under Blood-vessels.

INTNER, Léon, 1909— *Contribution à l'étude de phlegmons de la base de la langue. 58p. 8°. Par., Ed. Jel, 1934.

INTOE.

See Hallux, valgus.

INTOLERANCE.

See also such headings as Jew; Negro; Race; Religion, etc.

Adamson, M. R. Life or death for the Church in Germany; the persecution of the Catholic Church in the Third Reich. Cath. M. Guard., Lond., 1941, 18: 16-22.—**Politischer (Von)** und anderer Unduldsamkeit. Ethische Kultur, 1893, 1: 213.

INTONATION.

See also Tone; Voice.

Guttman, A. Die Genauigkeit der Intonation beim Instrumentalspiel. Zschr. Psychol. Physiol. Sinnesorg., 2. Abt., 1926-27, 58: 247-62.—**Jellinek, A.** Influence of passive rotation on the intonation of the voice. J. Psychol., Provincet., 1941, 12: 185-90.—**Leux, I.** Stroboskopische Untersuchungen über Intonation beim Gesänge. Naturwissenschaften, 1933, 21: 413-5.—**Trendelenburg, W.** Zur Kenntnis des Vokaleinsatzes und des Glottisschlages. Sitzber. Preuss. Akad. Wiss., phys. math. Kl., 1937, 127-43.

INTOXICANT.

See Poison.

INTOXICATION.

See **Poisoning**; also **Alcohol**, **Intoxication**; **Alcoholism**; **Drug addiction**, etc.

INTRACAINE [Diethoxin]

Sappenfield, R. S., & Rovenstine, E. A. Intracain; its application to spinal anesthesia. *Current Res. Anesth.*, 1940, 19: 48-52.—**Volpito, P. P.** Intracaine in regional anesthesia; a clinical report. *South. M. J.*, 1940, 33: 1029-31.

INTRAVENOUS therapy.

See **Injection**, intravenous; **Therapeutics**.

INTRINSIC factor [of Castle]

See **Anemia**, pernicious, **Extrinsic** and **intrinsic** factor.

INTRITO, Raffaele. Il segreto per dimagrire, cause e cura razionale dell'obesità. 98p. 8°. Noci, E. Cressati, 1915.

INTROJECTION.

See also **Identification**, **Psychoanalytic** aspect; **Libido**; **Melancholia**; **Narcissism**; **Paranoia**.

Ferenczi, S. Zur Begriffsbestimmung der Introjektion. *Zbl. Psychoanal.*, 1911-12, 2: 198-200.—**Fuchs, S. H.** Ueber Introjektion. *Imago*, Wien, 1937, 23: 420-46. Also *Internat. J. Psychoanal.*, Lond., 1937, 18: 269-93.—**Marui, K.** The process of introjection in melancholia. *Ibid.*, 1935, 16: 49-58.—**Matte Blanco, I.** On introjection and the processes of psychic metabolism. *Ibid.*, 1941, 22: 17-36.—**Menninger, K. A.** Introjection. In his *Human Mind*, N. Y., 1937, 283.—**Prochnow, O.** Ueber die Bedeutung und den Inhalt der Introjektion im Rahmen des Psychovitalismus. *Zschr. Entwleher*, 1909, 3: 213-7.

INTROSPECTION.

Campbell, P. A. Body and self, one and inseparable [book review] *Nature*, Lond., 1942, 150: 446.—**De Silva, H. R.** The common sense of introspection. *Psychol. Rev.*, 1930, 37: 71-87.—**English, H. B.** In aid of introspection. *Am. J. Psychol.*, 1921, 32: 404-14.—**Fryer, D.** Post quantification of introspective data. *Ibid.*, 1939, 52: 367-71.—**Grumbine, H. C.** Reflections of an immature introspectionist. *Pedag. Semin.*, Worcester, 1917, 24: 489-502.

INTROVERSION.

See also **Extroversion**; **Introjection**; **Libido**.

CASE, V. Your personality, introvert or extravert? 277p. 22cm. N. Y., 1941.

Blanton, S. Loneliness. *Hygeia*, Chic., 1940, 18: 862-4.—**Coggins, K., Hensley, R., & Mull, H. K.** Introversion and the appreciation of literature. *Am. J. Psychol.*, 1942, 55: 560.—**Fleming, G. W. T. H.** Introverted and extroverted tendencies of schizoid and syntonistic states as manifested by vocation. *J. Ment. Sc.*, Lond., 1927, 73: 233-9.—**Kleiner, S.** Adjustment of a retiring personality. *Ment. Hyg. News, Alb.*, 1932-33, 3: No. 9, 4.—**Laforge, R.** The mechanisms of isolation in neurosis and their relation to schizophrenia. *Internat. J. Psychoanal.*, Lond., 1929, 10: 170-82.—**Menninger, K. A.** The isolation type of personality. *U. S. Nav. M. Bull.*, 1929, 27: 609-20.

INTROZZI, Anibal S. Antecedentes, títulos y trabajos. 19p. 22½cm. B. Air., Tall. gráf. Index, 1942.

For portrait see *Bol. Inst. clín. quir.*, B. Air., 1942, 18: 461.

INTROZZI, Paolo. La trasfusione del sangue; nei suoi effetti biologici e nelle sue indicazioni cliniche. xv, 752p. illust. 8°. Pavia, Cooper, 1937.

INTUBATION.

See such headings as **Anesthetization**; **Diphtheria**, **Treatment**; **Intestine**, **Intubation**; **Larynx**, **Intubation**, etc.

INTUITION [incl. inspiration]

See also **Cognition**; **Instinct**; **Intellect**; **Perception**.

Aaron, R. I. Intuitive knowledge. *Mind*, Lond., 1942, 51: 297-318.—**Barras, L.** Sur l'intuition; des bases pathologiques de certaines formes de l'intuition. *Rev. gén. clin. théor.*, 1934,

48: Suppl., 2028.—**Bertrand, A.** L'intuition bergsonienne. *Arch. anthrop. crim.*, Lyon, 1913, 28: 51-8.—**Birkhoff, G. D.** Intuition, reason and faith in science. *Science*, 1938, 88: 601-9.—**Brill, A. A.** Unconscious insight; some of its manifestations. *Internat. J. Psychoanal.*, Lond., 1929, 10: 145-61.—**Brody, L.** The inter-relations of verbal reasoning, non-verbal reasoning, and intelligence. *J. Educ. Psychol.*, 1940, 31: 285-304.—**Brunschvicg, L.** Intelligence et intuition. *Schweiz. med. Wschr.*, 1935, 65: 894-8.—**Bulbrook, M. E.** An experimental inquiry into the existence and nature of insight. *Am. J. Psychol.*, 1932, 44: 409-53.—**Buttersack, F.** Intuition; extuition. *Deut. med. Wschr.*, 1939, 65: 524-6.—**Claude, H., & Dublineau, J.** Intuitions déliantes, obsessions et syndrome d'action extérieure. *Encéphale*, 1933, 28: 350-71.—**Crannell, C. W.** The effect of equal distribution of runs on insight performance in rats. *J. Psychol.*, Provincet., 1940, 9: 311-21.—**De Sanctis, S.** Intuitions of children. *J. Genet. Psychol.*, 1928, 35: 18-25.—**Dide, M.** Variations psychopathiques de l'intuition durée-étendue. *J. psychol. norm. path.*, Par., 1929, 26: 410-24.—**Drenkhahn, R.** Intuition und Exaktheit bei Forschung, Diagnose und Therapie. *Med. Welt*, 1935, 9: 282-4.—**Ewing, A. C.** Professor Aaron on intuition. *Mind*, Lond., 1943, 52: 51-3.—**Goblot, E.** Expérience et intuition. *J. psychol. norm. path.*, Par., 1928, 25: 721-34.—**De l'intuition.** *Ibid.*, 1932, 29: 337-68.—**Gordon, R. G.** The importance of psychological insight for the medical profession. *Edinburgh M. J.*, 1930, 37: 102-8.—**Hautz, G.** Existirá a intuição clínica? *Rev. med. mil.*, Rio, 1941, 30: 339-49.—**Hermann, I.** Wie die Evidenz wissenschaftlicher Thesen entsteht? *Imago*, Wien, 1923, 9: 383-90.—**Hooton, E.** The gorilla; imitativeness, curiosity, insight. In his *Man's Poor Relations*, N. Y., 1942, 103-5.—**Hutchinson, E. D.** Varieties of insight in humans. *Psychiatry*, Balt., 1939, 2: 323-32.—**The phenomenon of insight in relation to education.** *Ibid.*, 1942, 5: 499-507.—**Kondratovich, O. V.** [Science or intuition?] *Vrach. gaz.*, 1931, 35: 1732-9.—**Kris, E.** On inspiration; preliminary notes on emotional conditions in creative states. *Internat. J. Psychoanal.*, Lond., 1939, 20: 377-90.—**Kuo, Z. Y.** Forced movement or insight? *Univ. California Pub. Psychol.*, 1937, 6: 169-87.—**Lalo, C.** Le conscient et l'inconscient dans l'inspiration. *J. psychol. norm. path.*, Par., 1926, 23: 11-51.—**Leuba, J. H.** Intuition. *Forum*, N. Y., 1928, 79: 694-704.—**Lewis, A.** The psychopathology of insight. *Brit. J. M. Psychol.*, 1934, 14: 332-48.—**Losskij, N.** Der Intuitivismus und die Lehre von der Transsubjektivität der sinnlichen Qualitäten. *Arch. ges. Psychol.*, 1933, 87: 363-432.—**Masson-Oursel, P.** Y a-t-il des équivalents indiens à mettre en parallèle avec les faits ou doctrines de l'occident relatifs à l'extase et à l'intuition intellectuelle? *J. psychol. norm. path.*, Par., 1926, 23: 863-71.—**Meyers, T. J.** The meaning of insight. *Clin. Osteopath.*, 1940, 36: 578-85.—**Nechae, A.** Inspiration. *Arch. ges. Psychol.*, 1929, 68: 165-240.—**Osgood, C. W.** A study of insight of psychiatric patients. *Am. J. Psychiat.*, 1940-41, 97: 152-62.—**Pickford, R. W.** An experiment on insight. *Brit. J. Psychol.*, 1937-38, 28: 412-23.—**Schooley, M., & Hartmann, G. W.** The rôle of insight in the learning of logical relations. *Am. J. Psychol.*, 1937, 49: 287-92.—**Spearman, C.** The battle between intuitionists and psychometrists. *Brit. J. M. Psychol.*, 1934, 24: 403-7.—**Van der Hoop, J. H.** Intuition in medical psychology. *Ibid.*, 1937, 16: 255-69.

INTUSSUSCEPTION.

See under names of hollow or tubular organs as **Intestine**, **Intussusception**, etc.

INULA.

See also **Inulin**.

Go, C. Untersuchungen über die pharmakologische Wirkung der koreanischen Inula helenium L. *Jap. J. M. Sc.*, 1940-41, 13: Pharm., 75-93.—**Gougerot, Burnier & Boule.** Purpura réticulé et eczéma généralisé à la suite d'application de feuille d'aunée (Inula helenium) sensibilisation. *Bull. Soc. fr. derm. syph.*, 1933, 40: 1702-4.

INULIN.

See also **Carbohydrates**, **Types**; **Enzyme**, **Types**; **Inula**; **Kidney**, **Functional** test.

Bendaña, A., & Lewis, H. B. The utilization of inulin for growth by the young white rat. *J. Nutr.*, 1935, 10: 507-15.—**Carr, C. J., & Krantz, J. C., jr.** Utilization of inulin from *Arctium lappa* and certain soluble inulins by the rat. *Proc. Soc. Exp. Biol.*, N. Y., 1934, 31: 675-8.—**Co Tui, Schmitt, M. H.** [et al.] Filtration studies on pyrogenic inulin. *Ibid.*, 1937-38, 36: 227-30.—**Franquet, R.** L'inuline dans les greffes de soleils annuels et de composées vivaces. *C. rend. Acad. sc.*, 1938, 207: 1442-4.—**Goldring, W., & Smith, H. W.** Inulin and its suitability for intravenous administration in man. *Proc. Soc. Exp. Biol.*, N. Y., 1936, 34: 67.—**Guillemet, R., & Leroux, H.** La fermentation de l'inuline par la levure sans hydrolyse préalable; déductions théoriques. *C. rend. Soc. biol.*, 1938, 127: 1307.—**Sur le bilan de la fermentation des glucides par la levure; la fermentation de l'inuline sans hydrolyse préalable; déductions théoriques et pratiques.** *Bull.*

Soc. chim. biol., Par., 1939, 21: 1217-41.—Haywood, C. The permeability of the toadfish liver to inulin, with and without cholericities. Fed. Proc., Balt., 1943, 2: 20 (Abstr.).—Heupke, W., & Ilanckenburg, K. Die Verdauung des Inulins. Deut. Arch. klin. Med., 1933-34, 176: 182-7.—Lüdtke, M. Ueber Inulin-phosphorsäure. Biochem. Zschr., 1929, 212: 475.—Montgomery, T. N. The constitution of inulin; synthesis of 3, 4, 6- and 1, 4, 6-Trimethyl- γ -fructose. J. Am. Chem. Soc., 1934, 56: 419-23.—Narusima, M. Ueber die Hydrolyse des Inulins aus Knoblauch durch Salzsäure. Acta med. Keijo, 1928, 11: 159-65.—Studies on the nutritive value of inulin; on the intensity of digestion of inulin in comparison with starch in the different parts of the digestive tract. J. Chosen M. Ass., 1928, 648.—Pringsheim, H., & Perewosky, R. Zur Kenntnis der Inulase; über Inulin. Zschr. physiol. Chem., 1926, 153: 138-46.—Reilly, J., & Donovan, P. P. Study of the polysaccharides; inulin and inulan. Sc. Proc. R. Dublin Soc., 1928-30, n. ser., 19: 409-14.—Smith, H. W., Chasis, H., & Ranges, H. A. Suitability of inulin for intravenous administration to man. Proc. Soc. Exp. Biol., N. Y., 1937-38, 37: 726-9.—Westfall, B. B., & Landis, E. M. The molecular weight of inulin. J. Biol. Chem., 1936, 116: 727-34.—Yanovsky, E., & Kingsbury, R. M. Solubility of inulin. J. Am. Chem. Soc., 1933, 55: 3658-63.

Determination.

Alving, A. S., Flox, J. [et al.]. Further notes on the colorimetric determination of inulin in blood and urine. J. Lab. Clin. M., 1941-42, 27: 115-8.—Alving, A. S., Rubin, J., & Miller, B. F. A direct colorimetric method for the determination of inulin in blood and urine. J. Biol. Chem., 1939, 127: 609-16.—Harrison, H. E. A modification of the diphenylamine method for determination of inulin. Proc. Soc. Exp. Biol., N. Y., 1942, 49: 111-4.—Hatz, E. B., & Szécsényi-Nagy, L. Bestimmung des Inulins im Harn und Blut mit Hilfe des Stufenphotometers. Biochem. Zschr., 1940, 306: 71-3.—Hubbard, R. S., & Loomis, T. A. The determination of inulin. J. Biol. Chem., 1942, 145: 641-5.—Steinitz, K. A colorimetric method for the determination of inulin in blood plasma and urine. Ibid., 1938, 126: 589-93.—Strepkov, S. M. Eine Mikrobestimmung des Inulins. Biochem. Zschr., 1936, 288: 301.

Renal clearance.

See also Kidney, Functional test.

Barnett, H. L., Perley, A. M., & McGinnis, H. G. Renal physiology in infants and children; inulin clearances in newborn infant with extrophy of bladder. Proc. Soc. Exp. Biol., N. Y., 1942, 49: 90-3.—Berdal, P. [Studies on inulin clearance] Nord. med., 1940, 5: 337-40.—Clarke, R. W., & Smith, H. W. The excretion of inulin and creatinine in *M. rhesus*. Am. J. Physiol., 1936, 116: 28.—Findley, T., & White, H. L. Measurement of diodrat and inulin clearances in man after subcutaneous administration. Proc. Soc. Exp. Biol., N. Y., 1940, 45: 623-5.—Forster, R. P., & Zia-Walrath, P. The absence of active secretion as a factor in the elimination of inulin and other substances by the green gland of the lobster, *Homarus americanus*. Anat. Rec., 1941, 81: Suppl., 128 (Abstr.).—Maluf, N. S. R. Secretion of inulin by the kidney of the crayfish. Proc. Soc. Exp. Biol., N. Y., 1940, 45: 873-5.—Miller, B. F., Alving, A. S., & Rubin, J. The renal excretion of inulin at low plasma concentrations of this compound, and its relationship to the glomerular filtration rate in normal, nephritic and hypertensive individuals. J. Clin. Invest., 1940, 19: 89-94.—Richards, A. N., Westfall, B. B., & Bott, P. A. Experimental efforts to learn whether inulin is secreted by the tubule of the mammalian kidney. Am. J. Physiol., 1936, 116: 128.—Inulin and creatinine clearances in dogs, with notes on some late effects of uranium poisoning. Ibid., 749-55.—Experiments concerning the possibility that inulin is secreted by the renal tubules. Ibid., 1938, 123: 281-98.—Shannon, J. A. The excretion of inulin by the dogfish, *Squalus acanthias*. J. Cellul. Physiol., 1934-35, 5: 301-10.—The excretion of inulin by the dog. Am. J. Physiol., 1935, 112: 403-13.—Smith, H. W., & Clarke, R. W. The excretion of inulin and creatinine by the anthropoid apes and other infrahuman primates. Ibid., 1938, 122: 132-9.—Westfall, B. B., & Hendrix, J. P. The molecular weight of inulin and the mode of its renal excretion in Amphibia. Ibid., 1936, 116: 160.

INUNCTION.

See under Ointment.

INUNDATION.

See Flood.

INVALIDISM.

See also Disability; Sickness, chronic; also under such headings as Hypochondria; Psychoneurosis, etc.

BOUCHARA, E. *Importance de l'observation et du traitement des malades considérés comme chronique. 71p. 8°. Par., 1938.

EDEN, P. H. VAN. Invaliditeitswet en arts. 99p. 23cm. Haarlem, 1919.

Boas, E. P. The chronic and the convalescent patient. Tr. Am. Hosp. Ass., 1927, 29: 182-90. — The physician and the chronic sick. Prev. Med., N. Y., 1936, 6: No. 5, 12-8.—Crothers, B. Mental hygiene as related to chronic illness. J. Lancet, 1940, 60: 208-10.—Green, H. W. An analysis and classification of Cleveland chronics. Nation's Health, Chic., 1927, 9: No. 11, 18-20.—Hart, B., Eastham, T. [et al.] Discussion on the Workmen's Compensation Act as a factor in prolonging invalidism. Proc. R. Soc. M., Lond., 1941-42, 35: 495-504.—Kellogg, J. H. The cure of chronic invalids by regimen and training. Mem. Congr. méd. panamer. (1896) 1898, 2. Congr., 1: 623-56.—Koons, J. R., & Jensen, A. C. Chronic disease patients; giving them an education. Mod. Hosp., 1940, 54: No. 1, 80.—Magg, F. Die Betreuung von unheilbaren Kranken durch den praktischen Arzt. Münch. med. Wschr., 1940, 87: 713-5.—Reuter, P. A. Apparatus for lifting invalids. U. S. Patent Off., 1942, No. 2,272,778.—Richard, G. La peur de la guérison et le refuge dans la maladie. Rev. méd. Suisse rom., 1939, 59: 35-48.—Roth, A. Ueber scheinbar unbeeinflussbare chronische Fälle aus dem Gebiete der inneren Medizin. Münch. med. Wschr., 1936, 83: 1962; 2008.—Schweighäuser, F. Der Begriff der Invalidität in der Reichsversicherung. Aerztl. Sachverst. Ztg., 1935, 41: 261-3.

INVASION [milit.]

See also War; War medicine.

Collection of invasion casualties. Lancet, Lond., 1941, 2: 765.—Hodgson, J. C. Invasion and the district nurse. Nurs. Times, Lond., 1942, 38: 261.—Medical services in invasion. Brit. M. J., 1942, 1: 205.—Ward, G. Network plan for dealing with invasion casualties. Ibid., 1941, 2: 736.

INVENTION.

See also Research; Science; Technics; also under names of sciences.

FELDHAUS, F. M. Lexikon der Erfindungen und Entdeckungen auf den Gebieten der Naturwissenschaften und Technik. 144p. 22½cm. Heidelb., 1904.

Die Technik der Antike und des Mittelalters. 442p. 8°. Wildpark-Potsdam [1931]

UNITED STATES WOMEN'S BUREAU. Bulletin 28: Women's contribution in the field of invention. 51p. 8°. Wash., 1923.

Barnett, H. G. Invention and cultural change. Am. Anthropol., 1942, 44: 14-30.—Bernard, L. L. Invention and social discovery. In his Introd. Sociol., N. Y., 1942, 674-95.—Connolly, A. G. Should medical inventions be patented? Science, 1937, 86: 383-7.—Griffith, I. The day of invention draws to its close. In his Lobscows, Phila., 1939, 411-3.—Hackley, R. C., jr. Invention is vital. Atlantic Monthly, 1942, 170: No. 4, 49-55.—Jones, C. Advance in invention; its relation to world peace. Nature, Lond., 1942, 149: 542-4.—Kaempffert, W. Invention as a social manifestation. In Cent. of Progr. (Beard) N. Y., 1932, 21-65.—Mowrer, E. R. The inventor and the innovator. In his Disorg. Pers. & Social, Phila., 1942, 36-52.—Nicole, C. La biologie de l'invention. Praxis, Bern, 1942, 31: 150; 232.—Vorsenskiöld, E. The American Indian as an inventor. J. R. Anthropol. Inst., Lond., 1929, 49: 273-309.—Weyrauch, F. Zur Priorität neuer Erkenntnisse. Med. Klin., Berl., 1939, 35: 770.

Delusion of invention.

See under Delusional states.

Psychology.

Boda, E. Sur la pensée constructive et l'invention. Rapp. Congr. internat. psychol. (1937) 1938, 11. Congr., 287.—Fox, C. La pensée constructive et l'invention. Ibid., 292.—Loránd, S. A note on the psychology of the inventor. Psychonanal. Q., 1934, 3: 30-41.—Meinecke, G. Herkunftsbeziehungen des Schöpferischen? Zschr. Psychol. Physiol. Sinnesorg., 1. Abt., 1939, 146: 69-100.—Patrick, C. Whole and part relationship in creative thought. Ann. J. Psychol., 1941, 54: 128-31.—Porterfield, A. L. Invention and insight. In his Creat. Fact. Sc. Res., Durham, 1941, 91-5.—Royon, A. Construction perceptive et construction logico-arithmétique de la pensée; étude expérimentale sur la genèse de l'invention. Arch. psychol., Genève, 1940, 28: 83-139.—Szymonski, Z. [Psychology, psychology and psychopathology of invention] Polska gaz. lek., 1929, 8: 396-9.—Vorwahl, H. Zur Psychologie der schöpferischen Persönlichkeit. Zschr. Menschenk., 1934-35, 10: 173-8.

INVERARDI, Giovanni, 1854-99.

Acconci, L. Neurologia. Atti Soc. ital. ostet., 1899, 6: p. lix-lxxi, portr.

INVERSION.

See under names of inverted organs. For sexual inversion see **Homosexuality**.

INVERTASE [Saccharase]

See also **Carbohydrates**, **Chemistry**; **Digestion**; **Intestinal juice**, **Enzyme**; **Sugar**; **Yeast**.

ROHDEWALD, M. *Ueber pflanzliche und tierische Saccharasen. 80p. 8°. Münch., 1929.

Albers, H., & Meyer, I. Absorptionsspektrographische Untersuchung von Saccharasepräparaten. Zschr. physiol. Chem., 1934, 228: 122-40.—Ambard, L., & Trautmann, S. Démonstration de l'existence de différents invertines. C. rend. Soc. biol., 1937, 125: 133-5.—Bernardi, A., & Schwarz, M. A. Ueber das Vorkommen einer Invertase im Kaumagen der Hühner. Biochem. Zschr., 1932, 256: 106-10.—Doby, G., & Hibbard, R. P. Verhalten, insbesondere Ionenaktivierung von Pflanzenenzymen in Abhängigkeit von der Ernährung; über die Saccharase kaliumreicher Zuckerrüben. Ibid., 1926, 188: 139-51.—Doby, G., & Kertész, Z. I. Enzyme und Salzionen; Saccharase kaliumhungerigen Penicilliums. Zschr. physiol. Chem., 1930, 189: 177-92.—Fodor, A., & Epstein, C. Ueber die Regeneration von Saccharase aus gewissen Trägern. Ibid., 1927, 167: 1-16.—Gorbach, G. Ueber die Verwendbarkeit des Zeisschen Eintauchrefraktometers zur Messung der Saccharasewirkung. Biochem. Zschr., 1930, 217: 440-53.—Lerch, K. Ueber den Einfluss des ultravioletten Lichtes auf die Saccharase; die Ultraviolettspektren verschiedenen reiner Saccharasepräparate. Ibid., 1929: 122-35.—Iuracec, L. Sur la présence de l'invertase dans le latex de l'Euphorbia cyparissias L. C. rend. Soc. biol., 1935, 118: 611.—Ivanov, N. N., & Kudrjaveva, M. A. Ueber die Ausscheidung der Saccharase aus den Zellen. Biochem. Zschr., 1929, 212: 241-54.—Kertész, Z. I. Eine neue qualitative Saccharaseprobe. Ibid., 209: 492-4.—Kuhn, R., & Münch, H. Ueber Gluco- und Fructosaccharase. Zschr. physiol. Chem., 1927, 163: 1-72.—Matuoka, K. Ueber antigene Eigenschaften der Hefesaccharase. Jap. J. Exp. Med., 1930, 8: 615-26. Also Zschr. physiol. Chem., 1930, 193: 167-70.—Neuberg, C., & Kobel, M. Ueber die Wirksamkeit einer 19 Jahre lang aufbewahrten Invertaselösung. Biochem. Zschr., 1931, 238: 251.—Paine, H. S., & Balch, R. T. Clerget-Invertase hydrolysis constants of sucrose and raffinose. J. Am. Chem. Soc., 1927, 49: 1019-28.—Sobotka, H., & Bloch, E. Monomolecular films of saccharase. J. Phys. Chem., 1941, 45: 9-19.—Sumner, J. B., & Howell, S. F. A method for determination of saccharase activity. J. Biol. Chem., 1935, 108: 51-4.—Tatibana, T. Physiological investigation of fetus; supplementary research of ferments in digestive organs; invertase in intestinal canal. Jap. J. Obst., 1929, 12: 40-9.—Willstätter, R., Schneider, K., & Wenzel, E. Zur Kenntnis des Invertins. Zschr. physiol. Chem., 1926, 151: 1-30.—Zamysslov, A. [The fate of invertin in normal immune organisms] J. eksp. biol., 1925, 24-30. — & Engelgardt, V. A. [Effect of invertin in normal and immune organisms] Eksp. vet., Moskva, 1926, 2: 74-8.

— Kinetics.

SAUL, E. L. *The influence of proteins on invertase activity [Columbia Univ.] 39p. 8°. N. Y., 1934.

SCHUBERT, M. V. *A study of the immunological properties of highly active yeast invertase preparations [Columbia Univ.] 55p. 8°. N. Y., 1933.

Archbold, H. K. Saccharase activity in the barley plant. Biochem. J., Lond., 1940, 34: 749-63.—Aytonomova, E. Ein Beitrag zur Kinetik der fermentativen Prozesse; über die Kinetik der Invertase. Biochem. Zschr., 1931, 231: 13-24.—Blagoveshchensky, A. V., & Sukernik, M. V. Van't Hoff- und Arrhenius-Koeffizient bei mit Silber-Ionen vergifteter Saccharase. Bull. biol. méd. exp. URSS, 1936, 2: 276.—Bonino, G. A., & Mazzucchetti, V. Sull'azione del radio sull'invertina. Arch. biol., Genova, 1925, 2: 81-94.—Briggs, G. E. The significance of the Michaelis constant for saccharase. Biochem. J., Lond., 1931, 25: 1801-6.—Canals, E., & Gombert, P. Recherches physico-chimiques sur la sucrase (saccharase). Bull. Soc. chim. France, 1928, 4. ser., 43-44: 1137-44.—Colin, H., & Chaudun, A. La loi d'action de la sucrase: eau libre, viscosité et vitesse d'hydrolyse. Bull. Soc. chim. biol. Par., 1929, 11: 258-67.—Euler, H. von, & Josephson, K. Einfluss der Hefenvorbehandlung auf die Affinitätskonstanten der Saccharase. Zschr. physiol. Chem., 1926, 152: 66-87.

Zur Kenntnis der Temperaturaktivierung der Saccharase. Ibid., 254-63. — Einfluss der Hefenvorbehandlung auf die Affinitätskonstanten der Saccharase. Ibid., 153: 10-15. — Ueber die Affinitätsverhältnisse der Saccharase; zur Kenntnis der Aciditätsbedingungen der enzymatischen Rohrzuckerumwertung. Ibid., 155: 1-30.—Gorbach, G., & Lerch, K. Ueber den Einfluss des ultravioletten Lichtes auf die Saccharase; die Rolle von Tryptophan und Hefegummi. Biochem. Zschr., 1931, 235: 259-66.—Gorbach, G., & Ruess, H. Ueber den Einfluss ultravioletten Lichtes auf Hefesac-

charase; das Hefesaccharase aktivierende Strahlengebiet. Ibid., 1935, 280: 213-6.—Hussey, R. G., & Thompson, W. R., The effect of radioactive radiations and X-rays on enzymes; the effect of radiations from radium emanation on solutions of invertase. J. Gen. Physiol., 1925-6, 9: 211-5.—Kertész, Z. I. Wärmetönungskonstante der Hefesaccharase in unterkühlten Lösungen. Zschr. physiol. Chem., 1933, 216: 229-32. — Water relations of enzymes; influence of viscosity on invertase action. J. Am. Chem. Soc., 1935, 57: 345-7. — Water relations of enzymes; water concentration required for invertase action. Ibid., 1277-9. — Note on invertase activity in identical mixtures in the liquid and frozen state. Ibid., 1942, 64: 2577.—Kőzaki, T. Thermal analysis of the invertase action. Jap. J. Gastroenter., 1935, 7: 135-72. — Studies on invertase; a theoretical consideration of the invertase action. Ibid., 173-8.—Lardy, H., & Anderson, T. F. The effect of colored ions on the photo-inactivation of invertase. Science, 1942, 95: 330.—Manchester, T. C. Note on the acceleration and retardation of invertase activity. J. Biol. Chem., 1939, 130: 439-41.—Michaelis, L. Die Bedeutung des Massenwirkungsgesetzes für die Kinetik der Saccharase. Zschr. physiol. Chem., 1926, 152: 183-8.—Nelson, J. M., & Anderson, R. S. Glucose and fructose retardation of invertase action. J. Biol. Chem., 1926, 69: 443-8.—Nelson, J. M., & Larson, H. W. Kinetics of invertase action. Ibid., 1927, 73: 223-36.—Nelson, J. M., & Palmer, A. H. Diffusion of yeast invertase through collodion membranes. Ibid., 1930, 87: 1-6.—Nelson, J. M., & Papadakis, P. Inactivation of invertase and raffinase by heat. Ibid., 1928, 80: 163-6.—Nelson, J. M., & Wilkes, B. G. Similarity of the kinetics of invertase action in vivo and in vitro. J. Gen. Physiol., 1933, 16: 571-7.—Pringsheim, H., & Loew, F. Ueber die Spezifität der Saccharasen. Ibid., 1932, 207: 241-7. — & Borchardt, H. Ueber die Spezifität der Saccharasen. Zschr. physiol. Chem., 1931, 202: 23-31.—Rubin, B. A., Arcikhovskaia, E. V., & Spiridonova, N. S. Daily rhythm in the action of invertase and its dependence on illumination. C. rend. Acad. sc. URSS, 1942, 31: 917-20.—Saul, E. L., & Nelson, J. M. The influence of proteins on the activity of yeast invertase. J. Biol. Chem., 1935, 111: 95-103.—Sizer, I. W. The activity of yeast invertase as a function of oxidation-reduction potential. J. Gen. Physiol., 1941-42, 25: 399-409. — Wagreich, H., Halpert, W., & Hirschman, A. The influence of amino acids on the reactivation of yeast invertase. Ibid., 1942-43, 26: 479-83.—Wagreich, H., Schwartz, L. I., & Kamin, H. The influence of proteins on the reactivation of yeast invertase. Ibid., 1941-42, 25: 207-13.—White, T. A. Invertase action as a heterogeneous reaction. J. Am. Chem. Soc., 1933, 55: 556-68.—Wilkes, B. G., & Palmer, E. T. Similarity of the kinetics of invertase action in vivo and in vitro. J. Gen. Physiol., 1932, 16: 233-42.

— Preparation and purification.

LUTZ, J. G. *The preparation of yeast invertase [Columbia Univ.] 33p. 8°. N. Y., 1934.

PALMER, E. T. *A comparative study of invertase preparations from sources. 45p. 8°. N. Y., 1932.

Adams, M., & Hudson, C. S. Factors influencing the use of bentonite in the purification of invertase. Proc. Am. Soc. Biol. Chem., 1941, 35. meet., 3. — Bentonite as an adsorbent in the purification of invertase. J. Am. Chem. Soc., 1938, 60: 982. — Factors influencing the use of bentonite in the purification of invertase. J. Biol. Chem., 1941, 140: Proc., 3.—Eules, H. von, & Svanberg, O. Versuche zur Darstellung hochaktiver Saccharasepräparate; über den Phosphorgehalt gereinigter Saccharaselösungen nach erschöpfender Dialyse und über Mikrobestimmungen des Phosphors. Zschr. physiol. Chem., 1921, 112: 282-94.—Grassmann, W., & Peters, T. Zur Freilegung des Invertins aus der Hefe. Ibid., 1932, 204: 135-48.—Kőzaki, T. Studies on invertase; a new modified method for the isolation and purification of invertase. Jap. J. Gastroenter., 1935, 7: 125-34.—Lutz, J. G., & Nelson, J. M. Preparation of highly active yeast invertase. J. Biol. Chem., 1934, 107: 169-77.—Richmyer, N. K., & Hudson, C. S. Zinc sulfide as an adsorbent in the purification of invertase. J. Am. Chem. Soc., 1938, 60: 983.—Svanberg, O. Die Methoden zur Darstellung von Saccharase (Invertin) Präparaten. In Handb. biol. Arbeitsmeth. (Abderhalden) Berl., 1936, 4: pt 1, 251-8.—Willstätter, R., & Rohdewald, M. Zur Freilegung des Invertins aus der Hefe; über den Zustand der zuckerspaltenden Enzyme in der Hefezelle. Zschr. physiol. Chem., 1932, 209: 38-48.

INVERTEBRATA.

See also **Animals**; **Zoology**; also names of invertebrate animals.

ALLEE, W. C. Evolution and behavior of the invertebrates. p.294-346. 23cm. Garden City, N. Y., 1937.

BORRADAILE, L. A., & POTTS, F. A. The Invertebrata; a manual for the use of students. 645n. 8°. Cambr., 1932.

BUCHSBAUM, R. [M.] Animals without backbones. 371p. 23½cm. Chic. [1938]

CARTER, G. S. A general zoology of the invertebrates. 509p. 22cm. N. Y., 1940.

CLARKE, F. W., & WHEELER, W. C. The inorganic constituents of marine invertebrates. 2. ed. 62p. 4°. Wash., 1922.

GALTISOFF, P. S., LUTZ, F. E. [et al.] Culture methods for invertebrate animals; a compendium prepared cooperatively by American zoologists under the direction of a committee from Section F of the American Association for the Advancement of Science. 590p. 8°. Ithaca, N. Y., 1937.

GEIGER, H. * Ein Beitrag zur Kenntnis der Mollusken- und Würmfauna der Wielenbacher Weiher. 6p. 8°. Münch. [1920]

HYMAN, L. H. The invertebrates: protozoa through Ctenophora. 726p. 23½cm. N. Y., 1940.

LELU, P. Les corrélations humorales chez les invertébrés. 81p. 21cm. Par., 1938.

BATEMAN, J. B. Osmotic and ionic regulation in the shore crab, *Carcinus maenas*, with notes on the blood concentrations of *Gammarus locusta* and *Ligia oceanica*. J. Exp. Biol., Lond., 1933, 10: 355-71.—CHAPPEAU, M. Recherches sur la métabolisme cellulaire de quelques invertébrés marins. C. rend. Soc. biol., 1932, 110: 970.—CHAUCHARD, A., & CHAUCHARD, B. Résumé des recherches faites sur l'excitabilité de quelques invertébrés marins. Bull. Sta. biol. Archon, 1922, 19: 5.—ERMAKOV, N. V. [Chemical mediation in invertebrates] Usp. sovrem. biol., 1941, 14: 79-88.—FLORENCE, L. Rearing hog lice on man. In Cult. Meth. Invertebr. (Galtsoff, P. S., et al.) Ithaca, 1937, 296-8.—HOGUE, M. J. Notes on culturing certain protozoa and a spirochaete found in man. Ibid., 65-8.—HOSOI, K. The exchange of calcium ion and water between sea-anemones and the surrounding medium. Tohoku Univ. Sc. Rep., 1935, 10: 377-86.—JENNINGS, H. S. Senescence and death in invertebrates. In Probl. Ageing (Cowdry, E. V.) 2. ed., Balt., 1942, 41-6.—KIND, C. A., & BERGMANN, W. Contributions to the study of marine products; the occurrence of octadecyl alcohol, batyl alcohol, and cetyl palmitate in gorgonias. J. Org. Chem., 1942, 7: 424-7.—KOLLER, G. Versuche an marinen Wirbellosen über die Aufnahme gelöster Nährstoffe. Zschr. vergl. Physiol., 1929-30, 11: 437-47.—KRÜGER, P. Wirbellose. In Handb. Biochem. (Oppenheimer, C.) 2. Aufl., Jena, 1936, Ergänz. 3: 41-74.—LEDINGHAM, I. C., & WELLS, G. P. Narcotic for marine invertebrates. Nature, Lond., 1942, 150: 121.—LUTZ, F. E., WELCH, P. S., & NEEDHAM, J. G. Collecting and rearing terrestrial and freshwater invertebrates. In Cult. Meth. Invertebr. (Galtsoff, P. S., et al.) Ithaca, 1937, 40-50.—PACKARD, E. L. Studies on relation of invertebrate faunas to geological history of John Day Region of Oregon. Yearb. Carnegie Inst. Washington, 1940 (1939/40) 39: 295.—PASTELS, J. J. Recherches sur le déterminisme de l'entrée en maturation de l'œuf chez divers invertébrés marins. Arch. biol., Liège, 1935, 46: 229-62.—POLICARD, A. La pathologie des invertébrés; à propos d'un livre récent. Bull. histol. appl., Lyon, 1933, 10: 320-4.—RICHARDS, H. G., & HARBISON, A. Miocene invertebrate fauna of New Jersey. Proc. Acad. Nat. Sc. Philadelphia, 1942, 94: 167-250, 16 pl.—RIESSER, O. Fortgesetzte pharmakologische Untersuchungen an den Muskeln wirbelloser Meerestiere. Arch. exp. Path., Berl., 1933, 172: 194-212.—ROXAS, H. A. A résumé of the contributions to the knowledge of Philippine marine Invertebrata. Rep. Nat. Res. Council. Philippine Island, 1935, 428-36.—SNIDER, G. G. A note on Banta's culture medium. In Cult. Meth. Invertebr. (Galtsoff, P. S., et al.) Ithaca, 1937, 211.—STOLTE, H. A. Die Herkunft des Zellmaterials bei regenerativen Vorgängen der wirbellosten Tiere. Biol. Rev. Cambridge Philos. Soc., 1936, 11: 1-48.—STROHL, J. Revue générale de physiologie des invertébrés. Rev. gén. sc. pur., 1914, 25: 595-610.—WAGLER, E. Zucht von Krebsen und Würmern. In Handb. biol. Arbeitsmeth. Abderhalden (E.) Berl., 1925, Abt. 9, Teil 2, 319-58.—WILLIAMS, C. M. A method for studying living mosquito larvae and other small aquatic invertebrates. Science, 1939, 89: 21.

INVERTIN.

See Invertase.

INVERTOSE.

See also Carbohydrates, Types; Levulose; Sugar.

HUTTER, K. Ueber intravenöse Dauer-Tropf-Infusion mit Kaloroselösung. Wien. klin. Wschr., 1927, 40: 493.—ISAAC, L. High viscosity invert sugar; a new sugar solution for a more efficient treatment of varicose veins. Med. Rec., N. Y., 1938, 147: 307-9.—LABORDE, J. Les pouvoirs rotatoires du lévulose et du sucre inverti; application à l'analyse des matières sucrées

alimentaires. Ann. falsif., Par., 1913, 6: 650-60.—LING, A. R., & CARTER, W. A. The volumetric determination of reducing sugars; invert sugar. Analyst, Lond., 1930, 55: 730-4.—MEYER, F. G. Ueber Calorose (Invertzucker) Infusionen. Med. Klin., Berl., 1924, 20: 1772.—NAGORSSEN, Ein Fall plötzlichen Herztodes bei einer intravenösen Caloroseinfusion. Zbl. Chir., 1930, 57: 3175.—SACKI, F. Ueber die therapeutische Anwendung von Invertzucker (Calorose) insbesondere bei Herzkrankheiten. Dent. med. Wschr., 1922, 48: 1276.—STERKINA, E. Y. [Use of invert sugar therapy instead of dextrose therapy] Vrach. delo, 1931, 14: 1148-50.

INVOLUTION.

See Age; Bacteria, Life cycle; Bacteria, Variability; Brain, Senile involution; Climacteric; also under names of organs and tissues.

WEBER, H. Ueber Krankheiten der Rückbildungsjahre und des Alters. 89p. 26cm. Jena, 1939.

ALLEN, E. B. Changes in psychology necessitated by involution. South. M. & S., 1942, 104: 441-8.—MARIANI, R. Enrico Marconi e la priorità delle sue idee sulla involuzione naturale. Umbria med., 1934, 14: 2517-21.—MATTEI, G. E. Nuova teoria biologica (l'involuzione) Ibid., 1935, 15: 2701: 2724; 2736; 2752. Nuove interpretazioni ontogenetiche in rapporto all'involuzione. Ibid., 1939, 19: 3610-4.—SCHULTZ, I. II. Das Endgültigkeitsproblem in der Psychologie des Rückbildungsalters. Zschr. ges. Neur. Psychiat., 1939, 167: 117-26. Also Allg. Zschr. Psychiat., 1940, 114: 175.

INVOLUTIONAL psychosis.

See also Climacteric; Depressive state; Menopause; Psychosis, Etiology.

JABLONSKI, G. A. *Klimakterielle Psychosen [Königsberg] 25p. 8°. [Hannover] 1926.

ANASTASOPOULOS, G. Die Grundlagen des Wahnes bei den involutiven Geistesstörungen. Mschr. Psychiat., 1939, 101: 180; 209.—BISCHOF, G. Die erblichen Beziehungen der Psychosen des Rückbildungsalters. Zschr. ges. Neur. Psychiat., 1939, 167: 105-16. Also Allg. Zschr. Psychiat., 1940, 114: 173-5.—BRAUNMÜHL, A. von. Die psychischen Störungen des Rückbildungsalters; anatomischer Teil. Zschr. ges. Neur. Psychiat., 1939, 167: 78-104.—BRUSSEL, J. A. Determining the prognosis of the involutional psychoses. Psychiat. Q., 1940, 14: 301-6.—BÜRGER, KEHRER & BRAUNMÜHL. Die psychischen Störungen des Rückbildungsalters. Allg. Zschr. Psychiat., 1940, 114: 168-73.—CARRATA, R., & GARRÉ, O. A. Psicosis de la menopausa. Rev. psiquiat. crim., B. Air., 1940, 5: 485-500; 1941, 6: 653.—CHESS, S. J. What is your diagnosis? Marquette M. Rev., 1941-42, 6: 166-9.—DICKMEISS, P. [Mental climacteric diseases; katamnestic investigations] Nord. med., 1940, 7: 1476.—FILSKOV, A. [Frequency of psychoses during menopause] Ugeskr. laeger, 1938, 98: 235-7.—GIBSON, E. T. A clinical summary of 106 cases of mental disorder of unknown etiology arising in the 5th and 6th decades. Proc. Am. Med. Psychol. Ass., 1918, 74: 223-51.—HORST, L. van der. Die Psychopathologie der Involutionpsychosen. Psychiat. neur. bl., Amst., 1929, 33: 387-405.—JONES, S. E. Mental disorders of the climacteric of women. Med. J. Australia, 1927, 2: 282-91.—KEHRER, F. Die krankhaften psychischen Störungen der Rückbildungsjahre vom klinischen Standpunkt aus. Zschr. ges. Neur. Psychiat., 1939, 167: 35-78.—LUCENA, J. Evolução regressiva de perturbações mentais na idade involutiva. Neurobiologia, Recife, 1940, 3: 302-14.—MOORHEAD, T. G. Menopausal insanity and bacterial toxæmia. Brit. M. J., 1932, 1: 923-8.—SCHATIA, V. The Master Builder [Ibsen] a case of involutional psychosis. Psychoanal. Rev., 1940, 27: 311-8.—VICENTE DE AZEVEDO, V. P. Um caso de imputabilidade concomitante a menopausa. Arch. Soc. med. leg. S. Paulo, 1939, 10: 84-6.

Melancholia.

See also Melancholia.

COULÉON, H. *La mélancolie présénile. 96p. 8°. Par., 1935.

ABÉLY, P. Le mélancolie pancréatique (d'une forme fréquente de la mélancolie d'involution) Ann. méd. psychol., Par., 1930, 88: pt 2, 300-11.—ALZINA MELIS, J. Sobre la melancolia presenil. Ars medica, Barcel., 1930, 6: 232.—AULT, C. C., HOCTOR, E. F., & WERNER, A. A. Theelin therapy in the psychoses; effect in involutional melancholia and as an adjuvant in other mental disorders. J. Am. M. Ass., 1937, 109: 1786-8.

Involutional melancholia; additional report. Am. J. Psychiat., 1940-41, 97: 691-4.—BARAHAI, H. S. Testosterone in male involutional melancholia; preliminary report. Psychiat. Q., 1938, 12: 743-9.—BAUGH, L. D. H. Vera and præsénilis melancholia at the female climacteric. Brit. M. J., 1908, 2: 826.—BIANCHINI, M. L. Il trattamento delle malinconie endogene ed involutive con la ematoporfirina (photodyn) Arch. gen. neur., Nocera, 1934, 15: 105-15.—BOWMAN, K. M., & BENDER, L. The treatment of involution melancholia with ovarian hormone. Am. J. Psychiat., 1932, 11: 867-93.—

Brockhausen, K. Ueber erbbiologische Untersuchungen involutiver Psychosen, insbesondere über erstmalig in der Involution auftretende reine Melancholien. *Zschr. ges. Neur. Psychiat.*, 1937, 157: 17-34.—**Bya.** Le pronostic de la mélancolie d'involution. *Scapell, Liège*, 1906-7, 59: 391.—**Coulonjou, E.** Mélancolie anxieuse de la ménopause; traitement par la morphine; guérison sans internement. *Languedoc méd. chir.*, 1905, 13: 35-45.—**De Angelis, P.** Melanconia e psicosi d'involutione. *Boll. Casa di Salute Fleurent, Nap.*, 1905, 22: 1-8.—**Deny & Landry.** Mélancolie sénile, athérome aortique et gangrène symétrique des membres inférieurs. *Ann. méd. psychol. Par.*, 1907, 9, ser., 5: 303-9.—**Dynes, J. B.** Estrogenic therapy of involutional melancholia. *Arch. Neur. Psychiat.*, Chic., 1939, 42: 248-59.—**Everett, E. A.** A brief consideration of involutional melancholia with an illustrative case. *N. Am. J. Homeop.*, 1907, 60: 307-12.—**Eyman, E. V.** Forster, F. M. [et al.] A statistical survey of the biogenesis of involutional melancholia. *Dis. Nerv. Syst.*, 1942, 3: 16-20.—**Foley, H. A.** Involutional melancholia; psychiatric survey. *Nova Scotia M. Bull.*, 1941, 20: 193-6.—**Gravstein-Briedé, F.** & **Stuurmann, F. J.** Körperbau und Charakteruntersuchungen bei melancholischen Frauen im klimakterischen und präsenilen Alter. *Zschr. ges. Neur. Psychiat.*, 1928, 116: 570-604.—**Grotjahn, M.** Psychiatric observations in a case of involutional melancholia treated with metrazol. *Bull. Menninger Clin.*, 1939, 3: 122-5.—**Grozin, M.** Involution melancholia. *Med. Rev. of Rev.*, 1931, 37: 397-402.—**Halberstadt, G.** La mélancolie présénile et ses variétés cliniques. *Ann. méd. psychol. Par.*, 1928, 86: pt 2, 307-25.—**Hays, R. R.** Treatment of involutional melancholia. *Ohio M. J.*, 1939, 35: 710-2.—**Hemphill, R. E.** & **Reiss, M.** Investigations into the significance of the endocrines in involutional melancholia. *J. Ment. Sc.*, Lond., 1940, 86: 1065-77.—**Henderson, D. K.** The affective reaction type (manic-depressive) including involutional melancholia. In *Oxford Med. (Christian, H. A.)* N. Y., 1936, 7: 425-567.—**Hübner.** Ueber die klinische Stellung der Involutionmelancholie. *Psychiat. neur. Wschr.*, 1907-8, 9: 131.—**Kohler, L. H.** Effect of testosterone propionate in involutional melancholia in the male. *Week. Bull. S. Louis M. Soc.*, 1938-39, 33: 442.—**Langer, A.** A senilis korban fellépő melancholiás depressio prognosáról. *Elme & idegkört.*, 1905, 239-45.—**Ligterink, J. A. T.**, **Simons, C.**, & **Speijer, N.** [Effect of Pernaemon on cholesterinemia, and mental picture of involution melancholia] *Ned. tschr. geneesk.*, 1937, 81: 768-70.—**Lyerly, J. G.** Prefrontal lobotomy in involutional melancholia. *J. Florida M. Ass.*, 1938-39, 25: 225-9.—**Malzberg, B.** Mortality among patients with involutional melancholia. *Am. J. Psychiat.*, 1936-37, 93: 1231-8.—**Morgan, H. P.** Involutional melancholia. *Med. Bull. Veterans Admin.*, 1931, 7: 933-6.—**Naka, S.**, **Yoneyama, T.** [et al.] Zur Pathologie und Therapie der praesenilen Melancholie. *Fukuoka acta med.*, 1935, 28: 46-53.—**Notkin, J.**, **Dennes, B.**, & **Huddart, V.** Folliculin menformon (theelin) treatment of involutional melancholia. *Psychiat. Q.*, 1940, 14: 157-66.—**Palmer, H. D.**, **Hastings, D. W.**, & **Sherman, S. H.** Therapy in involutional melancholia. *Am. J. Psychiat.*, 1940-41, 97: 1086-115.—**Palmer, H. D.**, & **Jardon, F. J.** Hereditary patterns in involutional melancholia. *Arch. Neur. Psychiat.*, Chic., 1941, 46: 740-3.—**Palmer, H. D.**, & **Sherman, S. H.** The involutional melancholia process. *Ibid.*, 1938, 40: 762-88.—**Parhon, C.** Un cas de mélancolie avec hypertrophie thyroïdienne succédant à la ménopause. *Rev. neur., Par.*, 1906, 14: 640-4.—**Rothermich, N. O.**, **Postle, B.**, & **Foltz, L. M.** Altered concept of therapy of involutional melancholia with estrogen and androgen. *Arch. Neur. Psychiat.*, Chic., 1941, 45: 752-68.—**Schnitzberger, H.** Die Erblage in der nächsten Verwandtschaft von 30 Fällen klimakterischer beziehungsweise involutiver Melancholie. *Zschr. ges. Neur. Psychiat.*, 1937, 159: 11-23.—**Schube, P. G.** **McManamy, M. C.** [et al.] Involutional melancholia; treatment with theelin. *Arch. Neur. Psychiat.*, Chic., 1937, 38: 505-12.—**Séglas, J.** Mélancolie intermittente: 3 accès du type dépressif simple, quatrième accès du type anxieux et délirant; involution sénile; chronicité avec affaiblissement intellectuel; stéréotypies. *Encéphale*, 1908, 2: 673-5. Also *Rev. neur., Par.*, 1908, 16: 1285.—**Solovay, J.**, & **Schwarz, F. W.** Pharmacological shock treatment of involutional melancholia. *J. Nerv. Ment. Dis.*, 1941, 93: 443-50.—**Stevens, J. W.** Melancholia of involution. *South Pract.*, 1908, 30: 118-27.—**Strecker, E. A.** Involutional melancholia. *N. York State J. M.*, 1942, 42: 530-4.—**Suckle, J. E.** Treatment of involutional melancholia by estrogen. *J. Am. M. Ass.*, 1937, 109: 203.—**Titely, W. B.** The prepsychotic personality in involutional melancholia. *J. Nerv. Ment. Dis.*, 1935, 82: 559.—**Prepsychotic personality of patients with involutional melancholia.** *Arch. Neur. Psychiat.*, Chic., 1936, 36: 19-33.—**Valenciano, L.** Las glándulas supra-renales en la melancolia de involution. *Arch. med., Madr.*, 1929, 30: 726-32. Also *Arch. neurob., Madr.*, 1929, 9: 207-21.—**Werner, A. A.** Involutional melancholia. *Week. Bull. S. Louis M. Soc.*, 1937-38, 32: 277-84.—**Hector, F. F.**, & **Ault, C. C.** Involutional melancholia; a review with additional cases. *Arch. Neur. Psychiat.*, Chic., 1941, 45: 944-52.—**Werner, A. A.**, **Johns, G. A.** [et al.] Involutional melancholia; probable etiology and treatment. *J. Am. M. Ass.*, 1934, 103: 13-6.—**Werner, A. A.**, **Kohler, L. H.** [et al.] Involutional melancholia; probable etiology and treatment. *Arch. Neur. Psychiat.*, Chic., 1936, 35: 1076-80.—**Winn, R. E.** Involutional melancholia treated with convulsive therapy. *Dallas M. J.*, 1938, 24: 100.—**Wittson, C. L.** Involutional melancholia: a

study of the syndrome and a report on the use of estrogen. *Psychiat. Q.*, 1940, 14: 167-84.—**Young, F. F.** Involution melancholia. *N. Orleans M. & S. J.*, 1930-31, 83: 375-9.

Treatment.

Davidoff, E. & **Goodstone, G. L.** Use of testosterone propionate in treatment of involutional psychosis in the male. *Arch. Neur. Psychiat.*, Chic., 1942, 48: 811-7.—**The treatment of involutional psychoses with diethyl stilbestrol and estradiol.** *Dis. Nerv. Syst.*, 1942, 3: 358-65.—**Reifenstein, E. C., jr.** The treatment of involutional psychoses with diethyl stilbestrol. *Am. J. Psychiat.*, 1942-43, 99: 557-64.—**Hoffman, H. F.** Involutional psychoses and their treatment. *Hahnemann. Month.*, 1941, 76: 490-6.—**Hoven, H.** Psychoses d'involution; essais thérapeutiques. *Ann. méd. psychol. Par.*, 1940, 98: pt 1, 364.—**Kerman, E. F.** Testosterone therapy of involutional psychosis. *Arch. Neur. Psychiat.*, Chic., 1943, 49: 306.—**Nichols, I. C.**, & **Wolfe, R.** Clinical experiences with metrazol shock therapy. *J. Nerv. Ment. Dis.*, 1941, 93: 481-3.—**Pardoll, D. H.**, & **Belinson, L.** The effect of testosterone propionate in male involutional psychotics. *Elgin Papers*, 1941, 4: 182-91. Also *J. Clin. Endocr.*, 1941, 1: 138-41.—**Parfitt, D. N.** Hysterectomy in menopausal insanity. *Lancet, Lond.*, 1933, 1: 292.—**Rothermich, N. O.** The hormonal therapy of involutional psychosis. *Proc. Postcolleg. Clin. Assemb. Coll. M. Ohio Univ.*, 1939, 6: 13.—**Runge, H.** Ueber aktive Behandlung der psychischen Rückbildungserkrankungen bei Männern. *Zschr. ges. Neur. Psychiat.*, 1941, 171: 1-27.—**Stein, W.**, & **Erb, A.** [Treatment of involution psychosis by injections of testohormin] *Polska gaz. lek.*, 1939, 18: 379-81.—**Tietz, E. B.**, & **Stephens, F. M.** The treatment of the involutional psychoses with illustrative cases. *J. Med. Cincin.*, 1940-41, 21: 476-9.—**Weiss, O. L.** Behandlung psychischer Alterserscheinungen bei Männern und Frauen mit synthetischem Testeshormon. *Deut. med. Wschr.*, 1939, 65: 261.—**Wilson, D. C.** Treatment of the mental diseases related to the involutional period. *Virginia M. Month.*, 1943, 70: 175-8.

Type.

See also such headings as **Dementia**, **Clinical types**, **atypical**; **Pathoplastic factors**, etc.

NAUDASCHER, J. A. G. *Les psychoses délirantes d'involution; essai clinique et nosographique. 102p. 24cm. Par., 1939.

Brockhausen, K. Erbbiologische Untersuchungen depressiver Psychosen des Rückbildungsalters. *Allg. Zschr. Psychiat.*, 1940, 114: 175.—**Halberstadt, G.** Contribution à l'étude des psychoses d'involution; la dysphrénie antitonique. *Ann. méd. psychol. Par.*, 1933, 91: pt 2, 470-81.—**Hoven, H.** Un cas de démence à la ménopause. *J. neur. psychiat., Brux.*, 1931, 31: 70-2; 1933, 33: 497.—**Laignel-Lavastine, Gallot, H. M.**, & **Mignot, H.** Syndrome obsessionnel pur symptomatique d'une involution. *Ann. méd. psychol. Par.*, 1937, 85: pt 2, 512-5.—**Lantos, B.** Analyse einer Konversionshysterie im Klimakterium. *Internat. Zschr. Psychoanal.*, Wien, 1929, 15: 114-30.—**Luxemburger, H.** Depressive Psychosen im Rückbildungsalter. *Münch. med. Wschr.*, 1941, 88: 346.—**Obreigia, Constantinescu, I.**, & **Badenski** [Paranoia and menopause] *Rev. st. med., Bucur.*, 1933, 22: 295-9.—**Runge, H.** Einteilung und Behandlung der psychischen Rückbildungserkrankungen bei Männern durch aktive Umstimmung. *Zschr. ges. Neur. Psychiat.*, 1939, 167: 146-9. Also *Allg. Zschr. Psychiat.*, 1940, 114: 177.—**Skottowe, I.** The mental disturbances of the involutional period. *Med. Press & Circ.*, Lond., 1937, 195: 559-61.—**Stryjenski, W.** [Depressive state in aged people] *Polska gaz. lek.*, 1938, 17: 873-5.—**Terhune, W. B.** Depressive reactions in middle aged men. *Connecticut M. J.*, 1941, 5: 104-9.

INZUCHT.

See **Inbreeding**.

IOB, Leona Vivian. *A study of the reactions of ergosterol with mercuric acetate and with anhydrous auric chloride [Ph. D.] 37p. tab. 24½cm. Chic., Univ. Chicago Libr., 1937.

IODAMEBA.

See **Endamebidae**.

IODANTHUS.

Rollins, R. C. A systematic study of Iodanthus. *Contr. Dudley Herbar.*, 1941-42, 3: 209-16, 2 pl.

IODEOSIN.

See **Erythrosin**.

IODINE [and derivatives]

See also Halogen.

MISES. Beweis dass der Mond aus Iodine bestehe. No. 1. 2. Aufl. 26p. 15½cm. Lpz., 1832.

NEW YORK, N. Y. IODINE EDUCATIONAL BUREAU. Iodine; from scratch to major operation. 15p. 21½cm. N. Y., 1941.

Bohlander, J., jr. Some facts about iodine. Cincinnati J. M., 1926-27, 7: 397-407.—Bufarale, T. Contributo alla storia ed alla terapia dello iodo. Riv. stor. sc. med., 1926, 17: 138-44.—Darmstadter, E. Aus der Geschichte des Jods und der Jodtherapie. Schweiz. med. Wschr., 1932, 62: 98.—Griffith, I. Iodine; the element of doubt. Am. J. Pharm., 1930, 102: 179-201. — Ego-and I (iodine) Ibid., 1941, 113: 464-7.—Iode (I') avant les iodures. Aesculape, Par., 1926, n. ser., 16: No. 3, Suppl.—Masson, I. Iodine. Proc. R. Inst. Gr. Britain, 1938-39, 30: 99-122.—Pierquin. Analyse de quelques recherches sur l'ode. Observ. sc. méd., 1823, 6: 9-18.—Sajous, C. E. de M., Sajous, L. T. de M., & Griffith, R. S. Iodine and iodides. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 8: 106-32.—Shippin, R. S. Iodine. Homoeop. Rec., 1940, 55: No. 9, 24.—Veil, W. H., & Sturm, R. Beiträge zur klinischen Pharmakologie; Geschichte der Jodtherapie. Deut. Arch. klin. Med., 1926-27, 154: 327-37.

Absorption, administration, and dosage.

See also subheading Metabolism.

BUSCHMANN, M. *Ein Beitrag zur Resorption des Jods durch die Mundschleimhaut. 11p. 8° Kiel, 1935.

SCHUMANN, H. *Zur Frage der Jodresorption und der therapeutischen Wirkung sogenannter Jodbäder. 20p. 8° Halle, 1933.

WERNER, K. *Ueber die Resorption von auf die Mundschleimhaut gebrachtem Jod [Frankfurt] 15p. 8°, Gelnhausen, 1935.

Anthes, H., & Salzmann, F. Ueber die Aufnahme von Jod aus Bädern durch die Haut und dessen Schicksal im Organismus. Zschr. ges. exp. Med., 1933, 91: 100-5.—Belehradek, J., & Huxley, J. S. Sur la pénétration d'ode libre dans l'organisme des larves d'amphibiens. C. rend. Soc. biol., 1927, 96: 1426.—Boudreau. Comment faire absorber l'ode à hautes doses? J. méd. Bordeaux, 1926, 56: 408-13.—Cohn, B. N. E. Absorption of compound solution of iodine from the gastro-intestinal tract, with special reference to the absorption of free iodine. Arch. Int. M., 1932, 49: 950-6.—Cole, V. V., Dunn, R. H., & Curtis, G. M. The intrapulmonic absorption of iodine. J. Pharm. Exp. Ther., 1935, 53: 327-30.—Crippa, J. F. Ueber Jod-Resorption; ein Beitrag zur Beantwortung der Frage: Gelangt Jod bei dem Gebrauche der natürlichen Jodsolquellen als Bad durch die äussere Haut zur Resorption und wird es in den Kreislauf gebracht? Wien, klin. Wschr., 1927, 40: 879.—Eichler, O. Ueber die Wege injizierten Jodids im Froschkörper. Arch. exp. Path., Berl., 1934, 175: 67-77.—Erdész, S. Endolumbale Jodtherapie. Psychiat. neur. Wschr., 1933, 35: 570-3.—Giuntoli, L. Ricerche radiografiche sull'assorbimento di farmaci radiopachi; iodo. Arch. ital. sc. farm., 1936, 5: 458-67.—Hintzelmann, U. Ueber die Resorption von elementarem Jod durch die Haut. Balneologe, 1934, 1: 281-3.—Jürgens, R. Resorption und Elektrophorese von Jod durch die menschliche und tierische Haut in Moor- und Wasserbädern. Zschr. ges. phys. Ther., 1932, 42: 90-8.—Löhr, H. Experimentelle Untersuchungen über die Resorption des Jods beim Menschen. Arch. exp. Path., Berl., 1936, 181: 172.—Malhotra, R. C. The best source of iodine (organic vs inorganic) as related to thyroid disturbances. Ind. M. Gaz., 1932, 67: 337-41.—Mary, G. La thérapeutique externe par l'ode naissant dissous dans l'eau. J. sc. méd. Lille, 1930, 48: pt 1, 108-10.—Nyiri, W., & Jannitti, M. About the fate of free iodine upon application to the unbroken animal skin; an experimental study. J. Pharm. Exp. Ther., 1932, 45: 83-107.—Pfeiffer, F. Ueber rektale Jodbehandlung. Münch. med. Wschr., 1931, 78: 955.—Salazar, L. Influenza della dose, del catione e dell'alimentazione sull'assorbimento degli ioduri salini. Clin. med. ital., 1927, 58: 37-50.—Schlegel, O. Kann man beim Bierschen Jodtropfen von einer homöopathischen Dosierung sprechen? Hippokrat, Stuttgart, 1938, 9: 264.—Souci, S. W. Zur Frage der Durchlässigkeit der intakten Haut gegenüber Jod bei Anwendung von Wiesseer Bädern. Münch. med. Wschr., 1933, 80: 735.—Sturm, A., & Schultze, H. Untersuchungen über die Resorptionsfähigkeit der Haut für Jod in Beziehung zum Gesamtorganismus. Zschr. ges. exp. Med., 1933, 90: 173-207.—Tiedcke, C. Experimentelle und klinische Beiträge zur Pharmakologie des Jods; über die Resorption von Jod durch die Mundschleimhäute und seine Verteilung im Organismus. Klin. Wschr., 1933, 12: 383-6.—Vezér, W. Ueber die therapeutische Wirkung intralumbaler und intrazerebraler Joddepots. Med. Klin., Berl., 1931, 27: 393.—Vomela, S. [Unit in minimal iodine doses] Cas. lék. česk., 1932, 71: 750.

Atomic weight and structure.

Baxter, G. P., & Lundstedt, O. W. A revision of the atomic weight of iodine; the ratio of silver to silver iodide; the ratio of silver iodide to silver chloride. J. Am. Chem. Soc., 1940, 62: 1829-34.—Baxter, G. P., & Titus, A. C. A revision of the atomic weight of iodine; the ratio of silver iodide to silver chloride. Ibid., 1826-8.—Fry, A. S. Zeeman effect in the hyperfine structure of iodine. Summaries Doct. Diss. Northwest. Univ., 1939, 7: 166-72.—Gouchard. Remarques sur le poids atomique de l'ode. C. rend. Acad. sc., 1933, 196: 1024-6.—Gröh, J., & Takács, E. Kinetische Untersuchungen über die Solvation des Jods und über die sechsatomigen Jodmoleküle. Zschr. phys. Chem., Abt. A, 1930, 149: 195-210.—Tolansky, S. The nuclear spin of iodine; fine structure in the first spark spectrum. Proc. R. Soc. Lond., 1935, ser. A, 149: 269-81. — The nuclear spin of iodine; a new type of hyperfine structure deviation from the interval rule. Ibid., 1939, ser. A, 170: 205-22. — & Forester, G. O. The nuclear spin of iodine; further measurements upon the fine structures in the first spark spectrum. Ibid., 1938, ser. A, 168: 78-103, pl.

Benzoic acid derivatives.

Greenbaum, F. R. Improved method for the preparation of calcium or ammonium salts of iodoxybenzoic acid. Am. J. Pharm., 1936, 108: 17-22.—Hektoen, L. The influence of sodium iodoxybenzoate on the production of antibodies in dogs. Tr. Chicago Path. Soc., 1909-11, 8: 138-41.—Hellerman, A., Chinard, F. P., & Ramsdell, P. A. O-iodosobenzoic acid, a reagent for the estimation of cysteine, glutathione, and the substituent sulphydryl groups of certain proteins. J. Am. Chem. Soc., 1941, 63: 2551-3.—Leake, C. D. Iodoxybenzoate as a test reagent for free phenolic hydroxyl groups in organic compounds. Proc. Soc. Exp. Biol., N. Y., 1930-31, 28: 148-50.—Macht, D. I., & Twiss, D. A pharmacological study of sodium tetra-iodoortho-sulpho benzoate. Ibid., 1929-30, 27: 850-2.

Bismuth compounds.

See also Bismuth, Compounds, halogen.

Bach, D. Sur les iodobismuthates d'antipyrine, de pyramidon et d'hexaméthylentétramine. Bull. sc. pharm., Par., 1932, 39: 418.—Bracaloni, L. Nouvelle méthode pour le dosage quantitatif de l'iodobismuthate de quinine. J. pharm. chim., Par., 1935, 8, ser., 22: 49-52.—De la Rocha, L. E. Los yodobismuthates de quina. Reforma méd., Lima, 1942, 28: 643.—Delwaulle, M. L. Sur le système: iodure de bismuth, iodure de potassium et eau. C. rend. Acad. sc., 1934, 199: 948-50. — Sur le système iodure de bismuth, iodure d'ammonium et eau. Ibid., 1935, 201: 341-4.—François, M., & Seguin, L. Sur le dosage du bismuth dans l'iodobismuthate de quinine; modification au procédé primitif. J. pharm. chim., Par., 1937, 8, ser., 25: 341-5.—Frossard, H. J. Sur une nouvelle méthode de traitement iodo-bismuthique à l'état naissant. C. rend. Congr. fr. méd. (1930) 1931, 21. Sess., 387.—Gallain, F. Sur la constitution des solutions d'iodobismuthates de potassium. C. rend. Acad. sc., 1937, 204: 181-4.—Hanzlik, P. J. Bismuth in cerebrospinal fluid after administration of iodobismutol. Arch. Derm. Syph., Chic., 1938, 37: 1003-7. — Barnett, C. W., & Richardson, A. P. Modified composition of iodobismutol; results on local irritation. Ibid., 1935, 32: 284-7.—Hanzlik, P. J., De Eds, F., & Spaulding, J. B. Electromigration of iodobismuthite in colloid systems. Proc. Soc. Exp. Biol., N. Y., 1933, 30: 721-4.—Iodobismutol. Squibb Mem., N. Y., 1938, 17: 3-7.—Iodobismutol with saligenin. J. Am. M. Ass., 1939, 112: 2279.—Iodobismutol with saligenin-cutter. Ibid., 2603.—Iodobismutol with saligenin; Squibb solution sodium iodobismuthite compound. Squibb Mem., N. Y., 1935, 14: No. 3, 11-4.—Jurist, A. E., & Christiansen, W. G. The chemical nature of iodobismuthic acid and its relation to the chemistry of the alkali iodide compounds of bismuth iodide. J. Am. Pharm. Ass., 1937, 26: 501-4.—Mingoja, Q., & Pereira de Almeida, M. Sobre a preparação do oxido de bismuto. Arq. biol., S. Paulo, 1942, 26: 182-5.—Monfort de Castilho, A. Sulla preparazione del iodobismutato di chinina amorfo. Boll. chim. farm., 1938, 77: 149-52.—Picon. Sur quelques solubilités de l'iodobismuthate de quinine. C. rend. Acad. sc., 1934, 198: 926-8. Also J. pharm. chim., Par., 1934, 20: 49-61.—Sollmann, T., Cole, H. N. [et al.] Clinical excretion of bismuth; the urinary excretion of bismuth after clinical intramuscular injections of sodium iodobismuthite (sodium bismuth iodide, iodobismutol) and sodium bismuth thioglycollate (thiobismol) Am. J. Syph., 1937, 21: 480-91.—Thomis, G. N., & Kopanaris, G. P. Nouvelle méthode pour le dosage du bismuth, de l'ode et de la quinine dans l'iodobismuthate de quinine et ses préparations injectables. J. pharm. chim., Par., 1939, 8, ser., 30: 193-200.—Untersteiner, L., & Garbarino, G. Ricerche farmacologiche sul carbantrone e sulla bismuto-iodio-cloro-ossichinolina. Arch. ital. sc. farm., 1939, 8: 59-71. Also Boll. Soc. ital. biol. sper., 1939, 14: 109.—Vita, G., & Bracaloni, L. L'iodobismutato di chinina per uso ipodermico. Boll. chim. farm., 1936, 75: 325-34.

Bromide.

Ralls, J. O. A critical examination of the reaction of iodine monobromide with cholesterol and β -cholestanone. J. Am. Chem. Soc., 1938, 60: 1744-53.—Righini, G. Glicerolato

risolvente di bromioduro potassico. *Gior. farm. chim.*, Tor., 1872, 21: 129.—**Yost, D. M., Anderson, T. F., & Skoog, F.** The free energy of formation of iodine monobromide in carbon tetrachloride solution. *J. Am. Chem. Soc.*, 1933, 55: 552-5.

Chemistry.

See also such headings as **Fat; Iodometry; Oil; Starch, etc.**

Bairstow, S., & Hinshelwood, C. N. The homogeneous catalysis of gaseous reactions by iodine; the decomposition of propionic aldehyde, and a general discussion. *Proc. R. Soc. Lond.*, 1933, ser. A., 142: 77-88.—**Baudouin, A., & Lewin, J.** A propos de la désalbumination à l'iode. *C. rend. Soc. biol.*, 1933, 113: 155-7.—**Berthoud, A., & Allmen, S. V.** Recherches sur la cinétique des réactions de l'iode avec les sels ferreux; discussion des résultats. *J. chim. phys.*, Par., 1933, 30: 186-94.—**Boer, J. H.** [Adsorption of iodine and calcium-fluoride] *Versl. Akad. wet. Amsterdam*, 1928, 37: Afd. Naturk., 237-46.—**Die Adsorption von Jod an dünnen sublimierten Calciumfluoridschichten.** *Zschr. phys. Chem.*, Abt. B, 1931, 13: 134-54.—**Bray, W. C., & Ramsey, J. B.** The simultaneous reduction of vanadic acid and oxygen by iodide; induced catalysis of oxygen reactions. *J. Am. Chem. Soc.*, 1933, 55: 2279-88.—**Champy, C.** A propos des corps réduisant les mélanges d'iodures alcalins et de tétraoxyde d'osmium (réponse à Fauré-Fremiet). *C. rend. Soc. biol.*, 1913, 75: 145.—**Chow, B. F., & Zia, S. H.** Chemical nature of component involved in the reaction between iodine and complement. *Proc. Soc. Exp. Biol.*, N. Y., 1938, 38: 690-2.—**Chrétien, A., & Laurent, P.** Existence d'un type fréquent de complexe iodé en solution organique. *C. rend. Acad. sc.*, 1934, 199: 639-41.—**Faull, R. F., & Rollefson, G. K.** The behavior of iodine in some sensitized decompositions of gaseous organic compounds. *J. Am. Chem. Soc.*, 1936, 58: 1755-8.—**Foote, H. W., & Fleischer, M.** Addition compounds of iodine with alkali bromides and thiocyanates. *J. Phys. Chem.*, 1940, 44: 640-6.—**Gallay, W.** The sorption of iodine by polyvinyl alcohol. *Canad. J. Res.*, 1936, 14: Sec. A & B, 105-13.—**Garstang, W. L., & Hinshelwood, C. N.** The kinetics of the combination of hydrogen and oxygen: the influence of iodine. *Proc. R. Soc. Lond.*, 1930-31, Ser. A., 130: 640-54.—**Gonze, M.** Sur le mécanisme d'oxydation des hydrazoïques par l'iode. *Bull. Acad. Belgique, cl. sc.*, 1934, 5, ser., 20: 789-808.—**Gorbachev, S. W., & Vinogradova.** Ueber die Wechselwirkung zwischen Jod und Stärke. *Zschr. phys. Chem.*, 1927, 127: 93-107.—**Hofmann, K. A.** Bindung von Jod an Molekülaggregate. *Sitzber. Preuss. Akad. Wiss., phys. math. Kl.*, 1931, 536-40.—**Hull, D. E., Shiffett, C. H., & Lind, S. C.** Exchange reactions of iodine by the method of radioactive indicators. *J. Am. Chem. Soc.*, 1936, 58: 535.—**Jadin, J.** L'influence de l'iode sur les lipides. *C. rend. Soc. biol.*, 1931, 106: 1285; 107: 1602.—**Jezler, A.** Versuche über Jodbindung; Jodadsorption und ihre Beeinflussung durch das Ionenmilieu. *Zschr. ges. exp. Med.*, 1926, 50: 714-27.—**Joyeux, R.** Oxydation des sucres aldéhydiques par l'iode en milieu alcalin; applications pratiques. *Rev. Serv. san. mil. Par.*, 1938, 108: 469-75.—**Kharasch, M. S., Norton, J. A., & Mayo, F. R.** The peroxide effect in the addition of reagents to unsaturated compounds; the addition of hydrogen iodide to propene, 1-bromopropene, allyl chloride, and allyl bromide. *J. Am. Chem. Soc.*, 1940, 62: 81-6.—**Liebafsky, H. A.** Ueber die Hydrolyse des Jods. *Zschr. phys. Chem.*, Abt. A, 1931, 155: 289-98.—**Lottermoser, A., & Herrmann, L.** Ueber die Aufnahme von Jod durch verschiedene Substanzen. *Ibid.*, 1926, 122: 1-27.—**Montignie, E.** Action de l'iode sur le cuivre et de l'iode sur le mercure. *Bull. Soc. chim. France*, 1941, 5, ser., 8: 202-9.—**Ramsey, J. B., & Heldman, M. J.** Kinetics of the trivalent vanadium-iodine reaction. *J. Am. Chem. Soc.*, 1936, 58: 1153-7.—**Weiser, S., & Zaitschek, A.** Zur Biochemie des Jods. *Biochem. Zschr.*, 1927, 187: 377-84.

Chloride.

Cornog, J., & Bauer, E. E. Iodine monochloride; the system potassium chloride-iodine monochloride. *J. Am. Chem. Soc.*, 1942, 64: 2620-4.—**Cornog, J., Horrabin, H. W., & Karges, R. A.** Iodine monochloride; reactions with salts. *Ibid.*, 1938, 60: 429-32.—**Cornog, J., & Olson, L. E.** Iodine monochloride; the systems iodine monochloride-acetic acid and iodine monochloride-carbon tetrachloride. *Ibid.*, 1940, 62: 3328-30.—**McMorris, J., & Yost, D. M.** The free energy, heat content and entropy of iodine monochloride. *Ibid.*, 1932, 54: 2247-6.—**Nies, N. P., & Yost, D. M.** The thermodynamic constants of iodine trichloride. *Ibid.*, 1935, 57: 306.—**Plotnikov, V. A., & Rokotian, V. E.** [Ionization of bromide solutions of iodine trichloride] *J. Russ. fiz. khim. obsch., khim. ch.*, 1915, 47: 723-30.—**Sherman, A., & Li, N.** Theoretical considerations concerning the mechanism of the thermal reaction between gaseous iodine monochloride and hydrogen. *J. Am. Chem. Soc.*, 1936, 58: 690.

colloidal [Alphidine; Collosol iodine; Dicalide; Iodargol; Iodeol]

FREYSSSELINARD, M. *Contributions apportées à l'étude d'une nouvelle forme d'iode: l'iode en suspension colloïdale aqueuse. 59p. 8°. Par., 1926.

MARTINET, L. *De l'emploi de l'iode colloïdal dans le traitement local des affections de la bouche et des dents. 31p. 8°. Genève, 1926.

Acklin, O., Kamenetzky, P., & Rey, J. M. Zur Wirkungsweise von wässrigem, kolloidalem Jod auf den Organismus (Fütterungsversuche mit Dicalide an Kaninchen). *Schweiz. med. Wschr.*, 1928, 58: 914-18.—**Chandler, W. L., & Miller, E. J.** Colloidal iodine. *J. Phys. Chem.*, 1927, 31: 1092-6.—**Cohen, B.** Catalytic decomposition of hydrogen peroxide by basic beryllium iodide hydrosols. *J. Am. Chem. Soc.*, 1942, 64: 1340.—**Guaite, A.** Un poderoso antiptígeno. *Sem. méd.*, B. Air., 1932, 39: pt 1, 464-79.—**Heger, D.** Wirk-samkeit des organisch-kolloidalen Jods in kleinen Mengen mittels parenteraler Einverleibung. *Fortsch. Ther.*, 1926, 2: 464.—**Izard, A., & Cuffi, U.** Las soluciones de iodo coloidal. *Rev. méd. Barcelona*, 1936, 25: 460.—**Pouchet-Souffland, G.** Une nouvelle application de l'iodéol (iode colloïdal) *Progr. méd.*, Par., 1926, 41: 1241.—**Sabelli, T.** El iodo coloidal en ginecología. *Dia méd.*, B. Air., 1931-32, 4: 857-60.

Determination.

See also **Iodometry.**

SLIM, A. Beitrag zur biochemischen Jodforschung in Eesti; über Jodbestimmung und Jodniveau [Auszug] 8p. 22 $\frac{1}{2}$ cm. Tartu, 1939.

Alstodt, B. S. Assays for iodine and iodide in iodine solutions. *J. Am. Pharm. Ass.*, 1940, 29: 227-9.—**Bestimmung von Jod in organischen Verbindungen.** In *Untersuch. Arzneispez.* (Internat. Apoth. Bund) 2. Ausg., Amst., 1938, 25.—**Bonot, A.** Conditions à respecter dans l'emploi de la méthode de Leipert pour le microdosage de l'iode organique. *Bull. Soc. chim. biol.*, Par., 1939, 21: 1051.—**Bose, A. C., & Bagchi, K. N.** A new method for the colorimetric determination of small quantities of iodide in presence of other halides. *Analyst*, Lond., 1935, 60: 80-2.—**[Determination of iodide of potassium]** *Ny pharm. tid.*, Kbh., 1881, 13: 405.—**[Determination of iodine and iodine salts]** *Pharm. tid.*, Kbh., 1866, 5: 105.—**Estimation (The) of iodine.** *Lancet*, Lond., 1935, 2: 384.—**Flatt, R., & Boname, A.** Dosage potentiométrique de faibles quantités d'iodure à côté de fortes quantités de chlorure et de bromure. *Bull. Soc. chim. France*, 1932, 4, ser., 51: 52-761.—**Fullerton, J. B., Watkins, W. J., & Graham, C. L.** Estimation of iodides in complex mixtures. *J. Am. Pharm. Ass.*, 1938, 27: 417-9.—**Gautier, J. A.** Sur un procédé simple de détermination de l'iode organique. *J. pharm. chim.*, Par., 1937, 8, ser., 25: 145-56.—**Gersh, I., & Stieglitz, E. J.** A critical study of histochemical methods of the determination of iodides in tissues. *Anat. Rec.*, 1933, 56: 185-93.—**Glimm, E., & Isenbruch, J.** Ueber die Bestimmung kleinster Jodmengen. *Biochem. Zschr.*, 1929, 207: 368-76.—**Groäk, B.** Mikrogessamtjodbestimmung und Jodbestimmung in organischen Säuren. *Ibid.*, 1926, 175: 455-60.—**Permanganatoxydation in der Jodmikromethodik.** *Ibid.*, 1934, 270: 291-6.—**Guerbet, A.** Quelques remarques sur le dosage de l'iode. *J. pharm. chim.*, Par., 1933, 8, ser., 17: 556-9.—**Hahn, F. L., & Adler, M.** Measurement of reaction velocities and determination of smallest quantities of catalytic substances by a potentiometric method; iodine. *Proc. Am. Sc. Congr.* (1940) 1942, 8, Congr., 7: 169-75.—**Hamilton, R. H., jr.** Improvements in technique for the determination of microgram quantities of iodine. *J. Am. Chem. Soc.*, 1936, 58: 1592-4.—**Hart, D., & Meyrowitz, R.** Micro test for iodide. *Analyst*, Lond., 1942, 67: 375 (Abstr.)—**Jochmann, E.** Ein Beitrag zur von Fellenbergischen Jodbestimmungsmethode. *Biochem. Zschr.*, 1928, 194: 454-60.—**Kahane, E., & Tomesco, T.** Action de l'acide perchlorique sur l'iode et les dérivés iodés; dosage de l'iode dans les substances organiques. *C. rend. Acad. sc.*, 1935, 201: 1195-8.—**Kieferle, F., & Erbacher, E.** Zur Bestimmung kleinster Mengen Jod neben sehr viel Chlorid; ein Beitrag zur potentiometrischen Titration. *Biochem. Zschr.*, 1928, 201: 305-17.—**Kolthoff, I. M., & Lingane, J. J.** The accuracy of the potentiometric iodide-silver titration. *J. Am. Chem. Soc.*, 1936, 58: 1524-8.—**Lea, C.** Réactifs pour la recherche de l'iode. *J. chim. méd.*, Par., 1867, 5, sér., 3: 458.—**Lormand, C.** Dosage de l'iode dans les préparations officielles. *Ann. falsif.*, Par., 1914, 7: 432-41.—**McClendon, J. F., Bratton, A. C., & White, R. V.** Determination of iodine in 10 cc. of blood by burning in platinum combustion tube with saw feed, and distillation. *Proc. Am. Soc. Biol. Chem.*, 1937, 8: No. 6, p. lxvii. Also *J. Biol. Chem.*, 1937, 119: Proc. p. lxvii.—**McCullagh, D. R.** A new method for the determination of iodine. *Ibid.*, 1934, 107: 35-44.—**McKean, J. B.** The determination of iodine in kelp. *Analyst*, Lond., 1936, 61: 11-3.—**Oesterlin, M.** Eine mikrochemische Schnellbestimmung von Jod in Arzneimitteln. In *Festschr. B. Nocht, Hamb.*, 1937, 423-4.—**Patnaik, M.** An improved micro-method of estimating iodine. *Ind. J. M. Res.*, 1933, 21: 237-48.—**Pelloggio, P.** Nuovo metodo per ritrovare minime tracce di iodio allo stato di ioduro. *Gior. farm. chim.*, Tor., 1870, 19: 427-9.—**Pfeiffer, G.** Die saure Aufschlussmethode zur Bestimmung kleinster Jodmengen in organischen Produkten. *Biochem. Zschr.*, 1928, 201: 298-304.—**Der Perhydrol-Schwefelsäure-Aufschluss zur Mikro-Jodbestimmung.** *Ibid.*, 1929, 215: 126-36.—**Ergänzungen zu der Mitteilung über: Die Zusatzverbrennung zur sauren Jodbestimmungsmethode in organischen Produkten.** *Ibid.*, 1931, 241: 280-2.—**Pollacci, E.** Due nuovi reattivi dell'iodo allo stato di ioduro.

- Chem. farm. (Ann. Tor.)*, 1874, 23: 112. [Quantitative determination of iodide of potassium] *Ny pharm. tid., Kbh.*, 1881, 13: 426 8. **Reith, J. F.** Die Mikrobestimmung von Jodiden neben anderen Salzen; Vergleichung mehrerer Methoden. *Biochem. Zschr.*, 1929, 216: 249-68. — **Beus, J. de.** Stort Stiekstoffwaterstoffsaure bei der Mikrojodbestimmung nach dem Winklerschen Prinzip? *Ibid.*, 1933, 279: 203. — **Van Dijk, C. P.** Investigations on the determination of micro-quantities of iodine. *Biochem. J., Lond.*, 1937, 31: 2128-35. — **Remington, R. E., Culp, F. B., & Kolnitz, H. von.** The potato as an index of iodine distribution. *J. Am. Chem. Soc.*, 1929, 51: 2942-7. — **Sadusk, J. F., jr., & Bail, E. G.** Volumetric determination of small quantities of inorganic iodine. *Indust. Engin. Chem.*, 1933, 5: 386-9. — **Saifer, A., & Hughes, J.** Dioxane as a reagent for qualitative and quantitative determination of small amounts of iodide. *J. Biol. Chem.*, 1937, 118: 241-5. — **Dioxane** as a reagent for qualitative and quantitative determination of small amounts of iodide; its application to the detection of iodide in iodized salt. *Ibid.*, 121: 801. — **Schulek, E., Róza, P., & Szily, M.** Beiträge zur Bestimmung des freien Jods und des Jodid-Jods nebeneinander, insbesondere in der Jodtinktur und Jod-Jodkali-Salbe. *Orsz. Közegészs. Int. közl.*, 1938, 11: No. 26, 765-70. — **Scott, W. W.** Vollhard's method for determining iodides. In his *Standard Meth. Chem. Analysis*, 5. ed., N. Y., 1939, 457. — **Sendroy, J., jr., & Alving, A. S.** Photoelectric microdetermination of iodate and iodine. *J. Biol. Chem.*, 1942, 142: 159-70. — **Shimizu, K. F., & Kelly, E. A.** Determination of iodine in the presence of interfering substances. *J. Am. Pharm. Ass.*, 1942, 31: 103-5. — **Stainer, C., & Leclerc, L.** Dosage de l'iode dans l'iodochloroxyquinoline (viforme) et dans l'iodure d'argent colloïdal (Néoprotosil); application de la titrimétrie aux méthodes de Carius et de Baubigny-Chavanne. *Bull. Acad. méd. Belgique*, 1936, 6. ser., 1: 331. — **Stümmel, B. F., & McCullagh, D. R.** A note concerning the determination of iodine. *J. Biol. Chem.*, 1936, 116: 21-4. — **Sturm, A.** Ein Beitrag zur Mikrojodtitration. *Biochem. Zschr.*, 1928, 200: 273-9. — **Weichherz, J.** Die Bestimmung des Jodkalis in der Jodtinktur nach DAB VI. *Arch. Pharm., Berl.*, 1929, 267: 36-42.
- 1928, 138: 160. — **Benigni, R.** Sul dosaggio del jodio nelle urine. *Biochim. ter. sper.*, 1937, 24: 181-6. — **Blom, I. J. B.** Methods for the micro-determination of iodine in biological material. *Onderstepoort J. Vet. Sc.*, 1934, 2: 123-30. — **Boottello Campos, A.** Nuestros primeros resultados en la determinación del yodo en los alimentos y aguas de España. *Actas Congr. nac. san., Madr.* (1934) 1935, 1. Congr., 4: 30-3. — **Brill & Goyert.** Blutjodanalysen bei Hautkrankheiten und ihre Beziehungen zum vegetativen Nervensystem. *Arch. Derm. Syph., Berl.*, 1940, 180: 63-95. — **Bruger, M., & Meunier, S.** On the fractionation of iodine in blood. *J. Biol. Chem.*, 1943, 148: 77-83. — **Cacciavillani, B.** Il metodo Fellenberg-Weil-Sturm per la microdeterminazione dello iodio nel sangue; osservazioni critiche e ricerche sperimentali. *Biochim. ter. sper.*, 1937, 24: 196-201. — **Codino, S.** Procedimento de dosage quantitativo del yodo en la orina por medio de los rayos Roentgen. *Sem. méd., B. Air.*, 1931, 38: pt. 2, 1074-6. — **Doering, H.** Betrachtungen zu Hilmar Wilmanns' Arbeit: Zur Methodik der Mikrojodbestimmung in biologischem Material. *Biochem. Zschr.*, 1937, 290: 272-4. — **Doering, H.** Zur Methodik der Mikrojodbestimmung in biologischem Material. *Ibid.*, 291: 219. — **Doery, H. M.** The estimation of iodine in thyroid gland material; an examination of Kendall's method of combustion. *Biochem. J., Lond.*, 1942, 36: 519-25. — **Dubief, J.** Dosage rapide de l'iode total contenu dans les eaux minérales sulfurées. *Ann. falsif., Par.*, 1923, 16: 80-2. — **Endres, G., & Kaufmann, L.** Eine neue Methode zur Mikrobestimmung von Jod und Jodiden. *Zschr. physiol. Chem.*, 1936, 243: 144-8. — **Fashena, G. J., & Trevorow, V.** A note on the determination of iodine in biological material. *J. Biol. Chem.*, 1936, 114: 351-5. — **Fellenberg, T. von.** Die Bestimmung kleinster Jodmengen in organischen Materialien. *Biochem. Zschr.*, 1930, 224: 170-5. Also *Mitt. Lebensmitteluntersuch., Bern*, 1930, 21: 183-8. — **Fendler, G., & Stüber, W.** Ueber den Nachweis und die Bestimmung kleiner Mengen Jod in Oelen. *Zschr. physiol. Chem.*, 1914, 89: 123-32. — **Floj, J., Pitesky, L., & Alving, A. S.** A direct photoelectric colorimetric method for the determination of diiodast and iodides in blood and urine. *J. Biol. Chem.*, 1942, 142: 147-57. — **Gérard, P. L., & Raunet, M.** Dosage rapide et exact de l'iode dans l'urine. *C. rend. Soc. Biol.*, 1932, 109: 1329. — **Gill, C. C.** The detection of iodides in urine by the orthotolidine test. *Mil. Surgeon*, 1941, 88: 184-7. — **Goidin, E., & Daguin, E.** Etude d'un réactif destiné à détecter dans l'urine la présence du tétrabryl. *J. urol. méd., Par.*, 1939, 47: 220. — **Grauer, R. C., & Saier, E.** A comparison of the distilling and dry ashing methods for the determination of blood iodine. *Endocrinology*, 1939, 24: 553-5. — **Helin, B., Zilliacus, H., & Unonius, E.** Microdetermination of iodine in organic substances; normal total blood iodine content in man and cat. *Nord. med.*, 1939, 4: 3580-7. — **Hillgruber, K.** Ueber eine Bestimmungsmethode von organisch gebundenem Jod (Uroselectan) im Harn. *Klin. Wochschr.*, 1930, 9: 2353. — **Kahane, E., & Tomasco, T.** Dosage de l'iode dans les substances organiques. *Bull. Soc. chim. France*, 1936, 5. ser., 3: 1682-7. — **Kuhn, P., & Loeser, A.** Einfache Schnellmethode zum quantitativen Nachweis von organisch gebundenem Jod in Körperflüssigkeiten. *Arch. exp. Path., Lpz.*, 1928, 131: 262-7. Ueber die Jodbestimmung nach Kuhn und Loeser. *Ibid.*, 1933, 170: 609. — **Leech, W. D.** Iodine, its determination in traces as existing in feedstuff, water, plants, soils, tissues and allied materials. In *Standard Meth. Chem. Analysis* (Scott, W. W.), 5. ed., N. Y., 1939, 460. — **Leitch, I., & Henderson, J. McCa.** The estimation of iodine in foodstuffs and body fluids. *Biochem. J., Lond.*, 1926, 20: 1003-7. — **Löhr, H., & Wilmanns, H.** Zur Methodik der Mikrojodbestimmung in biologischem Material. *Biochem. Zschr.*, 1937, 290: 275. — **Die Mikrojodanalyse als klinische Arbeitsmethode.** *Med. Welt*, 1937, 11: 1515-7. — **McClendon, J. F.** The determination of iodine in natural waters. *Proc. Soc. Exp. Biol., N. Y.*, 1926-7, 24: 389-91. — **Bratton, A. C.** Determination of iodine in 5 cc. of blood. *Ibid.*, 1937-38, 37: 638. — **A new method for determination of iodine in 5 cc. of blood or other biological material.** *J. Biol. Chem.*, 1938, 123: 699-710. — **McClendon, J. F., Remington, R. E. [et al.]** The determination of traces of iodine; iodine in milk, butter, oil and urine. *J. Am. Chem. Soc.*, 1930, 52: 541-9. — **McClendon, J. F., & White, R.** Iodine in samples containing little organic matter other than urea. *Proc. Soc. Exp. Biol., N. Y.*, 1938-39, 39: 215. — **Markariantz, M.** [Methods of determining quantity of iodine in fats and oils] *Probl. med., Kharkov*, 1927, 6: No. 7, 1-9. — **Mattis, H., & Mandrysch, E.** Ueber den Nachweis kleiner Jodmengen im Harn. *Arch. Pharm., Berl.*, 1933, 271: 174-7. — **Moriya, T.** Ein Versuch über die verbesserte Methode der Mikrojodbestimmung und die pathologische-chemische und pathologische-histologische Forschung der Jodverteilung im menschlichen Körper. *Tr. Soc. path. jap.*, 1938, 28: 562-8. — **Patton, H. W.** A simple colorimetric method for the determination of potassium iodide in the blood and urine. *U. S. Nav. M. Bull.*, 1932, 30: 214-7. — **Pearl, I. W.** Determination of iodides in urine. *J. Biol. Chem.*, 1943, 148: 85-8. — **Petrova, A. N.** [Estimation of iodine in the blood] *Vest. endokr.*, 1935, 5: 569-75. — **Pfeiffer, G.** Ueber eine neue Schnellbestimmung von organisch gebundenem Jod. *Biochem. Zschr.*, 1928, 195: 128-33. — **Die Zusatzverbrennung zur sauren Jodbestimmungsmethode in organischen Produkten.** *Ibid.*, 1930, 228: 146-53. — **Anmerkung zu der Mitteilung über: Die Zusatzverbrennung zur sauren Jodbestimmungsmethode in organischen Produkten.** *Ibid.*, 1931, 231: 244-6. — **Die Bestimmung kleinster Jodmengen in organischen Materialien für physiologische und klinische Zwecke.** *Ibid.*, 1932, 256:

— Determination—in biological material.

See also **Blood chemistry**, **Iodine**; **Drinking water**, **Analysis**; **Milk**; **Oil**, etc.

BRANDENBERG, J. *Der quantitative Nachweis grösserer Jodkaliummengen im Urin. 8p. 8°. Giessen, 1926.

ENDERLE, P. *Kritische Darstellung der wichtigsten Bestimmungsmethoden des Blutjods [Heidelberger] 14p. 22¹/₂cm. Eilsfeld, 1936.

FLEMISCH, J. *Tierexperimentelle Untersuchungen über den histochemischen Nachweis percutan applicierter Jodide. 35p. 8°. Münch., 1935.

HARVEY, C. O. The determination of iodine in biological substances. 43p. 8°. Lond., 1935.

HEROLD, J. L. *Die Anwendung von Jodtitration und der quantitativen Bestimmungsmethoden von Folin, Larson und Tillmanns auf körpereigene reduzierende Verbindungen [Heidelberger] 14p. 22cm. Sinsheim, 1936.

OHM, L. *Ein Beitrag zur Bestimmung von Jod in organischen Materialien [Münster] 19p. 22cm. Kiel, 1935.

ROMANO, L. *Pesquisa e dosagem do iodo na materia organica pelo metodo de Milward. 39p. 8°. S. Paulo, 1933.

SONNENBERG, K. *Der qualitative Nachweis kleiner Jodkaliummengen im Urin. 8p. 8°. Giessen, 1925.

VÖHRINGER [H.] W. *Kritische Untersuchungen über die gebräuchlichen Blutjod-Bestimmungsmethoden [München] 19p. 21cm. Dachau, 1937.

Abellin, J. Métodos para la determinación cuantitativa del yodo en los líquidos y órganos animales. *Rev. sudamer. endocr.*, B. Air., 1928, 11: 2-13. — **Alpert, L. K.** A rapid method for the determination of diiodast-iodine in blood and urine. *Bull. Johns Hopkins Hosp.*, 1941, 68: 522-37. — **Althausen, A. J.** [A new method of quantitative determination of iodine in the urine] *Ter. arkh.*, 1934, 12: 110-5. — **Alvarado, C.** Determinación del yodo en diferentes muestras de sal de cocina española. *Rev. san., Madr.*, 1933, 8: pt. 2, 236-8. — **Arrúes, L. D., & Braier, B.** Dosage colorimétrico del iodo en la orina global. *Actas Congr. amer. urol.*, B. Air. (1937) 1939, 2. Congr., 1: 668-85. — **Ascoli, R.** Due metodi di dosaggio approssimativo dell'uroselectan nelle urine. *Pensiero med.*, 1930, 19: 617-22. — **Barkan, G.** Bestimmung von organischem neben anorganischem Jod in Körperflüssigkeiten. *Arch. exp. Path., Lpz.*,

214-27.—**Prange, G.** Nachweis und Bestimmung von Jod in bicarbonathaltigen Speisesalzen, Mineralwässern und Mineralwässersalzen. *Zschr. Untersuch. Lebensmitt.*, 1933, 66: 556-64.—**Purjesz, B., & Dávid, L.** [Iodine values in urine] *Orvostud. közl.*, 1940, 1: 13-5.—**Puyal, J., & Torres, I.** Valoración del uroselectan en la orina. *Arch. med., Madr.*, 1930, 33: 227.—**Reith, J. F.** Neuere Beiträge zur Methodik der Mikro-jodbestimmungen in Naturstoffen. *Biochem. Zschr.*, 1930, 124: 223-41.—**Riggs, D. S., & Man, E. B.** A permanganate acid ashing micromethod for iodine determinations; values in blood of normal subjects. *J. Biol. Chem.*, 1940, 134: 193-211.—**Ruff, G.** Dosificación del iodo en presencia de substancias orgánicas, especialmente en la tiroidea. *Fol. biol., B. Air.*, 1932, 24-6.—**—** Dosage du iode contenu les substances organiques, spécialement dans la glande thyroïde. *Ibid.*, 26.—**Ruff, W.** Bestimmung kleiner Jodmengen in Organen, besonders in Schilddrüsen von Rindern. *Biochem. Zschr.*, 1936, 287: 40-9.—**Santiago Codina.** Dosaje cuantitativo del iodo en la orina por medio de los rayos X. *Rev. méd. Rosario*, 1933 23: 137-51.—**Scheffer, L.** Mikro-jod-bestimmung in organischen Substanzen. *Biochem. Zschr.*, 1930, 228: 426-36.—**Schwaibold, J., & Harder, B.** Die Bestimmung des Jods in biochemischen Materialien. *Ibid.*, 1931, 240: 441-53.—**Shahrokh, B. K.** A new method for the microdetermination of iodine in certain biological materials. *J. Biol. Chem.*, 1943, 147: 109-13.—**Stevens, C. D.** Determination of iodine in biological materials; a simplified technique. *J. Lab. Clin. M.*, 1936-37, 22: 1074-9.—**Sturm, A., & Rockmann, L.** Fraktionierte Jodbestimmungen in menschlichen Organen; ein Beitrag zur biologischen Funktion des Gewebsjods. *Biochem. Zschr.*, 1936, 287: 50-60.—**Trevorrow, V., & Fashena, G. J.** The determination of iodine in biological material. *J. Biol. Chem.*, 1935, 110: 29-38.—**Triebart, E. L.** [Determination of iodine excretion in urine] *Meded. dienst volksgez. Ned. Indië*, 1932, 21: 1.—**Uribe Gueralta, A.** Dosificación del yodo en la sangre. *Medicina, Méx.*, 1942, 22: 385-7.—**Werner, H.** Die Mikro-jodbestimmung im Speisesalz. *Zschr. Untersuch. Lebensmitt.*, 1930, 60: 495-500.—**White, H. L., & Rolf, D.** A rapid micro method for determining diiodate and inorganic iodide iodine in blood and urine. *Proc. Soc. Exp. Biol., N. Y.*, 1940, 43: 1-7.—**—** Modified method for determination of certain organic iodine compounds, inorganic iodine in plasma and urine. *Ibid.*, 45: 433-7.—**Wilmanns, H.** Zur Methodik der Mikro-jodbestimmung in biologischem Material. *Biochem. Zschr.*, 1936-37, 289: 41-51.

— Diagnostic use.

See also subheadings (Oil, iodized; Therapeutic use) also such headings as **Bronchography; Myelography; Pyelography; Roentgen diagnosis; Contrast substances, etc.**

Lipp, J. Die Verwendung von Lugol und anderen Jodlösungen zu Harn-, Sputum-, Blut- und Stuhluntersuchungen. *Münch. med. Wschr.*, 1936, 83: 1476.—**Lutz, W., & Seyfried, H.** Ueber einen neuen Weg, welcher den genauen Nachweis jodhaltiger Kontrastmittel und die Gewinnung feinerer Aufschlüsse über deren Schicksal im Körper ermöglicht. *Klin. Wschr.*, 1938, 17: 908-10.—**Strain, W. H., Plati, J. T., & Warren, S. L.** Iodinated organic compounds as contrast media for radiographic diagnoses; iodinated aracyl esters. *J. Am. Chem. Soc.*, 1942, 64: 1436-40.

— Food, iodized.

See also **Goiter, Prevention.**

Blom, I. J. B. Variations in the iodine content of grasses at different stages of growth and a note on the iodine content of milk. *Onderstepoort J. Vet. Sc.*, 1934, 2: 139-50.—**Chidester, F. E.** Iodized salt. *Med. World*, 1940, 58: 245-8.—**Cowie, D. M., & Engelfried, J. J.** Iodine content of iodized salt; effect of storage. *J. Michigan M. Soc.*, 1940, 39: 784.

The iodized table salt carton; analysis of the iodine content of the pasteboard. *Ibid.*, 785.—**Elsbach, K., & Beselin, O.** Die Jodmilchtherapie. *Ther. Gegenwart*, 1927, 68: 345-8.—**Eöry, L.** Die Jodmilch als Appetitverbesserungsmittel und Roborans im Kindesalter. *Kinderärztl. Prax.*, 1936, 7: 164-6.—**Fellenberg, T. von.** Ueber jodiertes Kochsalz. *Biochem. Zschr.*, 1926, 174: 364-72.—**Gigli, T.** Ricerca dello jodio aggiunto a sostanze alimentari. *Boll. chim. farm.*, 1936, 75: 468-71.—**Hager** [Lac iodatum] *Ny pharm. tid.*, Kbh., 1869, 1: 108.—**Iodized salt.** *Hygeia, Chic.*, 1940, 18: 537.—**Iodized salt educational program.** *Annual Rep. Michigan Dep. Health*, 1939-40, 68: 23.—**Johnson, F. F., & Frederick, E. R.** Stabilization of iodine in salt and feedstuffs. *Science*, 1940, 92: 315.—**Karger, M. I.** [Iodized common salt] *Probl. endokr., Moskva*, 1940, 5: No. 3, 115-24.—**Kogan, A. M.** [Time, conditions of preservation and stabilization of iodized salt] *Ibid.*, 1941, 6: 136-48.—**Lusztig, J., & Straub, J.** [Effects of iodized eggs] *Orv. hetil.*, 1933, 77: 380-2.—**Maurer, E.** Ueber Ernährungsversuche mit jodangereicherter Nahrung an Säuglingen. *Wien. klin. Wschr.*, 1932, 45: 1381-3.—**Meynier, E., & Simonetti Cuizza, R.** Espérience di terapia ovoidata in bambini. *Clin. pediat. Mod.*, 1936, 18: 387-93.—**Niklas, H., Strobel, A., & Scharrer, K.** Zur Kenntnis des Jods als biogenes Element; Fütterungsversuch mit steigenden Jodgeben zur Milchziegen. *Biochem. Zschr.*, 1926, 170: 277-99.—**Prange, G.** Der Jodgehalt von Jodspeisesalzen des Handels.

Zschr. Medbeamte, 1933, 46: 369-74.—**Purjesz, B., Berkesy, L., & Gőnczy, K.** [Biological storing of halogenous elements in hen's eggs and therapeutical use of halogenized eggs] *Magv. orv. arch.*, 1934, 35: 405-17.—**Rosenberger, I.** Eine neue Form der Jodmedikation (Jodeier) *Wien. med. Wschr.*, 1932, 82: 1208.—**Scharrer, K., & Schropp, W.** Fütterungsversuch mit steigenden Jodgeben an Milchkühen. *Biochem. Zschr.*, 1929, 213: 18-31.—**Scharrer, K., & Schwaibold, J.** Ueber die Art der Bindung des Jods in der Milch. *Ibid.*, 207: 332-40.—**Schropp, W.** Fütterungsversuch mit Jod an Milchkühen. *Ibid.*, 213: 1-17.—**Seufferheld.** Experimentelle und klinische Versuche über die Wirkung biologischen Jodes in Form von Jodeiern. *Aerztl. Rdsch.*, 1933, 43: 111-3.—**Straub, J.** Ueber den Jodgehalt von Jodeiern. *Zschr. Untersuch. Lebensmitt.*, 1933, 65: 97-100.—**Strobel, A., & Scharrer, K.** Fütterungsversuch mit abnehmenden Jodgeben zu Milchziegen. *Biochem. Zschr.*, 1927, 180: 300-6.—**—** & **Schropp, W.** Fütterungsversuche mit verschiedenen Jodgeben an Milchkühen. *Ibid.*, 313-33.—**Uova iodate.** *Minerva med., Tor.*, 1940, 31: pt. 2, varia, 380-2 (microfilm).—**Veen, A. G. van** [Stability of iodine in iodized crude salt] *Geneesk. tscr. Ned. Indië*, 1941, 81: 2637-41.—**Weston, W.** Special milk in the solution of the iodine deficiency problem. *Arch. Pediat., N. Y.*, 1934, 51: 683-90.

— Fluoride.

Scott, A. F., & Bunnett, J. F. A dioxanate of iodine pentafluoride. *J. Am. Chem. Soc.*, 1942, 64: 2727.

— Geochemistry and natural distribution.

See also subheading **Iodine, Nutritional aspect.**

Barraud, G. Des effets physiologiques et thérapeutiques de l'iodé de l'air marin. *Progr. méd., Par.*, 1934, 842-55.—**Benson, W. N., & Carter, C. L.** The geological distribution of iodine in the soils and natural waters of New Zealand. *Am. J. Sc.*, 1927, 13: 39-47.—**Bleyer, B.** Zur Kenntnis des Jods als biogenes Element. *Biochem. Zschr.*, 1926, 170: 265-76.—**Schwaibold, J., & Harder, B.** Beiträge zur Kenntnis des Jodumlaufs in der Natur. *Ibid.*, 1932, 251: 87.—**Cauer, H.** Das Jod der Luft, sein chemisches Verhalten und seine bioklimatische Bedeutung. *Veröff. Medverwalt.*, 1932-33, 39: 467-584.—**—** Chemisch-bioklimatische Studien in der Bretagne; Beeinflussung des mitteleuropäischen Jodmilieus durch die bretonische Jodindustrie auf dem Wege der Luft. *Biochem. Zschr.*, 1937, 292: 116-40; 1938, 299: 69-91.—**Fellenberg, T. von.** Untersuchungen über das Vorkommen von Jod in der Natur; zur Geochemie des Jods. *Ibid.*, 1927, 187: 1-6. Also *Mitt. Lebensmitteluntersuch.*, Bern, 1927, 18: 149-54. Also *Biochem. Zschr.*, 1928, 193: 384-9.—**—** Untersuchungen über das Vorkommen von Jod in der Natur; Zur Geochemie des Jods; der atmosphärische Charakter des Jods. *Mitt. Lebensmitteluntersuch.*, Bern, 1928, 19: 43-8.—**Lunde, G.** Untersuchungen über das Vorkommen von Jod in der Natur; Beitrag zur Geochemie des Jods. *Biochem. Zschr.*, 1926, 175: 162-71. Also *Mitt. Lebensmitteluntersuch.*, Bern, 1926, 17: 250-9.—**—** Ueber den Jodgehalt von industriell gewonnenem Eisen. *Biochem. Zschr.*, 1927, 187: 7-14. Also *Mitt. Lebensmitteluntersuch.*, Bern, 1927, 18: 154-60.—**Fischler, F., & Schwaibold, J.** Neuere Beiträge zur Jodfrage (über die Verteilung des Jods in der Luft und im Wasser unter spezieller Berücksichtigung dieser Verhältnisse in Bayern) *Deut. Aerzte Ztg*, 1931, 6: No. 290.—**Heymann, J. A.** [The iodine content of soil and rain-water] *Ned. tscr. geneesk.*, 1927, 71: pt. 1, 640-50.—**Justin-Besançon, L.** Les eaux minérales iodées. *Progr. méd.*, 1934, 865-70.—**Karger, M. I.** [The circuit of iodine in nature] *Klin. med., Moskva*, 1936, 14: 1585-91.—**Lunde, G.** Biochemistry and geochemistry of iodine with special reference to the etiology and prophylaxis of endemic goiter. *Northwest M.*, 1928, 27: 412-7; 479-84.—**—** Ueber die Geochemie und Biochemie des Jods, mit besonderer Berücksichtigung der norwegischen Kropfprophylaxe. *Wien. klin. Wschr.*, 1928, 41: 15-9.—**Malhotra, R. C.** Permeability of iodine in some economic plants. *Protoplasma*, Lpz., 1931, 12: 1-22. pl.—**Marine, D., Baumann, E. J., & Webster, B.** The relative amounts of iodine-absorbing (reducing) material in various plants. *J. Biol. Chem.*, 1930, 139: 213-9.—**Meinck, F.** Ueber das Vorkommen von Jod in der Natur. *Veröff. Medverwalt.*, 1929, 29: 1-110.—**Nicolesco, P., & Héresco, D.** L'absorption de l'iodé contenu dans les boues extraites des sondes de Govora. *Bull. Acad. méd. Roumanie*, 1938, 3: 355-60.—**Roman, W.** Das Vorkommen des Jods in der Natur. *Naturwissenschaften*, 1930, 18: 792-4.—**Sauvageau, C.** Sur quelques algues florissantes renfermant de l'iodé à l'état libre. *Bull. Sta. biol. Arachon*, 1925, 22: 5-45.—**Scharrer, K., & Schwartz, W.** Zur Kenntnis des Jods als biogenes Element. *Biochem. Zschr.*, 1927, 187: 159-79.—**Scharrer, K., & Schwaibold, J.** Zur Kenntnis des Jods als biogenes Element; Untersuchungen über das Jodabspaltungsvermögen der Böden. *Ibid.*, 1928, 200: 258-72.—**Sturm, A.** Der Kreislauf des Jods in der Natur und seine Beziehung zum Menschen. *Klin. Wschr.*, 1931, 10: 1649-53.—**Sugimoto, K.** Iodine in Gorgonian corals. *J. Biol. Chem.*, 1928, 76: 723-8.—**Vitali, D.** Il jodo organico nelle acque salsojodiche. *Gior. farm.*, Trieste, 1900, 5: 193-204.

Hydroiodic acid [HI]

Brattain, K. G. Decomposition and synthesis of hydrogen iodide by alpha particles. *J. Phys. Chem.*, 1938, 42: 617-28.—

Hempel, P. [On the production of hydriodic acid] Pharm. tid., Kbh. 1868, 7: 10. —Husa, W. J. The preparation of diluted hydroiodic acid and syrup of hydroiodic acid. J. Am. Pharm. Ass., 1931, 20: 759-62. —Shattuck, P. S. The effect of various iodides upon the stability of hydroiodic acid. Ibid., 1932, 21: 111-21. —Taylor, H. A. The decomposition of hydrogen iodide. J. Phys. Chem., 1924, 28: 984-91. —Winkler, C. [Hydroiodic iodine] Pharm. tid., Kbh., 1867, 6: 389-91.

Hypoiodic acid [HIO]

D'Este, G. Velocità di trasformazione dell'ipiodito in iodato e meccanismo della reazione. Boll. chim. farm., 1939, 78: 117-24. —Johnson, R., & Fuson, C. The haloform reaction; the action of hypoiodite on hindered ketones. J. Am. Chem. Soc., 1935, 57: 919. —Li, C. H., & White, C. F. Kinetics of hypoiodite decomposition. Ibid., 1943, 65: 335-9.

Iodic acid [HIO₃]

Abel, E., Redlich, O., & Hersh, P. Gefrierpunktmessungen, Aktivitätskoeffizienten und Dissoziation der Jodsäure. Zschr. phys. Chem., Abt. A, 1934, 170: 112-22. —Bolland, A. Réactions microchimiques de l'acide iodique. C. rend. Acad. sc., 1920, 171: 955-7. —Comas y Martínez, L. Acerca del empleo del ácido yódico en el tratamiento de la tuberculosis y de la lepra. Tuberculosis, Habana, 1933-34, 5: 1-15. —Jenkins, G. L., & Spain, W. T. Iodic acid, new monograph. Bull. Nat. Formulary Com. U. S., 1940-41, 9: 153. —Krieger, K. A., & Kilpatrick, M. The conductance of potassium iodate at 25° and the mobility of the iodate ion. J. Am. Chem. Soc., 1942, 64: 7-9. —Li, N. C. C., & Lo, Y. T. Solubility studies; the ionization constant of iodic acid at 25°, 30° and 35°. Ibid., 1941, 63: 397-9. —Maxwell, L. C. The reaction of iodates in vivo. J. Pharm. Exp. Ther., 1930, 40: 151-5. —Montalenti, L. Fosforo reagente dei iodati. Gior. farm. chim., Tor., 1875, 24: 241. —Nayar, M. R., & Mundle, N. K. Magnetic susceptibility of iodic acid in aqueous solution; constitution of iodic acid. Current Sc., Bangalore, 1941, 10: 76. —Ricci, J. E. Compound formation between sodium iodate and sodium iodide. J. Am. Chem. Soc., 1934, 56: 295-9. —The ternary systems sodium iodate-sodium chlorate-water and potassium iodate-potassium chlorate-water at 25° and 50°. Ibid., 1938, 60: 2040-3. —Rogers, M. T., & Helmholz, L. The crystal structure of iodic acid. Ibid., 1941, 63: 278-84. —Sendroy, J., jr. Note on tests for purity of solid silver iodide prepared for chloride determination. J. Biol. Chem., 1939, 127: 483-5. —Tamura, H. Beiträge zur Kenntnis über die Jodatreaktion; histologische Befunde der Jodatreaktion. Fukuoka acta med., 1937, 30: 83.

Iodide [MI]

See also subheadings (Organic compounds; Photochemistry) also names of metals as Iron; Mercury, etc.

Barrier, R. *Les polyiodures (étude clinique) 60p. 8° Par., 1933.

Amis, E. S., & Potts, J. E., jr. Dielectric and solvent effects upon the iodide-persulfate reaction. J. Am. Chem. Soc., 1941, 63: 2883-8. —Briggs, T. R., Geigle, W. F., & Eaton, J. L. Polyiodides of sodium; the system sodium iodide-iodine-water. J. Phys. Chem., 1941, 45: 595-613. —Cocking, T. T. Arsenious iodides and its solutions. Australas. J. Pharm., 1930, n. ser., II: 315. —Demassieux, N., & Roger, L. Sur un complexe formé par l'iodure de plomb et l'iodure de lithium en solution aqueuse. C. rend. Acad. sc., 1937, 204: 1818. —Dmitriev, B. C. Reactions of iodides with lead. Analyst, Lond., 1941, 66: 507. —Hill, A. E., Willson, H. S., & Bishop, J. A. Ternary systems; sodium iodide, potassium iodide and water; sodium iodide, sodium iodate and water. J. Am. Chem. Soc., 1933, 55: 520-6. —Hull, D. E., Schifflett, C. H., & Lind, S. C. Exchange between sodium iodide and ethyl iodide. Ibid., 1936, 58: 1822. —Kyllin, H. Ueber die jodspaltende Fähigkeit der Phäophyceen. Zschr. physiol. Chem., 1930, 191: 200-10. —Lee, H. M., Van Arendonk, A. M., & Chen, K. K. A study of 23 quaternary ammonium iodides. J. Pharm. Exp. Ther., 1936, 56: 466-72. —Manuell, R. E. No es bromo el bromuro ni yodo el yoduro. Gac. méd. México, 1935, 66: 77-90. —Montagnon, D. Contribution à l'étude des iodures doubles de cuivre et d'ammonium. C. rend. Acad. sc., 1936, 203: 325-7. —Montignie, E. Etude des iodures d'arsenic et d'antimoine. Bull. Soc. chim. France, 1941, 5. ser., 8: 542-5. —Schoenheimer, R. The action of iodides on sterol dibromides and the preparation of cholestenone. J. Biol. Chem., 1935, 110: 461. —Stevens, P. G. Studies on acid iodides; the mechanism of ether cleavage. J. Am. Chem. Soc., 1940, 62: 1801. —Van Klooster, H. S., & Stearns, E. I. The binary system lead iodide—potassium iodide. Ibid., 1933, 55: 4121-3. —Vasiliev, A. M. [Eutectics of SnI₂ with J. AsI₃ and SbI₃] J. Russ. fiz. khim. obshch., khim. ch., 1917, 49: 88-91. —Woodard, H. Q. Factors influencing the decomposition of iodides by roentgen and gamma rays. Am. J. Roentg., 1935, 33: 227-34.

Iodide: Potassium [KI]

Aschenbrenner, E. J. *Die Resorptionsbedingungen von Jodkaliumklystieren unter dem Einfluss schleimiger Mittel [Giessen] 71p. 8° Nürnberg, 1910.

Hellwig, K. *Ueber Adsorption alkalischer Tierkohle gegenüber Jodkalium. 12p. 8° Giessen, 1926.

Nédey, J. *Le transit stomacal des diverses formes médicamenteuses; applications à l'iodure de potassium. 66p. 8° Par., 1912.

Stubenrecht, J. *Die Beeinflussung der Jodkaliumresorption durch Alkohol. 14p. 8° Giessen, 1927.

Avny. Etude sur le mode d'action de l'iodure de potassium. Rev. internat. tuberc., Par., 1908, 14: 705-7. —Baker, F. Potassium iodid; its use. California West. M., 1938, 48: 356. —Bond, W. K. Kali iodide. J. Am. Inst. Homeop., 1940, 33: 93. —Briggs, T. R., Clack, K. D. G. [et al.]. Polyiodides of potassium; the ternary system potassium iodide-iodine-water. J. Phys. Chem., 1940, 44: 350-72. —Chrétien, A., & Eich, E. Etude sur la réaction entre l'iodure de potassium et l'iodure de bismuth trivalent, en solution dans l'acétone. Bull. Soc. chim. France, 1937, 5. ser., 4: Mém., 1102-15. —Domenico, A. Sulla preparazione delle tavolette di ioduro di potassio. Gior. farm. chim., Tor., 1864, 13: 535. —Eversole, W. G., & Hanson, A. L. The activity coefficient of potassium iodide in sulfur dioxide from vapor-pressure measurements. J. Phys. Chem., 1943, 47: 1-9. —Fooks, C. C. Why potassium iodide should not be used in the treatment of tuberculosis. Delaware M. J., 1933, 5: 137. —Foote, H. W., & Bradley, W. M. Solid polyiodides of potassium. J. Phys. Chem., 1932, 36: 673-8. —Guéron, G., Guéron, J., & Prettre, M. Oxydation induite de l'iodure de potassium par l'ozone. C. rend. Acad. sc., 1935, 201: 1376-8. —Recherches sur l'oxydation par l'ozone de divers réactifs minéraux; II. Iodure de potassium. Bull. Soc. chim. France, 1936, 5. ser., 3: Mém., 1841-7. —Harris, S. E., & Christiansen, W. G. The solubility of potassium chloride in aqueous potassium iodide solutions. J. Am. Pharm. Ass., 1934, 23: 563-5. —Henning, N., & Jürgens, R. Ueber die Resorption alkoholischer Jodkaliumlösungen durch die gesunde und entzündete Magenschleimhaut. Deut. Arch. klin. Med., 1930, 167: 343-51. —Lifanux & Huynen. Contribution expérimentale à l'étude du mécanisme de l'action fondante de l'iodure de potassium. Ann. méd. vét., Brux., 1912, 61: 453-62 pl. —Meininger, J. Method for purifying potassium iodide. Med. Bull. Veterans Admin., 1936, 13: 263. —Meisens. Mémoire sur l'emploi de l'iodure de potassium pour combattre les affections saturnines, mercurielles et les accidents consécutifs à la syphilis. Presse méd. belge, 1864-65, 17: 237-9. —Montgomery, D. W. Iodid of potash; its interesting history. California West. M., 1940, 53: 22-4. —Rabe, R. F. Kali iodatum. J. Am. Inst. Homeop., 1936, 29: 569. —Rideal, E. K. The adsorption of iodine by potassium iodide. Proc. R. Soc., Lond., 1933, ser. A, 141: 217-32. —Schering, E. [Manufacture of potassium iodide] Ny pharm. tid., Kbh., 1879, 11: 105-8. —Siebert, W. J., & Thurston, E. W. The effects of combinations of KI with Armour's anterior pituitary, and KI with thyroid substance upon basal metabolism in guinea pigs. J. Pharm. Exp. Ther., 1932, 46: 293-301. —Sofisticazione dell'ioduro potassico col bromuro dello stesso metallo. Gior. farm. chim., Tor., 1872, 21: 193-8. —Sokalski, N. A. [Large doses of potassium iodide in the treatment of various diseases] Vrach. gaz., 1911, 18: 530-2. —Toyoma, T. Zersetzende Wirkung der Röntgenstrahlen auf Jodkalium. Tohoku J. Exp. M., 1934, 24: 405-9. —Zinno. Metodo semplice per riconoscere alcune sofisticazioni dell'ioduro potassico, biacca e tartaro di botte. Gior. farm. chim., Tor., 1874, 23: 295. —Zwintz, J. Ein Beitrag zur Kenntnis der Wirkungsweise des Jodkaliums. Wien. klin. Wschr., 1908, 21: 724. —Weitere Untersuchungen mit Jodkali. Wien. med. Wschr., 1909, 59: 925-8.

Iodide: Silver [AgI]

Bloch, R., & Möller, H. Ueber die Modifikationen des Jodsilbers. Zschr. phys. Chem., Abt. A, 1931, 152: 245-68. —Cohen, E., & Bredée, H. L. Der negative Ausdehnungskoeffizient des Jodsilbers. Ibid., 1936-37, 178: 184-6. —Cohen, E., & van Dobbenburgh, W. J. D. Die Metastabilität der Elemente und Verbindungen als Folge von Enantiotropie oder Monotropie; die physikalisch-chemischen Konstanten des Silberjodids. Ibid., 1928, 137: 289-334. —Danneel, H. Chemische Kinetik und freie Energie der Reaktion: $2\text{HJ} + 2\text{Ag} \rightleftharpoons 2\text{AgJ} + \text{H}_2$. Ibid., 1900, 33: 415-44. —Frumkin, A., & Obruchevea, A. Ueber einige Adsorptionsercheinungen an Silberjodid. Biochem. Zschr., 1927, 182: 220-32. —Gorochovsky, G. N. Elektrokinetische potential of silver iodide. J. Phys. Chem., 1935, 39: 465-75. —Protass, J. R. Stabilität der Silberjodidsole. Zschr. phys. Chem., Abt. A, 1935, 36, 174: 122-34. —Kruyt, H. R., & Gils, G. E. van. Elektrophoretische Untersuchungen am Silberjodid. Kolloid Zschr., 1937, 78: 32-40. —Lott, W. A., & Christiansen, W. G. A comprehensive study of the preparation of colloidal silver iodide and a report of its bacteriocidal and bacteriostatic value. J. Am. Pharm. Ass., 1932, 21: 141-5. —Luppo-Cramer. Chemisch erzeugte Keime im Jodsilber. Kolloid Zschr., 1941, 94: 184-8. —Obruchevea, A. Ueber einige Adsorptionsercheinungen an Silberjodid. Biochem. Zschr., 1929, 207: 25-7. —Pitzer, K. S. The heat capacity and entropy of silver iodide and their interpretation in terms of structure. J. Am. Chem. Soc., 1941, 63: 516-8. —Sédan, J. De l'emploi de l'iodure d'argent naissant en oculistique. Ann. ocul., Par., 1932, 169: 137-40.

Iodide: Sodium [NaI]

LORRMANN [H.] G. *Ueber die Resorption von Jodnatriumlösung im Dünndarm. 19p. 8°. Lpz., 1937.

Briggs, T. R., & Geigle, W. F. Note on the system sodium iodide-water. *J. Phys. Chem.*, 1940, 44: 373-7.—Davis, T. L., & Heggie, R. Effect of groups on reaction rate; reaction of α , β -dibromides with sodium iodide. *J. Org. Chem.*, 1937-38, 2: 470-9.—Eichler, O. Versuche, um Gesetzmäßigkeiten in der Verteilung und Empfindlichkeit im Zusammenhang mit Veränderungen der extracellulären Räume bei mit NaI behandelten Fröschen aufzufinden. *Arch. exp. Path., Berl.*, 1941, 198: 442-71. — & Eichler, L. Wirkung von Natriumjodid in verschiedenen Konzentrationen auf die Ausscheidung anorganischer Substanzen beim Frosch. *Ibid.*, 1942, 199: 39-54. — Vergleich Zwischen NaCl und NaI in Ausscheidung und Wirkung auf die Abgabe anderer anorganischer Substanzen beim Frosch. *Ibid.*, 55-65.—Koelsch, C. F., & White, R. V. The preparation of some chloromethylindenes and the determination of their reactivities towards sodium iodide. *J. Org. Chem.*, 1941, 6: 602-11.—Sodium iodide. *J. Am. M. Ass.*, 1941, 116: 595.

Iodonium salts [R-I-OH]

Lucas, H. J., Kennedy, E. R., & Wilmut, C. A. The decomposition of di-ortho-thyloiodonium iodide. *J. Am. Chem. Soc.*, 1936, 58: 157-60.—Medlin, W. V. The I-I bond in diphenyliodonium iodide. *Ibid.*, 1935, 57: 1026.—Sandin, R. B., Kulka, M., & McCready, R. The decomposition of some iodonium salts. *Ibid.*, 1937, 59: 2014.

Ionization and electrophoresis.

Adler, P. An improved control in laboratory investigations on the polar transport of iodine. *Dent. Items*, 1941, 63: 955-7.—Birr, E. J. Anomale Elektrolyse; die elektrische Leitfähigkeit von Jod und Jodverbindungen in Ketonen. *Zschr. phys. Chem., Abt. A*, 1933, 165: 311-22.—Brillouët, R. Les ions et particulièrement l'ion iodé: étude physique et thérapeutique. *Ann. Electrob., Lille*, 1908, 11: 721-52.—Desgrez, H. Technique et indications de l'ionothérapie électrique à l'iodé. *Progr. méd., Par.*, 1934, 863-5.—Grain, R. L'ionisation iodée en otologie et en laryngologie. *Rev. méd., Par.*, 1933, 50: 646-67.—Halpern, F., & Kamin, M. Ueber eine neue Form der Jodbehandlung mit Jonoiod. *Klin. Wschr.*, 1932, 11: 724.—Kogan, R. M. [Penetration of ions of iodine into the cranial cavity in iontophoresis]. *J. nevropat. psikhiat. Moskva*, 1927, 20: 239-43.—Plotnikow, W. A., Fialkow, J. A., & Tschalij, N. P. Elektrische Leitfähigkeit der Lösungen von LiJ, NaJ und RbJ in flüssigem Jod. *Zschr. phys. Chem., Abt. A*, 1935, 172: 304-13.—Reuys, H. Ueber Jodonascin. *Med. Klin., Berl.*, 1936, 32: 776.—Roger, H., & Vigne, P. Pigmentation cutanée de la face consécutive à un traitement bismuthique, probablement provoquée par l'ionisation iodurée. *Marseille méd.*, 1937, 74: pt 1, 143-6.—Scholtz, H. G. Wesen und Technik der Jod-Iontophorese. *Deut. Zahn- & Heilk.*, 1936, 3: 129-31. — Erfahrungen mit Jodiontophorese. *Hippokrates, Stuttgart*, 1936, 7: 331.—Scherbak, A. Zur Frage der Jod-Iontophorese überhaupt und der Jod-Ionenführung in die Schädelhöhle und das Gehirn mittels galvanischen Stromes; eine elektrische Jod-Ionen-Probe. *Mschr. Psychiat.*, 1928, 70: 1-34.—Taubes, H. The production of atomic iodine in the reaction of peroxides with iodide ion. *J. Am. Chem. Soc.*, 1942, 64: 161-5.—Unonius, E. Jodresorptionen vid jodiontophorese; en experimentell studie. *Nord. med.*, 1941, 10: 1618-21.—Zherebtzov, N. V. [Application of transcranial iontophoresis]. *J. nevropat. psikhiat., Moskva*, 1928, 21: 182-94.

Manufacture, recovery and supply.

Ameen, W., & Karlsson, B. Recovery of iodine and iodine compounds. *Analyst, Lond.*, 1942, 67: 179 (Abstr.)—Bud-zilevich, S. I. [On the economical use of iodine]. *Sovet. med.*, 1939, No. 6, 56.—[Factory mass production of potassium iodide from the kelp-mother liquor]. *Ny pharm. tid., Kbh.*, 1873, 5: 201.—[Germany]. Polizeiverordnung über die Abgabe von Iod und seinen Zubereitungen in den Apotheken, 13. September 1939. *Vorschr. sächs. Vet.*, 1939, 34: 145.—Holland, A. La fabrication de l'iodé. *Rev. gén. sc. pur.*, 1926, 37: 674-9.—[Manufacture of iodine]. *Ny pharm. tid., Kbh.*, 1879, 11: 84-9.—[News in the iodine industry and classification of iodine]. *Ibid.*, 1880, 12: 90-5.—Plummer, W. A. The quest for iodine. *Hygeia, Chic.*, 1936, 14: 527-71.—Pisarszewski, L., & Averkiev, N. [Catalytic method of precipitating iodine from solutions]. *J. Russ. fiz. khim. obsch.*, *khim. ch.*, 1915, 47: 2057-60.—Pisarszewski, L., & Tely, S. [Electrolytic method in obtention of iodine from solutions]. *Ibid.*, 2060-3.—Polizeiverordnung über die Aufhebung der ärztlichen Verschreibungspflicht für Jod, Jodverbindungen und deren Zubereitungen. *Vorschr. sächs. Vet.*, 1941, 36: 23.—Production of iodine. *J. Am. M. Ass.*, 1936, 107: 2054.—Seel, H. Möglichkeiten der Jodeinsparung und des Jodaustausches in der Therapie bei innerlicher und äusserlicher Anwendung. *Med. Klin., Berl.*, 1940, 36: 380-2.—Slannia, G. Zur Frage der Einsparung von Jod. *Fortsch. Med.*, 1941, 59: 98.—Zalkindsonas, O. [Method of recovery of iodine from unused hospital tampons and dressings]. *Medicina, Kaunas*, 1941, 22: 256-8.

Metabolism.

See also Blood chemistry, Iodine.

FISCHBACH, K. *Nachweis der Jodbindung beim Durchgang durch den Organismus durch die Jodionenkatalyse. 21p. 8°. Giessen, 1933.

Bassett, A. M., Coons, A. H., & Salter, W. T. Protein-bound iodine in blood; naturally occurring iodine-fractions and their chemical behavior. *Am. J. M. Sc.*, 1941, 202: 516-27.—Berger, F. Der innere Kreislauf des Jodids beim Menschen. *Klin. Wschr.*, 1929, 7: 118.—Blum, F. Anmerkungen zu dem Aufsatz: Thyreogenes und nichtthyreogenes Jod von J. Abelin. *Schweiz. med. Wschr.*, 1940, 70: 217.—Bruger, M., Hinton, J. W., & Lough, W. G. The iodine content of blood, urine, and saliva of normal persons in the New York City area. *J. Lab. Clin. M.*, 1940-41, 26: 1942-4.—Charvát, J., & Hejda, R. [Circulation of iodine in the organism]. *Cas. lek. česk.*, 1926, 65: 1318; 1409.—Cole, V. V., & Curtis, G. M. Iodine balance studies on the white rat. *J. Biol. Chem.*, 1935, 109: Proc., p. xxii. — Human iodine balance. *J. Nutrit.*, 1935, 10: 493-506.—Combes, T. J. C. Estudio sobre la iolemia total y su relación con el metabolismo de base. *Actas Congr. panamer. endocr.*, 1941, 2. Congr., 62-8.—Concas, G. Studi sul metabolismo e sull'importanza dell'iodio nei bambini. *Riv. clin. pediat.*, 1936, 34: 727-51.—Elmer, W. [Metabolism of iodine]. *Polska gaz. lek.*, 1932, 11: 896-9. — [Research on iodine metabolism]. *Ibid.*, 1933, 12: 72-4; 206-8.—Fellenberg, T. von. Untersuchungen über den Jodstoffwechsel. *Biochem. Zschr.*, 1926, 174: 341-54. Also *Mitt. Lebensmittelforsch.*, Bern, 1926, 17: 223-42; 1927, 18: 108-12. — Das Vorkommen, der Kreislauf und der Stoffwechsel des Jods. *Erg. Physiol.*, 1926, 25: 176-363.—Fiori, C. Studi sul metabolismo e sull'importanza dell'iodio nei giovani organismi. *Riv. clin. pediat.*, 1936, 34: 889-907.—Gutzeit, K., & Parade, G. W. Blutjodstudien; der Jodquotient. *Zschr. klin. Med.*, 1937-38, 133: 522-5.—Hamilton, J. G., & Soley, M. H. A comparison of the metabolism of iodine and of element 85 (Eka-iodine). *Proc. Nat. Acad. Sc. U. S.*, 1940, 26: 483-9. — Studies in iodine metabolism by the use of a new radio-active isotope of iodine. *Am. J. Physiol.*, 1939, 126: 127; 521; 557.—Iodine (The) content of the blood. *Med. J. Australia*, 1941, 1: 555.—Jäger, H. Untersuchungen über den Jodstoffwechsel der Bevölkerung Südbadens. *Deut. Arch. klin. Med.*, 1938, 182: 300-10. — Jodstoffwechselerrechnungen. *Ibid.*, 1940, 186: 223.—Leblond, C. P. Entrée et sort de l'iodé dans la thyroïde et dans l'organisme en général. *Rev. canad. biol.*, 1942, 1: 402-53.—Lipschitz, W. Die Bedeutung des inneren Kreislaufes für Kristalloide, speziell das Jodion. *Klin. Wschr.*, 1929, 7: 116.—Löhr, H. Beiträge zur Kenntnis des Jodstoffwechsels; experimentelle Untersuchungen über die Aufnahme des Jods beim Menschen aus der Umgebung. *Arch. exp. Path., Berl.*, 1936, 182: 132-40.—Macciotta, G. Sui rapporti tra iolemia e metabolismo basale nei bambini. *Acta paediat.*, Upps., 1938, 22: 156. Also *Riv. clin. pediat.*, 1938, 36: 425-9.—McClendon, J. F. Iodine metabolism. In *Cyclop. Med.* (Piersol-Bortz) Phila., 1939, 10: 138-44.—Maurer, E. Untersuchungen zur Frage des Jodstoffwechsels. *Mschr. Kinderh.*, 1928, 38: 98-100.—Newcomb, C., & Sankaran, G. A note on iodine metabolism. *Tr. Far East. Ass. Trop. M.*, 1927, 7. Congr., 3: 329-34.—Niklas, H., Schwaibold, J., & Scharrer, K. Ueber den Chemismus des tierischen Jodstoffwechsels. *Biochem. Zschr.*, 1926, 170: 300-10.—Pfeiffer, G. Die Transformation von ionisiertem und biologischem Jod. *Ibid.*, 1929, 215: 197-202. — & Courth, H. Der Transport und die Transformation organisches gebundenen Pflanzenjods im Tierkörper. *Ibid.*, 213: 74-85.—Piras, E. Studi sul metabolismo e sulla importanza dell'iodio nei giovani organismi. *Riv. clin. pediat.*, 1936, 34: 908-32, 2 ch.—Remington, R. E., Harris, P. L., & Smith, C. L. Relationship between vitamin A and iodine metabolism in the rat. *J. Nutrit.*, 1942, 24: 597-606.—Salter, W. T., & Bassett, A. M. A physiological interpretation of blood iodine fractions in terms of thyroid function, in 100 cases. *Tr. Ass. Am. Physicians*, 1941, 56: 77-86.—Scharer, K., & Schwaibold, J. Ueber den Chemismus des tierischen Jodstoffwechsels. *Biochem. Zschr.*, 1927, 180: 307; 334. — Fortgesetzte Untersuchungen über den Chemismus des tierischen Jodstoffwechsels. *Ibid.*, 1929, 213: 32-9.—Scheffer, L. Ueber den normalen menschlichen Jodstoffwechsel. *Sunti Congr. internaz. fisiol.*, 1932, 14. Congr., 225. — Ueber die Jodbilanz normaler Menschen. *Biochem. Zschr.*, 1933, 259: 11-8.—Scheringer, W. Ueber den Jodstoffwechsel des Weibes. *Deut. med. Wschr.*, 1931, 57: 883-5.—Silver, S. The nature of the blood iodine; preliminary report. *J. Mount Sinai Hosp. N. York*, 1940-41, 7: 97. — Nature of the blood iodine; nature of the plasma iodine. *Proc. Soc. Exp. Biol. N. Y.*, 1941, 46: 213-5.—Wallace, G. B., & Brodie, B. B. The distribution of administered iodine and thiocyanate in comparison with chloride, and their relation to body fluids. *J. Pharm. Exp. Ther.*, 1937, 61: 397-411.—Yezuriha, T. Studies on iodine metabolism. *Tr. Jap. Path. Soc.*, 1932, 22: 245-50; 1933, 23: 96-100.

Metabolism: Disorder.

See also Goiter, Etiology: Iodine deficiency; Thyroid, Disease.

Elmer, A. W. Beiträge zum Jodstoffwechsel im menschlichen Organismus; der Blutjodspiegel und die Harnjodausscheidung nach einmaliger intravenöser Injektion von anorga-

nischem Jod bei Hypothyreosen. Deut. Arch. klin. Med., 1932-33, 174: 449-55.—**Giordanengo, G.** Ricerche sperimentali sul bilancio negativo dello jodio. Minerva med., Tor., 1936, 27: pt 2, 594-602.—**Itô, N.** Iodine metabolism of patients suffering from endemic goitre in Jehol; urinary excretion of iodine. J. Orient. M., Dairen, 1938, 28: 48.—**Jackson, C. M., & P'An, M. T.** The effects of dietary deficiency of iodine upon the thyroid and parathyroid glands in the rat. Endocrinology, 1932, 16: 146-52.—**Leblond, C. P., & Mann, W.** Fixation of iodine by thyroids of rats given diets deficient in iodine. Proc. Soc. Exp. Biol., N. Y., 1942, 49: 102-5.—**Lerman, J.** Iodine components of the blood; circulating thyroglobulin in normal persons and in persons with thyroid disease. J. Clin. Invest., 1940, 19: 555-60.—**McCarrison, R., & Newcomb, C.** Level of iodine-metabolism, insanitary conditions of life and goitre; a statistical examination of the experimental data. Ind. J. M. Res., 1929-30, 17: 1061-100, 5 pl.—**Masson, P.** Ueber die Verteilung des Jods in der normalen und in der sklerotischen Gefäßwand. Schweiz. med. Wschr., 1941, 71: 1042-4.—**Mora, J. M.** Iodine, sea sponge and goiter. Hygiea, Chic., 1942, 20: 174.—**Parade, G. W.** Die Pathophysiologie des Blutjodspiegels. Wien. klin. Wschr., 1941, 54: 447-50.—**Perkin, H. J., Lahey, F. H., & Cattell, R. B.** Blood iodine studies in relation to thyroid disease; basic concept of the relation of iodine to the thyroid gland; an iodine tolerance test. N. England J. M., 1936, 214: 45-52.—**Schmitz-Moormann, P., & Meis, F.** Jodmangel und Struma; experimentelle Studie zur Frage der Abhängigkeit des Grössenwachstums der Schilddrüse von der Jodzufuhr. Mitt. Grenzgeb. Med. Chir., 1928, 40: 131-53.—**Takei, U.** Relation between endemic goitre in the Jehol district and the iodine content in principal food produced in that district. J. Orient. M., Dairen, 1937, 27: 134; 136.—**Turner, K. B., Delamater, A., & Province, W. D.** Observations on the blood iodine; the blood iodine in health, in thyroid and cardiovascular disease, and in leukemia. J. Clin. Invest., 1940, 19: 515-24.—**Van Dyke, H. B.** Iodine compounds; their selective adsorption by the hyperplastic thyroid gland of the dog. Arch. Int. M., 1928, 41: 615-21.

Metabolism: Elimination.

BOHNE, H. *Die Ausscheidungsverhältnisse des Jods im Harn des Gesunden bei Darreichung 6 verschiedener Jodpräparate [Kiel] 16p. 8°. Grünberg, 1929.

BULACH, M. *Jodausscheidung nach Eingabe von Jodopyrin. 14p. 8°. Giessen, 1926.

DEPARADE, W. *Jodausscheidungen nach Jodtroponeingabe. 21p. 8°. Giessen, 1928.

HECKER, F. [F.] *Einfluss der Dosierung von Jodpräparaten auf den Jodgehalt der Organe und des Urins. 25p. 8°. Giessen, 1927.

KAUFMANN, A. *Jodausscheidung nach einmaliger Jodkaliumgabe. Sp. 8°. Giessen, 1925.

PLOSKOW, D. *Studien zur Jodausscheidung. 24p. 8°. Münch., 1925.

PROESER, W. *Qualitative Untersuchungen an inneren Kranken über die Jodausscheidung im Harn bei medikamentöser Jodzufuhr. 38p. 8°. Berl., 1936.

RASCHE, W. *Ueber Jodausscheidung in der Milch bei Eingaben von Jodkalium [Giessen] 19p. 8°. Mülheim, 1928.

ROTHFUCHS [E. T.] G. *Die Ausscheidung von anorganischem Jod in den Magen nach peroralen Jodgaben, Jodanstrichen und Inhalieren mit Lugolscher Lösung [Kiel] 11p. 23½cm. Hermannsb., 1935.

SCHADT, P. *Jodausscheidung im Urin nach Eingabe kleiner Jodkaliummengen. Sp. 8°. Giessen, 1925.

SCHOLZ, T. *Jodausscheidung nach einmaliger intravenöser Injektion von Jodkali beim Hunde. 11p. 8°. Giessen, 1925.

SRUDENI, A. *Untersuchungen über die physiologische Ausscheidung der Jodpräparate. 31p. 8°. Zür., 1897.

TERBRÜGGEN, F. *Jodausscheidung nach Einspritzung von Jodopyrin ins Blut. 12p. 8°. Giessen, 1926.

WURTH, A. *Das Jodkalium und seine Ausscheidung im Harn der Haustiere. 76p. 8°. Giessen, 1909.

Arkussky, Y. I. [Increased elimination of iodine from the organism by the action of Roentgen rays]. Vest. rentg., 1928, 6: 501-5.—**Basal metabolism and iodine excretion during pregnancy.** J. Am. M. Ass., 1935, 105: 1525.—**Carrasco Cadenas, E., Jiménez, F. [et al.]** La eliminación de yodo por la orina en individuos normales sometidos a la sal yodada. Actas Congr. nac. san., Madr. (1934) 1935, 1. congr., 4: 34-40. Also Arch. méd., Madr., 1934, 37: 843-6.—**Curtis, G. M., & Puppel, I. D.** The normal urinary iodine of man. Annual Meet. Centr. Soc. Clin. Res., 1936, 9: 17 (Abstr.). Also J. Am. M. Ass., 1937, 108: 590.—**Dmitriev, A. I.** [Excretion of iodine by the glands of the urinary tract in men]. Urologia, Moskva, 1936, 13: 68-73.—**Elmer, A. W., & Ryehlik, W.** Recherches comparatives sur l'excrétion d'iode par l'urine, après ingestion d'iode minéral, de thyroxine et de diiodotyrosine. C. rend. Soc. biol., 1934, 115: 1719-22.—**Flexner, J., Ruger, M., & Member, S.** The excretion of iodine by the salivary and gastric glands. Fed. Proc., Balt., 1942, 1: pt 2, 109 (Abstr.).—**Gjaldhæk, J. K., & Warburg, E. J.** De l'élimination de l'iode après l'administration de Lugol liquide, d'iode de sodium et des préparations iodées dites colloïdales. Acta med. scand., 1936, Suppl. 78, 762-77. Also Ugeskr. heger, 1936, 98: 67-73.—**Greenbaum, F. R., & Raiziss, G. W.** The elimination of iodine after oral or intravenous administration of various iodine compounds in single massive doses. J. Pharm. Exp. Ther., 1926-27, 30: 407-27.—**Ibuki, T.** Syncholie und Syncholia; über die Ausscheidung jodhaltiger Körper durch Galle und Harn nach Tierversuchen. Arch. exp. Path., Lpz., 1927, 124: 370-84.—**Itô, H.** Ueber den Einfluss verschiedener Bedingungen auf die Jodausscheidung der Nieren. Jap. J. M. Sc., 1934-35, 8: H. 3, Pharm., 70.—**Krayer, O.** Ueber Verteilung und Ausscheidung des Jodes nach Zufuhr von Schilddrüsenstoffen. Arch. exp. Path., Lpz., 1928, 128: 116-25.—**Lunde, G.** Untersuchungen über den Jodstoffwechsel; über die Jodausscheidung durch den Harn von Bewohnern eines norwegischen Kropfgebietes. Biochem. Zschr., 1928, 193: 94-104.—**Mantegazza, A.** Ricerche comparative sulla eliminazione quantitativa dello jodio dopo somministrazione di joduri alcalini e alcalino-terrosi. Biochem. ter. sper., 1930, 17: 16-25.—**Mayr, J. K.** Studien zur Jodausscheidung. Derm. Zschr., 1926, 49: 153-9.—**Sicard, Fabre & Forestier.** Elimination urinaire de l'iode iodée. Bull. Soc. méd. hôp. Paris, 1923, 3. ser., 47: 315-7.—**Smith, W. W., & Ranges, H. A.** Renal clearances of iopax, neoipax and skiodan in man. Am. J. Physiol., 1938, 123: 720-4.—**Szász, E.** Ueber Jodausscheidung im Hörschlund, von 1000m ü. M. Verhber. Internat. Kropfkongr. (1933) 1935, 2. Kongr., 275-83.—**Toyama, M.** Ueber die Einflüsse der Milz und der vegetativen Nervengifte auf Jodausscheidung. Jap. J. M. Sc., 1938, 11: Proc. Pharm., 32-4.—**Virtanen, A. J., & Virtanen, E.** Iodine content of human urine and daily diet in Finland. Acta med. scand., 1940, 105: 268-72, map.—**Vitali, D.** Se le urine contengono iodo organico in seguito a somministrazione di iodo di potassio. Gior. farm., Trieste, 1898, 3: 40; passim.

Metabolism: Regulation.

Chapman, A. The relation of the thyroid and the pituitary glands to iodine metabolism. Tr. Am. Ass. Goiter, 1941, 169-76. Also Endocrinology, 1941, 29: 680-5.—**Extrathyroidal iodine metabolism.** Ibid., 686-94. Also Surg. Gyn. Obst., 1942, 74: 483-6.—**DeCourcy, J. L.** Iodine metabolism, normal and abnormal; its relation to the reticulo-endothelial system. Tr. Am. Ass. Goiter, 1937, 133-9. Also West. J. Surg., 1937, 45: 432-8.—**Elmer, W., & Luczynski, Z.** [Role of the liver in iodine metabolism]. Polska gaz. lek., 1935, 14: 851-4.—**Morton, M. E., Perlman, I. [et al.]** Radioactive iodine as an indicator of the metabolism of iodine; the effects of hypophysectomy on the distribution of labeled thyroxine and diiodotyrosine in thyroid gland and plasma. Endocrinology, 1942, 30: 495-501.—**Perkin, H. J., & Brown, B. R.** The influence of the thyroid gland and of the ovary on the metabolism of iodine; an experimental study in the dog. Ibid., 1938, 22: 538-42.—**Perlman, I., Chaikoff, I. L., & Morton, M. E.** Radioactive iodine as an indicator of the metabolism of iodine; the turnover of iodine in the tissues of the normal animal, with particular reference to the thyroid. J. Biol. Chem., 1941, 139: 433-47.—**Salter, W. T., Bassett, A. M., & Sappington, T. S.** Protein-bound iodine in blood; its relation to thyroid function in 100 clinical cases. Am. J. M. Sc., 1941, 202: 527-42.—**Schittenhelm, A., & Fiesler, B.** Ueber die Verteilung des Jodes im Zentralnervensystem von schilddrüsenlosen Tieren. Zschr. ges. exp. Med., 1933, 86: 294-8.—**Sturm, A.** Beiträge zur Kenntnis des Jodstoffwechsels; Einfluss des Zwischenhirns beziehungsweise der Hypophyse auf den Jodstoffwechsel. Ibid., 1934, 93: 490-501.—**Toyama, M., & Buchholz, B.** Jodverteilung im menschlichen und tierischen Organismus in ihrer Beziehung zur Schilddrüse. Deut. Arch. klin. Med., 1928, 161: 227-47.—**Yuzuriha, T.** Study of the iodine metabolism with particular reference to the significance of the role played by the reticulo-endothelial system. J. Chosen M. Ass., 1935, 25: 144-7.

Metabolism: Storage, and distribution.

See also Thyroid.

BRANTSCHIEFF, B. *Untersuchungen über Menge und Dauer der Speicherung von Jod in

Organen des Kaninchens nach peroraler und rectaler Einverleibung. 27p. 8°. Münch., 1927.

BUCHHOLZ, B. [G. R.] *Ueber den Jodgehalt menschlicher Organe [Jena] p. 188-97. 8° [Berl., 1929]

Also Zschr. ges. exp. Med., 1928, 63:

DENTSCHKEFF, I. *Ueber den Jodgehalt innerer Organe nach peroraler Zufuhr verschiedenartig gebundenen Jodes; mit experimentellen Beiträgen zur Frage der Speicherung von als Jodkali und als Jodtropen zugeführtem Jod in inneren Organen von Kaninchen (Auszug) 12p. 8°. Münch., 1927.

ELMER, A. W. Iodine metabolism and thyroid function. 605p. 23½cm. Lond., 1938.

HECKER, H. *Ueber die Verteilung zu therapeutischen Zwecken eingeführten Jodes, speziell Kaliumjodids, im Organismus des Kaninchens. 20p. 8°. Münch., 1927.

HIRSCH, O. *Beitrag zur Frage der Speicherung von Jod im tierischen Organismus bei peroraler Zufuhr kleiner Mengen vorzugsweise organisch gebundenen Jods. 28p. 8°. Münch., 1927.

KRESTEFF, A. *Ueber den Mineral- speziell den Jodgehalt innerer Organe mit experimentellen Beiträgen zur Frage der Jodspeicherung bei Kaninchen nach peroraler Eingabe von anorganisch gebundenem Jod. 20p. 8°. Münch., 1927.

LAUBINGER, W. *Zur Verteilung des Jods im Zentralnervensystem von Mensch und Tier unter normalen Bedingungen [Kiel] 20p. 23cm. Einfeld, 1937.

PALASOFF, W. Ueber die mineralischen Bestandteile des tierischen und menschlichen Organismus mit besonderer Berücksichtigung des Jods. 41p. 8°. Münch., 1926.

SCHNEEBERG, R. *Die Jodverteilung im Gehirn unter besonderer Berücksichtigung ihrer Beziehung zur Schilddrüse. 23p. 8° [Jena] 1932.

WEBER, W. *Zur Frage der Jod-Speicherung in Organen. 19p. 8°. Basel, 1930.

Also Schweiz. med. Wschr., 1930, 60: 237-7.

Baeta Viana. Tireoide e metabolismo do iodo. Atas Congr. paul. psicol. (1938) 1939. 1. Congr., 379. Also Rev. neur. psiquiat. S. Paulo, 1942, 8: 31.—Barkan, G., & Leister, W. Das Verhalten des Jodes in der Körpersäften nach Verflüchtung von Jodalkalien und Jodeisweiss. Klin. Wschr., 1929, 7: 117.—Baumann, E. J., & Metzger, N. Iodine in pituitary and some other tissues. J. Biol. Chem., 1939, 127: 111-5.— & Marine, D. Comparison of the activity and distribution of iodine, in reptilian and mammalian thyroids. Proc. Soc. Exp. Biol., N. Y., 1942, 51: 110.—Bónis, I. [Metabolism of iodine and thyroid function] Orr. letit., 1935, 79: 99.—Buttaro, C. A., & Ficari, A. Ricerche quantitative sulla distribuzione e sulle variazioni dello iodo nei tessuti animali durante i vari periodi dell'anno. Riv. biol., 1938, 26: 257-72.—Cruickshank, E. M. Observations on the iodine content of the thyroid and ovary of the fowl during the growth, laying, and moulting periods. Biochem. J., Lond., 1929, 23: 1044-9.—Fellenberg, T. von. Versuche über die Jodspeicherung in den einzelnen Organen. Biochem. Zschr., 1929, 174: 355-63.

Ueber den Jodstoffwechsel und über die Verteilung des Jods in einzelnen Organen. Klin. Wschr., 1926, 5: 1392.—Gala, A. [Finding of iodine in aqueous humor after use of different iodized salts] Cas. lek. česk., 1928, 67: 121-5.—Gildea, E. F., & Mann, E. B. Distribution of iodine in blood serum and cerebrospinal fluid. Tr. Am. Neur. Ass., 1942, 68: 80-2. Also Arch. Neur. Psychiat., Chic., 1943, 49: 93-7.—Gorman, A. Identity of an iodine-storing tissue in an ascidian. Science, 1941, 94: 192.— & Creaser, C. W. Accumulation of radio-active iodine by the endostyle of lampreys. Anat. Rec., 1941, 81: Suppl., 55 (Abstr.)—Kato, S. Ueber die Verteilung des in den Körper eingeführten Jods auf verschiedene Organe. Tohoku J. Exp. M., 1936, 29: 431-41.—Leblond, C. P. Histological localization of the iodine entering the thyroid gland as revealed by the use of radio-iodide. Anat. Rec., 1942, 82: 429 (Abstr.)— & Süe, P. Iodine fixation in the thyroid as influenced by the hypophysis and other factors. Am. J. Physiol., 1941, 134: 649-61.—Influence of hypophysis on the thyroid uptake and general distribution of radioactive iodine. Anat. Rec., 1941, 79:

Suppl. No. 2, 42.—Lunde, G., Closs, K., & Walfert, K. Untersuchungen über den Jodstoffwechsel; über den Jodgehalt von normalen und pathologisch veränderten Schilddrüsen. Biochem. Zschr., 1929, 206: 248-60.—Mann, E. B., Lavietes, P. L., & Riggs, D. S. Distribution of iodine in blood, ultrafiltrates, and cerebrospinal fluid. Proc. Am. Soc. Biol. Chem., 1941, 35. Meet., 82. Also J. Biol. Chem., 1941, 140: Proc., 82.—Mann, W., & Leblond, C. P. Chemical transformation of the iodine fixed by the thyroid gland. South. Surgeon, 1942, 11: 828-39.— & Warren, S. Iodine metabolism in the thyroid gland. Fed. Proc., Balt., 1942, 1: pt 2, 123 (abstr.)—Maurer, E., & Dietz, S. Untersuchungen über das Vorkommen von Jod im menschlichen und tierischen Organismus. Münch. med. Wschr., 1926, 73: 17-20.—Maurer, E., & Ducrue, H. Der Jodgehalt im normalen tierischen Organismus. Biochem. Zschr., 1928, 193: 356-9.— Zur Kenntnis des Jods als biogenes Element; der Jodgehalt im normalen tierischen Organismus. Ibid., 1930, 217: 227-30.— & Palasoff, W. Untersuchungen über das Vorkommen von Jod im menschlichen und tierischen Organismus. Münch. med. Wschr., 1927, 74: 271-3.—Mayrhofer, A., Schneider, C., & Wasitzky, A. Biochemische Studien über das Vorkommen kleiner Mengen von Jod und Fluor im Organismus. Biochem. Zschr., 1932, 251: 70.—Morton, M. E., & Chaikoff, I. L. The formation in vitro of thyroxine and diiodotyrosine by thyroid tissue with radio-active iodine as indicator. J. Biol. Chem., 1943, 147: 1-9.—Morton, M. E., Chaikoff, I. L. [et al.] Radioactive iodine as an indicator of the metabolism of iodine; the formation of thyroxine and diiodotyrosine by the completely thyroidectomized animal. Ibid., 1943, 147: 757-69.—Peabody, W. A. Iodine retention and distribution in rabbits. J. Am. Pharm. Ass., 1931, 20: 551-5.—Perlman, I., Morton, M. E., & Chaikoff, I. L. Radioactive iodine as an indicator of the metabolism of iodine; the rates of formation of thyroxine and diiodotyrosine by the intact normal thyroid gland. J. Biol. Chem., 1941, 139: 449-56.— Radioactive iodine as an indicator of the metabolism of iodine; the distribution of labeled thyroxine and diiodotyrosine in liver, muscle and small intestine. Endocrinology, 1942, 30: 487-94.—Pfeiffer, G. Der Gallen- und Schilddrüsenjodgehalt bei Rindern unter dem Einfluss jahreszeitlicher Fütterumstellung. Biochem. Zschr., 1931, 230: 290-8.—Scharrer, K., & Schwaibold, J. Tierische Organe und Produkte und deren Jodgehalt. Ibid., 1928, 195: 228-32.—Schittenhelm, A., & Eisler, B. Ueber die Verteilung des Jodes im Zentralnervensystem bei Mensch und Tier. Zschr. ges. exp. Med., 1933, 86: 290-3.—Shoemaker, H. A., & Underhill, F. P. The distribution of chlorides and iodides in the skin and muscles of the rabbit after administration of potassium iodide. J. Pharm. Exp. Ther., 1932, 44: 23-42.—Sturm, A., & Schneeberg, R. Beiträge zur Kenntnis des Jodstoffwechsels; das Gehirnjod. Zschr. ges. exp. Med., 1933, 86: 665-74.

Metabolism: Variation.

Clarke, E. L., & Boyd, E. M. A seasonal study of the iodine content of the blood of birds. J. Biol. Chem., 1940, 135: 691-5.—Cole, V. V., & Curtis, G. M. Iodine metabolism of the adult rat in relation to trauma, thyroid activity and diet. J. Pharm. Exp. Ther., 1936, 56: 351-8.—Concas, G. Studi sul metabolismo e sull'importanza dell'iodio nei bambini, contenuto in iodio del liquido cefalo-lachidiano di bambini fra la nascita e 7 anni. Riv. clin. pediat., 1936, 34: 882-8.—Gaebler, O. H., & Strohmayer, R. F., Jr. Blood iodine in dogs receiving thyroxin or phlorizin. Proc. Soc. Exp. Biol., N. Y., 1942, 51: 343-5.—Löhr, H., & Wilmanns, H. Ueber die Verteilung des Jods im Gehirn unter normalen Bedingungen und nach Jodzufuhr. Verh. Deut. Ges. inn. Med., 1937, 49. Kongr., Sekt. inn. Med., 293-8.—Maurer, E., & Ducrue, H. Die Beeinflussbarkeit des Jodgehaltes im tierischen Organismus durch perorale Zufuhr geringer Mengen anorganisch gebundenen Jods. Biochem. Zschr., 1928, 193: 360-3; 1930, 217: 231-5.—Morton, M. E., Perlman, I., & Chaikoff, I. L. Radioactive iodine as an indicator of the metabolism of iodine; the effect of thyrotropic hormone on the turnover of thyroxine and diiodotyrosine in the thyroid gland and plasma. J. Biol. Chem., 1941, 140: 603-11.—Ohta, A. Influence of quinine derivatives upon the iodine content of endocrine organs. Sci. kai, 1934, 53: No. 585, 3.—Pérez, M. L., Linger, L., & Müller, A. La iodemia en el embarazo y puerperio. Dis. méd., B. Ar., 1934-35, 7: 293-300.—Perkovsky, G. L'ectio des radiations solaires sur la fixation de l'iodo. C. rend. Soc. biol., 1933, 115: 944-6.—Pineussen, L., & Roman, W. Ueber den Einfluss der Bestrahlung auf die Fraktionen des Jods und Broms im Tierkörper, besonders nach Zufuhr von Jodsalzen. Biochem. Zschr., 1929, 216: 336-61.—Salter, W. T. Fluctuations in body iodine. Physiol. Rev., 1940, 20: 345-76.—Scheringer, Experimentelle Untersuchungen über hormonale Einflüsse auf den Jodstoffwechsel des Weibes. Arch. Gyn., Berl., 1930-31, 144: 270. [Discussion] 276-8.—Schittenhelm, A., & Eisler, B. Ueber die Verteilung des Jodes im Zentralnervensystem nach Zufuhr von Schilddrüsenstoffen. Zschr. ges. exp. Med., 1933, 86: 275-89.— Blutjodspiegel und dessen Beeinflussung durch sympathicomimetische Pharmaca in ihrer Abhängigkeit von Nervensystem und Schilddrüse. Ibid., 309-30.—Toxopeus, M. A. B. Die Verteilung des Jods im Organismus unter normalen Verhältnissen und unter dem Einfluss einiger Hormone. Arch. internat. pharm. dym., Par., 1939, 63: 189-223.—Weiser, S., & Zaitseck, A. Jodstoffwechselversuch an milchenden Ziegen. Biochem. Zschr., 1930, 217: 359-64.

— **Methansulfonic acid.**

See Abrodil.

— **Methenamine derivatives [Endiodin; Jodaseptine; Jodisan, etc.]**

LEFRANC, G. *Le traitement iodothérapeutique des maladies rhumatismales et cardiovasculaires par les dérivés iodo-salicylés et iodo-phénolés de l'hexaméthylène tétramine. 52p. 24cm. Par., 1939.

EBSTEIN, L. Ueber Erfahrungen mit Jodisan Bayer. Ther. Gegenwart, 1926, 67: 46.—Guardabassi, M. Sulla azione terapeutica del jodo-esametil-diammino-isopropanolo (endoiodina). Diagnosi, 1937, 17: 86-9.—Hallermann, A. Ueber Erfahrungen mit dem Jodpräparat Jodisan. Münch. med. Wschr., 1926, 73: 1033.—Houdemer. De quelques emplois de l'iodo-benzo-méthylformine en médecine vétérinaire. Rec. méd. vét., 1933, 109: 200-7.—Leitloff, H. Erfahrungen mit Jodisan. Ther. Gegenwart, 1928, 69: 140-2.—Manera, G. Alcune ricerche sul comportamento farmacologico di un nuovo preparato di jodio: lo iodidrato di esametilentetramina. Arch. ital. sc. farm., 1935, 4: 300-12.—Schmuttermayer, F. Jodtherapie mit Jodisan. Wien. klin. Wschr., 1929, 42: 1163.

— **Nutritional aspect.**

See also subheadings (Geochemistry; Physiology)

CAZZANI, E. *Indice d'iode des sucs végétaux aqueux [Pharm.] 103p. 24½cm. Montpel., 1938.

Adolph, W. H., & Ch'en, S. C. Iodine in nutrition in North China. Chin. J. Physiol., 1930, 4: 437-48.—Balks, R. Ueber den Jodgehalt von Lebensmitteln. Zschr. Untersuch. Lebensmitt., 1936, 71: 76-93.—Bootello, A. Nuestros primeros resultados en la determinación del yodo en los alimentos y aguas de España. Arch. med., Madr., 1934, 37: 506.—Campbell, W. R. Iodine in normal nutrition. Canad. M. Ass. J., 1939, 40: 77-9.—Cole, V. V., Curtis, G. M., & Bone, M. L. The iodine content of hospital foods. J. Am. Diet. Ass., 1934, 10: 200-7.—Curtis, G. M., & Fertman, M. B. Iodine in nutrition. J. Am. M. Ass., 1943, 121: 423-30.—Fairbanks, B. W., & Curzon, E. Iodine in animal nutrition. North Am. Vet., 1940, 21: 25-8.—Freudenberger, C. B., & Clausen, F. W. Iodine deficiency in a commonly used stock diet. J. Nutrit., 1938, 15: 1-9.—Glimm, E. Weitere Untersuchungen zum Jodproblem. Biochem. Zschr., 1930, 219: 148-54.—Halasa, S. Ueber die Verteilung des Jods im Getreidekorn. Ibid., 1931, 243: 88-96.—Holmes, A. D., Pigott, M. G., & Packard, W. H. The effect of supplementary iodine on the nutritive value of chick rations. J. Nutrit., 1934, 8: 583-95.—Kolhe, F. Jod als Nahrungsmittel. Zschr. Fleisch Milchhyg., 1928-29, 39: 449.—Lewis, J. C., & Powers, W. L. Iodine in relation to plant nutrition. J. Agr. Res., 1941, 63: 623-37.—Malan, A. I., DuToit, P. J., & Groenewald, J. W. Studies in mineral metabolism; iodine in the nutrition of sheep. Onderstepoort J. Vet. Sc., 1935, 5: 189-200; 1940, 14: 329-34.—Mazzocco, P. Quantità d'iode ingerée giornalmente par les habitants de Salta. C. rend. Soc. biol., 1929, 102: 869.—El iodo en los alimentos de Salta. Reun. Soc. argent. pat. region. (1929) 1930, 5, meet., 2: 815-22.—Patnaik, M. The iodine-content of Indian food-stuffs. Ind. J. M. Res., 1934, 22: 249-62.—Phillips, F. J., Curtis, G. M., & Erf, O. Results of prolonged increased iodine feeding. Proc. Soc. Exp. Biol., N. Y., 1934, 31: 585.—Remington, R. E. Improved growth in rats on iodine deficient diets. J. Nutrit., 1937, 13: 223-23.—Roman, W. Jodgehalt vegetabilischer Nahrungsmittel. Tabulae biol. Haag, 1931, 1: 226-31.—Jod-Gehalt animalischer Nahrungsmittel. Ibid., 300-5.—Scharer, K., & Schwaibold, J. Untersuchung einiger Kulturpflanzen auf ihren natürlichen Jodgehalt und dessen Steigerung durch Joddüngung. Biochem. Zschr., 1927, 185: 405-13.—Jodvorkommen in Futtermitteln und künstlichen Düngemitteln. Ibid., 1928, 195: 233-7.—Schmidt, J. Die Verfütterung von Jod an Geflügel. Berl. tierärztl. Wschr., 1932, 48: 161-6.—Seel, H. Vorkommen und Verteilung des Jods im Mineral- und Pflanzenreich, seine Bedeutung für die Landwirtschaft und die Ernährung. Erg. ges. Med., 1936, 21: 101-11.—Strobel, A., & Scharer, K. Das Jod als Pflanzennährstoff. Naturwissenschaften, 1927, 15: 539.—Thomson, W. The effect of an iodine supplement in the ration of dairy cows. Vet. J., Lond., 1934, 90: 48-51.—Weston, W. Iodine in nutrition. Am. J. Pub. Health, 1931, 21: 715-22.—Wood, S. N. The newer knowledge of iodine in nutrition and therapy of livestock. Canad. J. Comp. M., 1940, 4: 306-15.

— **Oil, iodized [Ioditol; Iodinol; Iodipin; Lipiodol; Neohydriol, etc.]**

See also Bronchography; Myelography; Pyelography, etc.

GRÜNEBERG, T. [W. P.] *Ueber die Eignung hochprozentig jodierter Öle (40% Jodipin) zur

therapeutischen und diagnostischen Verwendung [Halle-Wittenberg] 18p. 8° Darmstadt, 1925.

KUTSCH, J. *Umsetzung von Jodipin und Dijodol im Tierkörper. 24p. 8° Giessen, 1928.

SICARD, J. A., & FORESTIER, J. The use of lipiodol in diagnosis and treatment; a clinical and radiological survey. 235p. 8° Lond., 1932.

TIMPE, R. *Ueber die Wirkung von Jod-Nelkenöl in verschiedenen Konzentrationen auf Staphylococcen, Streptococcen und Coli-Bakterien. 22p. 8° Kiel, 1930.

Amako, T. H. Ueber die bakterizide Wirkung des Jodipins gegenüber Tuberkelbazillen und anderen Bakterien. Zschr. Tuberk., 1930, 58: 178-83.—Ballon, D. H., & Ballon, H. C. The effect of injection of lipiodol and the rate of its disappearance, in normal and diseased lungs. Canad. M. Ass. J., 1927, 17: 410-6.—Balyent, R. M. Intratracheal use of iodized oil. Northwest M., 1937, 36: 9-14.—Battalora, G. C. The use of lipiodol in certain orthopedic affections. N. Orleans M. & S. J., 1938, 90: 539-43.—Belfield, W. T., & Rolnick, H. C. Roentgenography and therapy with iodized oils. J. Am. C. Roent., 1926, 86: 1831-3.—Bergerhoff, W. Spätschädigung durch Jodipin. Fortsch. Röntgenstrahl., 1927, 36: 374.—Bettmann, E. Ueber neue therapeutische Möglichkeiten mit Jodipin und Jodipin-Psiskain. Deut. med. Wschr., 1927, 53: 831-3.—Bienvenu, O. J. Lipiodol and some of its uses in surgery. N. Orleans M. & S. J., 1935-36, 88: 295-8.—Blumberg, A. Iodized oil; its contraindications. U. S. Veterans Bur. M. Bull., 1927, 3: 228-30.—Brown, A. L. The fate of iodized oil (lipiodol) in the lungs. Surg. Gyn. Obst., 1928, 46: 597-601.—Buckley, J. E., & Mathieu, A. On the bactericidal powers of lipiodol and iodipin in vitro. Proc. Soc. Exp. Biol., N. Y., 1929-30, 27: 857.—Caccavianni, B. Ricerche radiologiche su farmacologiche su emulsioni di iodipina e di neoiodipina iniettate in trachea. Boll. Soc. ital. biol. sper., 1937, 12: 759-61.—Ricerche radiologiche e farmacologiche su emulsioni di iodipina e di neoiodipina iniettate nelle vene. Ibid., 761-3.—Cocking, T. T., & Middleton, G. The determination of iodine and chlorine in iodised oils. Q. J. Pharm., Lond., 1931, 4: 175-7.—Cole, D. B., & Nalls, W. L. Twelve years' experience with iodized oil. Virginia M. Month., 1938, 65: 336-9.—Cotte, G. Appareil manométrique pour mesurer la pression dans les explorations radiologiques avec injection de lipiodol. Lyon chir., 1927, 24: 716.—Crandall, L. A., & Walsh, E. L. Action of iodized oils on serous membranes. Proc. Soc. Exp. Biol., N. Y., 1928-29, 26: 307.—Death following use of iodized oil. J. Am. M. Ass., 1937, 109: 1211.—Detwiler, D. W. A mishap with lipiodol. U. S. Veterans Bur. M. Bull., 1929, 5: 460.—Deve, F. Le lipiodol a-t-il une action locale hydratante? C. rend. Soc. biol., 1926, 95: 1093-5.—Forestier, J. Iodized oil (lipiodol) in roentgenology. Am. J. Roentg., 1926, n. ser., 15: 352-4.—Clinical results in diagnosis by iodized oil (lipiodol) injections. Tr. Med. Chir. Soc. Edinburgh, 1926-27, 106: 141-58, 1 pl.—The results of lipiodol injections in X-ray diagnosis. Tr. M. Soc. London, 1926-27, 50: 229-32.—Kuentz. Le lipiodol; indications générales, contre-indications, accidents. Arch. élect. méd., 1929, 39: 166-72. Also J. radiol. élect., 1929, 13: 665-70.—Frazier, C. H. The use of iodized rape-seed oil (campidol) for roentgenographic exploration. Ann. Surg., 1929, 89: 801-12.—Girardi, A. Di un saggio assai semplice per controllare la bontà degli olii iodati usati in radiodiagnostica. Q. radiol., Belluno, 1937, 8: 329-32.—Glaser, M. A. Campidol (iodized rape-seed oil) its use in the roentgenographic visualization of the body cavities; a clinical and experimental study. Am. J. Roentg., 1930, 24: 477-90.—Greenbaum, F. R. A new feature in iodized oils. Radiology, 1932, 18: 1115-23.—New method for iodation and chlorination of vegetable and animal oils. Am. J. Pharm., 1937, 109: 407-11.—Harrower, G. Lipiodol as a therapeutic agent. Lancet, Lond., 1935, 2: 715-17.—Harry, P. A. Iodized oil in ophthalmology. Prescriber, Edinb., 1930, 24: 49-51.—Heiss. Beitrag zur Resorptionsgeschwindigkeit des Jodipins. Röntgenpraxis, 1934, 6: 550.—Homma, H. Untersuchungen zum Nachweis der antiseptischen Wirkung jodierter Öle im Gewebe. Zschr. ges. exp. Med., 1937-38, 102: 574-88.—Janker, R. Ueber Erfahrungen mit Jodipin als Röntgenkontrastmittel in der Chirurgie. Röntgenpraxis, 1929, 1: 746-55.—Kotatu, K. Ueber die Veränderungen des Lungengewebes bei intratrachealer Einführung von Lipiodol. Bull. Nav. M. Ass., Tokyo, 1929, 18: 4-7.—Lash, A. F. Lipiodol pelvic cysts. Surg. Gyn. Obst., 1930, 51: 55-60.—Lawson, J. D. The use of iodized oil in the demonstration of empyema cavities and fistulous tracts. Ibid., 1927, 44: 11-4.—Lindskog, G. E., & Tennant, R. Lipiodol in the pericardium, an experimental study. J. Thorac. Surg., 1939-40, 9: 227-31.—McCusker, H. The uses of lipiodol in neuroorthopedic surgery. Rhode Island M. J., 1929, 12: 165-71.—Macías de Torres, E. Un caso de reacción peritoneal después de la exploración con lipiodol. Rev. españ. obst., 1931, 16: 734-7.—Mackeddie, J. F. Lipiodol injections as a diagnostic agent. Med. J. Australia, 1926, 5: 577-9, 2 pl.—The new lipiodol. Ibid., 2: 865.—Minsky, A. A. The technique of instillation of lipiodol. Med. Bull. Veterans Admin., 1938-39, 15: 349.—Olmer, D., & Zucchi, G. Accidents nerveux subits épileptiformes au cours d'une injection intratrachéale de lipiodol. Paris méd., 1929, 73: 306.—

Pereyra Kafer, J. Terapéutica con aceites iodados por vía epidural. *Rev. As. méd. argent.*, 1933, 46: 2637-42. Also Prensa méd. argent., 1933-34, 20: 1639-49.—Pecininio, G. Incidenti nelle iniezioni di lipiodol. *Arch. radiol.*, Nap., 1927, 3: 591-3.—Raiziss, G. W., Glaser, M. A., & Clemence, LeR. W. Chemistry and application of campiodol (iodized rapeseed oil) in roentgenography. *J. Lab. Clin. M.*, 1931, 16: 943-8.—Reycraft, J. L. The use of iodized oil in gynecology. *Ohio M. J.*, 1936, 32: 524-7.—Samuel, M. Immettal zur Kontrastdarstellung des Uterus und der Tuben, zur Fistelfüllung und Ausheilung speziell auch tuberkulöser Fisteln, sowie zur Behandlung von Hautkrankheiten. *Med. Klin.*, Berl., 1933, 29: 396.—Sato, T. Ueber den pathologisch-histologischen Einfluss des Lipiodols auf das Atemorgan und die bakterizide Wirkung desselben. *Mitt. allg. Path.*, Sendai, 1928-29, 5: 183-91, 2 pl.—Shawhan, R. C. The use of lipiodol. *U. S. Veterans Bur. M. Bull.*, 1930, 6: 1049-54.—Sicard, J. A. Lipiodiagnóstico y lipioterapia. *Arch. med.*, Madrid, 1926, 24: 385-8.—Sicard, Fabré & Forestier. Eliminación urinaria del aceite yodado. *Sem. méd.*, B. Air., 1923, 30: pt 2, 237.—Sicard, J. A., & Forestier, J. Radiological exploration with iodized oil. *Brit. J. Radiol.*, B. I. R. Sect., 1926, 31: 239-54, 4 pl. — Roentgenological exploration of spinal and cerebral spaces, genito-urinary organs and other organic cavities with iodized oil. *Radiology*, 1926, 7: 385-97.—Singer, J. J., & Francis, B. F. Comparison of iodized oil and brominated oil. *Arch. Surg.*, 1929, 19: 1660-2.—Sorrel, E., & Delahaye, A. Indications et technique des injections d'huile iodée dans les abcès et fistules chroniques pour en déterminer l'origine. *Rev. orthop.*, Par., 1926, 3, ser., 13: 129-36.—Sort (Le) du lipiodol. *Rev. crit. path.*, Par., 1934-36, 5: 163-7.—Sulla iodipina. *Gior. farm. chim.*, Tor., 1903, 52: 535-9.—Theridol, chloriodized oil, therapeutic, Lilly. *Physician's Bull.*, 1937, 2: No. 3, 10-3.—Ware, E. R. Lipiodol; its use in pulmonary suppurations. *California West. M.*, 1928, 28: 356-60.—Winternitz, H. Ueber Jodöle und ihr Verhalten gegenüber Körpergeweben (Vergleich zwischen Jodipin und Lipiodol) *Deut. med. Wschr.*, 1931, 57: 1704. — Jodipinmischungen in der Röntgenographie nebst Bemerkungen über Campiodol. *Röntgenpraxis*, 1933, 5: 369. — & Schenck, V. Ueber ein dünnflüssiges Jodipin zur therapeutischen und diagnostischen Verwendung. *Münch. med. Wschr.*, 1929, 76: 1840-2.—Wright, R. D. Reaction of pulmonary tissue to lipiodol. *Am. J. Path.*, 1935, 11: 497-501, pl.

Ointment and paint.

Brown, C. L. M. Non-staining iodine ointments. *Pharm. J.*, Lond., 1935, 4, ser., 81: 271.—Edwards, F. W., Parkes, E. B., & Nanji, H. R. A note on the analysis of iodine ointments. *Analyst*, Lond., 1935, 60: 747.—Fiero, G. W. Ointment of potassium iodide, prevention of discoloration. *Bull. Nat. Formulary Com. U. S.*, 1938-39, 7: 314-9.—Hasselrup-Hansen, E. B. Clinical and laboratory observations of iodized ointment. *Med. World*, 1937, 55: 52-5.—Hühne, T. Ueber Joddermasan und den Jodnachweis im Gewebe. *Münch. med. Wschr.*, 1927, 74: 154.—Husa, W. J. The effect of stabilizers in lard in relation to its use in ointment of potassium iodide. *N. F. V. J. Am. Pharm. Ass.*, 1930, 19: 825-8.—Iodine ointment. *Brit. Food J.*, 1935, 37: 35.—Leclercq, L., & Loupart, W. Le dosage de l'iode dans les onguents iodés. *C. rend. Congr. internat. pharm.*, 1935, 488-501.—Lissau, S. Ueber einen Jod-Ichthyolanstrich (Astaphylol) *Ther. Gegenwart*, 1921, 62: 486-8.—Orłowski. Ueber äusserliche Jodwirkung und eine jodhaltige Salbe als Kosmetikum. *Derm. Wschr.*, 1930, 91: 1442-5.—Penman, J. C. Non-staining iodine ointment. *Q. J. Pharm.*, Lond., 1939, 12: 380-91.—Richardson, R. W. Non-staining iodine ointment. *Pharm. J.*, Lond., 1935, 4, ser., 80: 589.—Sonobe, K. Untersuchungen über ein jodiertes Cacaoöf Joca. *Sei i kai Med. J.*, 1927, 46: No. 6, 1-7.—Szodoray, L. [Experiences with iodine ichthyol] *Böröggy. urol. vener. szemle*, 1941, 19: 11-3.—Zeigler, W. H. A study of the absorption and antiseptic properties of several types of iodine ointments. *J. Am. Pharm. Ass.*, 1928, 17: 648-50.

Organic compounds.

See also subheadings; also names of parent compounds.

Johnson, T. B., & Edens, C. O. Complex formations between iodine and α -mercaptodihydroglyoxalines. *J. Am. Chem. Soc.*, 1942, 64: 2706-8.—Kumler, W. D. The substitution of iodine in enols by means of iodine and hydrogen peroxide; the preparation of ethyl α -iodoacetate, sym-iodoacetylacetone and α -iodotetronic acid. *Ibid.*, 1938, 60: 855.—Lettre, H., & Lehmann, P. Zur Isomorphie organischer Verbindungen. *Deut. chem. Ges.*, 1938, 71: Abt. B, 416.—Münster, L. Lo jodio organico nella pratica clinica. *Arch. pat. clin. med.*, Bologna, 1928, 7: No. 2-3, sez. Note ter. prat., 1-7.

Organic compounds, cyclic.

JEZLER, A. *Versuche über Jodbindung an aromatische Körper [Basel] 18p. 8°. [Basel, 1925]

Also *Zschr. exp. Med.*, 1925, 46: 486-99.

Atkins, C. C. Iodolake in respiratory diseases; a report of further experience. *Clin. Med.*, 1942, 49: 226.—Dains, F. B., Brewster, R. Q., & Davis, J. A. Decomposition of p-iodoaniline.

J. Am. Chem. Soc., 1935, 57: 2326.—Higgins, R. W. Synthesis of some iodinated benzoylbenzoic acids and anthraquinone derivatives. *Summaries Doct. Diss.* Northwestern Univ., 1940, 8: 183-8.—Jacquemain, R., & Muskovits, A. Sur un complexe iodo-argento-nitrobenzoïque et son action sur quelques dérivés allyliques. *C. rend. Acad. sc.*, 1936, 202: 497-9.—Kaufheil, L., & Rappaport, F. Experimentelle Untersuchungen über die gallerttreibende Wirkung der Jodsalizylsäure. *Arch. exp. Path.*, Berl., 1932, 168: 654-67.—Kursanov, N. I. [d-Menthyl iodide] *J. Russ. fiz. khim. obsch.*, khim. ch., 1916, 48: 1151-6.—Lawrie, N. R. The metabolism of iodobenzene and p-iodophenyl-mercapturic acid in the rat and the rabbit. *Biochem. J.*, Lond., 1931, 25: 1037-44.—Long, L., jr., & Burger, A. The synthesis of some iodinated aromatic compounds. *J. Am. Chem. Soc.*, 1941, 63: 1586-9.—Martin Serra, R. Investigación sobre un posible yodotánico cristalizado. *An. Univ. Santo Domingo*, 1940, 4: 69-71.—Mascarelli, L. Sulla formazione di nuclei eterociclici jodurati, azotati ed ossigenati. *Mem. Accad. Italia*, 1932, 3: chim., No. 2, 1-15.—Niccolini, P. M. Sull'azione e sul comportamento di alcuni iodo-pirrol-derivati nell'organismo. *Arch. internat. pharm. dyn.*, Par., 1926, 32: 42-72.—Peckolt, O. A proposito de soluto concentrado iodotánico. *Farm. brasil.*, 1936, 11: No. 41, 21-3.—Rubachkin, V. J. [Preparation of solutions of chimo-iodopyrin] *Profil. med.*, Kharkov, 1923, 2: 129-36.—Scherzer, H. R., & Goedrich, P. Iodocholeate; its efficiency as a germicide and its clinical performance. *J. Am. Pharm. Ass.*, 1940, 29: 255-9.—Smith, L. I., & Hanson, L. I. The addition of methyl-magnesium iodide to benzalpropionophenone. *J. Am. Chem. Soc.*, 1935, 57: 1326-8.—Supniewski, J. W., & Hano, J. Ueber die pharmakologischen Eigenschaften des N-Dimethyltetrahydroisokinotinsäureäthylesteriodids. *Bull. internat. Acad. polon. sc.*, cl. méd., 1938, 645-57.

Organic compounds, open chain.

See also Ethyl, Halide: Iodide; Ethylene, Halide: Iodide.

CAUSSOU, J. *De l'iodure de méthyle; son utilité en oto-laryngologie. 48p. 8°. Toulouse, 1905.

HESSE, A. *Jodausscheidung nach Eingabe von Jodostarin. 15p. 8°. Giessen, 1927.

SCHUBERT, R. [E. W.] *Eignet sich Jothion zur Anwendung in der Zahnheilkunde? [Bonn] 31p. 8°. Waldbröi, 1935.

SCHULZE-GEHRIKE, F. M. *Tod an allergischem Lungenödem nach therapeutischer Jothioninstillation in den Kehlkopf [Jena] 10p. 21cm. Würzb., 1937.

Cacciavillani, B. Ricerche farmacologiche su fini emulsioni di esteri iodati di acidi grassi. *Biochem. ter. sper.*, 1937, 24: 491-510.—Friedlina, R. H., & Nesmejanov, A. N. Addition of iodine trichloride to acetylene and the structure of β -chlorovinylidiodochloride. *C. rend. Acad. sc. URSS*, 1941, 31: 892-4.—Goddard, D. R., & Schubert, M. P. The action of iodoethyl alcohol on thiol compounds and on proteins. *Biochem. J.*, Lond., 1935, 29: 1009-11.—Jones, J. L., & Ogg, R. A., jr. The kinetics of the pyrolysis of n-propyl iodide and n-butyl iodide. *J. Am. Chem. Soc.*, 1937, 59: 1931-9. — Kinetics of the thermal decomposition of isopropyl iodide. *Ibid.*, 1939-42.—Marinus, C. Milieu ionique et contracture musculaire par l'acide mono-iodo-acétique. *C. rend. Soc. biol.*, 1936, 122: 98-100.—Stannard, J. N. Relative effects of iodoacetate and iodoacetamide on muscle respiration and glycolysis. *Am. J. Physiol.*, 1937, 119: 408.—Steacie, E. W. R., & McDonald, R. D. The kinetics of the thermal decomposition of gaseous methyl iodides. *J. Am. Chem. Soc.*, 1935, 57: 488.—Stevens, P. G. Studies on acid iodides; the addition of acetyl iodide to unsaturated hydrocarbons. *Ibid.*, 1934, 56: 450-2.

Oxidation.

See also subheading Photochemistry.

Basset, J., & Dodé, M. Sur l'oxydation directe de l'iode et des iodures aux ultra-pressions. *C. rend. Acad. sc.*, 1934, 199: 668-70.—Bourstyn, M. Systèmes oxydo-réducteurs de l'iode et de ses dérivés. *Bull. Soc. chim. France*, 1941, 5, ser., 8: 533-40.—Charlot, G. L'iode et ses dérivés; indicateurs d'oxydo-réduction. *Ibid.*, 1940, 5, ser., 8: 222-8.—Knudsen, O. M., & King, C. V. The oxidation of iodide ion by persulfate ion; the rate at low ionic strength. *J. Am. Chem. Soc.*, 1938, 60: 687-91.—Pearce, A. A. On the so-called iodide oxidase; mechanism of iodide oxidation by *Aspergillus*. *Biochem. J.*, Lond., 1940, 34: 1493-500.

Paste and plaster.

EGGERS, W. *Aussichten der Jodbehandlung durch die Jodkaliklora Zahnpasten. 21p. 8°. Kiel, 1934.

Müller-Stade, E. Jod-Kaliklora in Therapie und Prophylaxe. *Med. Welt*, 1935, 9: 1665.—Ritchie, D. Oil of tar and iodine paint. *Pharm. J.*, Lond., 1938, 86: 357.—Sarason. Unijod, das wasserlösliche Jod-Wundpflaster. *Med. Welt*, 1933, 7: 490.

— Periodic acid [HIO₄]

LINARIN, A. *Contribution à l'étude des périodures des bases organiques. 75p. 8°. Par., 1909.

Emery, W. O. Researches on organic peroxides; periodides of phenacetin, methacetin and triphenyl. J. Am. Chem. Soc., 1916, 33: 140-50.

— Pharmacology.

Carter, G. S. Iodine compounds and fertilisation; fertilisation in the starfish, *Asterias rubens* L. J. Exp. Biol., Lond., 1935, 12: 108-18.—Chu, H. P., & How, G. K. Note on the production of effusions by sodium iodide. Chin. J. Physiol., 1931, 5: 125-9.—Janet, L. Incompatibilité iode-mercure. J. urol. méd., Par., 1938, 46: 144.—Johnston, J. G. The potent drug iodine. South. M. & S., 1941, 103: 312-4.—Mansfeld, G. A trimethylamin-äthyljodid physiologische hatása. Orvostud. érték. gyűjt., 1905, u. f., 11: 531-42.—Minowada, M. Experimental study of the action of a small quantity of iodine administered stomachically. Acta dermat., Kyoto, 1928, 11: 191-203. — Influence of a large quantity of iodine on the internal organs. Ibid., 531-8.—Nicola, O. F. F. Algunos derivados yodados; estudio farmacodinámico. Rev. Fac. cienc. quim. La Plata, 1939, 14: 91-104.—Nolte, E. Beitrag zur Jodfrage. Arch. Pharm., Berl., 1936, 274: 415-8, 2 pl.—Petersen, W. F., & Hughes, T. P. Lymph alterations following sodium chloride and iodine injections. J. Pharm. Exp. Ther., 1926, 28: 131-40.—Piccinini, P. Conetti farmacologici in rapporto alle applicazioni terapeutiche salsiodiche. Atti Soc. ital. ostet., 1920, 20: 356-60.—Seel, H. Die Pharmakodynamik des Jods im Organismus. Erg. ges. Med., 1936, 21: 199-237.—Siberchatz, S. Sur les propriétés caryoclastiques des iodures. C. rend. Soc. biol., 1931, 107: 1570.—Stiegle, A. Das homöopathische Wirkungsgebiet der Jodide. Münch. med. Wschr., 1940, 87: 1128 (Abstr.).—Teulé, P. E. P. Données récentes sur la pharmacologie de l'iode. Vie méd., 1927, 8: 121-3.—Wadi, W. Zur Pharmakologie des Jod-Ions (vergleichende Jodstudien an normalen und thyreopriven Tieren) Arch. exp. Path., Lpz., 1928, 129: 1-42.—Westra, J. J. Studies on the action of the alkali iodides. Am. J. Physiol., 1934, 109: 450-6.

— Pharmacology: Bactericide and fungicide effect.

See also subheading Therapeutic use: Disinfectant.

WINTER, G. *Die bakterizide Wirkung von alkoholischen und wässrigen Jodlösungen und Joddämpfen. 49p. 22cm. Würzb., 1936.

Bovée, J. W. An investigation of the use of iodine in skin sterilization for surgical purposes. Tr. Am. Gyn. Soc., 1911, 36: 111-30. Also Am. J. Obst., 1911, 64: 91-106.—Chargaff, E. Ueber die katalytische Zersetzung einiger Jodverbindungen (zur Theorie der Jodantiseptica) Biochem. Zschr., 1929, 215: 69-78.—Erkkila, S. [Disinfecting properties of iodine] Duodecim, Helsinki, 1937, 53: 437-42. — [Answer to the polemic paper of Prof. Carl Nyberg on The disinfecting properties of iodine] Ibid., 725-7; 904.—Gershenfeld, L., & Miller, R. E. The bactericidal efficiency of iodine solutions. J. Am. Pharm. Ass., 1932, 21: 894.—Grabner, A. Ueber die desinfizierende Wirkung hochprozentiger Jodlösungen. Zschr. Stomat., 1928, 26: 159-72.—Gropali, M. Ricerche sul potere battericida delle acque salsiodiche nebulizzate. Gior. Soc. ital. igiene, 1933, 55: 232-40.—Isikawa, M. Influence of iodine on bacterial decomposition of nitrogenous substances. J. Infect. Dis., 1928, 43: 321-6.—Jadin, J. L'influence de l'iode sur les microbes. C. rend. Soc. biol., 1930, 105: 461.

L'influence de l'iode sur la spécificité antigénique des microbes et des lipides. Arch. internat. méd. exp., Liège, 1932, 7: 149-69.—Knaiss, G., & Gordon, M. Disinfection; the taking up of iodine by yeast cells. J. Infect. Dis., 1930, 47: 318-21.—Lawall, C. H., & Tice, L. F. A pharmaceutical study of iodine solutions for antiseptics. J. Am. Pharm. Ass., 1932, 21: 122-5.—Nyberg, C. [Disinfecting properties of iodine] Duodecim, Helsinki, 1937, 53: 723; 901-3.—Nye, R. N. Iodine as an antiseptic. N. England J. M., 1935, 212: 1048.—Roberts, W. O. Iodine as an antiseptic. Louisville Month. J. M. & S., 1911-12, 13: 225-32.—Salle, A. J., & Lazarus, A. S. Comparison of resistance of bacteria and embryonic tissue to germicidal substances; iodine. Proc. Soc. Exp. Biol., N. Y., 1934-35, 32: 1481-3.—Saz, A. K., & Bernheim, F. The effect of aromatic iodine compounds on the growth and metabolism of the tubercle bacillus. J. Bact., Balt., 1942, 43: 31.—Strickler, A. Elemental iodine; a new technique for the evaluation of its fungicidal properties. J. Lab. Clin. M., 1932, 18: 49-56.—Suiffet, P. Action bactéricide de quelques préparations iodées. J. pharm. chim., Par., 1927, 8, ser., 6: 398-401.

— Pharmacology: Cardiovascular and hematic effects.

GREWITSCH, R. *Ueber die Wirkung des Jodkaliums auf die Pulszahl [Basel] 24p. 8°. Gott., 1907.

HERCOG, E. *Ueber den Einfluss des Jodkaliums einiger Hormone, der Glukose, auf den refraktometrischen Index des Blutserums und eine Gesamtserummengenbestimmung mit Gummiarabium [Basel] 32p. 8°. Petrovgrad, 1935.

JOSEPH, L. *Experimentelle Untersuchungen über die Wirkung des Jodkaliums auf den refraktometrischen Index des Blutserums. 18p. 8°. Stetten-Basel, 1935.

ORTH, H. *Einfluss des Jodions auf die Gefässe des Warmblüters. 11p. 8°. Halle, 1932.

Barkan, G., & Kingisepp, G. Zur Frage der Gefässwirkung kleinster Jodidkonzentrationen. Klin. Wschr., 1934, 13: 1795.—Barkan, G., & Prikk, S. Zur Frage der Gefässwirkung kleinster Jodidkonzentrationen. Ibid., 1939, 9: 1872.—Bir, K. Die Beeinflussung des Blutdruckes durch intravenöse Darreichung von Jodisan. Wien. klin. Wschr., 1925, 38: 1256-9.—Bondy, P. K., & Altschule, M. D. The action of formethide, furfuryl-trimethyl-ammonium iodide, on the cardiovascular system in man. Am. J. M. Sc., 1942, 204: 334-40.—Boudreau, J. Note brève à propos des effets de l'iode sur la pression sanguine. J. méd. Bordeaux, 1925, 55: 279.—Colantuoni, G. Azione dell'iuduro di tetrametilammonio e dell'iuduro di tetraetilammonio sui vasi degli arti posteriori della rana. Arch. farm. sper., Roma, 1934, 57: 36-43.—Engelen, Die Jodwirkung auf den Blutdruck. Münch. med. Wschr., 1925, 72: 1869.—Guggenheimer, H., & Fisher, I. L. Die Wirkung des Jods auf Herz und Gefäßsystem. Klin. Wschr., 1927, 6: 359.

Neue experimentelle Ergebnisse über den Einfluss des Jods auf Herz und Gefäßsystem, über die klinische Bewertung. Verh. Berl. med. Ges. (1927) 1928, 58: Teil 2, 12-9. Also Med. Klin., Berl., 1927, 23: 385-8. — Die Wirkung des Jods auf Herz und Gefäßsystem, Beeinflussung des Herzens und der Coronararterien am isolierten Katzenherzen. Zschr. ges. exp. Med., 1927, 54: 114-22. — Die Wirkung des Jods auf Herz und Gefäßsystem; Erweiterung der peripheren Gefässe durch kleine Joddosen. Ibid., 1927, 58: 196-204.—Kültz, Einfluss des peroralen Jodgebrauchs auf die Höhe des Blutdrucks? Klin. Mbl. Augenh., 1939, 102: 709.—Liebe, S. Die Wirkung des Jodions auf die peripheren Gefässe. Arch. exp. Path., Berl., 1933, 171: 426-38.—McEachern, D. The effect of potassium iodide on the pulse rate of normal individuals. Bull. Johns Hopkins Hosp., Balt., 1930, 47: 299-303.— & Baker, B. M., jr. The effect of the ingestion of potassium iodide on the electrocardiogram of normal individuals. Ibid., 304-7.—Macht, D. L. The action of potassium and sodium iodides and of the iodine ion on the heart and blood vessels. Johns Hopkins Hosp. Bull., 1914, 25: 278-84.—Mancke, R. Untersuchungen über die Natriumjodidwirkung auf das Warmblüterherz. Arch. exp. Path., Lpz., 1930, 149: 56-66.—Michelazzi, M. Studio sperimentale sulle alterazioni cardiache da somministrazione di composti iodici. Pathologica, Genova, 1930, 22: 182-8.—Pal, R. K. Action of Lugol's iodine solution on the thyrotoxic heart. Ind. J. M. Res., 1935-36, 23: 957-62.—Ravassini, G. Variazioni della pressione osmotica del sangue e degli organi dopo iniezione endovenosa di uroselectan. Biochim. Tr. sper., 1931, 18: 128-34.—Ricerche farmacologiche sull'uroselectan; influenza dell'uroselectan sulla coagulazione del sangue in vitro ed in vivo. Ibid., 141-5.—Read, J. M., Walker, P. J., & McKenney, A. C. Iodine and pulse rate of normal individuals. Proc. Soc. Exp. Biol., N. Y., 1926-27, 21: 322.—Seel, H., & Creutzberg, G. Experimentelle und klinische Beiträge zur Pharmakologie des Jods; über die Wirkung des Jods auf die Cholesterin- und die Ergosterinkörpers. Arch. exp. Path., Berl., 1931, 161: 674-85.—Semerau-Siemianowski, M., Rachon, C., & Mancewicz, M. Influence de l'iode sur les vaisseaux capillaires dans l'organisme humain. C. rend. Soc. biol., 1929, 100: 1156-8.—Silva, L., & Soler, F. L. La asociación yodo-colina; su acción sobre la tensión arterial; experiencias en perros. Rev. As. méd. argent., 1933, 46: 3080-2.—Zickgraf, G. Ueber die hämolytische Wirkung von Jodsäuren. Zbl. inn. Med., 1933, 54: 657-60.—Zimmer, H. Untersuchungen über die Wirkung des Jods auf das Blut. Zschr. ges. exp. Med., 1924, 40: 236-43.

— Pharmacology: Endocrine effect.

See also Thyroid, Pharmacology.

Blumenthal, H. T. Influence of weight, age, diet and dosage on response of thyroid and parathyroid glands of male guinea pig to potassium iodide; effect of this substance on adrenal gland. Endocrinology, 1942, 31: 226-36.—Buchheim, V. Action de l'iode sur le testicule et les caractères sexuels chez les mammifères. C. rend. Soc. biol., 1932, 109: 1292-4.—Chouke, K. S. The effect of intraperitoneal injection of potassium iodide on the proliferative activity of the thyroid glands in rats. Endocrinology, 1930, 14: 169-73.—Josselin de Jong, R. de. Ueber Wirkung des Jods; über den Einfluss von Jodverabreichung auf schwangere Ratten. Verh. Internat. Kropfkongr. (1933) 1935, 2. Konf., 285-8.—Lein, A. Studies on the rate of certain iodine reactions in the thyroid gland. Anat. Rec., 1911, 81: Suppl., 60 (Abstr.).—Merke, F., & Huber, T. Ueber kombinierte Jod- und Schilddrüsenwirkung im Kaulquappenversuch. Beitr. klin. Chir., 1927, 140: 432-43.—Minowada, M. The influence of a small quantity of

potassium iodide on the thyroid gland, hypophysis, suprarenal bodies, kidneys and lungs of the white rat. *Acta derm.*, Kyoto, 1928, 12: 423-8. — Der Einfluss grösserer Mengen von Kalium jodat auf die Schilddrüse, die Hypophyse, die Nebennieren, die Nieren und die Lungen der weissen Ratten. *Ibid.*, 1928, 12: 423-8. — **Nakamura, H.** Veränderungen der Kaninchenhypophyse durch dauernde Applikation von Jodnatriumlösung. *Tr. Soc. Path. Jap.*, 1936, 26: 497. — Veränderungen der inkretorischen Organe (Thymusdrüse, Nebenniere, Geschlechtsdrüse und Bauchspeicheldrüse) der Kaninchen durch dauernde Applikation von Jodnatriumlösung. *Ibid.*, 1937, 27: 544-6. — Veränderungen der inkretorischen Organe von kastrierten Kaninchen durch dauernde Applikation von Jodnatriumlösung. *Ibid.*, 1938, 28: 440-2. — Beitrag zur Kenntnis der Veränderungen der inkretorischen Organe der Kaninchen durch dauernde Applikation von Jodnatriumlösung. *Ibid.*, 1940, 30: 212. — **Nazarova, E., & Trubacheva, O.** [Iodine action on the thyroid and sexual glands of animals]. *Russ. klin.*, 1927, 8: 681-9. — **Ring, G. C.** Thyroid activity after iodine ingestion. *Am. J. Physiol.*, 1941, 134: 631-5. — **Seufferheld, F., & Zickgraf, G.** Einfluss von natürlichen Jodverbindungen auf die Sexualsphäre des Menschen. *Zbl. inn. Med.*, 1934, 55: 433-6. — **Sodano, A.** Influenza dell'iodo sulla sfera genitale femminile. *Arch. ostet. ginec.*, 1934, 2. ser., 21: 267-76. — **Sturm, A.** Die Jodempfindlichkeit der Schilddrüse. *Verhber. Internat. Kropfkongr.* (1933) 1935, 2. Konf., 288-94.

Pharmacology: Expectorant effect.

Moniz, E., Martins, A., & Almeida Lima. Injection de solution d'iodure de sodium dans la carotide externe; réflexe d'expectoration. *C. rend. Soc. biol.*, 1928, 98: 1006-8. — **Taft, L., & Levin, N. M.** Studies of the expectorant action of iodides. *J. Allergy*, 1940-41, 12: 416. Also *Am. J. M. Sc.*, 1942, 203: 717-22.

Pharmacology: Metabolic and growth effects.

LAUTEN, R. *Ueber den Einfluss des Jods auf die Sauerstoffzehrung überlebenden Gewebes [Münster] 15p. 21cm. Werne a. d. Lippe, 1935.

Abelin, I. Ueber eine schilddrüsenähnliche Wirkung des anorganischen Jods. *Klin. Wschr.*, 1927, 6: 584-6. — Nichtschilddrüsenstoffe mit Schilddrüsenwirkung: Einfluss der Abbauprodukte des künstlich jodierten Eiweisses (Homothyrone) auf das Vogelei und auf die Körpertemperatur des Meerschweinchens. *Arch. exp. Path.*, Berl., 1934, 175: 146-50. — **Blacher, L. J., & Belkin, R. I.** [Effect of crystallized iodine on the metamorphosis in axolotls]. *Tr. Lab. Exp. Biol. Zoo Moskva*, 1927, 3: 83-98. — **Brandt, W., Mattis, H., & Nolte, E.** Ueber die Einwirkung verschiedener Jodeiweiss-Spaltprodukte auf Entwicklungs- und Regenerationsvorgänge. *Biochem. Zschr.*, 1931, 243: 369-79. — **Chaloungui, P., & Zell, F.** Ueber die Wirkung von Diodotyrosin, Jod und Jodglidin auf den Cholesteringehalt des Blutes. *Arch. exp. Path.*, Berl., 1937, 185: 71-6. — **Chaneles, J.** Action de l'iodure sur la fluorose chronique. *C. rend. Soc. biol.*, 1929, 102: 863. — **Delcourt-Bernard, E.** Nouvelles recherches concernant l'action de l'iodure sur le métabolisme de base. *Rev. belge sc. méd.*, 1932, 4: 503-16. — **Giacomini, E.** Effetti della somministrazione di sostanze iodate, in confronto a quelli della tiroide, sul piumaggio dei polli. *Boll. Soc. ital. biol. sper.*, 1928, 3: 326-31. — **Glatzel, J.** Die Wirkung von Jod auf den Grundumsatz bei Darmverschluss. *Wien. med. Wschr.*, 1935, 85: 397-400. — **Grabmeyer, G. P., & Prentiss, A. M.** The effect of iodides on the nitrogen partition. *J. Pharm. Exp. Ther.*, 1926-27, 27: 231-4. — **Hanzlik, P. J., Talbot, E. P., & Gibson, E. E.** Continued administration of iodide and other salts; comparative effects of weight and growth of the body. *Arch. Int. M.*, 1928, 42: 579-89. — **Harmon, J.** Die Stoffwechselwirkung von anorganischem Jod auf den Stoffwechsel athyretor Ratten. *Ausz. Inaug. Diss. Med. Fak. Univ. Bern* (1935-37) 1938, No. 142. 1. — **Ingram, W. R.** Metamorphosis of the Colorado axolotl by injection of inorganic iodine. *Proc. Soc. Exp. Biol.*, N. Y., 1928-29, 26: 191. — **Ito, H.** An experimental study on the effect of iodides on the growth and radiosensitivity of malignant tumour; the effect of iodides on the growth of malignant tumour. *Jap. J. Obst. Gyn.*, 1937, 20: 536-40. — An experimental study on the effect of iodides on the growth and radiosensitivity of malignant tumour; the effect of iodine on the growth and radiosensitivity of malignant tumour. *Ibid.*, 345-9. — An experimental study on the effect of iodides on the growth and radiosensitivity of malignant tumour; on the effect of iodine on the function of reticulo-endothelial system. *Ibid.*, 1938, 21: 183. — **Kochmann, M.** Einfluss des Jodions auf das Körpergewicht wachsender Tiere (Versuche mit Tölzer Salz und Natriumjodid). *Münch. med. Wschr.*, 1931, 78: 563. — **Koger, M., Reineke, E. P., & Turner, C. W.** Influence on growth of thyroactive iodocasein. *Proc. Soc. Exp. Biol.*, N. Y., 1943, 52: 236. — **Lecoq, R., & Duffau, R.** Variations de quelques constituants musculaires chez le rat préalablement rachitise puis guéri par adjonction, à la ration, d'iodure ou de dérivés iodés. *C. rend. Soc. biol.*, 1933, 128: 619-21. — **Leim, A.** Relative effectiveness of iodine in thyroxin, diiodotyrosine, and potassium iodide in inducing metamorphosis in amphibia. *Proc. Soc. Exp. Biol.*, N. Y., 1937-38, 36: 348-50. — **Lemort, A.** L'action du Lugol chez les sujets à métabolisme abaissé.

C. rend. Soc. biol., 1930, 103: 38. — L'action de l'iodé chez les sujets à métabolisme normal. *Ibid.*, 1931, 106: 1283. — **Lipschütz, A., & Morales, E.** Influence de l'iodé sur les organes sexuels et sur la croissance, chez le rat. *Ibid.*, 1936, 121: 337-40. — **Marine, D., Deutch, M., & Cipra, A.** The effect of large doses of iodine on heat production in rabbits. *Proc. Soc. Exp. Biol.*, N. Y., 1926-27, 24: 657-62. — **Martin, K. A.** The conditions under which iodine will cause a change in the basal metabolic rate in man; its occurrence in conditions other than that of Grave's disease. *Am. J. M. Sc.*, 1927, 174: 648-60. — **Maurer, E., & Diez, S.** Ueber Wachstumsbeschleunigung an jungen Ratten bei Verfütterung jodangereicherter Kost an das laktierende Muttertier. *Biochem. Zschr.*, 1927, 182: 291-300. — **Mendel, L. B., & Vickery, H. B.** Effect of continued administration of iodine on the growth of the albino rat. *Proc. Soc. Exp. Biol.*, N. Y., 1929-30, 27: 806-9. — **Palmer, W. W.** The effect of iodine on creatinuria in hyperthyroidism. *Ibid.*, 1927-28, 25: 229. — **Parker, J. E.** Influence of thyroactive iodocasein on growth of chicks. *Ibid.*, 1943, 52: 234-6. — **Phatak, N. M., Zener, F. B., & David, N. A.** Effects of iodine therapy on blood iodine and basal metabolic rate in pregnancy. *Ibid.*, 1940, 45: 667. — **Picado, T. C.** El yodo cofermento del metabolismo de los azúcares en las plantas y animales. *Arch. Soc. biol. Montevideo, Suppl.*, 1930-32, 737-40. — **Ring, G. C.** The effects of iodine ingestion on the metabolism of normal animals. *Am. J. Physiol.*, 1941, 133: 426. — **Scharer, K., & Schropp, W.** Untersuchungen über den Einfluss steigender Gaben von Jodid, Jodat und Perjodat auf die Keimung und die erste Jugendentwicklung einiger Kulturpflanzen. *Biochem. Zschr.*, 1931, 236: 187-204. — Weitere Untersuchungen über die Wirkung steigender Jodmengen in Form von Jodid, Jodat und Perjodat sowie elementarem Jod auf die Keimung und die erste Jugendentwicklung verschiedener Kulturpflanzen. *Ibid.*, 239: 74-93. — **Sellei, C., & Mayer, G.** [The effect of iodine upon the gas metabolism of the tissues]. *Magy. orv. arch.*, 1938, 39: 519-23. — **Shillito, F. H., & Turner, K. B.** Effect of iodine on absorption of cholesterol. *Proc. Soc. Exp. Biol.*, N. Y., 1935-36, 33: 600-4. — **Siebert, W. J., & Linton, C. S.** Comparison of the effects of potassium iodide and of diiodotyrosin upon basal metabolism. *J. Pharm. Exp. Ther.*, 1935, 53: 418-29. — **Stüner, O.** Der Einfluss kleinster Jodgaben auf die Milchsekretion. *Schweiz. med. Wschr.*, 1927, 57: 846-8. — **Strickler, A., & Fowler, O. M.** The effect of iodine vapor on the growth of fibroblasts of embryonic chick heart and malignant tumor cells in vitro. *Am. J. Cancer*, 1933, 19: 789-816. — **Watanabe, M.** Ueber das Verhalten des Harnquotienten C:N bei der Jodwirkung. *Deut. med. Wschr.*, 1926, 52: 1172. — **Weiser, I.** Adatok a jód biokémiaiához; kis jódadagok hatása a fiatal szervezet növekedésére. *Közl. öszechas. élet & kört.*, 1928, 22: 281-6. — **Zavadovsky, B. M., & Titaev, A. A.** Ueber den Einfluss organischer und anorganischer Jodpräparate auf die Mauser und Depigmentierung des Hühnergefieders. *Arch. Entwemch.*, 1928, 113: 582-600. Also *Med. biol. J.*, Leningr., 1928, 4: 34-49.

Pharmacology: Neural effect.

Bartorelli, C. Sull'eteroetismo neuromuscolare da sali di iodio etilossostituiti. *Boll. Soc. ital. biol. spec.*, 1939, 14: 208. — **Chidester, F. E.** The nervous system and iodine. *Pharm. Advance*, 1942, 14: No. 158, 9-12. — **Cowan, S. L., & Walter, W. G.** The effects of tetra-ethylammonium iodide on the electrical response and the accommodation of nerve. *J. Physiol.*, Lond., 1937-38, 91: 101-26.

Pharmacology: Preparations.

Armendáriz, E. Yodo y sus compuestos. *Mem. Congr. méd. nac. mex.*, 1910, 4, Congr., 737-47. — **Bettin, G.** Ueber eine besonders wirksame Form der perkutanen Jodanwendung. *Fortsch. Ther.*, 1928, 4: 228. — **Cecchini, A.** Di un nuovo iododerivato. *Gior. farm. chim.*, Tor., 1908, 57: 441-4. — **Dessy, B.** Sullo iodio nascente nella pratica ostetrico-ginecologica. *Minerva med.*, Tor., 1939, 30: 388. — **Düker, W.** Ueber Jodalacet, ein neuartiges Wunddesinfizien und Haemostypticum. *Med. Klin.*, Berl., 1928, 24: 1521. — **Ettinger, U.** Ueber perkutane Jodbehandlung. *Fortsch. Ther.*, 1928, 4: 423. — **Ferraz Costa, V.** Emprego dos compostos iodatinicos em clinica. *Arq. biol. S. Paulo*, 1941, 25: 244-6. — **Fórmulas de medicamentos yódicos.** *Botica, Barcel.*, 1852-53, 1: 27; 42: 58; 88: 108; 120: 168; 316. — **Griffith, I.** Solid extracts. *Am. J. Pharm.*, 1940, 112: 31-4. — **Harry, J. C.** Iodine preparation and process of making the same. *U. S. Patent Off.*, 1923, No. 1,896,171. — **Henry, J.** Les médicaments composés avec ce corps [l'iodé] et les hydriodates, et sur les iodures. *Observ. sc. méd.*, 1822, 3: 211-20. — **Hunziker, U.** Ueber jodhaltige Spezialitäten und Geheimmittel. *Schweiz. med. Wschr.*, 1926, 56: 257. — **Iodo (Del)** y sus preparados medicinales. *Diar. gen. cienc. méd.*, Barcel., 1827, 3: 16-20. — **Isnard, E.** Contribución al estudio de los yoduros dobles de emetina y de bismuto. *Bol. farm. mil.*, Madr., 1926, 4: 143-8. — **Joduro (Del)** d'amido. *Gior. progr. pat.*, Venez., 1846, ser. 2, 10: 305. — **Jordanoff, P.** Klinische Versuche mit Introid. *Berl. tierärztl. Wschr.*, 1926, 42: 411-5. — **Kärcher, M.** Das Jod-Bad. *Deut. Aerzt. Ztg.*, 1936, 11: No. 431. — **Kofler, L.** Ueber Präparate mit verschleiertem Jodgehalt. *Wien. klin. Wschr.*, 1926, 39: 386. — **Küster, J.** Jodalacet in der Chirurgie. *Med. Welt*, 1928, 2: 1824-6. — **Lepage, A.** Assaggio di parecchie preparazioni farmaceutiche col ioduro cadmi-potassico. *Gior. farm. chim.*, Tor., 1875, 24: 547-9. — **Ludeña, F. P.** Nuevos datos sobre la acción farmacológica de la candicina. *Rev. Soc.*

argent, biol., 1934, 10: 441-6.—**Mancini**. Lo iodio in terapia (siero-iodato Gandolfo; iodobrom) Med. chir., Nap., 1917, 1: No. 3, 1-5. **Mondio**, G. La iodo-calcio-diuretina Knoll nelle malattie neuropsichiatriche, cardiovasculari e del ricambio. Russ. internaz. clin. ter., 1935, 16: 1039-48. **Naïodine** not acceptable for N. N. R. J. Am. M. Ass., 1933, 100: 2008.—**Oberbach**, H. Erfahrungen mit Jodonascin. Münch. med. Wschr., 1935, 82: 1960. **Parodi**, L. La iodoglicerina; nuovo preparato iodico. Italia san., 1909, 5: 7. **Pfeiler**, R. Ueber ein neues Jodpräparat, das Jonojod. Wien. med. Wschr., 1933, 83: 1098.—**Pohl**, J. Jod und Jodalkalien; Experimentell-Pharmakologisches. In Handb. Haut. & Geschlkr. (A. & G. Alexander) Berl., 1928, 18: 717-35. **Pohle**. Meine Erfahrungen mit Introcid. Berl. tierärztl. Wschr., 1926, 42: 902.—**Preparados** (De los) medicinales del iodo. Diar. gen. cienc. med., Barcel., 1927, 4: 198-201.—**Ruhemann**, E. Erfahrungen mit Jod-Dezmasan in der kleinen Chirurgie. Münch. med. Wschr., 1928, 75: 1030-2.—**San Antonio**, C. de. El método Finikoff en algunos casos de mi práctica. Rev. méd. Rosario, 1935, 9: No. 83, 18-22.—**Scanzoni**, C. von. Klinische Erfahrungen mit dem Jod-Chlorthymolpräparat G 125. Deut. Zschr. Chir., 1930, 228: 423-6.—**Schubert**, J. Ueber die Verwendung von Andriolpräparaten. Derm. Wschr., 1925, 80: 17-9.—**Schuster**, J. Erfahrungen mit Aljodan. Wien. med. Wschr., 1924, 74: 973-5.—**Tennenbaum**, M. Das Verhalten der Jodbiozyme im Tierkörper. Med. Welt, 1929, 3: 1250-2.—**Trutwin**, H. Die chemische Seite des Andriolprinzips. Münch. med. Wschr., 1925, 72: 182.—**Utilization** of different forms of iodine. J. Am. M. Ass., 1936, 107: 1892.—**Veyrières**. L'atmosphère iodée. Bull. méd., Par., 1929, 43: 569.—**Vohnout**, C. [Use of eulysol in surgery] Cas. lek. česk., 1937, 76: 183-5.—**Weinberger**, W. Jodersatzpräparate in der Zahnheilkunde. Zschr. Stomat., 1932, 30: 431-4.—**Witte**, P. J. Iodine compound and method for producing the same. U. S. Patent Off., 1942, No. 2,281,612.—**Zachariae**, G. Perkutane Jodbehandlung. Med. Welt, 1927, 1: 1483.—**Zakin**, K. Y. [Iodine vapors in stomatology] Sovet. stomat., 1931, 9: 37-9.

Phenol compounds.

ACKERSTAFF, R. *Ueber die klinische Brauchbarkeit des Dijozols bei Otitiden und Ekzemen bei Hunden und Katzen [München] 22p. 8°. Brnschw., 1927.

SCHUMACHER, E. *Dijozol in der Zahnheilkunde. 27p. 8°. Heidelb., 1933.

ZEITZ [F. W. S.]. *AOI nach Bertram in der Kleintierpraxis. 43p. 8°. Lpz., 1936.

Bordicau, C. V. Ueber Aristol und die Herstellung von Jodphenolen. Arch. Pharm., Berl., 1934, 272: 8-22.—**Gersdorff**, W. A., & **Smith**, L. E. Effect of introduction of the halogens into the phenol molecule on toxicity to goldfish; moniodophenols. Am. J. Pharm., 1940, 112: 389-94.—**Konrad**, E. Zur Wertigkeitsfrage des Dijozol. Zbl. Gyn., 1933, 57: 776-8.—**Mehlhorn**, W. Ueber ein neues Schutzmittel gegen Infektionen. Berl. tierärztl. Wschr., 1929, 45: 158.—**Nehrkorn**, A. Dijozol als Hautdesinfizienz. Münch. med. Wschr., 1927, 74: 768.—**Weitere** Erfahrungen mit Dijozol. Ibid., 1934, 81: 714.—**Scioppo** iodofenico. Gior. farm. chim., Tor., 1905, 54: 403.—**Wallace**, T. A. Trichloroacetylphenoldiiodide. Long Island M. J., 1916, 10: 147-54.

Phenolphthalein compounds.

Barba-Gosé, J. The toxicity of different chemical samples of tetraiodo-phenolphthalein sodium. Q. J. Pharm., Lond., 1929, 2: 396-403. Also Tr. Inst. fisiol. Barcelona, 1929-30, 3: 332-9.—**El control biológico del tetraiodofenol-fralcinato sódico**. Ibid., 326-31, 1 diag.—**Beyreis**. Ein Beitrag zur gerichtlich-medizinischen Beurteilung der Vergiftung mit Tetraiodophenolphthalein-Natrium (Jodtetragnost - Merek) Dent. Zschr. gerichtl. Med., 1927, 10: 156-74.—**Bronner**, H., & **Madlener**, M. J. Einfluss der Rückresorption auf die Jodausscheidungskurve im Blut nach Jodtetragnostinjektion. Klin. Wschr., 1935, 14: 1170-2.—**Death** following oral administration of sodium-tetraiodo-phenolphthalein. N. Zealand M. J., 1928-29, 27: 230.—**Delario**, A. J. Paths of absorption and excretion of sodium tetraiodophenolphthalein. J. Lab. Clin. M., 1930-31, 16: 329-40.—**Ellzey**, E. F., & **Wendt**, H. W., jr. Tetraiodophenolphthalein compositions. U. S. Patent Off., 1934, No. 1,984,404.—**Hoesch**, K. Ueber das Schicksal des intravenös injizierten Tetraiodophenolphthaleins beim Menschen. Münch. med. Wschr., 1926, 73: 1109-11.—**Hsieh**, C. K. Effects of sodium tetraiodophenolphthalein on some vital organs. Ann. Int. M., 1927, 1: 96-108.—**Iodeikon**. J. Am. M. Ass., 1939, 112: 1257.—**Korkhov**, V., & **Olkhovskaia**, M. [Pathologic-anatomic (microscopic) changes in the internal organs of dog after injections of tetraiodophenolphthalein] Vest. rentz., 1931, 9: 105-21.—**McMillan**, J. C., & **Wheeler**, D. The administration of sodium tetraiodophenolphthalein. Canad. M. Ass. J., 1929, 29: 390.—**Mairano**, M., & **Biancalana**, L. Ricerche cliniche e sperimentali sulla tetraiodofenolfaleina. Arch. ital. chir., 1931-32, 30: 556-74.—**Nickel**, A. C. The bacteriostatic and germicidal value of tetiothalein sodium—N. N. R. (tetraiodophenolphthalein) Proc. Mayo Clin., 1929, 4: 178.—**Tetiothalein sodium**—N. N. R. (tetraiodophenolphthalein) as an antiseptic and a germicide of the biliary tract. J. Pharm. Exp. Ther., 1929-30, 37: 359-66.—**Palma**, R.

Ricerche sperimentali sugli effetti della tetraiodofenolfaleina. Ann. ital. chir., 1927, 6: 489-508, pl.—**Reid**, W. D., & **Kenway**, F. L. The action of tetraiodophenolphthalein on the heart. J. Am. M. Ass., 1927, 88: 540. Also Radiology, 1927, 9: 162.—**Weiss**, S. Die rektale, duodenale und orale Anwendung des Natriumsalzes von Tetraiodo- und Tetraiodophenolphthalein; vorläufige Mitteilung. Med. Klin., Berl., 1926, 22: 1073.—**Zappala**, G. Modificazioni del tasso glicemico dopo iniezione endovenosa di tetraiodofenolfaleina e loro significato. Policlinico, 1932, 39: 463.

Photochemistry.

Blaedel, W. J., **Ogg**, R. A., jr., & **Leighton**, P. A. Photo-oxidation of methyl iodide. J. Am. Chem. Soc., 1942, 64: 2500.—**Cook**, G. A., & **Bates**, J. R. The photo-oxidation of hydrogen and deuterium iodides. Ibid., 1935, 57: 1775-8.—**DeRight**, R. E., & **Wiig**, E. O. Photochemical investigations; the photochemical decomposition of ethylene iodide in solutions of carbon tetrachloride. Ibid., 2411 5.—**Ellis**, C., & **Wells**, A. A. The photo-oxidation of hydrogen iodide. In their Chem. Action UV Rays, rev. ed., N. Y., 1941, 305.—**Emschwiller**, G. Formation d'anhydride iodique par photooxydation d'iodures organiques; photooxydation de l'iodure de méthylène. Bull. Soc. chim. France, 1939, 5. ser., 6: 551-60.—**Formation** d'anhydride iodique par photooxydation d'iodures organiques; généralité du phénomène; photooxydation de l'iodoforme et du tétraiodure de carbone solides. Ibid., 561-70.—**L'action** chimique de la lumière sur les dérivés diiodés des carbures d'hydrogène; diiodoéthane, diiodométhane. C. rend. Acad. sc., 1934, 199: 854-6.—**Forbes**, G. S., & **Nelson**, A. F. Photoiodination of the ethylenic bond at low temperatures. J. Am. Chem. Soc., 1936, 58: 182.—**Ghosh**, J. C., **Narayana Murthi**, D. S., & **Das Gupta**, D. N. Untersuchungen über die photosensibilisierende Wirkung von Jod; die isomere Umwandlung von Allo-cinnamyliden-essigsäure in die Normalform. Zschr. phys. Chem., Abt. B, 1934, 26: 255-71.—**Koeppel**, H. Wirkung des Lichtes auf Jod in der Atmosphäre und auf Jod im Organismus. Mschr. Kinderh., 1933, 56: 149-55.—**Livingston**, R. The photooxidation of iodide ion sensitized by eosin; the effect of the oxygen concentration and of the light intensity. J. Phys. Chem., 1942, 46: 233-8.—**Hurd**, F. The photooxidation of iodide ion sensitized by eosin. Ibid., 1941, 45: 547-60.—**Schumacher**, H., & **Stieger**, G. Der Einfluss der Wellenlänge auf die photochemische Reaktion zwischen Äthylenjodid und Jod. Zschr. phys. Chem., Abt. B, 1931, 12: 348-52.—**Strakhov**, N. P. [Inner mechanism of the photochemical oxidation of hydriodic acid] J. Russ. fiz. khim. obsch., khim. ch., 1916, 48: 824-37.—**Tambylyn**, J. W., & **Forbes**, G. S. Photochemistry of diiodoacetylene and tetraiodoethylene. J. Am. Chem. Soc., 1940, 62: 99-104.—**Terenin**, A. Photochemical reactions of adsorbed iodine molecules. Acta physicochim. URSS, 1934, 1: 178-80.—**Warburg**, E. Photolyse des Jodwasserstoffs. Sitzber. Preuss. Akad. Wiss., 1918, 300-17.—**West**, W., & **Schlessinger**, L. The mechanism of the photodecomposition of methyl and ethyl iodides. J. Am. Chem. Soc., 1938, 60: 961-6.—**Winther**, C. Die Oxydation des Jodwasserstoffs im Dunkeln und im Lichte; Vorausbesprechung der Lichtempfindlichkeit. Zschr. phys. Chem., Abt. B, 1929, 3: 315-36.

Physical properties.

Bates, J. R. Electronic energy transfers between iodine and other molecules. J. Phys. Chem., 1937, 41: 57-9.—**Courty**, C. Sur le diamagnétisme des solutions d'iodure et la pureté de l'alcool. C. rend. Acad. sc., 1937, 205: 140.—**Curtis**, W. E., & **Evans**, S. F. The spectra of the halogen molecules; iodine. Proc. R. Soc., Lond., 1933, ser. A, 141: 603-25, pl.—**Elliott**, A. The molecular spectrum of iodine excited by fluorescence (in the presence of nitrogen) and by active nitrogen. Ibid., 1940, 174: 273-85, pl.—**Frederick**, K. J., & **Hildebrand**, J. H. Specific heats and heat of fusion of iodine. J. Am. Chem. Soc., 1938, 60: 1436-9.—**Howe**, J. P., & **Noyes**, W. A., jr. The quenching of iodine fluorescence by benzene vapor. Ibid., 1935, 57: 1262-5.—**Jagielski**, A. Sur la constante diélectrique du iode liquide. Bull. internat. Acad. polon. sc., 1932, ser. A, No. 10A, 327-35.—**Mesnage**, P. Sur les spectres de bandes des iodures alcalino-terreux. C. rend. Acad. sc., 1938, 206: 1634.—**Miller**, M. A. Ueber die Kristallisation von Jod und Jodiden in Gelen. Kolloid Zschr., 1937, 80: 327-33.—**Mollwo**, E. Sichtbare Elektronen-Ersatzleitung in Alkalijodidkristallen. Nachr. Ges. Wiss. Göttingen, math.-phys. Kl., 1934-35, n. F., 1: Phys., 215-20.—**Nayder**, T. Ueber die Dichte des flüssigen Jods. Bull. internat. Acad. polon. sc., 1934, ser. A, 231-8.—**Pamfilov**, A. V., & **Teis**, R. V. Les spectres d'absorption des solutions d'iodure. Bull. Soc. chim. France, 1936, 5. ser., 3: 389-96.—**Patrick**, W. A., & **Land**, W. E. A study of the influence of capillarity on the melting point of iodine. J. Phys. Chem., 1934, 38: 1201-10.

Physiology.

SALTER, W. T. The endocrine function of iodine. 351p. 24cm. Camb., Mass., 1940.

Asmundson, V. S., **Almqvist**, H. J., & **Klose**, A. A. Effect of different forms of iodine on laying hens. J. Nutrit., 1936, 12: 1-14.—**Chidester**, F. E. Iodine in relation to immunity. Med. World, 1935, 53: 320-2.—**Giacomini**, E. Effetti della milza e del fegato iodati di agnello e degli organi di polli tratti

con tali sostanze sulla metamorfosi degli axoloti (contributo sperimentale allo studio della funzione dello iodio nell'organismo). Rendic. Accad. sc. It. Bologna, 1927-28, 32: 108-16.—**Maurer, E., Schropp, W., & Ducruc, H.** Ueber den Einfluss der Jodddung auf Wachstum und Zusammensetzung der Nahrungspflanzen. Münch. med. Wschr., 1928, 75: 1246.—**Moore, M. C., & Moseley, H. W.** Iodine and its relation to health; a review. N. Orleans M. & S. J., 1934, 86: 449-58.—**Pfeiffer, G.** Das Jod als Bioelement und Pharmakon. Endokrinologie, 1933, 13: 40-53.—**Quart, C. A. J.** [Importance of iodine for life] Geneesk. bl., 1931, 29: 155-206.—**Turner, K. B., & Bidwell, E. H.** Some effects of iodine given to rabbits after a period of cholesterol feeding. Proc. Soc. Exp. Biol., N. Y., 1936-37, 35: 656-60.—**Wendt, G. von.** Zur Frage der physiologischen Bedeutung des Jods. Zschr. Infektr. Hnawstiere, 1928, 33: 129-32. — On the biology of iodine and iodine combinations. Abstr. Internat. Physiol. Congr., 1929, 13. Congr., 282.

— Poisoning.

Aparicio Garrido, J. Un caso de yodismo consecutivo a aplicación percutánea de yodo. Siglo méd., 1936, 97: 338.—**Becker, W. H.** Jodvergiftung und Hautneurose. Med. Klin., Berl., 1938, 34: 1692.—**Bejerinck, C. W.** [Rare symptoms due to use of potassium iodide] Ned. tscr. geneesk., 1937, 81: 5333-41, 2 pl.—**Benassi, E.** Ricerche sperimentali sugli eventuali effetti tossici dell'Uroselectan. Arch. ital. urol., 1930-31, 7: 522-40.—**Berman, A. L., & Ivy, A. C.** The toxicity of various iodine solutions. J. Lab. Clin. M., 1939-40, 25: 113-20.—**Birklen, R.** Ueber eine seltene Quelle von Jodvergiftungen. Med. Klin., Berl., 1937, 33: 1397.—**Buey, P.** [Intoxication of the internal ear by potassium iodide] In Jubil. otorinol. sborn. posv. A. N. Zimin (Novosibirsk. Inst. usoversh. vrachei) Novosibirsk, 1933, 26-8.—**Carmichael, D. A.** Iodine poisoning and iodism from lipiodol. Canad. M. Ass. J., 1932, 26: 319.—**Cervera, L., & Agusti, P.** Dissociació auriulo-ventricular per el iodeur potasí. Tr. Soc. biol., Barcel., 1914, 2: 171, 5 pl.—**David, A., & Happe, C.** Sur la toxicité de l'iodé: à propos d'une double tentative d'empoisonnement par la teinture d'iodé. J. sc. méd. Lille, 1924, 42: pt. 2, 165-71.—**Dennig, H.** Thrombopenische Purpura nach Jodeinnahme. Münch. med. Wschr., 1933, 80: 562.—**Eger, W.** Ueber Hodenveränderungen bei weissen Ratten nach chronischer Jodvergiftung. Frankf. Zschr. Path., 1938, 52: 355-62.—**Eichler, O.** Momente der Giftwirkung und Ausscheidung von Jodid, mit einer Bemerkung über das Prinzip von Le Chatelier. Arch. exp. Path., Berl., 1936-37, 184: 82-4.—**Fernández Piñero, M.** Yodismo. Rev. espec. méd., Madr., 1909, 12: 49-52.—**Finkelstein, R., & Mendel, J.** Fatal iodine poisoning: a clinico-pathologic and experimental study. Ann. Int. M., 1936-37, 10: 1283-96, fig.—**Firth, J. O.** Iodism. J. Am. M. Ass., 1933, 100: 10.—**Frey, W., Berger, W., & Pfister, H.** Das Elektrokardiogramm bei Vergiftung mit monoiodessigsäurem Natrium. In Festschr. Emil Birgi, Basel, 1932, 84. Also Schweiz. med. Wschr., 1932, 62: 230-2.—**Galli, A.** Intossicazione acuta per applicazione percutanea di tintura di jodio. Gazz. osp., 1929, 50: 1299.—**Gillespie, J.** Empoisonnement par l'application sur la peau de la teinture d'iodé. J. chim. méd., Par., 1865, 5. ser., 1: 73.—**Goldberg, H. K.** Iodism with severe ocular involvement; report of a case. Am. J. Ophth., 1939, 3. ser., 22: 65-8.—**Gosselin, J., & Leblond, S.** Choc à l'uroselectan chez un patient tonique. Bull. Soc. méd. hôp. Québec, 1934, 432-7.—**Guptill, P.** Acute iodism during the treatment of toxic goiter. Surgery, 1942, 11: 962-5.—**Herzfeld, E., & Frieder, A.** Jod und Jodkohlsalzschäden. Münch. med. Wschr., 1932, 79: 2075.—**Hilbish, T. F.** Toxic effects of the iodides with report of 5 cases. Hosp. News, Wash., 1940, 7: No. 22, 13-21.—**Holm, K.** Ueber Vergiftungen mit Jod und seinen Verbindungen. Derm. Wschr., 1926, 83: 1763; 1796. — Ueber den Mechanismus der Jodvergiftung. Klin. Wschr., 1926, 5: 819.—**Hüssy, P.** Jodvergiftung und weibliches Genitalsystem. Schweiz. med. Wschr., 1927, 57: 818-20.—**Iodine poisoning.** Med. J. Australia, 1937, 2: 373.—**Izquierdo Laguna, S.** Un caso de muerte consecutivo a la inyección intratracal de aceite yodado. Arch. med., Madr., 1933, 36: 63-72.—**Jungmichel, G.** Todesfall nach Per-Abrodilinjektion. Münch. med. Wschr., 1940, 87: 393-8.—**Katzenstein, L.** Fever due to iodides. Am. J. Syph., 1938, 22: 346-8.—**Lasch, F.** Zur Toxikologie neuartiger Jod-Metallpräparate (Andriole) Wien. med. Wschr., 1924, 74: 1311-8.—**Leibowitsch, I.** Ein Fall akuter Jodvergiftung, zugleich ein Beitrag zur Jodwirkung. Münch. med. Wschr., 1933, 80: 305.—**Linder, G. C.** Dark blue vomit during iodide therapy. Lancet, Lond., 1934, 2: 811.—**Lobsenz, J. M.** Fatal iodine poisoning from wound application in a case of avitaminosis. Med. Rec., N. Y., 1937, 146: 158.—**Mann, A. T.** Two cases of poisoning by potassium iodide. Northwest. Lancet, 1901, 21: 125-8.—**Masser, M.** A case of iodism. Lancet, Lond., 1927, 1: 820.—**Mehler, L.** Ein Fall von akuter Jodintoxikation. Mschr. Ohrenh., 1933, 67: 671-3.—**Moede, R. B.** The influence of iodic acid poisoning upon oxygen consumption of striated muscle. Am. J. Physiol., 1933, 103: 94-6.—**Nühe, I.** Ueber Jodschäden, unter besonderer Berücksichtigung von Vollsalschäden. Deut. Arch. klin. Med., 1934-35, 177: 345-67.—**Nyiri, W., & Dubois, L.** Toxicity of colloidal iodine. J. Am. Pharm. Ass., 1931, 20: 546-50.—**Raab, W.** Jodschäden in der Wiener Bevölkerung. Wien. klin. Wschr., 1931, 44: 309-17. — Nachtrag zur Frage der Jodschädigungen in Wien. Ibid., 452.—**Radnai, P., & Piltner, S.** [Myocarditis from iodine

administration] Orv. hetil., 1932, 76: 695.—**Ramond, P.** Intoxication iodée réveillée par une purgation. Bull. Soc. méd. hôp. Paris, 1908, 3. ser., 25: 623-5.—**Ravassini, G.** Ricerche farmacologiche sull'uroselectan; tossicità. Arch. ital. urol., 1930-31, 7: 457-74.—**Riebel, J. A., & Riebel, F. A.** Fatal result from use of uroselectan. Radiology, 1931, 16: 380.—**Schendstock.** Vergiftung durch Jodtinktur im Wege der Haut. In Was gibt es Neues (Puttkammer, V.) Hannover, 1938, 29.—**Seymour, W. B., jr.** Poisoning from cutaneous application of iodine; a rare aspect of its toxicologic properties. Arch. Int. M., 1937, 59: 952-66.—**Snell, N. W., & Savin, L. H.** A case of iodism in which oedema glottidis necessitated tracheotomy. Lancet, Lond., 1927, 1: 759.—**Thygesen, C., & Nielsen, C.** [Case of potassium iodide poisoning] Ugeskr. laeger, 1937, 99: 835.—**Tsamplakos, D.** Akute Jodintoxikation nach Uroselectan. Med. Klin., Berl., 1931, 27: 1353.—**Vogt, A.** Zwei Fälle von Jodvergiftung durch Augentropfen gegen Altersstar. Schweiz. med. Wschr., 1933, 63: 222.—**Witcox, R. W.** Potassium iodide poisoning. N. York M. J., 1916, 103: 975.—**Zimmermann, H.** Zur Häufigkeit von Jod-Thyreotoxikosen und Vollsalschädigungen. Münch. med. Wschr., 1931, 78: 52-5.

— Poisoning: Allergy and tolerance.

See also Dermatitis, venenata.

BRANDTNER, P. *Zwei Fälle von Jododerma bullosum (Jodpemphigus) nach innerlichem Gebrauch von Kalium iodatum. 17p. 8° Lpz., 1913.

MEYER, F. *Ein Fall von Jodkaliexanthem (mit histologischem Befund) 29p. 8° Lpz., 1910.

PENNDORF, G. *Ein Fall von Jododerma tuberosum fungoides. 16p. 8° [Rostock] 1925.

SCHMOLZE, H. *Jodausscheidung nach Einspritzung von Jodkaliumgelatinelösung ins Blut. 8p. 8° Giessen, 1922.

Adamson, H. G. Bullous iodide eruption in association with malignant endocarditis and nephritis. Brit. J. Derm. Syph., 1938, 50: 167-73.—**Alexander, C.** Fatal dermatitis following the use of iodine spirit solution. Brit. M. J., 1930, 2: 100.—**Alstead, S.** Iodism. Glasgow M. J., 1935, 123: 196-201.—**Bejerinck, C. W.** [Iododerma] Ned. tscr. geneesk., 1937, 81: 4748.—**Belote, G. H.** Iododerma from iodized oil. J. Am. M. Ass., 1927, 89: 882.—**Boas** [Vegetating potassium iodide exanthema] Hospitalstidende, 1918, 61: 1309.—**Bonnet, L. M.** Eruption pustuleuse généralisée due à l'iodure de potassium. Lyon méd., 1908, 110: 369.—**Bonnevie, P.** [Iododerma tuberosum] Hospitalstidende, 1934, 77: (Dansk derm. selsk. forh.) 7-10.—**Bory, L.** Les iodides cutanées. Progr. méd., Par., 1934, 1046-9.—**Brack, W.** Untersuchungen an einem Fall von Jodüberempfindlichkeit. Derm. Zschr., 1929, 56: 26-46.—**Busman, G. J., & Hegarty, F. A.** Persistent eruption due to iodide. Arch. Derm. Syph., Chic., 1936, 34: 155.—**Cantani, A.** Sull'azione antianafilattica del jodo. Gior. batt. immun., 1930, 5: 365-71.—**Cleveland, D. E. H.** Iododerma from an asthma remedy. Canad. M. Ass. J., 1934, 30: 181.—**Clifford, S. H.** Iodine hypersensitization. Boston M. & S. J., 1926, 195: 931.—**Cottenot, P., & Liquier, A.** Un cas de sensibilisation cutanée à l'iodé par les rayons X; l'iodure de potassium provoque une éruption papuleuse urticaire sur la zone irradiée. Bull. Soc. fr. derm. syph., 1939, 46: 869-71.—**Danel, L.** Cas fatal d'iodides bulleux et végétants. Ibid., 1926, 33: 40-2.—**De Azúa, J.** Iodismo aigu déquémateux et érythémateux des zones malades dans un cas d'anéodermie érythémateuse de Jadassohn. Derm. Stud., Hamb., 1910, 20: 206-20.—**Dubreuilh, W., & Petges, G.** Iodisme bulleux. J. méd. Bordeaux, 1908, 38: 251.—**Eller, J. J., & Fox, E. C.** Fatal iododerma. Arch. Derm. Syph., Chic., 1931, 24: 745-57.—**Fokerman, M. L.** [Case of idiosyncrasy to iodine] Klin. med., Moskva, 1929, 7: 643.—**Fox, T.** Two cases of severe iodide of potassium eruption. Tr. Clin. Soc. Lond., 1878, 11: 40-8.—**Franchi, F.** Eccezionale ipersensibilità all'ioduro di potassio in un caso di dermatite erpetiforme di Duhring. Gior. ital. derm. sif., 1934, 75: Suppl. 174.—**Fröhner.** Jodexanthem beim Pferde. Mhefte prakt. Tierh., 1907, 19: 120.—**Gaté, J., Cuilleret, P., & Peissel, J.** Iodurides végétants guéries; réactivation après plusieurs semaines par les sels bismuthiques, puis par le novarsénobenzol. Bull. Soc. fr. derm. syph., 1939, 46: 555-8.—**Gaté, J., Cuilleret, P., & Racouchot, J.** Iodurides bulleux et végétants très étendus de la face. Ibid., 1937, 44: 170.—**Gaté, J., Michel, P. J., & Chapuis, A.** Iodurides végétants. Ibid., 1933, 40: 1068.—**Gaté, J., Racouchot, J.** Eczéma dysidrosique à grosses vésicules, consécutifs à l'ingestion de tétraiodé. Ibid., 1937, 44: 575.—**Ghisio, P.** Pénfro yódico. Sem. méd., B. Air., 1912, 19: pt. 2, 780-3.—**Gotheil, W. S.** Iododerma bullosum haemorrhagicum. J. Am. M. Ass., 1909, 53: 1465-7.—**Graf, M.** [Case of intolerance to Per-Abrodil] Polska gaz. lek., 1938, 17: 589-90.—**Gray, A. M. H.** (Case of (?) potassium iodide eruption. Proc. R. Soc. M., Lond., 1911-12, 5: Derm. Sect., 149.—**Hall, A. J.** Halogen eruptions. Lancet, Lond., 1926, 2: 952.—**Halsey, J. T., & Frantz, W. E.** Negative results of iodides in anaphylaxis in guinea pigs. Proc. Soc. Exp. Biol., 1935-36, 33: 321.—**Heidsieck, M. L.** Report of 2 cases: 1. Cacodylic acid; 2. Ulcerative iodine eruption.

- Cincinnati Lancet Clin., 1899, n. ser., 43: 585-90.—Hoch, B. Zur Untersuchung der Jodanaphylaxie. Wien. klin. Wschr., 1931, 44: 1531.—Hoffmann, C. A. Ein Fall von Jododermatuberosum bullosum. Arch. Derm. Syph., Wien, 1910, 103: 93-102.—Hoke, E. Die Jodprobe; erhöhte Jodempfindlichkeit der Haut bei Morbus Basedow, Thyreotoxikosen, thyreogen Stigmatisierten und Sympathikotonikern. Med. Klin., Berl., 1931, 27: 650-3.—Hollander, L., & Fetterman, G. H. Fatal iododerma; the eleventh case reported in the literature. Arch. Derm. Syph., Chic., 1936, 34: 228-41.—Hyde, J. N. Note relative to the bullous eruption occurring after ingestion of the iodine of potassium. Cutan. Vener. Dis., 1886, 4: 353-9.
- Dermatitis tuberosa due to ingestion of the iodine compounds. Med. News, N. Y., 1888, 53: 411-5.—Hypersensitivity to iodized preparations in intravenous urography. Am. J. Roentg., 1942, 48: 834-6.—Jacobs, J. L., & Colmes, A. Cutaneous hypersensitivity to iodine. J. Lab. Clin. M., 1940-41, 26: 302-6.—Jaffé, K. Ueber Jodallergie der Haut bei blasenbildenden Hauterkrankungen. Klin. Wschr., 1930, 9: 932.—Joffe, M. J. Erythema iodicum bullosum haemorrhagicum mit tödlichem Ausgange. Arch. Derm. Syph., Berl., 1931, 163: 517-22.—Jones, O. T. Dermatitis consequent on the application of iodine. Brit. M. J., 1931, 1: 14.—Jost, J. Läufe die Wirkung eines Jodpräparates mit der Jodakne parallel? Zschr. ärztl. Fortbild., 1935, 32: 16.—Kaiser, H. Jodallergie, eine Ueberempfindlichkeitsreaktion der Haut gegen Jod. Med. Klin., Berl., 1932, 28: 1237.—Keil, H. Bullous iodide eruptions. Brit. J. Derm. Syph., 1938, 50: 329-32.—Kelly, R. J. A case for diagnosis; iododerma? Arch. Derm. Syph., Chic., 1942, 46: 752.—Klüber, R., & Archer, H. E. Iodide eruption due to wearing an iodine locket. Lancet, Lond., 1935, 1: 744.—Krüger, A. Ein Fall von Idiosynkrasie bei einem Ochsen nach Injektion von Jodipinulsion. Deut. tierärztl. Wschr., 1926, 34: 822.—Labat, J. A., & Kergonou, M. E. Sur un cas d'intolérance à l'iode. J. méd. Bordeaux, 1935, 112: 72-4.—Lanzberg, P. Cas exceptionnel d'intolérance à l'iode; oedème du cou et du larynx après un seul pansement iodo-ioduré fait sur la région du cou. Bull. Soc. fr. derm. syph., 1926, 33: 598.—Lein, A. A rapid method for iodide tolerance determinations. Endocrinology, 1941, 29: 905-7. The influence of the thyroid gland on iodide tolerance in rabbits. Ibid., 908-15.—Lindsay, H. C. L. A case for diagnosis (iododerma due to iodized salt?) Arch. Derm. Syph., Chic., 1939, 39: 1096-8.—Lortat-Jacob, L., & Bureau. Erythèmes infiltrés annulaires médicamenteux. Progr. méd., Par., 1929, 44: 936-40.—Midana, A. Dell'azione dello iodio sulla reattività della cute. Riforma med., 1935, 51: 169-72.—Muller, P. Un cas très grave d'intolérance cutanée à la teinture d'iode. Ann. méd. lég., 1940, 20: 247-53. Also J. méd. Paris, 1940, 60: 299.—Naegeli. Chronische erythematobullose, serpiginöse Jodkaldermatose. Schweiz. med. Wschr., 1936, 66: 896.—Neilson, C. H., & Marchildon, J. W. Eosinophilia produced by potassium iodide. J. Am. M. Ass., 1908, 50: 1351.—Nékám, L. [Jododerma tuberosum] Börgygy. urol. vener. szemle, 1940, 18: 133.—Pannhorst, R. Jodismus bei Anwendung des Degkwitzschen Jodsols. Deut. med. Wschr., 1939, 65: 1275.—Pelner, L. Iodine allergy. J. Lab. Clin. M., 1941-42, 27: 1150-4.—Pessano, J., Seminario, C. M., & Radice, J. C. Un caso de yodurides vegetantes y ulcerosas. Rev. argent. derm. sif., 1938, 22: 213-20.—Priest, K. K. Iodine dermatitis; report of case. J. Am. Dent. Ass., 1935, 22: 122.—Raab, W. Zur Frage der Jodempfindlichkeit Erwachsener. Wien. med. Wschr., 1932, 82: 1549-52.—Semon, H. C. Iodine eruption; an unusual case. Lancet, Lond., 1926, 2: 803.—Senear, F. E. Bullous iododerma; rapid recovery following the use of intravenous injections of sodium chloride. Med. Clin. N. America, 1927, 11: 29-32.—Sézary, A., & Miget, A. Iodides syphiloides. Bull. Soc. fr. derm. syph., 1933, 40: 694-6.—Simon, C. Acné iodique après urographie intraveineuse montrant une absence presque complète de l'élimination rénale de l'iode. Ibid., 1938, 45: 610-2.—Spencer, H. A. Anaphylaxis resulting from the use of an iodide. J. Trop. M. Hyg., Lond., 1930, 33: 339.—Spillmann, L., Watrin, J. [et al.] Eruption bulleuse et végétante consécutive à l'absorption d'une préparation iodurée. Bull. Soc. fr. derm. syph., 1938, 45: 560-2.—Spillmann, L., Weis & Malton. Dermite bulleuse généralisée d'origine iodique chez un hémiplegique. Ibid., 1933, 40: 1254-6.—Springborn, A. Ueber regionale Jodempfindlichkeit. Zschr. ges. exp. Med., 1930, 70: 110-9.—Stein, A. A. Toxidermia nodosa (Erythema nodosum) ex usu kalii iodati. Acta derm. vener., Stockh., 1931, 12: 436-52.—Ugarraza, R. Iodide bulleuse. Bull. Soc. fr. derm. syph., 1932, 39: 1430.—Wartzki, I. M. Acute iodide eruption following the ingestion of a small amount of potassium iodide. Med. J. Australia, 1938, 2: 738-40.—Weiner, A. L. A case of iododerma vegetans. J. Med., Cincin., 1937-38, 18: 620.—Wolfssohn, G. Jodallergie in der Chirurgie. Chirurg, 1932, 4: 649.
- jodiertem Eiweiss. Arch. exp. Path., Berl., 1931, 175: 151-5. Nichtschilddrüsenstoffe mit Schilddrüsenwirkung; weitere Erfahrungen über die Gewinnung schilddrüsenähnlich wirkender Substanzen aus künstlich jodiertem Eiweiss. Ibid., 1930, 181: 250-8. — & Nefel, A. Nichtschilddrüsenstoffe mit Schilddrüsenwirkung; die Bedeutung der Eiweissbeschaffenheit und des Jodierungsverfahrens für die Entstehung jodhaltiger schilddrüsenähnlich wirkender Substanzen. Ibid., 1938, 189: 473-9.—Barkan, G., & Kingisepp, G. Ueber tryptische Jodeiweissverdauung. Ibid., 1931, 160: 610-27.—Fehniger, H. Ueber Jodbramag. Med. Klin., Berl., 1926, 22: 1008.—Fonseca, jr. Dosagem de iodo nos solutos denominados peptonato de iodo. Rev. med. mil., Rio, 1934, 23: 106.—Haurowitz, F., & Appel, G. Präzipitation von Jodproteinen verschiedenen Jodgehaltes durch Antijodsera. Zschr. Immunforsch., 1939, 95: 478-86.—Käer, E. Stoffwechselwirkungen von jodiertem Eiweiss. Klin. Wschr., 1934, 13: 11-3.—Marchionneschi, O. Del siero iodato Gandolfo in terapia. Policlinico, 1916, 23: sez. prat., No. 5, Suppl. 1-4.—Massatsch, C. Zur Kenntnis des Jodtropins nebst einem Beitrag zum Chemosmus der jodierten Eiweisststoffe. Zschr. ges. exp. Med., 1931, 79: 738-42.—Mattis, H. Nachweis von Stoffen mit schilddrüsenartiger Wirkung im Jodeiweiss nach vorausgegangener tryptischer Verdauung respektive Barythydrolyse. Arch. Pharm., Berl., 1931, 269: 442-8, 3 pl.—Nefel, A. Beziehungen zwischen natürlichen und künstlichen Jodeiweisskörpern. Ausz. Inaugur. Diss. Med. Fak. Univ. Bern (1935-37) 1938, No. 231, 1.—Oswald, A. Hydrolyse des Jodeiweissnatriums. Zschr. physiol. Chem., 1911, 72: 374-9.—Pozzilli, P. Sul comportamento farmaco-terapico dello jodo-pepton-Romani. Med. nuova, 1937, 28: 99-102.—Reineke, E. P., Williamson, M. B., & Turner, C. W. The effect of progressive iodination on the thyroidal activity of iodinated casein. J. Biol. Chem., 1942, 143: 285-93. The effect of progressive iodination followed by incubation at high temperature on the thyroidal activity of iodinated proteins. Ibid., 1943, 147: 115-9.—Schwaibold, J. Untersuchungen über Jodeiweiss. Biochem. Zschr., 1930, 218: 355-60.—Snapper, I. [Observations on the immunochemistry of iodine proteins.] Ned. tscr. geneesk., 1936, 80: 2058-64. — & Grunbaum, A. On the immunity reactions of iodoproteins. Brit. J. Exp. Path., 1936, 17: 361-8.—Spiegel-Adolf, M., Hamilton, R. H., jr., & Henny, G. C. X-ray diffraction studies in iodinated amino acids and proteins. Biochem. J., Lond., 1942, 36: 825-8.—Vasilev, A. I. [Iodin-protein therapy] Vest. khir., 1926, 6: pt 17, 106-19.
- Pyridine compounds [Uroselectan; Perabrodil]
- Ascoli, R. Ricerche sulla precipitazione dell'uroselectan da sue soluzioni acide a vario pH. Biochim. ter. sper., 1930, 17: 277-86. — La ricerca dell'uroselectan nel sangue degli uroselectanizzati e la durata della sua permanenza in esso. Riforma med., 1930, 46: 1394.—Beer, E. Uroselectan intravenous urography. Ann. Surg., 1930, 92: 761-5. — Uroselectan as an intravenous pyelograph, ureterograph, and cystograph medium (Swick) Surg. Clin. N. America, 1930, 10: 441-50.—Binz, A. The chemistry of uroselectan. Brit. J. Urol., 1930, 2: 348-51. Also J. Urol., Balt., 1931, 25: 297-309. — Zur Geschichte des Uroselectans. Japan. J. Derm., 1932, 32: 6. — Geschichte des Uroselectans. Zschr. Urol., 1937, 31: 73-84. — & Räh, C. Chemie des Uroselectans. Klin. Wschr., 1930, 9: 2297.—Caporale, L., & Foà, A. L'esame radiologico delle arterie, delle vene e delle cavità patologiche con uroselectan. Minerva med., Tor., 1931, 22: pt 2, 390-7.—Dellepiane, G. Sul potere antisettico dell'ossijodo-piridon-acetato di sodio (uroselectan) Boll. Soc. ital. biol. sper., 1930, 5: 822-4.—Edelmann, H. Uroselectan. Zbl. Chir., 1930, 57: 2548.—Fillis, B. E. Use of intravenous uroselectan in trauma of the urinary tract: report of a case of ruptured kidney. Urol. Cut. Rev., 1931, 35: 567.—Galbraith, W. W., & Mackey, W. A. Uroselectan; a preliminary experimental note. Brit. J. Urol., 1930, 2: 122-8.—Gardner, R. A., & Heathcote, R. S. A. Uroselectan; an experimental study. Ibid., 352-66.—Golachas, B. [Uroselectan-B] Medicina, Kaunas, 1932, 13: 414.—Herman, J., & Melly, B. [Intravenous pyelography with per-abrodil] Gyógyászat, 1933, 73: 100-2.—Inclán Bolado, J. L. Estudio químico toxicológico y clínico del uroselectan. Urol. clin., Madr., 1930-32, 3: 9-84.—Joelson, J. J., & Zollinger, R. Iopax; an analysis of the results obtained in 45 cases, with report of a case showing a severe reaction following injection of iopax. J. Am. M. Ass., 1932, 98: 799-803.—Lepoutre, C. L'exploration des voies urinaires par l'uroselectan. Paris méd., 1930, 77: 360-2.—Lewis, B., Carroll, G., & Schattin, M. Uroselectan; a radiological and urological study. South. M. J., 1931, 24: 206-10.—Lichtenberg, A. von. Klinische Prüfung des Uroselectans. Verh. Deut. Ges. Urol. (1929) 1930, 9. Kongr., 332-6. — & Swick, M. Klinische Prüfung des Uroselectans. Klin. Wschr., 1929, 8: 2089-91.—McClelland, J. C. Uroselectan for intravenous pyelography. Canad. M. Ass. J., 1931, 24: 213-8.—Mackey, W. A. Excretion urography; an experimental investigation of the properties of uroselectan. Glasgow M. J., 1931, 115: 9-18, 2 pl.—Minnhaar, T. C. Algunas consideraciones sugeridas por la ultima publicación sobre el empleo del uroselectan. Rev. méd. Rosario, 1930, 20: 240-2.—Palma, E. C., & Castro, E. Estudio experimental del perabrodil por vía intra-arterial. Arch. urug. med., 1940, 17: 533-47.—
- Protein compounds.
- BREIHZOLZ, M. *Die Einwirkung von verdautem Jodtropin auf die Morphologie des Bacterium coli [Kiel] 16p. 8°. [Hamburg] 1928.
- HASSINGER, L. *Jodausscheidung nach Eingabe von Jodglidine. 16p. 8°. Giessen, 1927.
- Abelin, I. Nichtschilddrüsenstoffe mit Schilddrüsenwirkung; Gewinnung physiologisch aktiver Jodsubstanzen aus künstlich

Ravasini, G. Ricerche farmacologiche sull'uroselectan; l'azione dell'uroselectan sui vasi. *Biochim. ter. sper.*, 1932, 19: 81-8.—Robinson, C. W. Iodoxylin and perabrodil. *Med. J. Australia*, 1942, 1: 271.—Spaulding, J. D. Misleading evidence by uroselectan method of urinary tract examination. *N. England J. M.*, 1930, 203: 1067-9.—Thoma, E. Ueber einen aussergewöhnlichen Fall von Uroselectan-Exanthem; zugleich ein Beitrag zur Frage der Unglücksfälle bei intravenösen Injektionen. *Med. Welt*, 1933, 7: 1240.—Udaondo, C. B., Novas, M. N., & Maissa, P. A. Arteriografia por el uroselectan en un aneurisma de la poplitea. *Prensa méd. argent.*, 1930-31, 17: 577-83.—Vairo, O. Sobre o valor da pyelographia intravenosa pelo uroselectan. *Brasil med.*, 1931, 45: 1216-9.—Wade, H., & Band, D. Uroselectan; excretion urography. *Tr. Med. Chir. Soc. Edinburgh*, 1929-30, 109: 203-20, 4 pl.—Welfeld, J., & Pardoll, D. H. Uroselectan in intravenous urography. *Illinois M. J.*, 1930, 58: 179-87.—White, H. L. Observations on the behavior of diodrast in the dog. *Am. J. Physiol.*, 1940, 130: 454-63.

— Quinoline and quinone compounds [Yatren, etc.]

HERMANN, O. *Ueber Jodausscheidung nach Einspritzung von Yatren. 10p. 8°. Giessen, 1926.

KÖLLER, G. *Ueber die Ausscheidung von Jod nach Einspritzung von Yatren ins Blut [Giessen] 10p. 8°. Münch., 1927.

Biermann, F. Ueber die Wirkung des Mesenchymatrens E 104 (Yatrenvakzin nach Pfeiler) bei Stollbeulen, Phlegmonen, Hufknorpel- und Wideristfisteln sowie eitrigen Sehnen-scheidenentzündungen. *Berl. tierärztl. Wschr.*, 1926, 42: 541-3.—Braun, A. Experiencias con o yatren en cirurgia. *Rev. med. cir. Brasil*, 1926, 34: 204-10.—David, N. A., Phatak, N., & Zener, F. B. Vioform-N. N. R. and diodoquin; animal toxicity and iodine absorption in man. *J. Pharm. Exp. Ther.*, 1941, 72: 11.—Dietrich, W. Yatren, ein ungiftiges Tiefen-antiseptikum. *Deut. med. Wschr.*, 1920, 46: 1080.—Dyckerhoff, H. Ueber Leberschädigung durch Yatren. *Münch. med. Wschr.*, 1935, 82: 1802.—Goldschmidt, S. Nossas experiencias com o yatren-caseina. *Sciencia med.*, Rio, 1926, 4: 610-9.—Grabbe. Pharmakologische Untersuchungen über Oxychinolin (Chinosol) und Jodoxychinolinsulfosäure (Yatren) *Arch. exp. Path., Lpz.*, 1928, 138: 155.—Gross, H. Uebersicht über Resultate der Yatrenbehandlung in den verschiedenen Anwendungsgebieten. *Tungchi med. Mschr.*, 1927-28, 3: 133-44.—Heckenbach, W. Funktionsuntersuchungen bei der Ausscheidung des Uroselectans. *Klin. Wschr.*, 1930, 9: 684-9.—Irk, V. C., & Sároiu, I. Terapia prin agenti provocatori si yatrenul. *Cluj. med.*, 1927, 8: No. 3-4, 78.—Kernack, W. O. [et al.] Certain quinoline and benzacridine derivatives yielding colored adsorption compounds with iodine. *Proc. R. Soc. Edinburgh*, 1930-31, 51: 243-61.—Kümmel, H. Yatren 105 en la profilaxis y el tratamiento de afecciones gastro-intestinales en los trópicos. *Rev. méd. Hamburgo*, 1928, 9: 188-91.—Lengemann, W. Histohämorenale Verteilungsstudien mit Pelviren und Perabrodil beim normalen und nierenexstirpierten Hund. *Zschr. ges. exp. Med.*, 1933-34, 92: 675-87.—Lindig, P. Die klinische Bewertung einer Jodbenzolsulfosäure [Yatren] vom geburtschilflich-gynäkologischen Standpunkt aus. *Med. Klin.*, Berl., 1921, 17: 379.—McMaster, L., & Wobus, R. S. Preparation of 2-iodophenanthrenequinone. *J. Am. Chem. Soc.*, 1934, 56: 164.—Maxon, H. Zwei Fälle von Leberschädigung nach Yatrenbehandlung. *Zbl. Chir.*, 1933, 60: 879-82.—Nahme, H., & Seelkopf, K. Untersuchungen in der Chinolinreihe; Jodoxychinolinsulfosäure (Yatren) *Arch. exp. Path., Berl.*, 1932, 166: 126-49.—Palm, A. Untersuchungen in der Chinolinreihe; Dijodverbindungen. *Ibid.*, 176-85.—Peter, F. M. Ausgebreitetes urtikarielles Exanthem nach gehäuftem Yatren-105-Gaben. *Derm. Wschr.*, 1927, 84: 615-9.—Ravasini, G. Ricerche farmacologiche sull'uroselectan; comportamento nell'organismo animale. *Arch. ital. urol.*, 1930-31, 7: 514-21. — Ricerche farmacologiche sull'uroselectan; distribuzione nell'organismo animale. *Biochim. ter. sper.*, 1931, 18: 348-57.—Rosset, A. [Effect of uroselectan on human body, blood and kidneys in particular, and its modifications in the organism] *Polska gaz. lek.*, 1930, 9: 771-5.—Sachweh, P. Ueber Yatren. *Deut. tierärztl. Wschr.*, 1926, 34: 60-3.—Savy, P., & Thiers, A. Le yatrene. *J. méd. Lyon*, 1930, 11: 83-6.—Schmidt, H. Ueber Leberschädigung durch Yatren. *Deut. med. Wschr.*, 1936, 62: 2127.—Schneider, P. Ueber Yatren als örtliches Tiefenantiseptikum. *Ibid.*, 1926, 52: 1047. — Sobre o yatren como antiseptico local profundo. *Rev. med. cir. Brasil*, 1926, 34: 490-2.—Skorniakov, A. [Clinical observations of curative action of yatren, pure, or in combinations] *Vest. khir.*, 1927, 11: No. 32, 56-62.—Tourné, W., & Damm, E. Ueber den Verbleib des Uroselectans im menschlichen Körper. *Klin. Wschr.*, 1930, 9: 1581-3. — Ueber den Verbleib des Uroselectans im menschlichen Körper; Verteilungsstudien am Tierkörper mit Uroselectan. *Ibid.*, 1719.—Weicker, B. Untersuchungen in der Chinolinreihe; orale Yatrenwirkung an kranken Tieren. *Arch. exp. Path.*, Berl., 1932, 166: 123-5.—Wimmer, H. El empleo del yatren-caseina y neuro-yatren. *Crón. méd. mex.*, 1927, 26: 270-2.

— radioactive.

Ariel, I., Bale, W. F. [et al.] The distribution of radioactive isotopes of iodine in normal rabbits. *Am. J. Physiol.*, 1941, 132: 346-50.—Leblond, C. P., Gross, J. [et al.] Metabolism of radioactive iodine in the thyroids of rats kept at low temperature. *Fed. Proc.*, Balt., 1943, 2: 28 (Abstr.).—Leblond, C. P., Peacock, W. C. [et al.] Iodine metabolism in the thyroid gland after single injections of 5 or 500 micrograms of radioactive iodine to adult rats. *Ibid.*, 29 (Abstr.)

— Ricinostearol compound.

KROPPGANS, A. *Die Umsetzung kleinerer Dosen von Jodtropen, Dijodyl und Jodkalium im Tierkörper [Giessen] 30p. 8°. Rastatt, 1934.

VERBÜCHELN, B. *Schicksal des Dijodyls im Tierkörper. 19p. 8°. Giessen 1928.

Bunz. Erfahrungen mit Kleindosen von Dijodyl Riedel. *Deut. med. Wschr.*, 1924, 50: 1448.—Kühn. Ueber die Verträglichkeit des Dijodyl Riedel. *Ibid.*, 82.—Neumann. Ueber Dijodyl und die Frage der Ueberdosierung von Jod. *Med. Klin.*, Berl., 1925, 21: 631.

— Solubility.

Braune, H., & Strassmann, F. Ueber die Löslichkeit von Jod in gasförmiger Kohlensäure. *Zschr. phys. Chem.*, Abt. A, 1929, 143: 225-43.—Kraeck, F. C. The solubility of potassium iodide in water to 240°. *J. Phys. Chem.*, 1931, 35: 947-9.—Lanford, O. E., & Kiehl, S. J. The solubility of lead iodide in solutions of potassium iodide-complex lead iodide ions. *J. Am. Chem. Soc.*, 1941, 63: 667-9.—Malm. Quelques considérations sur la solubilité de l'iode dans le chloroforme. *J. pharm. chim.*, Par., 1926, 8. ser., 4: 111-4.—Morel, A., & Roehaia, A. Sur la solubilité de l'iode dans l'alcool éthylique. *Bull. sc. pharm.*, Par., 1928, 35: 625-34.—Negishi, G. R., Donnelly, L. H., & Hildebrand, J. H. The solubility of iodine in certain solvents. *J. Am. Chem. Soc.*, 1933, 55: 4793-800.—Ricci, J. E., & Nesse, G. J. Solubility of potassium iodate and zinc iodate in dioxane-water mixtures; effect of sorting of solvent molecules. *Ibid.*, 1942, 64: 2305-11.

— Solutions [Lugol; Presojod, etc.]

See also subheading Tincture.

KNITTEL, G. *Die Tiefen-Antiseptis in der Zahnmedizin mit spezieller Berücksichtigung des Presojods [Leipzig] 31p. 8°. Strassb., 1926.

Aalsmeer, W. C. Ueber den Einfluss der Lugollösung auf den Adrenalineffekt bei Basedow und Beriberi. *Klin. Wschr.*, 1932, 11: 2111-3.—Bateson, F. R. C. Solution of arsenious and mercuric iodides. *Q. J. Pharm.*, Lond., 1933, 6: 517-21.—Boltanski, E. Les solutions de Lugol. *Presse méd.*, 1935, 43: 292.—Bussinello, G. I vapori della soluzione iodo iodurata nel campo profilattico e terapeutico. *Morgagni*, 1927, 69: 16-9.—Cowan, A., & Jordan, J. S. Pregl's solution in the treatment of ocular conditions. *Pennsylvania M. J.*, 1934-35, 38: 704-6.—Fleury, P., & Courtois, J. Sur un dosage direct des iodures par argentimétrie; application au dosage de l'iode de potassium dans la teinture d'iode iodurée. *J. pharm. chir.*, Par., 1931, 8. ser., 13: 478-84.—Friedgood, H. B. The effect of Lugol's solution on chronic lymphatic leukemia and its bearing upon the pathogenesis of exophthalmic goiter. *Am. J. M. Sc.*, 1932, 183: 515-29.—Gutzmann. Ueber Trocken-Presojod, die verbesserte Form der Pregl'schen Jodlösung. *Med. Klin.*, Berl., 1926, 22: 1044.—Harker, G. The action of X and gamma radiation upon aqueous solutions of iodine and potassium iodide. *Med. J. Australia*, 1930, 2: 817-20.—Hök, W. [Studies on liquid iodine preparations] *Sven. farm. tskr.*, 1934, 37: 269; passim.—Jugel, H. Zur Technik und Indikation des Septojod (Pregl) *Deut. Mschr. Zahnk.*, 1926, 44: 451-3.—Karns, G. M. The behavior of iodine solutions at liquid-solid interfaces; the wetting power of iodine from various antiseptic solutions. *J. Am. Pharm. Ass.*, 1932, 21: 779. — Cretcher, L. H., & Beal, G. D. The behavior of iodine solutions at liquid-solid interfaces; the importance thereof in the preparation of new iodine antiseptics. *Ibid.*, 783.—LaMer, V. K., & Lewinsohn, M. H. Halide-iodine equilibria in neutral salt solvents. *J. Phys. Chem.*, Ithaca, 1934, 38: 171-95.—Lee, M., & Hoxworth, P. I. Isotonic aqueous iodine solution as a skin antiseptic; a clinical appraisal. *Surgery*, 1939, 6: 762-9.—Lesure, A. Les solutions du Lugol. *Paris méd.*, 1934, 93: 454-6.—Lichtenstern, G. Das von dem Nobelpreisträger Prof. Pregl hergestellte Jodosept in der Tierheilkunde (Euterentzündung, Bangschler Abortus, Sterilität der Pferde und Rinder, eingeschlossener die Trichomonadeninfektion, Geburtsrehe) *Münch. tierärztl. Wschr.*, 1935, 86: 157; 171.—Morton, C., & Bateson, F. R. C. The assay of solutions of iodine. *Q. J. Pharm.*, Lond., 1937, 10: 498-502.—Mühsam, E. Die Pregl'sche Lösung. *Ther. Gegenwart*, 1927, 68: 415-9.—Normalisation (La) du Lugol. *Clinique*, Par., 1934, 29: 230.—Noyes, A. A., & Seidensticker, J. Die Löslichkeit von Jod in verdünnten Kaliumjodlösungen. *Zschr. phys. Chem.*, 1898, 27: 357-60.—Popescu-Herasescu, C. A. [Biotropic effect of chloroform-iodate

solution (Marian). Romania med., 1937, 15: 48.—**Reindollar, W. F.** A simplified assay for the official iodine-iodide solutions. J. Am. Pharm. Ass., 1935, 24: 756-8.—**Rice, R. V., & Beal, G. D.** Aqueous iodine solution. U. S. Patent Off., 1940, No. 2,211,837.—**Sánchez Moya, R.** Acerca del valor antiséptico de la solución yódica de Pregl. Arch. med., Madr., 1927, 26: 298.—**Schmidt, W.** Erfahrungen mit Presojod und Septojod. Prakt. Arzt, 1926, n. F., 11: 444-6.—**Schulz.** Ueber Trocken-Presojod (eine neue Form der Preglschen Jodlösung). Deut. med. Wschr., 1926, 52: 453.—**Scott, A. H.** Standard iodine solutions. J. Biol. Chem., 1936, 113: 511-3.—**Winther, C.** Die Oxydation des Jodwasserstoffs im Dunkeln und im Lichte; die Konstitution der Jodlösungen. Zschr. phys. Chem., Abt. B, 1929, 3: 299-314.

Sublimation, and vapors.

CAPELL, W. L. The fumes of iodine [11]p. 8° [n. p., 1919]

Demougín, P. L'absorption de la vapeur d'iode par le charbon actif et le gel de silice. C. rend. Acad. sc., 1935, 200: 662-5.—**Emeleus, K. G., Cathcart, E. B., & Minnis, C. M.** Some electrical and optical properties of iodine vapour. Proc. R. Irish Acad., 1937, 44: Sec. A, No. 2, 11-7.—**Halász, A.** [Pöckel apparatus for inhalation of iodine vapors]. Budapesti orv. ujs., 1937, 35: 125-7.—**Lipkin, A. I.** Sulle proprietà battericide dei vapori di iodio e sul loro valore curativo. Gior. batt. immun., 1934, 12: 668-73.—**Mrozowski, S.** Ueber die Depolarisation der Fluoreszenz des Joddampfes durch Stöße von Heliumatomen. Bull. internat. Acad. polon. sc., 1933, ser. A, 3: 346-58.—**Ueber den Einfluss der Zusatzgase und des Magnetfeldes auf den Polarisationsgrad der Fluoreszenz des Joddampfes.** Ibid., 1937, ser. A, 295-311.

Syrups.

Bartole, A. La prova alla diluizione nello sciroppo jodotannico. Boll. chim. farm., 1935, 74: 545-55.—**Burrin, P. L., Worton, A. G., & Bibbins, F. E.** Stabilized syrup of ferrous iodide. J. Am. Pharm. Ass., 1936, 25: 1102-4.—**Gambetta, E.** Contributo allo studio dell'acido iodo-tannico in rapporto alla preparazione dello sciroppo. Boll. chim. farm., 1926, 65: 33-6.—**Zanotti, V.** Siropo protojoduro ferro (soluzione concentrata) Ibid., 1936, 75: 5.

Therapeutic use.

See also under names of various diseases as **Common cold, Prevention, etc.**

A. G. Sulla cura iodica (contrasti e consensi) Terapia, Milano, 1926, 16: 29-32.—**Barkan, G.** Jodtherapie. Münch. med. Wschr., 1932, 79: 621-4.—**Bonnin, L.** Beitrag zur internen Jodtherapie. Med. Welt, 1927, 1: 1743.—**Bulman, F.** La medicación yódica. Gac. méd. México, 1934, 65: 254-66.—**Geiger, J. C.** Discussion. Am. J. Pub. Health, 1931, 21: 722-4.—**Goadby, H. K.** Modern therapeutics; iodine and iodides. Practitioner, Lond., 1939, 143: 650-5.—**Liebig, H.** Die Grundlagen der Jodbehandlung in der inneren Medizin. Med. Klin., Berl., 1933, 29: 1334.—**Marosi, I.** [Parenteral iodine therapy]. Budapesti orv. ujs., 1940, 38: 97-101.—**Moderna medicación iodotada.** Med. cir. pharm., Rio, 1941, 22-4.—**Müller-Stade, E.** Intraorale Jodmedikation. Zschr. ärztl. Fortbild., 1937, 34: 688.—**Novack, H. J.** Iodotherapy. Med. J. & Rec., 1929, 130: 39.—**Oswald, A.** Grundlagen der Jodtherapie. Fortsch. Ther., 1932, 8: 291-6.—**Podolsky, E.** The therapeutics of iodine. Hahncman, Month., 1939, 74: 670-7.—**Schwellenbach, P.** Beitrag zur Jodtherapie. Med. Welt, 1928, 2: 1502.—**Stevens, W. M.** Some aspects of iodine therapy. Lancet, Lond., 1930, 1: 1235.—**Iodine therapy.** Clin. J., Lond., 1932, 61: 493.

Therapeutic use: Disinfection.

See also subheading Pharmacology: Bactericide and fungicide properties; also Tincture.

SCHWESINGER, E. *Die Desinfektion des Operationsfeldes unter Berücksichtigung der Mersch'schen Jodstäbchen [Heidelberg] 19p. 8°. Hildburghausen, 1931.

Delangre. Antisepsie iodée et bicarbonatée. P. verb. Ass. fr. chir., 1910, 23: 706-11.—**Garton, W. M.** Iodine sterilization as now used at the United States Naval Hospital, Norfolk, Va. U. S. Nav. M. Bull., 1913, 7: 234-6.—**Gremone, G.** Le disinfezioni allo jodo. Gazz. osp., 1915, 36: 84.—**Holt, C. H.** Sterilization of skin in emergency work, with special reference to benzene-iodine and iodine methods. J. Arkansas M. Soc., 1912-13, 9: 211-3.—**Link, G.** Iodine skin and wound sterilization. Indianapolis M. J., 1912, 15: 6.—**Millet, L.** Iode dans l'armée. Gaz. méd. Paris, 1915, 86: 69.—**Ofrias, R. F.** Iodized hydrate antiseptic a half century ago. Med. Rec., N. Y., 1917, 92: 1075.—**Oidtman, V. A.** Vereenvoudigde desinfectie van het operatie-terrein. Ned. tscr. genesk., 1916, 2: 1363.—**Peck, J. W.** Iodine in skin aseptis. Pharm. J., Lond., 1912, 4, ser., 34: 450.—**Pilcher, J. T.** Dry iodine preparation of the skin for operations. Yearb. Pilcher Hosp., Brookl., 1911, 1: 149.—**Robb, H.** Iodine in sterilization of the skin. Tr. Am. Gyn. Soc., 1913, 38: 353-61.—**Thomas, J. L.** The cult of iodine

and the dread of skin. Brit. M. J., 1913, 1: 12.—**Zilwa, L. de.** The iodine method of skin disinfection. J. Ceylon Br. M. Ass., 1911, 8: 13-5.

Therapeutic use: Indication.

See also such headings as **Arteriosclerosis; Common cold; Dermatophytosis; Mycosis; Sciatia; Syphilis, etc.**

BRINKMANN, E. *Jod in der Zahnheilkunde, unter besonderer Berücksichtigung von Jodtinktur, Dijozol, Jodoform, sowie über röntgenologische Prüfungen jodhaltiger Wurzelfüllungen. 28p. 8°. Lpz., 1932.

FIEDLER, H. [F. K.] *Klinische Beiträge zur Jodtherapie in der operativen Zahnheilkunde [Leipzig] 25p. 8°. Crimmitschau, 1934.

ROJAS CASTILLO, Y. *Aplicaciones del iodo en la medicina. 35p. 8°. Santiago, 1930.

Alvarez, J. Coincidencia de la desaparición del sarro de la boca con el uso interno del yoduro de sodio. Actas Congr. dent. españ. (1905) 1906, 3. Congr., 165-7.—**Baldwin, H. A.** Iodine in surgery. Interstate M. J., 1912, 19: 119-23.—**Barduzzi, D.** Di un altro abuso dell'ioduro potassico nella pratica medica. Gior. med. prat., 1924, 6: 261.—**Berberich, J.** Jodbehandlung in der Oto-, Rhino-, Laryngologie (Jodostront) Münch. med. Wschr., 1936, 83: 1678-80.—**Bonne.** Klinischer Beitrag über das Jod in der Therapie. Med. Welt, 1932, 6: 1203.—**Bouchereau, P.** Sur l'action des dérivés iodés hydro-solubles utilisés dans les maladies rhumatismales et cardio-vasculaires. Rev. rhumat., Par., 1940, 7: 489-95.—**Bram, I.** Iodine versus goiter; facts and fallacies. Med. Times, N. Y., 1929, 57: 340-2.—**Brennecke, H. A.** The use of iodine in surgery. Railw. Surg. J., 1911-12, 18: 353-5.—**D'Ettore, T.** Ancora del iodo nella scarlattina ed in altre malattie. Med. prat., Nap., 1928, 13: 99-104.—**Di Lauro, E.** Applicazioni dello iodo in otorinolaringoiatria. Minerva med., Tor., 1941, 32: pt 1, 375 (Abstr.).—**Dixon, C. A.** Iodine. J. Am. Inst. Homeop., 1940, 33: 185.—**Duarte, B.** Do emprego do iodo em diversos estados morbosos. Arch. brasil. med., 1926, 16: 352-64.—**Friedländer, R.** Jodogel in der allgemeinen und sportärztlichen Praxis. Prakt. Arzt, 1926, n. F., 11: 150-3.—**Healy, F.** The use of iodine in podiatry. Pharm. Advance, 1936, 11: No. 131, 17-9.—**Hollowbush, J. R.** Iodine in surgery. Railw. Surg. J., 1912-13, 19: 481-5.—**Janovics, A.** [Recent views of iodine therapy] (Gyógyászat, 1933, 73: 695-7.—**Johnson, M. C.** Some experiences with the newer drugs. Laryngoscope, 1933, 43: 414-6.—**Magendie.** Chronic ulcerations of the tongue and pharynx cured by the hydrate of potash. Month. J. Foreign Med., 1828, 2: 64-6.—**Marcelli, G.** La terapia iodica nel linfatismo. Pediatria (Riv.) 1934, 42: 284-89.—**Mas de Xaxás, J.** El yodo en obstetricia. Bol. mens. Col. méd. Gerona, 1910, 15: 81-3.—**Nisticò, G.** Lo jodio a piccole dosi ai bambini delle Colonie montane. Rinasce. med., 1939, 16: 726.—**Podolsky, E.** Iodine therapy in diseases of the eye, ear, nose and throat. Eye Ear & C. Month., 1938-39, 17: 414.—**Prunés, L., & Ramírez, C.** Tratamiento masivo con solución de yoduro de sodio al 5% de la sífilis tardía y algunas dermatosis. Rev. argent. derm. síf., 1942, 26: 865-74.—**Rosenberg, J.** Iodine injection therapy in oto-rhinology; a new method of treating nasal and auril catarrhal conditions. Laryngoscope, 1932, 42: 883-6.—**Ross, J. G.** Mono-iodo-cinchophen in arthritic conditions; further investigations and analysis of cases. Med. J. & Rec., 1929, 130: 629.—**Saleeby, C. W.** Iodine and health. Hosp. Social Serv., 1927, 15: 234-40.—**Seel, H.** Die therapeutische Bedeutung des Jods. Erg. ges. Med., 1936, 21: 401-23.—**Schoemaker, H. A., & Underhill, F. P.** Can iodides replace chlorides in chloride deficiency? J. Pharm. Exp. Ther., 1932, 44: 43-6.—**Siffre.** L'iode en thérapeutique dentaire. Progr. méd., Par., 1912, 3, ser., 28: 356.—**Silberstein, M.** Use of sodium iodide injections as an analgesic in painful conditions including sciatica, migraine, arthritis, and epididymitis, with a report of six cases. Med. Rec., N. Y., 1938, 148: 29-32.—**Simforov, E. F.** [Ten years of investigation on the therapeutic effect of injections of solutions of iodide salts in visceralgia] Sovet. vrach. J., 1937, 41: 1107-11.—**Slauk, A.** Vom Jod im Verwendungsbereich der inneren Medizin. Beih. Med. Klin., 1926, 22: 11, 3, 47-74.—**Sterzi, I.** Lo iodo nella pratica chirurgica. Ann. med. nav., Roma, 1916, 1: 377-88.—**Zweig, I.** Infections and lesions in minor surgery; an advancement in iodine therapy. Indust. M., 1941, 10: 553-6.

Therapeutic use, intravascular.

Buscaino, V. M. Iodoterapia endovenosa e sottoaracnoidea in varie malattie, prevalentemente infiammatorie, neurassiche e perineurassiche. Rass. internaz. clin. ter., 1939, 20: 763-72.—**Egas Monis.** Acção terapêutica das injeções intracarotídeas de iodeto de sódio. Lisboa méd., 1929, 6: 141-8.—**Finazzi, G.** La terapia iodica endovenosa nelle dermatosi. Cult. med. mod., Pal., 1927, 6: 106-12.—**Hughes, B., & Binz, A.** An important chemo-therapeutic possibility; the liberation of nascent iodine by roentgen-irradiation after the intravenous administration of an iodine compound. J. Michigan M. Soc., 1933, 32: 113.—

Johannessohn. Intravenöse Jodbehandlung. *Zschr. ärztl. Fortbild.*, 1930, 27: 801.—**Jorgenson, G. E.** The effect of free iodine administered intravenously (some laboratory studies) *Clin. M. S.*, 1930, 37: 193-6.—**Kewalram.** Intravenous iodine. *Ind. M. Rec.*, 1930, 50: 141.—**Kraus, H.** Die Wirkung verschiedener Jodpräparate auf die peripheren Gefässe nach intraarterieller Injektion. *Arch. exp. Path., Berl.*, 1935, 179: 537-44.—**Krishnamurty, C.** An analysis of 108 intravenous iodine injections. *Ind. M. Gaz.*, 1927, 62: 129.—**Metzger, E.** The use of intravenous sodium iodide in ophthalmology. *Am. J. Ophth.*, 1942, 25: 1112.—**Moniz, E.** L'action spasmodique de l'iode libre dans l'arbre artériel de la carotide interne. *Rev. otoneur., Par.*, 1928, 6: 655-8, pl.—**Shelmire, B.** Intravenous iodine therapy; a preliminary report. *Texas J. M.*, 1926-27, 22: 644-9.—**Wiltse, J. W.** The use of sodium iodide intravenously in infections and allergies. *Med. J. & Rec.*, 1926, 123: 235; 296.

— Therapeutic use: Untoward effect.

See also subheading Poisoning.

KÖBKE, S. G. *Jodschäden in der Zahnheilkunde mit einer eigenen Beobachtung. 15p. 22½cm. Rostock, 1935.

Bamberger, J. Ueber Jodtherapie und Jodschädigung. *Med. Klin., Berl.*, 1926, 22: 1569-71.—**Codet-Boisse.** Accidents sérieux consécutifs à l'emploi de la teinture d'iode en badigeonnage pré-opératoire chez des enfants. *Gaz. méd. Bordeaux*, 1912, 33: 235 [Discussion] 245-8.—**Frighesi, J.** [Rôle of iodine injections in sterility and extra-uterine pregnancy] *Orv. hetil.*, 1930, 74: 1001-3.—Ueber die schädlichen Folgen der Jodinjektionen. *Zbl. Gyn.*, 1930, 54: 2642-6.—**Jackson, A.** Iodine hyperthyroidism. *J. Iowa M. Soc.*, 1927, 17: 94-7.—**Legrand, C.** Troubles graves chez un opéré paraissant relever de l'antiseptique par la teinture d'iode. *Bull. Soc. méd. mil. fr.*, 1911, 5: 307-9.—**Raab, W.** Hyperthyreosen infolge zahnärztlicher Jodanwendung. *Zschr. Stomat., Wien*, 1931, 29: 637-43.—**Schön, W.** Schädigung durch Jod-Kalzium-Diuretika? *Mscrh. Ohrenh.*, 1939, 73: 162.—**Seel, H.** Jodwirkungen, Jodschäden und Jodfurcht. *Fortsch. Ther.*, 1938, 14: 225; 297.—**Sutton, R. L., Jr.** Treatment of iodine burns with sodium thiosulfate solution. *Arch. Derm. Syph., Chic.*, 1936, 33: 1062.

— Therapeutic use, veterinary.

STEFFEN, M. R. A treatise on regional iodine therapy for the veterinary clinician. 63p. 18° N. Y., 1919.

Boiteux, J. Nouvelles indications de l'emploi chirurgical de l'iode. *J. méd. vét., Lyon*, 1859, 15: 153-61.—**McCulloch, E. C.** The value of iodine in practice. *J. Am. Vet. M. Ass.*, 1932, 80: 686-96.—**Maurer, J.** Nonspecific cellular therapy. *Vet. Med., Chic.*, 1933, 28: 144-50.—**Pellkofer, J.** Ein Streifzug durch verschiedene Indikationsgebiete der Jodeverbindungen. *Münch. tierärztl. Wschr.*, 1929, 80: 405; 423.—**Rey.** Injections iodées; faits recueillis à la clinique de l'Ecole de Lyon en 1857. *J. méd. vét., Lyon*, 1857, 13: 481; 545.

— Tincture.

See also subheading Solutions.

EHRLICH, J. *Vergleichsprüfung der Dauer der Hautdesinfektion mit Alkohol und Jodtinktur. 45p. 8° Berl., 1912.

FOURNIER, H. C. *La désinfection du champ opératoire et des mains du chirurgien par la teinture d'iode sans lavage préalable. 220p. 8° Par., 1912.

GALLUCHON, J. G. *De l'emploi de la teinture d'iode en chirurgie. 70p. 8° Par., 1910.

KLÉPATSKY, O. *De la désinfection par la teinture d'iode en chirurgie. 35p. 8° Genève, 1911.

KÖNIG, F. *Contribution à l'étude des troubles provoqués par la teinture d'iode [Genève] 27p. 8° Lyss, 1927.

REICH-BRUTZKUS, B. *Ueber eine modifizierte Grossich'sche Jodtinkturdesinfektion bei Operationen [Bern] 20p. 8° Zür., 1913.
Also *Wien klin. Rdsch.*, 1913, 27: 241.

Abetti, M. Sulla disinfezione della cute colla tintura di iodio. *Clin. chir., Milano*, 1912, 20: 2361-2374.—**Andrés Bueno, V. de.** La esterilización de la región operatoria por la tintura de yodo. *Gac. méd. Sur España*, 1912, 30: 82-4.—**Andruszewski, M.** Jodtinktur als albewährtes Antihidrotikum. *Deut. med. Wschr.*, 1926, 52: 795.—**Anikieiev, A. V.** [Disinfection of skin of operating field and hands with alcohol and iodine] *J. akush.*, 1913, 28: 963-78.—**Arrêté** fixant la quantité maximum de teinture d'iode pouvant être délivrée

au public. *Bull. sc. pharm., Par.*, 1940, 47: prof., 125.—**Baumann, E.** Zur Frage der Alkoholdenaturierung und Jodtinktur. *Schweiz. med. Wschr.*, 1927, 57: 551-3.—**Biscons.** Désinfection de la peau et des mains par la solution alcoolique d'iode diluée. *Bull. Soc. méd. mil. fr.*, 1912, 6: 89.—**Bone, J. A., & Elam, J. W.** Action of tincture of iodine when injected into the pericardial sac. *Proc. Soc. Exp. Biol.*, N. Y., 1939, 42: 563.—**Bovee, J. W.** Complete sterilisation of the skin by iodine. *Tr. Am. Gyn. Soc.*, 1914, 39: 379-84. Also *Boston M. & S. J.*, 1914, 171: 567.—**Bruchhausen, F., von, & Stempel, B.** Ueber die Bestimmung von Jod und Jodkali in der Jodtinktur. *Apothekerztg.*, 1927, 42: 282-4.—**Brüning, F.** Hautdesinfektion durch Jodtinktur und ihre Verwendung im Kriege. *Deut. mil. ärztl. Zschr.*, 1911, 40: 905-19.—Zur Jodtinkturdesinfektion, zugleich ein Beitrag von metastatischer Entzündung nach subkutaner Verletzung. *Zbl. Chir.*, 1912, 39: 643.—**Candea, A.** Ein Beitrag zur Jodtinkturdesinfektion. *Wien. med. Wschr.*, 1913, 73: 2266.—**Champeaux.** Emploi de la teinture d'iode en chirurgie. *Bull. Soc. méd. mil. fr.*, 1913, 7: 647-9.—**Cousine, J.** Appareil pour la préparation de la teinture d'iode. *Ann. pharm., Louvain*, 1895, 1: 165.—**Curri, D.** Zweiundzwanzigjährige Erfahrungen mit der Grossich'schen Methode der Joddesinfektion. *Beitr. klin. Chir.*, 1930, 149: 626-30.—**Dobref, M.** Antonio Grossich, der Erfinder der Jodtinkturmethode. *Deut. med. Wschr.*, 1936, 62: 2133.—**Ducasse.** De la teinture d'iode comme antiseptique et hyperémiant local dans le traitement des plaies et stérilisation cutanée. *Bull. Soc. Centr. méd. vét., Par.*, 1911, 65: 500-7.—**Federmann, A.** Ueber die Desinfektion der Haut mit Jodtinktur. *Verh. Berl. med. Ges.* (1910) 1911, 41: 2. Teil, 7-10.—**First aid dressing.** *J. M. Soc. N. Jersey*, 1942, 39: 418.—**Fritzler, K.** Veränderungen der Haut durch Jodtinktur; pathologisch-anatomische Untersuchungen am Meerschweinchen. *Arch. exp. Path., Lpz.*, 1926, 114: 6-13.—**Gautier, A.** La teinture d'iode dans les approvisionnements de réserve; procédé de préparation extemporanée. *Arch. méd. pharm. mil.*, 1912, 60: 548-51.—**Goadby, H. K.** Tincture of iodine. *Practitioner, Lond.*, 1942, 149: 251.—**Griffith, I.** The new mild tincture of iodine. *Am. J. Pharm.*, 1935, 107: 393-6.—**Guilera.** De la simplificación en la técnica de la desinfección de la piel. *Rev. med. cir. Barcelona*, 1912, 26: 225-39.—**Hager** [Tinctura jodi decolorata (decolor)] *Ny pharm. tid., Kbh.*, 1871, 3: 371.—Tintura di iodo incolora. *Gior. farm. chim., Tor.*, 1873, 22: 488.—**Heinemann.** Zur Frage der Grossich'schen Jodtinkturdesinfektion. *Zbl. Chir.*, 1913, 40: 1773.—**Herzog, J., & Schulze, K.** Zur Bestimmung des Gehaltes an freiem Jod und Kaliumjodid in der Tincture Jodi des D. A. B. *Apothekerztg.*, 1927, 42: 804.—**Höll, K.** Ueber die Sepsis-Tinktur. *Münch. med. Wschr.*, 1941, 88: 710.—**Jakimiak, B.** [Disinfection of the skin by Grossich's method] *Med. kron. lek., Warsz.*, 1912, 47: 7-9.—**Jentzer, A.** Troubles cliniques provoqués par l'alcool iodé. *Schweiz. med. Wschr.*, 1927, 57: 547.—**Jüngling, O.** Bedingt die Methode der Hautdesinfektion mit Jodtinktur eine Gefahr der Jodintoxikation für den operierenden Arzt. *Münch. med. Wschr.*, 1913, 60: 1766.—**Klein.** A propos de la stérilisation du champ opératoire par la teinture d'iode. *Bull. Soc. méd. Yonne* (1911) 1912, 52: 48-55.—**Kozulcharov, L., & Petrov, A.** [Disinfection of the operating field with iodine-benzine and tincture of iodine] *Sprski arh. celok. lek.*, 1911, 17: 551.—**Langen, H.** Eine praktische Jodtinkflasche. *Med. Welt*, 1936, 10: 1591.—**McDonnell, J. F., Jr., & Fairlamb, P. M.** The deterioration of tincture of iodine due to rubber stoppers. *Am. J. Pharm.*, 1940, 112: 323.—**Machač, J.** [On the therapeutic value of tincture of iodine] *Cas. lek. česk.*, 1941, 80: 764.—**Malafosse.** Désinfection des mains et du champ opératoire par la teinture d'iode et l'alcool. *Bull. Soc. méd. mil. fr.*, 1912, 6: 168-71.—**Marquis, E.** Teinture d'iode ou alcool sur le champ opératoire. *Presse méd.*, 1934, 42: 1431.—Teinture d'iode ou alcool dans la désinfection du champ opératoire? *Bull. Acad. méd., Par.*, 1939, 3. ser., 122: 305-10.—**Mataniuk, J.** Zur Jodtinkturdesinfektion des Operationsfeldes. *Militärarzt.* *Wien*, 1912, 46: 177.—**Merkens, W.** Kritische Bemerkungen über den Wert der Grossich'schen Methode und eine Beitrag zur Vereinfachung unserer Desinfektionsmethoden. *Deut. med. Wschr.*, 1913, 39: 1249-51.—**Mild tincture of iodine for wounds. *J. Am. M. Ass.*, 1942, 119: 954.—**Miranda, R.** Desinfección del campo operatorio por la tintura de yodo en las intervenciones quirúrgicas. *Bol. cienc. méd., Méx.*, 1911-12, 11: 483-9.—**Mitchell, H. C.** Antiseptics in surgery, with especial reference to the tincture of iodine in crushing injuries. *Gen. Pract.*, S. Louis, 1912, 25: 247-50.—**Monod, R.** Désinfection de la peau à la teinture d'iode chez les enfants; son innocuité. *Arch. méd. enf.*, 1913, 16: 359-62.—**Néhis, H.** La teinture d'iode. *Ann. pharm., Louvain*, 1897, 3: 209-16.—**Nobécourt, P.** Quelques remarques sur l'usage interne de la teinture d'iode chez les enfants. *Rev. internat. méd. chir.*, Par., 1922, 33: 143.—**Odermatt, W.** Zur Jod-Alkoholfärgung. *Schweiz. med. Wschr.*, 1927, 57: 549-51.—**Odras, L. R.** Algo más sobre la aplicación de la tintura de yodo, y unas anotaciones de geografía farmacéutica. *Mem. Congr. venezol. med.* (1926) 1927, 3: 5. Congr., 223-7.—**Osswald, F.** Untersuchungen über die Desinfektionswirkung der Jodtinktur bei der Vorbereitung des Operationsfeldes. *Zbl. Chir.*, 1938, 65: 17-21.—**Pavlovski, Y. A.** [Results of asepsis of the hands and operating field by the Grossich-Brunn method] *Russ. vrach.*, 1912, 11: 998.—**Pellerin, G.** Comprimés d'iode pour la préparation extemporanée de la teinture d'iode chirurgicale. *Caducée*, 1913, 13: 108.—**Pels Leusden, F.** Ist Jodtinktur als Hautdesinfiziens entbehrlich? *Münch.***

med. Wschr., 1940, 87: 1117.—**Pichevin, R.** La désinfection de la peau par la teinture d'iode, Progr. méd. belge, 1909, 11: 189-91.—**Pickenbach.** Die Hautdesinfektion mit Jodtinktur. Med. Klin., Berl., 1912, 8: 487.—**Pikas, J.** [Effect of concentration of tincture of iodine on its bactericidal action] Mediema, Kaunas, 1941, 22: 254.—**Ponizowski, N. P.** [Disinfection of the skin with tincture of iodine in operations on the eyelids, lacrimal organs, and eyeball] Sibirsk. vrach. gaz., 1912, 5: 573-6.—**Richardson, F. S.** Pre-operative skin sterilization: the use of a saturated sodium thiosulphate solution in 70 per cent alcohol to prevent iodine burns. Minnesota M., 1934, 17: 177-9.—**Röna, D.** [On tincture of iodine disinfection] Orv. hetil., 1910, 54: 859.—**Rosenblatt, J.** Eine Vereinfachung der Grossischen Methode der Hautjodierung, Zbl. Gyn., 1928, 52: 2848.—**S.** Jodtinktur oder Besseres? Fortsch. Med., 1935, 53: 235-8.—**Sabouraud, A.** A tinctura de iodo em dermatologia. Porto med., 1906, 3: 255-7.—**Sabouraud, R.** L'alcool iodé au 1/100. Bull. Soc. fr. derm. syph., 1935, 42: 867.—**Scheel.** Meine Jodtinkturflasche zur Grossischen Desinfektionsmethode. Deut. mil. ärztl. Zschr., 1912, 41: 668-71.—**Schmid, H. H.** Ueber Jodtinkturdesinfektion in der Geburtshilfe. Zbl. Gyn., 1911, 35: 889-91.—**Schulek, E.** Beiträge zur Bestimmung des Gesamtjodgehaltes der Jodtinktur. Orsz. Közégész., Int. közl., 1930, 3: No. 31, 1-6.—**Schumacher, J.** Zur Desinfektion des Operationsfeldes mit Jodtinktur oder anderen Arzneimitteln. Deut. med. Wschr., 1915, 41: 220.—**Svekert Artamli** [Investigations for the preparation of tincture containing a minimal dose of iodine] Askeri sikhhiye mecmuasi, 1940, 69: 144-8.—**Sheffield, H. B.** Tincture of iodine in routine pediatric practice. Med. J. & Rec., 1925, 122: 755.—**Sodano, A.** Azione della tinctura di iodo sulla sfera genitale femminile. Arch. ostet. gin., 1934, 2, ser., 21: 635-52.—**Sorel, R.** Toujours contre la teinture d'iode. P. verb. Congr. fr. chir., 1932, 41: 326-8.—**Sur la teinture d'iode et l'asepsie.** C. rend. Acad. sc., 1933, 196: 729.—**Ten Horn, C.** Over desinfectie met tinctura Iodine. Ned. mschr. kindergeneesk., 1913, 2: 429-40.—**Thiebaut.** Sur l'action antiseptique et l'altération des teintures d'iode. Bull. Soc. m'd. mil. fr., 1912, 6: 289-91.—**Tincture of iodine; deficiency of free iodine.** Brit. Food J., 1942, 44: 69.—**Veraart, B. A. G., & Drenth, J. B.** [Bacterial infection of accidental wounds before and after antiseptic treatment with tincture of iodine] Ned. tschr. geneesk., 1929, 73: pt 1, 2033-56, pl. [Antiseptic strength of 5% tincture of iodine (in vitro); comparison to other antiseptics] Ibid., 1932, 76: pt 3, 4096, pl.—**Vignoli, L.** Au sujet de la teinture d'iode. Bull. sc. pharm., Par., 1935, 42: 596-8.—**Wachsmuth, G.** Vergleichende Untersuchungen über Jodtinktur und Metajodin. Poitr. klin. Chir., 1936, 164: 287-91.—**Walmsley, J. R.** French tincture of iodine (Liquor Iodi simplex) Q. J. Pharm., Lond., 1931, 4: 309-13.—**Walther.** Désinfection de la peau par la teinture d'iode. P. verb. Ass. fr. chir., 1910, 23: 712-42.—**Wessel, C.** Jodtinktur desinfection. Nord. tskr. ter., Kbh., 1911-12, 10: 121-32.—**Jodtinktur desinfection.** Hospitaltidende, 1912, 5, R., 5: 1464, 1495.—**Wilder, W. H.** The iodine technique in surgery. Tr. M. Ass. Alabama, 1914, 441-4.—**Woodbury, F. T.** Tincture of iodine the best surgical disinfectant. N. York M. J., 1912, 96: 101; 178.

Tincture: Substitutes.

JAIN, A. *Die Verwendbarkeit des Jodostick zur Desinfektion der Haut. 31p. 8°. Bresl., 1930.

WIESMAIER, R. T. *Ueber ein neues als Jodtinctur-Ersatz gedachtes Desinfektionsmittel Metajodin und seine Verwendbarkeit in der Dermatologie. 38p. 8°. Münch., 1936.

Eilers, O. Dijozol an Stelle von Jodtinktur als Hautreinigungsmittel im chirurgisch-poliklinischen Betriebe. Münch. med. Wschr., 1929, 76: 996.—**Ersatz für Jodtinktur.** Bull. Eidg. Gesundhant., 1942, 270.—**Golmsten, V.** [Application of jothion for skin disinfection] Prakt. vrach, 1914, 13: 61.—**Küster, E., & Münch, J.** Jodomuc-jodfrei, ein brauchbares Ersatzpräparat für Jodtinktur. Med. Welt, 1940, 14: 59.—**Macdonald, R. A., & Peck, J. W.** Skin antiseptics with iodine and some new solvents. Lancet, Lond., 1928, 2: 443.—**Pels Leusden, F.** Ist Jodtinktur als Hautdesinfiziens entbehrlich? Deut. zahnärztl. Wschr., 1940, 43: 689.—**Ries, R.** Jodtinktur entbehrlich; unsere Erfahrungen mit Kodantinktur. Münch. med. Wschr., 1941, 88: 737.—**Schwarz, F. K. T.** Die Verwendung von Mercks Jodstäben an Stelle von Jodtinktur als lokales Desinfektionsmittel. Ibid., 1929, 76: 1968.—**Städter, H.** Dibromol; ein vollwertiges Ausgleichsmittel für Jodtinktur. Ibid., 1940, 87: 1054.—**Uter, W.** Zur Frage der Hautdesinfektion (gefärbte Providofom statt Jodtinktur) Deut. med. Wschr., 1935, 61: 967.—**Vierthaler, R. W.** Vergleichende Untersuchungen über einige Austauschstoffe für Jodtinktur. Deut. zahnärztl. Wschr., 1940, 43: 698-700. Also Münch. med. Wschr., 1940, 87: 1114-7.—**Wachsmuth, G.** Ueber die neue Sepsotinktur. Arch. klin. Chir., 1939-40, 197: 852-6.—**Weidner, H.** Sepsot-Tinktur als Austauschpräparat für Jodtinktur. Med. Welt, 1940, 14: 194.—**Wüstenberg, J.** Comparative studies of substitutes for tincture of iodine, with a review of previous clinical and experimental results. Bull. War M. Lond., 1941-42, 2: 449 (Abstr.)—**Wurm, K.** Vergleichende Prüfung der Desinfektionswirkung

von Sepsotinktur und Jodtinktur. Zschr. Immunforsch., 1939, 96: 193-216.

IODINE number.

See under Fat; Iodometry; Oil.

IODIPIN.

See Iodine, Oil, iodized.

IODODERMA.

See Iodine, Poisoning; Allergy.

IODOFORM [CHI₃]

FONSECA E CASTRO, B. J. DA. *Estudo sobre o iodoformio. 45p. 8°. Porto, 1879.

SEELIG, J. *Jodoform; seine Wirkung und Anwendung zu therapeutischen Zwecken in der Zahnheilkunde. 20p. 8°. Würzb., 1932.

Arvanitopulo, F. I. [Effect of iodoform injections on the morphology of the white blood] Vest. khir., 1930, 22: 59-76.—**Berger, P.** La cura de iodoformio. Arch. ter. m'd. quir., Barcel., 1882, 83, 1: 133; 145; 1883-84, 2: 3: 39; 52.—**Bizzozero, E., & Ferrari, A. V.** Sull'idiosincrasia all'iodoformio. Gior. ital. derm. sif., 1930, 71: 1089; 1931, 72: 3-24.—**Chatellier, J.** Un cas d'iodoformisme. Rev. stomat., Par., 1932, 39: 215-7.—**Dubrisay, R., & Emschwiler, G.** Sur l'oxydation des solutions d'iodoformio. C. rend. Acad. sc., 1932, 195: 660-2.—**Erkens, A.** Jodoformvergiftung eines Säuglings. Arch. Sachverst. Ztg., 1938, 44: 171.—**Glass, N.** Observations on the preparation and properties of iodoform and thymol iodide. Q. J. Pharm., Lond., 1935, 8: 351-60, pl.—**Hellerström.** Jodoformpustelidiosis-krasie. Acta derm. vener., Stockh., 1935, 16: 121.—**Lonneville, G.** L'auxothérapie; le patient réfractaire à l'arsenic; la réhabilitation de l'iodoforme. J. dent. belge, 1936, 27: 19-33.—**Martínez Castilla, M.** Sobre una adulteración del yodoformio. Bol. farm. mil., Madr., 1935, 14: 1.—**Mohler, H. K.** Iodoform. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 8: 132-7.—**Morpurgo, G.** Sulla garza di iodoformio del commercio. Gior. farm., Trieste, 1897, 2: 2-8.—**I metodi di ricerca del iodoformio nelle medicature chirurgiche.** Ibid., 161-5.—**Pels Leusden, F.** Ist das Jodoform in der Chirurgie überflüssig geworden? Med. Klin., Berl., 1934, 30: 425.—**Perutz, A.** Untersuchungen über die Jodoformdermatitis. Arch. Derm. Syph., Berl., 1928, 154: 206-16.—**Sartorelli, U.** Sull'uso terapeutico delle inalazioni di iodoformio; contributo clinico e sperimentale. Fol. med. Nap., 1927, 13: 102-11.—**Schacherl, G.** La ricerca del contenuto di materia attiva nelle medicature chirurgiche. Gior. farm., Trieste, 1898, 3: 357-65.—**Shaw, R. C.** Iodoform poisoning following the use of B. I. P. P. Lancet, Lond., 1933, 1: 250.—**Somov, K. V.** [Case of idiosyncrasy to iodoform] Stomatologia, Moskva, 1937, No. 3, 101.—**Van Melckebeke, R.** Méthode de recherche de l'iodoforme et ses applications. Ann. pharm., Louvain, 1900, 6: 45-50.

IODOGORGIC acid [Di-iodo-tyrosine]

See also Thyroglobulin; Thyroxine; Tyrosine.

KOMANT, W. *Ueber die chemische Reaktionsfähigkeit des Thyroxins, Dijodtyrosins und verwandter Körper im besonderen Hinblick auf charakteristische Farbreaktionen (Auszug) 3p. 23cm. Giessen, 1936.

PLOENES, L. *Ueber den Einfluss des Thyroxins und des Dijodtyrosins auf die Methylenblaufärbung [Münster] 14p. 8°. Quakenbrück, 1933.

Abelin, I. Ueber das Dijodtyrosin. Praxis, Bern, 1935, 24: 325.—**Beretervide, J. J., & Rosenblatt, S.** Consideraciones sobre dosificación de la diiodotirosina. Día méd., B. Air., 1932-33, 5: 953.—**Block, P., jr.** A note on the conversion of diiodotirosine into thyroxine. J. Biol. Chem., 1940, 135: 51.—**Brand, E., & Kassell, B.** The photometric determination of tryptophane, tyrosine, diiodotirosine, and thyroxine. Ibid., 1939, 131: 489-502.—**Choh Hao Li.** Kinetics and mechanism of 2,6-di-iodotyrosine formation. J. Am. Chem. Soc., 1942, 64: 1147-52.—**D'Alessio de Carnevale Bonino, R. C.** Estudio químico funcional cualitativo y cuantitativo de la diiodotirosina. Sem. méd., B. Air., 1940, 47: pt 2, 146-53.—**Habild, G.** Ueber den bakteriellen Abbau von 3,5-Dijod-1-tyrosin. Zschr. Biol., 1938-39, 99: 421-30.—**Harington, C. R., & Randall, S. T.** Observations on the iodine-containing compounds of the thyroid gland; isolation of dl-3: 5-di-iodotyrosine. Biochem. J., Lond., 1929, 23: 373-83.—**The isolation of d-3: 5-di-iodotyrosine from the thyroid gland by the action of proteolytic enzymes.** Ibid., 1931, 25: 1032-6.—**Johnson, T. B., & Tewkesbury, L. B., jr.** The oxidation of 3,5-diiodotyrosine to thyroxine. Proc. Nat. Acad. Sc. U. S., 1942, 28: 73-7.—**Leff, H. H., &**

MacLean, J. A., jr. Visualization of the brain and spinal cord with diiodotyrosine-gelatin contrast medium, including observations on the fate of this material. Arch. Neur. Psychiat., Chic., 1942, 48: 343-7.—Ludwig, W., & Mutzenbecher, P. von. Die Darstellung von Thyroxin, Monojodtyrosin und Dijodtyrosin aus jodiertem Eiweiss. Zschr. physiol. Chem., 1939, 258: 195-211.—Mutzenbecher, P. von. Ueber die Bildung von Thyroxin aus Dijodtyrosin. Ibid., 261: 253-6.—Myers, C. S. Some derivatives of diiodotyrosine and thyroxine; the action of acetic anhydride on diiodotyrosine. J. Am. Chem. Soc., 1932, 54: 3718.—Niemann, C., & Mead, J. F. The synthesis of dl-3,5-diiodo-4-(3',5'-diiodo-2'-hydroxyphenoxy)-phenylalanine, a physiologically active isomer of thyroxine. Ibid., 1941, 63: 2685-7.—Niemann, C., & Redemann, C. E. The synthesis of dl-3,5-diiodo- (2',4'-diiodo-3'-hydroxyphenoxy)-phenylalanine, a physiologically inactive isomer of thyroxine. Ibid., 1949-52.—Przylecki, S. J. von, & Truszkowski, R. Versuch einer Trennung von Tyrosin, Thyroxin, 3-5-Dijodtyrosin und Tyrosin enthaltenden Peptiden. Biochem. Zschr., 1938, 298: 326.—Sainton, P., Kayser, F., & Ansel, E. Etude de l'élimination de l'iode après ingestion de di-iodotyrosine. C. rend. Soc. biol., 1934, 115: 244-7.—Snapper, I., & Grünbaum, A. [Metabolism of di-iodotyrosine and iodine-containing dipeptides] Ned. tscr. geneesk., 1939, 83: 5216-23.

Pharmacology.

BUSSEMAKER, B. *Die Beeinflussung der Thyreoidinkreatinurie durch Dijodtyrosin. 10p. 8°. Weende, 1935.

HACKSTEIN, H. *Ueber die Wirksamkeit von Thyroxin und Dijodtyrosin auf die Zell-Atmung [Rostock] 15p. 8°. Rochlitz, 1934.

Abelin, I. Einfluss des Dijodtyrosins auf den hyperthyreotischen Stoffwechsel. Biochem. Zschr., 1931, 233: 483-5.—Barbieri, D. Le modificazioni del metabolismo basale provocate dalla diiodotirosina in diverse endocrinopatie. Boll. Soc. med. chir., Pavia, 1937, 51: 689-96.—Bussemaker, B., & Pollmann, A. Ueber Dijodtyrosin und Lugolsche Lösung als Antagonisten des Schilddrüseninkretes. Mschr. Kinderh., 1935, 63: 422.—Califano, L. Azione della tiroxina, diiodotirosina, diiodotirosina sul cuore. Arch. ital. sc. farm., 1934, 3: 168-77.—Coudorelli, L. Ricerche sperimentali sul significato e sul meccanismo d'azione della diiodotirosina. Riv. pat. sper., 1937, 19: 120-7; 197-200.—Connor, C. L. Anatomic changes produced by thyroid feeding and by injection of 3,5-diiodotyrosine. Arch. Path., Chic., 1937, 24: 315-24.—Dasseu, R. Consideraciones a propósito de una observación de leucemia mielógena; acción de la diiodotirosina sobre el metabolismo basal. Rev. As. méd. argent., 1933, 47: 3532-6.—Delcourt-Bernard, E. Etude expérimentale sur l'action des tyrosine, dibromo-tyrosine, di-iodo-tyrosine et lugol sur la consommation d'oxygène du lapin et de l'homme. Arch. internat. méd. exp., Liège, 1937, 12: 397-308.—Elmer, A. W. Di-iodotyrosine and thyroid function. Q. J. Exp. Physiol., Lond., 1934, 24: 95-9, pl.—Fenicia, M. Ricerche sperimentali sul significato e sul meccanismo d'azione della diiodotirosina; il ricambio idrico negli animali tiroideotomizzati e trattati con diiodotirosina o tiroxina; influenza della diiodotirosina sul ricambio idrico nell'uomo normale. Riv. pat. sper., 1937, 19: 1325-9.—Ricerche sperimentali sul significato e sul meccanismo d'azione della diiodotirosina; l'equilibrio elettrolitico negli animali tiroideotomizzati e trattati con diiodotirosina; l'equilibrio elettrolitico nell'uomo normale trattato con diiodotirosina. Ibid., 160-77.—Foster, G. L. A comparison of the effects of administration of iodide and diiodotyrosine on the iodine and thyroxine content of the thyroid. J. Biol. Chem., 1934, 104: 497-500.—Francaviglia, A. Ricerche sperimentali sul significato e sul meccanismo d'azione della diiodotirosina; azione della diiodotirosina negli animali tiroideotomizzati, negli uomini normali e negli ammalati di morbo di Basedow. Riv. pat. sper., 1937, 19: 128-31.—Goldhammer, S., & László, D. Klinischer Beitrag zur Frage der therapeutischen Wirksamkeit des Dijodtyrosins. Med. Klin., Berl., 1935, 31: 1463.—Gutzeit, K., & Parade, G. W. Blutjodstudien; die Beeinflussung des Jodspiegels durch Jod und Dijodtyrosin; der Jodquotient in seiner Bedeutung für die Inkretlage. Zschr. klin. Med., 1937-38, 133: 532-40.—Hoffman, O., & Gudernatsch, F. Differentiation as affected by diiodo-tyrosine plus certain other amino acids. Endocrinology, 1933, 17: 239-49.—Kommerell, B. Zur Frage der Wirkung des Dijodtyrosins auf den thyreotoxischen Stoffwechsel. Arch. exp. Path., Berl., 1932, 165: 169-76.—Kronenberg, B. Der Kohlehydratstoffwechsel nebennierenloser Tiere und dessen Beeinflussung durch Diät und Dijodtyrosin. Ausz. Inaugur. Diss. Med. Fak. Univ. Bern, 1933-35, No. 127, 1.—La Grutta, L. Influenza della diiodotirosina sul beri-beri sperimentale e sul digiuno dei colombi. Riv. pat. sper., 1938, 20: 77-86.—Loeser, A. Biologische Wirkungen von Derivaten (Aethern) des Thyroxins, Dijodthyroxins und Dijodtyrosins. Arch. exp. Path., Lpz., 1938, 190: 208.—Ruland, H., & Trikojus, V. M. Darstellung, Eigenschaften und biologische Wirkungen von Derivaten (Aethern) des Thyroxins, Dijodthyroxins und Dijodtyrosins. Ibid., 189: 664-78.—Misske, B., & Sylla, A. Zur Kreislaufwirkung des Dijodtyrosins bei gesteigerter Schilddrüsenaktivität unter besonderer Berücksichtigung des Elektrokardiogramms. Med. Klin., Berl., 1934, 30: 832-5.—Sainton P., & Simonnet, H. Recherches expérimentales sur l'action de la di-iodotyrosine. C. rend. Soc. biol., 1933, 112:

773-5.—Schiappoli, F. Ricerche sperimentali sul significato e sul meccanismo di azione della diiodotirosina; l'azione sulla crisi sanguigna. Endocr. pat. cost., Bologna, 1939, 14: 168-81.—Turchetti, A. Ricerche sperimentali sul significato e sul meccanismo d'azione della diiodotirosina; l'azione della diiodotirosina sulla glicoregolazione. Riv. pat. sper., 1937, 19: 178-96.—Villa, L. Giftigkeit des Dijodtyrosins. Klin. Wschr., 1936, 15: 1807.—Wachstein, M. Zur Frage des Wirkungsmechanismus des Dijodtyrosins. Wien. klin. Wschr., 1934, 47: 1579.

Therapeutic use.

SLIM Y VILLEGAS, G. *Contribution à l'étude de l'emploi de la diiodotyrosine en gynécologie. 56p. 8°. Par., 1938.

Abelin, I. Ueber die Bekämpfung der experimentellen Hyperthyreose mittels Dijodtyrosin und der Ernährungsart. Klin. Wschr., 1931, 10: 2205-7.—Holst, J. [Dijodtyrosin in thyreotoxikosis] Norsk. mag. laegevid., 1936, 97: [Forh. Norsk. med. selsk.] 281-92.—Pieber, H., & Seyfried, H. Ueber die therapeutische Wirksamkeit injizierbarer Dijodtyrosinpräparate. Gastroenterologia, Basel, 1942, 67: 103.—Wahl, M. Indications et posologie de la diiodotyrosine et neuro-psychiatrie d'enfants. Prat. méd. fr., 1936, 17: 126-33.

IODOMETRY.

See also Iodine, Determination; also under names of substances as Alkaloid, etc.

BROTHIER, P. *Emploi de l'iodide et d'un alcali pour le dosage volumétrique du phénol, des phénols halogénés symétriques, de l'acide oxy-4-benzoïque, de l'acide salicylique et de quelques-uns de ses dérivés [Nancy] 68p. 24cm. Par., 1934.

Beukema-Goudsmit. Contribution à la détermination quantitative iodométrique et bromométrique du phénol, de l'acide salicylique et des crésols et à l'identification des produits de réaction. J. pharm. chim., Par., 1934, 20: 19-21.—Deischer, C. K., & McNabb, W. M. An iodometric method for the estimation of silver; for student use. Chem. Leaflet, 1942-43, 16: No. 8, 94.—Furman, N. H., & Miller, C. O. The use of iodine and of potassium iodate as volumetric oxidizing agents in solutions containing mercuric salts; the effect of mercuric salts upon the stoichiometry of various oxidation-reduction reactions; new procedures for the titration of arsenite and antimonite with standard solutions of iodine or of potassium iodate. J. Am. Chem. Soc., 1937, 59: 152-61.—Gramenitzki, M. J. Von Bedingungen, unter welchen die Jod-Stärke-Reaktion in ihrer klassischen Form nicht stattfindet. Biochem. Zschr., 1927, 185: 427-9.—Hunter, L., & Hyde, F. F. A new reagent for the determination of iodine values. Analyst, Lond., 1933, 58: 523-7.—Lespagnol, A., & Bruneel, J. Contribution à l'étude de l'indice d'iodide des dérivés cinamiques. J. pharm. chim., Par., 1937, 8. ser., 25: 454-7.—Miller, C. O., & Furman, N. H. The use of iodine and of potassium iodate as volumetric oxidizing agents in solutions containing mercuric salts; the oxidation of phenylhydrazine and of semi-carbazide by means of potassium iodate. J. Am. Chem. Soc., 1937, 59: 161-4.—Schulek, E. Jodometrisches Verfahren zur Bestimmung geringer Menge Silbers auch in Gegenwart von Chloriden, Bromiden und Cyaniden. Orsz. Közgyűsz. Int. közl., 1930, 3: No. 32, 259-67.—Sharland, W. Iodine values. Australas. J. Pharm., 1935, n. ser., 16: 672-4.—Wilkie, J. M. The action of iodine on phenols and its application to their volumetric determination; phenol, salicylic acid, beta naphol. J. Soc. Chem. Indust., Lond., 1911, 30: 398-402.

IODOTYROSINE.

See Iodogorgic acid.

IOLE, Rosario. Guida pratica descrittiva degli apparecchi elettromedici. 4p.; 62p. illust. 8°. Nap., V. Idelson, 1936.

ION.

See also Atom; Diffusion; Electric charge; Electricity; Electrolyte; Electron; Equilibrium [chemical] Gas, Electric properties; Ionization; Ionization chamber; Ionization gauge; Ionosphere; Iontometry; Iontophoresis.

Brinkman, R., & van Dam, E. A method for the determination of the ion concentration in ultra filtrates and other protein free solutions. Proc. Akad. wet. Amsterdam, 1920, 22: sect. sc., 762-71.—Fuoss, R. M. Transition cases in the distribution of ions. J. Am. Chem. Soc., 1935, 57: 2604-7.—Grimm, H. G. Gitterenergien und Ionisierungsarbeiten anorganischer Verbindungen; Mitteilung über Ioneigenschaften und chemische Tatsachen. Zschr. phys. Chem., 1922, 102: 113-40.—Zusammenhänge zwischen Bildungswärmen, Gitterenergien und Ioneigenschaften. Ibid., 141-68.—Nachtrag zu der Arbeit: Gitterenergien und Ionisierungsarbeiten anorgani-

scher Verbindungen. *Ibid.*, 504-6.—**Iakshin, M. M.** On the ionic constant of matter in a solid state. *C. rend. Acad. sc. URSS*, 1941, 32: 132-4.—**Kiss, A., & Acs, V.** Zur Bestimmung von Ionenkonzentrationen nach der Dialysenmethode; Fehlerquellen der Messmethode. *Kolloid Zschr.*, 1943, 102: 202.—**Kordes, E.** Ionenradialen und periodisches System. *Zschr. phys. Chem.*, Abt. B, 1939, 43: 213-28.—**Loewe, S.** Ionen-Dyskrasie; ein graphisches Hilfsmittel zum Studium der Folgen von Gleichgewichtsstörungen in der Ionenzusammensetzung biologischer Salzlösungen. *Biochem. Zschr.*, 1926, 167: 92-9.—**Meggers, W. F.** The strongest lines of singly ionized atoms. *J. Optic. Soc. America*, 1941, 31: 605-11.—**Náray-Szabó, S., & Szabó, Z.** Zur Bestimmung von Ionenaktivitäten. *Zschr. phys. Chem.*, Abt. A, 1935, 173: 103-5.—**Nolan, J. J., & O'Keefe, J. G.** Multiply charged large ions. *Proc. R. Irish Acad.*, 1933, 41: A, 26-40.—**Romer, A.** The experimental history of atomic charges 1895-1903. *Isis, Menasha*, 1942-43, 34: 150-61.—**Schatzky, S.** Quelques données concernant la nature des ions et des molécules. *Ann. électrochim.*, Lille, 1907, 10: 1-8.—**Schröder, V.** Ultramikroskopische Beobachtungen über den Einfluss anorganischer Ionen auf die Dispersität von Eialbumin und Hämoglobin bei variierter H-Ionenkonzentration. *Biochem. Zschr.*, 1928, 195: 210-9.—**Steingiser, S., & Hyman, H.** Magneto-optic rotations of paramagnetic ions. *J. Am. Chem. Soc.*, 1938, 60: 2294-6.

Activity coefficient.

—**Crockford, H. D., & Thomas, H. C.** The Debye-Hückel ion size parameter in terms of individual ionic radii; the activity coefficient of lead chloride in solutions of cadmium nitrate. *J. Am. Chem. Soc.*, 1933, 55: 568-74.—**Hass, K., & Jellinek, K.** Ueber die Aktivitätskoeffizienten von Ionen. *Zschr. phys. Chem.*, Abt. A, 1932, 162: 153-73.—**Katu, Y.** Versuchsanordnung zur Untersuchung der Ionenaktivität und der Potentialdifferenz. *Jap. J. Med. Sc.*, 1936-38, 4: *Proc. Biophysics*, 2.—**Kielland, J.** Individual activity coefficients of ions in aqueous solutions. *J. Am. Chem. Soc.*, 1937, 59: 1675-8.—**Quintin, M.** Coefficients d'activité individuels des ions. *J. chim. phys.*, Par., 1936, 33: 433-47.—**Stadie, W. C., & Hawes, E. R.** The rôle of the liquid junction potential in the electrometric determination of single ion activity coefficients. *J. Biol. Chem.*, 1928, 78: *Proc.*, p. xxix-xxii.—**Stadie, W. C., & Sunderman, F. W.** The osmotic activity coefficients of ions in hemoglobin solutions. *Abstr. Internat. Physiol. Congr.*, 1929, 13. Congr., 256.

Adsorption and exchange.

See also Osmosis.

—**Annett, M., & Newman, L.** Spectroscopic estimation of adsorbed ions. In *Colloid Sympos. Monogr.*, Balt., 1936, 65-71. Also *J. Phys. Chem.*, 1936, 40: 187-93.—**Austerweil, G.** L'échange d'ions et ses applications. *Bull. Soc. chim. France*, 1939, 5. s. r., 6: 55-70. — Sur le mécanisme des échanges d'ions. *Ibid.*, 1941, 5. s. r., 8: 546-54.—**Conway, E. J., & O'Brien, M. F., & Boyle, P. J.** Interchange of the ammonium and potassium ions in muscle and yeast. *Nature, Lond.*, 1941, 148: 662.—**Erbacher, O.** Ueber die Vorgänge beim Austausch zwischen Metallatomen und edleren Ionen. *Zschr. phys. Chem.*, Abt. A, 1932-33, 163: 196-230.—**Kellermann, A., & Lange, E.** Ueber die Adsorption potentialbestimmender Ionen. *Kolloid Zschr.*, 1937, 81: 88-104. — Einfluss der Art und Konzentration der Gegenionen auf die Adsorption potentialbestimmender Ionen. *Ibid.*, 1939, 88: 341-7. — Ueber die Adsorption potentialbestimmender Ionen; Adsorption von Säuren, Neutralsalzen und Basen an hochaktivierter Kohle in Abwesenheit und Gegenwart von Wasserstoff oder Sauerstoff. *Ibid.*, 1940, 90: 89-104.—**Mazia, D.** Cation exchange in Elodea. *J. Cellul. Physiol.*, 1938, 11: 455-63.—**Müller, E.** Abreissen adsorbierter Ionen durch hohe elektrische Feldstärken. *Naturwissenschaften*, 1941, 29: 533.—**Verwey, E. J. W.** Ionenadsorption und Austausch. *Kolloid Zschr.*, 1935, 72: 187-92.—**Walton, H. F.** Ion exchange between solids and solutions. *J. Franklin Inst.*, 1941, 232: 305-37.—**Weiser, H. B., & Milligan, W. O.** The electrolyte coagulation process; the influence of dilution of sol on the adsorption of precipitating ions. *J. Am. Chem. Soc.*, 1940, 62: 1924-30.

Anion.

—**Clay, J. P., & Thomas, A. W.** The catalytic effect of anions upon the rate of dissolution of hydrous alumina by acids. *J. Am. Chem. Soc.*, 1938, 60: 2384-90.—**Davson, H.** The influence of the lyotropic series of anions on cation permeability. *Biochem. J., Lond.*, 1940, 34: 917-25.—**Evans, M. G., & Polányi, M.** Effect of negative groups on reactivity. *Nature, Lond.*, 1941, 148: 436.—**Ionescu, T. V.** Sur la structure de l'ion négatif; détermination du moment magnétique nucléaire. *C. rend. Acad. sc.*, 1940, 210: 699-701.—**Welcher, F. J., & Briscoe, H. T.** The analysis of the anions. *Chem. News, Lond.*, 1932, 145: 161.

Antagonism.

—**BERGER, E. (geb. GUMPERT)** *Unterschiedliche Wirkungen gleicher Ionen und Ionenmischungen auf verschiedene Tierarten; ein Beitrag zur Lehre vom Ionenantagonismus [Kiel] 40p. 8°. Berl., 1929.

Also *Arch. ges. Physiol.*, 1929, 223: 1-39.

—**RIEHM, W.** *Modellversuche zum Mechanismus des biologischen Ionenantagonismus. 13p. 21cm. Tüb., 1937.

—**Belák, A., & Szép, E.** Der Ionenantagonismus als rein chemisches Problem (zugleich ein Beitrag zur Frage der Ca-Ionisation). *Biochem. Zschr.*, 1926, 171: 22-32.—**Bethe, A.** Differences in the physiological antagonisms of ions. *Univ. Toronto M. J.*, 1929-30, 7: 176-82.—**Dorfmann, V., & Shcherbacheva, D.** Ionenantagonismus an kolloidalen Modellen; die doppelte Natur der Hofmeister'schen Anionenreihe und die Faktoren des Ionenantagonismus. *Kolloid Zschr.*, 1930, 52: 289-93. Also *J. eksp. biol.*, 1930, 14: 24-9.—**Gellhorn, E.** Quantitative studies in ion antagonism. *Biol. Bull.*, 1930, 59: 339-52.—**Graham, H. T.** Modification of nerve after-refractory and refractory period by changes of ionic environment: new cases of physiological antagonism between univalent and bivalent cations. *Am. J. Physiol.*, 1933, 104: 216-34.—**Hober, R., & Schürmeyer, A.** Ultramikroskopische Beobachtung des Ionenantagonismus in Eiweißlösungen. *Arch. ges. Physiol.*, 1926, 214: 516-23.—**Järnecke, H.** Ueber die Wechselbeziehung von Eiweiß- und Mineralstoffen und ihre Bedeutung für den Ionenantagonismus. *Klin. Wschr.*, 1936, 15: 6-10.—**Keller, R.** Der Kalium-Natrium-Kontrast. *Protoplasma, Lpz.*, 1936, 25: 69-76.—**Köhler, D.** Contribution à l'étude des antagonismes ioniques dans le phénomène d'imbibition. *C. rend. Soc. biol.*, 1936, 121: 1308-11.—**Konikov, A. P.** [Biophysical origin of the law of antagonism of ions] *J. eksp. biol.*, 1929, 12: 342-50.—**Ostwald, W., & Hoffmann, K.** Elektrolytkoagulation schwach solvatisierter Sole und Elektrolytaktivität; der Ionen-Antagonismus bei der Flockung. *Kolloid Zschr.*, 1937, 80: 186-204.—**Raber, O. L.** The antagonistic action of anions. *J. Gen. Physiol.*, 1919-20, 2: 541-4.—**Reichel, H., & Spiro, K.** Ionenwirkungen und Antagonismus der Ionen. In *Handb. norm. path. Physiol.* (A. Bethe & G. Bergmann) Berl., 1927, 1: 486-530.—**Rubinstein, D. L.** Ueber die quantitativen Gesetzmäßigkeiten bei den Erscheinungen des Ionenantagonismus. *Arch. ges. Physiol.*, 1926, 214: 1-20.—**Simms, H. S.** Chemical antagonism of ions; effect of Na-Mg and K-Mg mixtures of the activity of oxalic diion. *J. Gen. Physiol.*, 1937-28, 12: 241-58. — Chemical antagonism of ions; antagonism between anions and also between cations and anions in their effect on oxalate activity. *Ibid.*, 259-67. — Chemical antagonism of ions; effect of salt mixtures on glycine activity. *Ibid.*, 1928-29, 12: 783-92.—**Spealman, C. R.** Ion antagonism and the frog heart. *Am. J. Physiol.*, 1942, 136: 351-4.

Biological aspect.

See also Acid-base equilibrium; Catalysis, etc.

—**AUGSBERGER, A.** *Ultrafiltration und Kompensationsdialyse; ein Beitrag zur Frage der Ionenbindung im Blutserum. p.618-47. 8° [Erlangen] 1926.

Also *Erg. Physiol.*, 1927, 24:

—**CRUZ-COKE, L. E.** La acidez iónica en clínica; ensayo de físico-química biológica. 400p. 12°. Santiago, 1925.

—**Bachrach, E.** Optimum thermique et composition ionique. *Rev. canad. biol.*, 1942, 1: 344.—**Belehrádek, J.** Survie du cœur avec des liquides contenant l'ion Na non contrebalancé. *Arch. internat. physiol.*, Liège, 1923-24, 22: 156-72.—**Bethe, A.** Der Einfluss der Ionen des Seewassers auf rhythmische Bewegungen von Meerestieren. *Arch. ges. Physiol.*, 1927, 217: 456-68.—**Bradway, W. E.** A comparison of the inhibitory action of cations on the dispersion of the cell aggregates of the sponge, *Haliclona* (sp. ?) *Protoplasma*, 1936, 25: 546-9.—**Brooks, S. C.** Penetration of radioactive ions, their accumulation by protoplasm of living cells, *Nitella coronata*. *Proc. Soc. Exp. Biol.*, N. Y., 1938, 38: 856-8.—**Clerici, A.** L'ufficio degli ioni nei processi vitali. *Gazz. osp.*, 1929, 50: 809-11.—**Conway, E. J., & Kane, F.** Diffusion rates of anions and urea through tissues. *Biochem. J., Lond.*, 1934, 28: 1769-83.—**Cook, S. F.** The rôle of certain metallic ions as oxidation catalysts. *J. Gen. Physiol.*, 1926-27, 10: 289-312.—**Fischer, H.** Die Bedeutung der anorganischen Ionen für die normalen und pathologischen Lebensvorgänge (speziell für Erregung und Lähmung) Schweiz. *Arch. Neur. Psychiat.*, 1931-32, 28: 73; 216.—**Fishberg, E. H.** Die Rolle der Ionisation im Blute bei Rachitis und Tetanie. *Msehr. Kinderh.*, 1927, 35: 525-32.—**Gagge, A. P., & Moriyama, I. M.** The annual and diurnal variation of ions in an urban community. *Collect. Papers John B. Pierce Lab. Hyg.*, 1934-39, 1: No. 7, 295-306.—**Hastings, A. B., & Van Dyke, H. B.** The importance of the carbonate ion in physiological activity. *Proc. Soc. Exp. Biol.*, N. Y., 1926-27, 24: 831.—**Jendrassik, L., & Czike, A.** Zum Chemismus der vegetativen Reizung; weitere Versuche über die angebliche Rolle von Ionen. *Biochem. Zschr.*, 1928, 193: 285-99.—**Katu, Y.** Studies in the ionic activity estimated by the electrode potential measurement and its biological significance. *J. Biophys.*, Tokyo, 1927, 2: 95-164.—**Lundegårdh, H.** Untersuchung über die Anionenatmung. *Biochem. Zschr.*, 1937, 290: 104-24.—**Muramoto, S.** Studien über die Grundprobleme in der Ionenbiologie. *Mitt. Med. Akad. Kyoto*, 1936, 16: 1413-5.—**Onedera, N.** On the physiological action of anions. In *Med. Conf. Addr. New Dairen Hosp.*, 1927, 63-6. Also *J. Orient. M.*, Dairen, 1928, 8: 1-4. — **Nisio, E.** [et al.] On

the physiological action of anions. Tr. Far East. Ass. Trop. M., 1927, 7. Congr., 3: 587-91.—Pincussen, L. Die Rolle der Ionen für die Lebensvorgänge. Zschr. ärztl. Fortbild., 1928, 25: 240-3.—Rubinstein, D. L. [Various physiological reactions between the ions in balanced mixtures] J. eksp. biol., 1925, 37-59.—Steinbach, H. B. Electrolyte balance of animal cells. Sympos. Quant. Biol., 1940, 8: 242-54.—Tchijevsky, A. L., & Kimriakov, V. A. Action biologique des matériaux nutritifs alimentaires, activés par le flux ionique sur la croissance des poussins. Rev. physiothér., Par., 1938, 14: 9-35.

Cation.

Kalinkovich, A. Effect of cations (K, Na, Ca) on conversion of sugar in plants. C. rend. Acad. sc. URSS, 1941, 33: 251-3.—Katz, J. R., Seiberlich, J., & Weidinger, A. Die lyotrope Reihe bei der Quellung und ihre Ausbreitung auf organische, auch nicht ionisierte Substanzen; über den Einfluss verschiedener Kationen. Biochem. Zschr., 1938, 298: 320-2.—Nakagawa, J. Studies on the membrane potential; the concentration effect of polyvalent cations upon colloidal membranes. Jap. J. M. Sc., 1936-37, 4: Biophys., 297-319.—Saccardi, P. Semplificazione nella ricerca qualitativa di alcuni cationi. Boll. Soc. eustach., 1924, 22: 31-4.—Voet, A. Zur numerischen Festlegung der lyotropen Reihe der einwertigen Kationen. Kolloid Zschr., 1937, 78: 201-4.

complex.

Gould, R. K., & Vosburgh, W. C. Complex ions; a study of some complex ions in solution by means of the spectrophotometer. J. Am. Chem. Soc., 1942, 64: 1630-4.—King, C. V. The catalytic decomposition of azodicarbonate ion. Ibid., 1940, 62: 379-85.—Vosburgh, W. C., & Cooper, G. R. Complex ions; the identification of complex ions in solution by spectrophotometric measurements. Ibid., 1941, 63: 437-42.

dipolar.

Keefer, R. M., & Reiber, H. G. Interaction of ions and dipolar ions; the solubility of silver iodate and lead iodate in glycine and in alanine solutions. J. Am. Chem. Soc., 1941, 63: 689-92.—Marcy, H. O., 3rd, & Wyman, J., jr. Anomalous dispersion of dipolar ions. Ibid., 1938-97.—Wyman, J., jr. The problem of free rotation in complex dipolar ions in solution. J. Phys. Chem., 1939, 43: 143-52.

Dispersion, aggregation, and refraction.

Bauer, N., & Fajans, K. The molar dispersion and refraction of free and bonded ions. J. Am. Chem. Soc., 1942, 64: 3023-34.—Hardley, G. S. Ionenaggregation in Lösungen von Salzen mit langen Paraffinketten. Kolloid Zschr., 1939, 88: 22-40.—Petrikalns, A., & Ogrins, B. Ueber die Molefraktion des Azid-Ions. Radiologica, Berl., 1938, 3: 201-7.—Viets, F. G., jr. Effects of Ca and other divalent ions on the accumulation of monovalent ions by barley root cells. Science, 1942, 95: 486.

Metabolism.

See also Cell, Permeability; Mineral, Metabolism.

Brooks, M. M. The penetration of cations into living cells. J. Gen. Physiol., 1921-22, 4: 347-9.—Brooks, S. C. The ion permeability of protoplasm. Abstr. Internat. Physiol. Congr., 1929, 13. Congr. 39. —Continuation of investigations of the intake and exit of ions in living cells, particularly Nitella, Paramecium and eggs of marine invertebrates. Yearb. Am. Philos. Soc. (1940) 1941, 126.—Collander, R. Diffusion and adenoid Tätigkeit bei der Ionenaufnahme pflanzlicher Zellen. Kolloid Zschr., 1943, 102: 93.—Eichler, O., & Eichler, L. Ueber die Ausscheidung von anorganischen Ionen bei Fröschen. Arch. exp. Path., Berl., 1942, 199: 4-20.—Franck, R. Die Bedeutung einzelner Elektrolyte. In his Mod. Ernährungsther., 3. Aufl., Berl., 1938, 49-55.—Krogh, A. The active absorption of ions in some freshwater animals. Zschr. vergl. Physiol., 1937-38, 25: 335-50.—Winberg, G. G. [Absorption of ions by aquatic animals] Usp. sovrem. biol., 1939, 10: 162-5.—Webb, D. A. Ionic regulation in *Carcinus maenas*. Proc. R. Soc., Lond., ser. B, 1940-41, 129: 107-36, pl.

Mobility, and velocity.

Berland, A. S. [Migration of potassium and calcium ions] In Recueil Strajsko (Bogomoletz, A.) Kiev, 1935, 1271-8.—Cockcroft, J. D. High-velocity positive ions. Brit. J. Radiol., 1937, 10: 159-70.—Davis, B. D., & Cohn, E. J. The influence of ionic strength and pH on electrophoretic mobility. In Electrophoresis (H. A. Abramson, et al.) N. Y., 1939, 209-12.—Domer, E. Critique de l'hypothèse de Hittorf sur la vitesse des ions. Ann. électrob., Lille, 1907, 10: 73-8.—Gray, L. H., Read, J., & Liebmann, H. Comparison of the effects of neutron and gamma-ray ionisation on the electrophoretic mobility of colloidal graphite particles. Brit. J. Radiol., 1941, 14: 102-6.—Jahn, H. Ueber die Wanderungsgeschwindigkeit der Ionen in verdünnten Lösungen. Zschr. phys. Chem., 1907, 58: 641-58.—Lewis, P. The velocity of ions in colored-flame gases. C. rend. Congr. internat. radiol. ionis. (1905) 1906, 1. Congr. sect. phys., Engl. pt, 57-63.—Li, N. C. C., & Brüll, W. Con-

ductivity studies; the limiting ionic mobilities of several univalent ions at temperatures between 15 and 45°. J. Am. Chem. Soc., 1942, 64: 1635-7.—Mueller, H. Theory of electrophoretic migration. In Electrophoresis (H. A. Abramson, et al.) N. Y., 1939, 111-20.—Munson, R. J., & Tyndall, A. M. The mobility of alkali ions in gases; the attachment of water molecules to alkali ions in gases. Proc. R. Soc., Lond., ser. A, 1939, 171: 28-50.

Pharmacology.

See also subheading Antagonism; also Iontophoresis.

Arima, H. Studien über die Wirkung des Schwer-Ions (Langebain) Jap. J. M. Sc., 1938-39, 5: Proc. Int. Med., 253.—Bacq, Z. M. Action des ions sur le cœur et les muscles lisses. Liège méd., 1934, 27: 2-16.—Becka, J. [Importance of ions of magnesium and hydroxyl in treatment of wounds and inflammatory processes] Cas. lék. česk., 1927, 66: 876-8; 1209.—Borman, E. K. Comparative studies on the natural and acquired resistance of certain strains of *Escherichia coli* to the bacteriostatic and germicidal effects of cations. J. Bact., Balt., 1932, 23: 315-29.—Giuliani, I. Sulla teoria degli scambi ionici nella terapia elettrica. Med. nuova, 1944, 15: 294.—Helff, O. M. Toxic and antagonistic properties of Na, Mg, K, and Ca ions on duration of life of *Gambusia clarkii*. Physiol. Zool., 1931, 4: 380-93.—Hermann, H., Jourdan, F. [et al.] Action adréralino-sécrétrice des ions alcalins. C. rend. Soc. biol., 1938, 129: 595.—Ingraham, K. C., & Visscher, M. B. Effects of a divalent cation on sodium removal from intestinal loops. Proc. Soc. Exp. Biol., N. Y., 1937-38, 36: 201.—Jendrasik, L., & Antal, L. Beiträge zu einer Pharmakologie der Konzentrationsänderungen; über Anionenwirkungen. Biochem. Zschr., 1926, 171: 296-306.—Jones, J. R. E. A study of the relative toxicity of anions, with *Polycelis nigra* as test animal. J. Exp. Biol., Lond., 1941, 18: 170-81.—Lurie, G. S., & Temper, B. A. [Effect of cations on gastric secretion] Odess. med. J., 1930, 5: 261-4.—Neipp, L. Etude de l'action à doses diverses de certains cations sur la multiplication microbienne; rôle des charges électriques. Bull. sc. pharm., Par., 1938, 45: 289-302.—Nyst, E. Les ions. Ann. pharm. Louvain, 1902, 8: 357-66.—Okac, K. Beiträge zur physiologischen Wirkung der Kationen, mit besonderer Berücksichtigung ihres Einflusses auf Darmbewegung und Blutdruck. Mitt. Med. Akad. Kioto, 1934, 12: 1381.—Presser, H., & Stahl, R. Untersuchungen über hypodermische Ionenwirkungen auf lebende Gewebe mittels Durchströmung im Tierversuch. Münch. med. Wschr., 1933, 80: 559.—Russo, G. Influenza degli anioni sulla velocità dell'azione smorzatrice degli organi animali e vegetali. Boll. Soc. ital. biol. sper., 1932, 7: 1197-200.—Trabucchi, E. L'azione degli anioni sui vasi. Arch. fisiol. Fir., 1930-31, 29: 88-122.—Tukamoto, R. Ueber den Einfluss des Serums auf die Wirkung einiger Ionen. Fol. jap. pharm., 1925, 1: [Brev.] 22.—Valko, E. I., & DuBois, A. S. Observations on the anti-bacterial action of surface active cations. J. Bact., Balt., 1942, 44: 394.—Winslow, C. E. A. The influence of cations upon bacterial viability. Q. Rev. Biol., 1934, 9: 259-74.

Reactions.

See also Chemistry, analytical; Electrolyte; Salt; Solution.

Cronheim, G. Mikrobestimmung von Ionen in Organen und ähnlichem Material. Biochem. Zschr., 1926, 171: 7-14.—Dunn, W. L., jr. Studies on the behavior of perchinate and molybdate ions at the dropping mercury cathode. Summaries Doct. Diss. Univ. Wisconsin, 1942, 7: 203-5.—Kiss, A. Ueber die Neutralsalzwirkung bei den Ionenreaktionen; über die Neutralsalzwirkung in konzentrierten Salzlösungen. Zschr. phys. Chem., Abt. A, 1932, 160: 290-4.—Pámfil, G. [Increase in precision and simplification of operation in the general analysis of cations] Cluj. med., 1933, 14: 263-73.—Parts, A. Ueber die Neutralsalzwirkung auf die Geschwindigkeit der Ionenreaktionen. Acta Univ. Tartu (1929) 1930, 18: A, No. 2, 1-139. — Bemerkung zu der Arbeit: Ueber die Neutralsalzwirkung bei den Ionenreaktionen von A. von Kiss. Zschr. phys. Chem., Abt. A, 1933, 164: 439-41.—Rossi, L. Una reacción diferencial de coloración de los aniones ortorarsenato y ortofosfato. Sem. méd., B. Air., 1926, 33: pt 1, 245-7. — & Lobo, R. El sozoyodol como reactivo microquímico de los cationes del primer grupo. An. farm. bioquím., B. Air., 1941, 12: 69-71. — Also Prensa méd. argent., 1941, 28: pt 2, 1809.—Rossi, L., Sozzi, J. A. [et al.] Nuestra técnica para el reconocimiento en mezclas de los siguientes aniones: cloruro, bromuro e yoduro. Ibid., 1937, 24: 57.—Rossi, L., & Troncoso, A. Caracterización de cationes en la marcha sistemática empleando reactivos a la gota y al toque. Ibid., 1939, 26: pt 1, 1239-41. — Marcha sistemática de cationes con reactivos a la gota y al toque; IV grupo analítico. Ibid., 1941, 28: pt 1, 97-9.—Santa Cruz, J. Del pH y pH de las disoluciones. Bol. farm. mil., Madrid, 1935, 13: 1: 37; 109; 161; 289.—Smith, L. Ueber die Spezifität der Salzwirkung bei einigen Ionenreaktionen. Zschr. phys. Chem., Abt. A, 1936, 177: 131-57.—Warner, J. C., & Warrick, E. L. Kinetic medium and salt effects in reactions between ions of unlike sign; reaction between ammonium ion and cyanate ion. J. Am. Chem. Soc., 1935, 57: 1491-5.

— Solvation.

See also **Electrolyte; Solution.**

Babrovskiy, G. Die Ionensolvation und ihre Bestimmung. *Zschr. phys. Chem., Abt. A*, 1934, 168: 135-40.—Bourion, F., Rouyer, E., & Hun, O. Détermination cryoscopique de l'hydratation des ions en solution. *C. rend. Acad. sc.*, 1933, 196: 1015-7. — Détermination de l'hydratation individuelle des ions. *Ibid.*, 1937, 204: 1420-2.—Goldschmidt, S., & Hunsberger, A., jr. The diffusion rate of ions as affected by the presence of other ions in a solution. *Abstr. Internat. Physiol. Congr.*, 1929, 13, Congr., 97.—Kendall, J. On the ionic solubility-product. *Proc. R. Soc., Lond.*, 1911, ser. A, 85: 200-19.—Ulich, H. Die Ionensolvation und ihre Bestimmung. *Zschr. phys. Chem., Abt. A*, 1934, 168: 141-6.—Zimmern, A. Hydratation des ions en électrologie. *Bull. Acad. méd., Par.*, 1928, 3, ser., 99: 96.

— Thermodynamics.

Bernhardt, H. A., & Crookford, H. D. The determination of the entropy of the chloride ion. *J. Phys. Chem.*, 1942, 46: 473-6.—Freed, S. Study of the structures of the electric fields about ions in solutions and their relations to chemical thermodynamics. *Yearb. Am. Philos. Soc.* (1940) 1941, 171-3.—Kapustinsky, A. F. (Estimation of ionic radii from entropies) *C. rend. Acad. sc. URSS*, 1941, 32: 59-61.—Latimer, W. M., Pitzer, K. S., & Smith, W. V. The entropies of aqueous ions. *J. Am. Chem. Soc.*, 1938, 60: 1829-31.

IONESCO-MOVILA, V.

See Boreesco, A. C., & Ionesco-Movila, V. *Séméiologie du vertige*. 86p. 23½cm. Par., 1938.

IONESCU, Dimitrie, 1876-1929.

Cantacuzino, I. [Obituary] *Rev. št. med., Bucur.*, 1929, 18: 1173-6.

IONIUM.

See also **Radioactivity; Thorium; Uranium.**

Maisin, J., & Baiy, A. Influence d'instillations répétées d'une solution diluée de nitrate d'ionium sur l'évolution de tumeurs de la corne. *C. rend. Soc. biol.*, 1926, 94: 766.—Pourbaix, Y. Étude des modifications chimiques du sang d'animaux injectés d'un corps radioactif; le nitrate d'ionium. *Ibid.*, 1930, 103: 536-8.—Starik, I. E., & Melikova, O. S. Migration of ionium under natural conditions. *C. rend. Acad. sc. URSS*, 1941, 31: 911-3.

IONIZATION.

See also **Ion; Ionometry; Iontophoresis.**

Boer, J. H. de [Changes in the ionization-energy of an alkali-atom through fixation] *Ned. tschr. natuurk.*, 1935, 2: 273-88.—De Hempinne, A. Sur la terminologie relative aux phénomènes d'ionisation. *C. rend. Congr. internat. radiol. ionis.* (1905) 1906, 1, Congr., sect. phys., French pt. 104-8 [Discussion] p. xlv.—Dörmier, E. La théorie des ions. *Ann. électrob.*, Lille, 1907, 10: 162-70.—Henshaw, P. S. The relation between specific ionization and ionic effectiveness. *Internat. Congr. Campaign Cancer*, 1939, 3, Congr., 13.—LaMer, V. K., & Brescia, F. Electrostatic effects on ionization constants. *J. Am. Chem. Soc.*, 1940, 62: 617-20.—Lind, S. C. Relation between photo-chemical and ionization reactions. *J. Phys. Chem.*, 1928, 32: 573-5.—Mercier-Mary, De l'ionisation cellulaire. *Rev. gén. clin. théér.*, 1928, 42: Annexe 1227-42.—Naidu, R. Ionization in air and in gas mixtures approximating composition of tissues. *Am. J. Roentg.*, 1939, 41: 992-8.—Reciprocals of the amounts of ionisation, produced at widely varying ion densities, which are necessary to produce a given degree of biological response in various test objects. *Annual Rep. Brit. Emp. Cancer Campaign*, 1941, 18: 86.—Richtmyer, F. K. Double ionization of atoms and the Auger effect. *Yearb. Am. Philos. Soc.* (1940) 1941, 234-6.—Walde, A. W. Calculation of heat of reaction from equilibrium constants at two temperatures; some new heats of ionization of organic acids. *J. Phys. Chem.*, 1939, 43: 431-8.

— atmospheric.

See also **Air, Ionization; Cosmic ray; Gamma ray; Ionosphere.**

CHIZHEVSKY, A. L. L'aéroionisation comme facteur physiologique, prophylactique et thérapeutique, et comme un nouvel élément sanitaire-hygiénique de l'air conditionné. 100p. 8°. Helsinki, 1938.

Edström, G. Studies in natural and artificial atmospheric electric ions. 83p. 8°. Lund, 1935.

GUILLON, J. *Contribution à l'étude de l'ionisation atmosphérique. 78p. 25½cm. Par., 1939.

HEYER, H. *Experimentelle und klinische Versuche mit ionisierter Luft [Frankfurt] 25p. 8°. Offenbach, 1934.

SPÖHR, I. *Der Einfluss positiv ionisierter Luft auf Leukozyten- und Thrombozytenzahl [Frankfurt] 26p. 8°. Mannheim, 1932.

Auriac, J. L'ionisation de l'atmosphère à l'émergence des eaux thermales d'Aix-les-Thermes. *J. méd. Bordenx*, 1939, 116: pt 2, 32.—Baldit, A. L'ionisation atmosphérique ou naturelle; les anomalies. *Ann. Inst. hydr., Par.*, 1938-39, 12: 1-30.—Barus, C. Relations of ions and nuclei in dust-free air. *C. rend. Congr. internat. radiol. ionis.* (1905) 1906, 1, Congr., sect. phys., Engl. pt. 39-42.—Béhounek, F., & Kleischka, J. Ionization of air in an air conditioned building. *Nature, Lond.*, 1938, 142: 956.—Boylan, R. K. The mobilities of atmospheric large ions. *Proc. R. Irish Acad.*, 1931, 40: sect. A, 76-85.—Brandt, A. D. The influence of atmospheric ionization upon the human organism. *J. Indust. Hyg.*, 1933, 15: 354-61.—Briganti, A. La salubrità e la morbidità degli ambienti in rapporto ad un nuovo elemento climatico essenziale alla vita: l'aeroionizzazione. *Fol. med., Nap.*, 1939, 25: 319-22.—Chizhevsky, A. L. L'aéroionothérapie des maladies pulmonaires; recherches expérimentales de l'effet de l'air ionisé sur la tuberculose des poumons, la pneumonie et la bronchite. *Presse therm. clim.*, 1929, 70: 653-65.—Studi sperimentali sulla influenza dell'aria ionizzata sulla tubercolosi polmonare. *Gior. fisiol.*, 1930, 8: 29-40.—[Effect of ionized air on resistance of the organism and on the course of pulmonary diseases] *Vrach. delo*, 1931, 14: 37-47.

Die Wege des Eindringens von Luftionen in den Organismus und die physiologische Wirkung von Luftionen. *Acta med. scand.*, 1934, 83: 219-72.

La précipitation des micro-organismes de l'air à l'intérieur des locaux au moyen de l'aéroionisation dans le champ électrique. *Rev. méd. clin., Par.*, 1935, 49: Suppl., 65-7. — Influence de l'inspiration d'air ionisé négativement ou positivement sur le p_{a} du sang. *J. physiol. path. gén.*, 1937, 35: 364-7. — A aéroionisation artificielle como factor da terapia neuro-humoral. *Gaz. clin., S. Paulo*, 1938, 36: 325-36. — Sur les phénomènes pathologiques, se développant à l'inspiration d'air désionisé. *Acta med. scand.*, 1941, 106: 516-39.

Utz, N. K. Observations sur des malades pulmonaires traités à l'air ionisé. *Progr. méd., Par.*, 1931, 1439-49.—Chizhevsky, A. L., & Vassiliev, L. L. L'action physiologique des aéroions et l'électroéchange. *Atti Congr. internat. elettroradiol.*, 1934, 2: 1325-9.—Claude, F. Recherches sur l'ionisation atmosphérique. *Ann. Inst. hydr., Par.*, 1938-39, 12: 339-43.—Constantin. Recherches sur l'ionisation atmosphérique. *Bull. Soc. radiol. méd. France*, 1937, 25: 472-80.—Dauzère, G. L'ionisation de l'air et ses conséquences médicales. *Rev. cosmobiol.*, Nice, 1935-36, 2: 239; 1937-38, 3: 188. — L'ionisation de l'air et ses applications médicales. *Presse therm. clim.*, 1937, 78: 29-32.—Dénier, A. L'aéroionisation négative artificielle en thérapeutique. *Ann. méd. phys.*, Anvers, 1939, 32: 169-71.—Edström, G. [Effect of electric charges of atmospheric ions on nerves and chronaxia] *Sven. läk. tidn.*, 1932, 29: 257-73. — Investigation into the effect of unipolarly charged air on the surface temperature. *Acta med. scand.*, 1934, 83: 523-43.—Faure, M. Nos connaissances actuelles de l'ionisation de l'air au point de vue médical. *Rev. cosmobiol.*, Nice, 1940, 5: 4-11.—Gerke, O. Ueber Luftionisation als Heilfaktor. *Wien. klin. Wschr.*, 1930, 43: 935-39.—Herrington, L. P. The influence of ionized air upon normal subjects. *J. Clin. Invest.*, 1935, 14: 70-80.

Kuh, C. The reaction of hypertensive patients to atmospheres containing high concentrations of heavy ions. *J. Indust. Hyg.*, 1938, 20: 179-87.—Herrington, L. P., & Smith, K. L. The effect of high concentrations of light negative atmospheric ions on the growth and activity of the albino rat. *Ibid.*, 1935, 17: 283-8.—Kimura, S., Asiba, M., & Matusima, I. Influence of air lacking in light ions and the effect of its artificial ionization upon human beings in occupied rooms. *Jap. J. M. Sc.*, 1939-40, 3: Soc. Med. & Hyg. 1-12.—Krebs, A. Künstlich ionisierte Luft als biologisch-medizinischer Faktor. *Balneo-logie*, 1941, 8: 97-102.—Kroupsky, A. I., & Eisenberg. Aéroionothérapie en obstétrique et en gynécologie. *Gyn. obst.*, Par., 1936, 34: 384-98.—Landsman, I. E. [Aero-ionization as a neuro-humoral factor] *Sovet. med.*, 1938, No. 2, 25-8.—Lassablière, P., Uzan, M., & Monnet, A. Quelques modifications physiologiques provoquées chez l'animal par des atmosphères artificiellement ionisées, étude expérimentale. *Presse therm. clim.*, 1939, 80: 46-9.—Leiri, F. Ueber die Wirkung der unipolar ionisierten Luft auf den Organismus. *Acta med. scand.*, 1934-35, 84: 79-89.—Lesgaft, E. A. [Ionization regime in closed quarters and its dependence on hygienic conditions of the air] *Gig. san., Moskva*, 1940, 5: No. 4, 3-7.—Marynowski, Z. [Effect of negatively ionized air on the constitution] *Lek. wojsk.*, 1938, 31: 400-13.—Mercier, P., & Joyet, G. Contribution à l'étude de l'action biologique de l'air ionisé. *Arch. phys. biol.*, Par., 1936, 13: 220-64.—Meyer, W. H. The relation of air ionization to radiation absorbed and the effect on body tissues. *Radiology*, 1935, 25: 198-206.—Nolan, J. J. The influence of condensation nuclei and dust particles on atmospheric ionisation. *Proc. R. Irish Acad.*, 1933, 41 A: 61-9. — The equilibrium of ionisation in the lower atmosphere. *Proc. R. Irish Acad.*, 1940-41, 46: sect. A, 77-90.—Piéry, L. Le problème de l'ionisation de l'atmosphère en climatologie biologique et médicale

Presse méd., 1939, 47: 1431-3.—**Rajewsky, B.** Luftionen und ihre biologische Anwendung. *Strahlentherapie*, 1933, 48: 125-48.—**Romanoff, A. L.** The application of artificially ionized air. *Science*, 1935, 81: 536.—**Rouppert, S.** [Investigation on ionization of the air in the mountain air-conditioned wards of the Military Hospital in Wilno] *Lek. wojsk.*, 1938, 31: 414-24.—**Schorer, G.** Ueber die Einwirkung der Luftelektrizität auf gesunde und kranke Menschen und über Versuche künstlicher Ionisation der Luft. *Schweiz. med. Wschr.*, 1931, 61: 417-25.—**Schulz, L.** Beiträge zur Kenntnis der Luftionen. *Zschr. ges. phys. Ther.*, 1933, 45: 120-45.—**Strasburger, J.** Behandlung mit unipolar beladener (ionisierter) Luft. *Zschr. ges. phys. Ther.*, 1931, 41: 210-4.— & **Lampert, H.** Weitere klinisch-therapeutische Erfahrungen bei der Einatmung negativ ionisierter Luft. *Deut. med. Wschr.*, 1933, 59: 1316-9.—**Striffling.** Electricité, ionisation et radioactivité atmosphériques. *Gaz. méd. France*, 1936, 43: 879-92.—**Van Aubel, E.** L'aéro-ionisation négative comme agent thérapeutique. *Ann. méd. phys.*, Anvers, 1939, 32: 73-7.—**Varishchev, V. K.** [Ionization of the air as hygienic factor of education] *Sovet. pediat.*, 1934, No. 10, 112-6.—**Wait, G. R.** A cause for the decrease in the number of ions in air of occupied rooms. *J. Indust. Hyg.*, 1934, 16: 147-59.— & **Torreson, O. W.** Large-ion and the small-ion content of air in occupied rooms. *Tr. Am. Soc. Heat, Ventil. Engin.*, 1935, 41: 119-30.—**Witz, H. E.** Ueber den Einfluss der Luftionisation. *Fortsch. Med.*, 1935, 53: 308-10.—**Yaglou, C. P.** Observations of physical efficiency in ionized air. *J. Indust. Hyg.*, 1935, 17: 280-2.

— collision [Electron bombardment]

Stevenson, D. P., & Hipple, J. A. Ionization and dissociation by electron impact; normal propyl chloride and tertiary butyl chloride. *J. Am. Chem. Soc.*, 1942, 64: 2766-8.— Ionization and dissociation by electron impact; isobutylene, propane, and propylene. *Ibid.*, 2769-72.—**Whelden, R. M., Buchwald, C. E.** [et al.] Electron bombardment of biological material; the rate of death of fungus spores bombarded in vacuum with cathode ray beams from 4 Kv.-15 Kv. *J. Gen. Physiol.*, 1939-40, 23: 391-400.

— electrolytic.

See **Electrolyte**, **Dissociation**; **Electrophoresis**.

— Gaseous discharge.

See also **Gas**, **Electric properties**; **Ionization**, **atmospheric**.

Both, E. Sättigungsspannungen in ionisierten Gasen. *Strahlentherapie*, 1935, 52: 143-51.—**Emeleus, K. G., & Sayers, J.** Negative ions in discharge tubes. *Proc. R. Irish Acad.*, 1937-38, 44: A, 88-100.—**Zeleny, J.** Ions in gases. *Science*, 1941, 93: 167-72.

— Ionizers.

Dunning, J. R., & Anderson, H. L. High frequency filament supply for ion sources. *Rev. Sc. Instrum.*, 1937, 8: 158.—**Kallmann, H.** Ueber eine neue Anordnung zur Erzeugung schneller Ionen. *Sitzber. Preuss. Akad. Wiss., phys. math. Kl.*, 1933, 451-60.—**Lakhovsky, G.** Ionization by means of the multiple wave apparatus. In *his Radiat. & Waves*, N. Y., 1941, 102-6.—**LeCaine, H., & Wagborne, J. H.** A new ionization amplifier. *Canad. J. Res.*, 1941, 19: Sect. A, 21-6.—**McRae, R. J.** Production of ions. U. S. Patent Off., 1938, No. 2,132,539.—**Manley, J. H., Haworth, L. J., & Luebke, E. A.** Developments in air accelerating tubes. *Rev. Sc. Instrum.*, 1941, 12: 587-90.—**Roffo, A. H., & Roffo, A. E., jr.** La ionización del aire producida por la colestera irradiada con ultravioletas. *Rev. méd. Rosario*, 1936, 10: 1-15. Also *Strahlentherapie*, 1936, 57: 350-3.—**Timoshenko, G.** Characteristics of a strong ion source. *Rev. Sc. Instrum.*, 1938, 9: 187-94.—**Walden, P.** Ueber organische Lösungs- und Ionisierungsmittel. *Zschr. phys. Chem.*, 1906, 55: 207-49; 1907, 58: 479-511; 1907, 59: 192-211; 1908, 61: 633-9.

— Ionizers: Radiation.

See also **Cosmic ray**; **Gamma ray**; **Radiation**; **Roentgen ray**, etc.

Schmidt, E. A. W., & Stetter, G. Die Ionisation einzelner α - und H-Strahlen am Ende der Reichweite. p.123-38. 8°. Wien, 1930.

Heft. 3-4, v. 139 of *Abt. IIa*, 1930, *Sitzber. Akad. Wiss. Wien, math.-naturwiss. Kl.*

Artigas, F. Emission d'un rayonnement ionisant par les cendres totales des végétaux. *C. rend. Acad. sc.*, 1937, 205: 691-4.—**Biological (The) effects of ionising radiations.** *Annual Rep. Brit. Emp. Cancer Campaign*, 1941, 18: 85.—**Cosyns, M. G. E.** Etude de l'ionisation spécifique primaire due au rayonnement cosmique. *Bull. Acad. Belgique*, 1937, 5, ser. 23: 960-72.—**Dale, W. M., Meredith, W. J., & Tweedie, M. C. K.** Mode of action of ionizing radiations on aqueous solutions. *Nature, Lond.*, 1943, 151: 280.—**Failla, G.** Ionization and its bearing on the biological effects of radiation. In

Biol. Effects of Radiat. (Duggar, B. M.) N. Y., 1936, 1: 87-122.— A theory of the biological action of ionizing radiations. *Acta Unio internat. cancer.*, Brux., 1937, 2: 219-26.— Some aspects of the biological action of ionizing radiations. *Am. J. Roentg.*, 1940, 44: 649-64.— Biological effects of ionizing radiations. *Lab. Stud. Mem. Hosp.*, N. Y., 1941, 22: No. 9, 279-95.—**Gray, L. H., & Read, J.** The effect of ionizing radiations on the broad bean root. *Brit. J. Radiol.*, 1942, 15: 11-6; 72-6; 320-36.— [et al.] The biological effects of ionising radiations. *Annual Rep. Brit. Emp. Cancer Campaign*, 1942, 19: 28.—**Kerst, D. W.** Notas sobre la acción biológica de algunas radiaciones ionizantes. *Rev. radiol. fisioter.*, Chic., 1940, 7: 220-7.—**Meiner, L.** Ueber die Ionisierungswahrscheinlichkeit innerer Niveaus durch schnelle Korpuskularstrahlen und eine Methode zu ihrem Nachweis. *Naturwissenschaften*, 1931, 19: 497-9.—**Mohler, F. L., & Taylor, L. S.** The ionization of liquid carbon disulphide by roentgen rays. *Am. J. Roentg.*, 1935, 34: 84-8.—**Picard, H.** Ueber Weg und Wirkungen der Ionisation im Dienste der Therapie; physikalisch-biologische Untersuchungen. *Strahlentherapie*, 1926, 23: 541-76.— Relation between atmospheric pressure and gamma ray ionisation. *Annual Rep. Brit. Emp. Cancer Campaign*, 1941, 18: 66.—**Riehl, N., & Timofeeff-Ressovsky, N., & Zimmer, K.** Mechanismus der Wirkung ionisierender Strahlen auf biologische Elementareinheiten. *Naturwissenschaften*, 1941, 29: 625-39.—**Taylor, L. S.** Ionization of air by Lenard rays. *Radiology*, 1936, 27: 456-62.—**Thoday, J. M., & Lea, D. E.** The effects of ionizing radiations on the chromosomes of *Tradescantia bracteata*; a comparison between neutrons and X-rays. *J. Genet., Camb.*, 1942, 43: 189-210.—**Zirkle, R. E.** Biological effectiveness of alpha particles as a function of ion concentration produced in their paths. *Am. J. Cancer*, 1935, 23: 558-67.— The radiobiological importance of the energy distribution along ionization tracks. *J. Cellul. Physiol.*, 1940, 16: 221-35.

— Potentials.

Brillouin, L. Le modèle d'atome de Fock-Dirac et l'existence de potentiels d'ionisation. *J. phys. radium, Par.*, 1934, 7, ser. 5: 185-92.—**Savard, J.** Potentiels d'ionisation et énergies de formation des molécules non polaires. *C. rend. Acad. sc.*, 1933, 197: 1122-4.—**Sugden, T. M., Walsh, A. D., & Price, W. C.** Ionization potentials of polyatomic molecules. *Nature, Lond.*, 1941, 148: 372.

IONIZATION chamber.

See also **Iontometry**; **Radiation**, **Measurement**; **Roentgen ray**, **Measurement**, etc.

Bobrow, A. *Praktische Erfahrungen mit indirekter und direkter Dosimetrie mittels integrierender Dosimeter (Hammerdosimeter) 15p. 23cm. Bern, 1939.

JANSSEN, K. [E.] *Vergleichende ionometrische Röntgenstrahlenmessungen zwischen Iontoquantimeter nach Wintz und Martius-Ionimeter, zugleich ein Beitrag zur Standarddosimetrie in R-Einheiten [Rostock] 27p. 8°. Gütersloh, 1934.

STEENBECK, M. *Absolute Intensitätsmessung von Röntgenstrahlen [Kiel] p.811-49. 8°. Lpz., 1928.

Also *Ann. Phys., Lpz.*, 1928, 87:

THORÆUS, R. A study of the ionization method for measuring the intensity and absorption of Roentgen rays and of the efficiency of different filters used in therapy. 88p. 8°. Stockholm, 1932.

Alfter. Spektrographische und iontoquantimetrische Messungen an Röntgenapparaten. *Fortsch. Röntgenstrahl.*, 1923, 31: Kongr., 106.—**Aretz, H.** Erfahrungen mit dem neuen Siemens-Momentan-Dosimeter. *Strahlentherapie*, 1935, 53: 536-42.—**Bearden, J. A.** Radioactive contamination of ionization chamber materials. *Rev. Sc. Instrum.*, 1933, n. ser., 4: 271-5.—**Behnken.** Gemeinsame Richtlinien der nationalen Laboratorien für die Eichung von Röntgendosimetern. *Strahlentherapie*, 1934, 50: 364-8.— & **Jaeger, R.** Die Eichung von Röntgen-Dosimetern mit Radium. *Ibid.*, 1928, 29: 483-502.—**Braun, R., & Küstner, H.** Zur Physik der Fingerhutkammer. *Ibid.*, 1929, 32: 550-81; 739-58; 1929, 33: 273-95.—**Brenzinger, M.** A new device for charging electroscopes and iontoquantimeters. *J. Radiol.*, 1924, 5: 241.—**Casati, A.** Sopra un nuovo iontoquantimetro: il Mekapion di Strauss. *Arch. radiol. Nap.*, 1928, 4: 442-7.—**Chalmers, T. A.** A new instrument for the measurement of ionising radiations. *Brit. J. Radiol.*, 1934, 7: 755-63; 1935, 8: 479.—**Chaoul, H.** Das Jontodosimeter; ein direkt zeigendes Dosimeter für Röntgenstrahlen. *Fortsch. Röntgenstrahl.*, 1926, 34: 162-5.— Ueber Dosimetrie in der Röntgentherapie und über ein direktzeigendes Dosimeter. *Münch. med. Wschr.*, 1926, 73: 518-20.—**Coliez, R.** Sur quelques

- causes d'erreur des mesures ionométriques en radiothérapie. *J. radiol. électr.*, 1923, 7: 267-70.—**Crowther, J. A.** The ionisation method of X-ray measurement. *Brit. J. Radiol.*, 1929, n. ser., 2: 175-87.—**Dauvillier, A., Laborde, A., & Saget, J.** Sur la réalisation de l'unité r internationale et l'étalonnage absolu des dosimètres radiologiques. *J. radiol. électr.*, 1929, 13: 433-51.—**Declairfayt, C., & Van Niftrik, J.** Contributo alla quantitometria radioterapica: un metodo di radiodensimetria assoluta. *Actinoterapia, Nap.*, 1928, 7: 10-8.—**Delsasso, L. P., & Warner, A. H.** A rugged, direct-reading intoquantimeter of high sensitivity. *Radiology*, 1931, 16: 39-43.—**Dershem, E., Rovner, L. E., & Perry, S. P.** A modified standard ionization chamber system. *Am. J. Roentg.*, 1937, 37: 242-6.—**Dorneich, M.** Ueber die Volumabhängigkeit der Messangabe der kleinen Ionisationskammer. *Fortsch. Röntgenstrahl.*, 1938, 57: 189-99.—**Duane, W., & Lorenz, E.** Standard-Ionisationskammer für Messungen der Röntgenstrahlendosis. *Ibid.*, 1928, 37: 691-6.—**Failla, G.** Criteria for the design of a standard ionization chamber. *Am. J. Roentg.*, 1929, n. ser., 21: 47-63.—**Frank, J.** Ein Röntgenmeter für kleine Strahlenintensitäten. *Strahlentherapie*, 1934, 50: 687-92.—**General recommendations of the national laboratories for the standardisation of x-ray dosimeters.** *Brit. J. Radiol.*, 1934, n. ser., 7: 304-8.—**Glasser, O.** Die kleine Ionisationskammer. *Strahlentherapie*, 1935, 52: 137-42.—**Victoreen, J.** The thimble ionization chamber. *Radiology*, 1937, 29: 341-51.—**Glocker, R.** Eichung von Röntgendosimetern in Württemberg. *Med. Korbl. Württemberg*, 1926, 96: 23.—**Kaupp, E.** Ueber einen bezug auf die R-Einheit von der Qualität der Strahlung unabhängige Fingerhutkammer und über die Messung der Strahzusatzdosis im Wasserphantom. *Strahlentherapie*, 1926, 23: 447-62.—**Greinacher, H.** Das Jonometer und seine Verwendung in der Röntgendosimetrie. *Münch. med. Wschr.*, 1914, 61: 1778.—**Hansen, H. M.** [Bastrup-Johnson's Röntgen dosimeter] Hospitalstidende, 1927, 70: 903-6.—**Hecker, H. von.** Kurze Mitteilung über Messungen mit dem Ionimeter nach Grebe-Martius. *Münch. med. Wschr.*, 1927, 74: 26.—**Henschke, U.** Ueber die Abhängigkeit des Ionisationsstromes vom Volumen bei kleinen Kammer. *Strahlentherapie*, 1938, 62: 614-38.—**Hirsch, H.** Das Mekapiondosimeter im praktischen Röntgenbetriebe. *Ibid.*, 1927, 26: 207-10.—**Jona, M.** Vergleich der Radium- und Röntgendosis mit einem Röntgendosimeter. *Ibid.*, 1929, 32: 775.—**Leistner, K.** Untersuchungen an Röntgendosimetern. *Beitr. klin. Chir.*, 1926, 136: 175-9.—**Jones, H. I.** Ionisation chambers for x-ray dosage measurement. *Brit. J. Radiol.*, 1935, 8: 318-32.—**Juris, K.** Ein direkter Kontrollstandard für Kleinkammerdosimeter. *Fortsch. Röntgenstrahl.*, 1938, 57: 50-3.—**Juul, J., & Ambrosen, J.** [Pocket dosimeter as protective measure] Hospitalstidende, 1936, 79: [Dansk radiol. selsk. forh., 8-10.—**Kaye, G. W. C., & Bell, G. E.** A portable direct-reading x-ray dosage-rate meter. *Brit. J. Radiol.*, 1935, 8: 467-78.—**Kronhaus, A. N.** [Copper oxide dosimeter for roentgen rays] *Vest. rentg.*, 1936, 16: 468-72.—[On the application of small ionization chambers for the determination of integral doses] *Ibid.*, 1939, 23: 41-5.—**Küstner, H.** Die Rolle der grossen und der kleinen Ionisationskammer bei der Röntgenstrahlenmessung. *Fortsch. Röntgenstrahl.*, 1929, 40: 603-28.—**Präzisionsmessung der Luftionisation durch Röntgenstrahlen verschiedener Härte und Homogenität in Fasskammern von kleinstem bis grösstem Ausmass.** *Strahlentherapie*, 1931, 42: 337-42.—Das neue Präzisionsdosimeter für Haut und Tiefentherapie. *Verh. Deut. Röntg. Ges.*, 1933, 26: 57.—**Love, W. H., & Smith-White, W. B.** Field distortion in the standard ionisation chamber. *Brit. J. Radiol.*, 1936, 9: 51-8.—**Merchant, A. K.** The advantages and disadvantages of large chamber measuring apparatus. *Radiology*, 1933, 21: 123-5.—**Meyer, H.** Das Jontoquantimeter, ein neues Messgerät für Röntgenstrahlen. *Zbl. Gyn.*, 1914, 38: 1425-31.—Ueber Wellenlängenabhängigkeit kleiner Ionisationskammern. *Strahlentherapie*, 1931, 40: 576-89; 1931, 41: 185-96; 309-20.—**Miehlhnickel, E.** Untersuchungen über den Wirkungsmechanismus der kleinen Ionisationskammer. *Ibid.*, 1935, 54: 348-58.—**Rajewsky, B.** Ueber schattenlose Kugelionisationskammern. *Ibid.*, 1934, 50: 499-515.—**Mühlmann.** Fernauf-ladevorrichtung für das Ionometer von Wulff. *Fortsch. Röntgenstrahl.*, 1927, 36. Kongr. [Beih.] 78-80.—**Obladen, P.** Ein fahrbares Untergestell für das Wasserphantom des Siemens-Röntgen-Dosimeters. *Ibid.*, 1926, 34: 171.—**Packard, C.** A biological calibration of an X-ray dosimeter. *J. Cancer Res.*, 1930, 14: 134-43.—**Psychlau, H.** Zur Frage der Radiumkontrolle bei Dosimetern mit Kleinkammer. *Strahlentherapie*, 1937, 59: 352-4.—**Quinton, A.** The effect of temperature, pressure and humidity of the air on ionisation measurements using small air-wall chambers. *Brit. J. Radiol.*, 1936, 9: 313-23.—**Reinhard, M. C.** A note on the use of clinical dosage meters using a thimble ionization chamber. *Radiology*, 1939, 32: 282.—**Rocky, C. N.** A new, simple and compact x-ray meter. *Brit. J. Radiol.*, 1935, 8: 481-6.—**Rosenfeld, P., & Melchart, F.** Ueber eine leichterstellbare Art von richtungs-unabhängigen kleinen Ionisationskammern und ihre Verwendbarkeit in der Röntgendosimetrie. *Strahlentherapie*, 1935, 52: 307-26.—**Roth, E. J. H.** The Mecapion, an ionisation apparatus for the absolute measurement of X-ray dose. *Brit. J. Radiol.*, 1930, n. ser., 3: 155-60.—**Schneider, G. H.** Zur Erhöhung der Genauigkeit der Röntgenstrahlen-Messergebnisse am Jontoquantimeter. *Strahlentherapie*, 1926-27, 24: 715-8.—**Schubert, E. von.** Das Ionognom als Universalmessgerät in Verbindung mit den Tabellen von Grebe und Nitzge. *Ibid.*, 1934, 49: 150-4.—**Schubert, M.** Das Küstner-Universaldosimeter als Messgerät für die Oberflächentherapie. *Ibid.*, 1933, 47: 359-63.—Das Ionognom, ein geeignetes Dosierungsgerät für die Oberflächentherapie. *Ibid.*, 733-7.—**Seuderling, Y.** A sensitive detector for ionizing radiation. *Acta Soc. med. Duodecim*, 1939, 21: Ser. A. No. 5, 1-12.—**Sievert, R. M.** Dosage units and the ionisation method. *Acta radiol.*, Stockh., 1937, 18: 742-52.—**Smereker, H.** Untersuchung der Strahlungsintensität in der Nähe radioaktiver Präparate mit dünnwandigen Ionisationskammern. *Strahlentherapie*, 1937, 58: 267-85.—**Solomon, I.** The necessity for standardizing ionization chambers. *Am. J. Phys. Ther.*, 1927-28, 4: 153-6.—Sur l'étalonnage des ionomètres en unités r. *Bull. Soc. radiol. méd. France*, 1935, 23: 559-63.—**Spiegler, G.** Zur Messung grosser Röntgenstrahlenintensitäten mit integrierenden Kleinkammerdosimetern. *Strahlentherapie*, 1934, 49: 304-8.—Zur direkten Kontrolle der Kleinkammerdosimeter. *Fortsch. Röntgenstrahl.*, 1938, 57: 46-6.—**Juris, K.** Die Kontrolle der Konstanz von Kleinkammerdosimetern. *Strahlentherapie*, 1935, 54: 174-81.—**Strauss, S.** Das Mekapion, ein neuer integrierender Röntgendosiszähler mit Selbstkontrolle. *Wien. med. Wschr.*, 1926, 76: 1402.—Praktische Dosimetrie mit dem Mekapion. *Strahlentherapie*, 1926-27, 24: 752-6. Also *Klin. Wschr.*, 1927, 6: 46.—Der Dosiszähler Mekapion und seine Messgenauigkeit. *Fortsch. Röntgenstrahl.*, 1927, 36. Kongr. [Beih.] 87-9. Also *Strahlentherapie*, 1927, 26: 200-6.—Der Röntgendosiszähler Mekapion, seine Verlässlichkeit und Konstanz. *Acta radiol.*, Stockh., 1928, 9: 482-96.—[Mekapion, integrating dosimeter for roentgen rays] *Vest. rentg.*, 1931, 9: 312-7.—Das Dositron. *Fortsch. Röntgenstrahl.*, 1934, 49: 310.—**Taylor, L. S.** The calibration of the Fingerhut ionization chamber. *Radiology*, 1930, 15: 227-40.—The measurement of x-rays with liquid ionization chambers. *Ibid.*, 1937, 29: 323-8.—**Singer, G.** An improved form of standard ionization chamber. *Ibid.*, 1930, 15: 637-46.—Further studies of the X-ray standard ionization chamber diaphragm system. *Ibid.*, 1931, 17: 104-12.—Air density corrections for temperature and pressure applied to x-ray ionization chambers. *Ibid.*, 1934, 23: 404-9.—Note on the guarded field x-ray ionization chamber. *Ibid.*, 1936, 26: 322-5.—**Thoraeus, R.** A small ionisation chamber able to serve as a portable substitute for a standard chamber. *Acta radiol.*, Stockh., 1941, 22: 260-7.—**Treloar, L. R. G.** Investigation of an ionisation chamber for X-ray measurements. *Brit. J. Radiol.*, 1929, n. ser., 2: 188-95.—**Walbridge, N. L.** A calculation of the error due to the absence of guard electrodes in X-ray ionization chambers. *Rev. Sc. Instrum.*, 1941, 12: 546-8.—**Wood, F. C.** A biological ionization chamber. *Radiology*, 1929, 22: 461-71.—**Wucherpfennig, V.** Tablette ionisationsmessgerät zur Dosierung in der Röntgenoberflächentherapie? *Derm. Wschr.*, 1934, 98: 265-70.—Ueber den heutigen Stand der Dosierung mit Ionisationsinstrumenten in der Röntgen-Oberflächentherapie. *Ibid.*, 365-9.
- ### IONIZATION gauge.
- See also Vacuum, Measurement.
- Bowie, R. M.** An ionization gauge circuit. *Rev. Sc. Instrum.*, 1940, 11: 265-7.—**Gueben, G.** Dispositif à triodes pour la mesure de courants d'ionisation. *J. radiol. électr.*, 1931, 15: 553-60.—**Morse, R. S., & Bowie, R. M.** A new style ionization gauge. *Rev. Sc. Instrum.*, 1940, 11: 91-4.—**Nelson, R. B., & Wing, A. K., jr.** Emission-regulating circuit for an ionization gauge. *Ibid.*, 1942, 13: 215-7.—**Rainwater, J.** A stabilized ionization gauge circuit with vacuum tube voltmeter. *Ibid.*, 118-22.—**Ridenour, L. N.** Magic eye ionization gauge. *Ibid.*, 1941, 12: 134-6.—**Lampson, C. W.** Thermionic control of an ionization gauge. *Ibid.*, 1937, 8: 162-4.
- ### IONONE.
- See also Terpene.
- Gould, R. G., jr. & Thompson, A. F., jr.** The synthesis of certain unsaturated compounds from beta-ionone and tetrahydroionone. *J. Am. Chem. Soc.*, 1935, 57: 340-5.
- ### IONOSPHERE.
- See also Cosmic ray; Ionization, atmospheric; Radio.
- Booker, H. G.** The application of the magneto-ionic theory to the ionosphere. *Proc. R. Soc., Lond.*, 1935, ser. A., 150: 267-86.—**Darrow, K. K.** Introduction to the ionosphere. *Proc. Am. Philos. Soc.*, 1940, 83: 429-45.—**Dieminger, W.** Neue Ergebnisse der Ionosphärenforschung. *Umschau*, 1940, 44: 37-40.—**Eckersley, T. L.** Holes in the ionosphere and magnetic storms. *Nature*, Lond., 1942, 150: 177.—**Fuchs, J.** Die gas- und elektronenrheologischen Vorgänge in der F-Region der Ionosphäre. *Refer. Internat. Kongr. Kurzwellen*, 1937, 1. Kongr., 25-8.—**Grotian, W.** Sonne und Ionosphäre. *Naturwissenschaften*, 1939, 27: 555; 569.—**Hulbert, E. O.** The ionosphere. *Sci. Month.*, 1939, 48: 421-30.—**Investigations of the ionosphere and its relation to problems of terrestrial**

magnetism. Yearb. Carnegie Inst. Washington (1939-40) 1940, 39: 77.—**Ionosphere** storms and radio transmission between North America and Europe. J. Franklin Inst., 1940, 230: 395.—**Mohler, F. L.** The correlation between ionization in the ionosphere and sun-spot numbers. Science, 1939, 90: 137.—**Rakshit, H., & Bhar, J. N.** Some observations on the C regions of the ionosphere. Nature, Lond., 1936, 138: 283.—**Ranzi, I.** Dispositivo per osservazioni sull'altezza dello strato di Heaviside col metodo della eco. Boll. Soc. eustach., 1931, 29: 131-36.—**Wilkes, M. V.** The theory of reflexion of very long wireless waves from the ionosphere. Proc. R. Soc., Lond., ser. A, 1940, 175: 143-63.—**Zenneck, J.** Die Erforschung der Ionosphäre. Refer. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 17-21.

IONOMETRY.

See also **Ionization chamber**.

Braun, O. Fehlerquellen bei ionometrischen Messungen. Fortsch. Röntgenstrahl., 1924-25, 32: Kongr., 43-5.—**Failla, G.** The measurement of tissue dose in terms of the same unit for all ionizing radiations. Radiology, 1937, 29: 202-15. — & **Marinelli, L. D.** The measurement of the ionization produced in air by gamma rays. Am. J. Roentg., 1937, 38: 312-43.—**Faure**. Note sur la mesure de l'ionisation naturelle. Presse therm. clim., 1939, 80: 500.—**Flexser, L. A., Hammett, L. P., & Dingwall, A.** The determination of ionization by ultraviolet spectrophotometry; its validity and its application to the measurement of the strength of very weak bases. J. Am. Chem. Soc., 1935, 57: 2103-15.—**Gunsett, A., & Nouréttine, O. C.** Etudes ionométriques sur la dose additionnelle de diffusion. J. radiol. électr., 1930, 14: 551-8.—**Hess, P.** Die Ionisationsdosimetrie in der Oberflächentherapie. Röntgenpraxis, 1932, 4: 748.—**Langer, L. M., & Cox, R. T.** A directionally selective ion-counter. Rev. Sc. Instrum., 1936, 7: 31-33.—**Maricq, L.** Contribution à l'étude du contrôle ionométrique des médicaments. C. rend. Congr. internat. pharm., 1935, 12. Congr., 453-71.—**Ponizio, M.** Ionometrische Messungen in inhomogenen Absorptionsmitteln. Strahlentherapie, 1929, 32: 163-80.—**Pychlau, Nouveau procédé de contrôle par le radium dans les dosimètres.** Bull. Soc. radiol. méd. France, 1936, 24: 550-5.—**Quivy, J.** Les mesures ionométriques sont-elles l'expression de l'action biologique des rayons X? Ibid., 1936, 24: 550-5.—**Seino, Y.** Isolation bei elektrostatischen Dosismessern in feuchtwärmer Luft. Fundam. radiol., Berl., 1939, 4: 101-14.—**Sievert, R. M.** Determination of ionisation in biological objects. Acta radiol., Stockh., 1940, 21: 189-205.—**Simons, J. H., Francis H. T.** [et al.] An apparatus for the measurement of the scattering of low velocity ions in gases at low pressure. Rev. Sc. Instrum., 1942, 13: 419-26.—**Solomon, I.** Nouvelles recherches ionométriques. J. radiol. électr., 1931, 15: 132-41.—**Thoreaus, R.** Ionisation measurements of the Roentgen ray output from tubes at different voltages and with different focal distances. Acta radiol., Stockh., 1933, 14: 615-22.—**Wataghin, G.** On the application of the iconoscope to the observation of ionising particles. Ann. Acad. brasil. sc., 1941, 13: 15.—**Wooster, W. A., & Martin, A. J. P.** An automatic ionization spectrometer. Proc. R. Soc., Lond., 1936, ser. A., 155: 150-72.

IONTOPHORESIS.

See also **Electric conductance**, biological; **Electrocataphoresis**; **Electrotherapy**.

Dyson, J. N. The practice of ionization. 178p. 8° Lond., 1936.

FREYMUTH, H. [W. L.] *Versuch einer kritischen Würdigung der Elektrophorese und ihrer Bedeutung für die moderne Therapie [Zürich] 27p. 20½cm. Berl., 1939.

GIDON, F. Précis de l'ionothérapie électrique. 92p. 8° Par. [1929]

ROUSSEAU, P., & NYER, P. La pratique de l'ionisation: applications médico-chirurgicales. 167p. 8° Par., 1931.

SCHOLDERER, H. *Zur Frage der medizinischen Elektrophorese. 27p. 8° Greifsw., 1929.

Baum, J. Ueber Elektrophorese (Kataphorese und Iontophorese) Arch. Derm. Syph., Lpz., 1907, 84: 35-58.—**Bernard, P. D.** L'iontophorese au Congrès de Vienne. Rev. odont., Par., 1937, 58: 355-64.—**Desfosses & Martinet.** A therapeutica ionica. Porto med., 1907, 4: 22-4.—**Dutton, W. F.** Ionic medication. Clin. M. & S., 1935, 42: 386-9.—**Echtman, J.** Ionization. Med. Rec., N. Y., 1934, 139: 334.—**Escalante, D. C.** Ionización. Arch. Hosp. Rosales, S. Salvador, 1908, 3: 364-77.—**Frankenhauser.** Sur l'état actuel de l'ionophorese (thérapeutique électrolytique) Arch. électr. méd., 1913, 13: 267-72.—**Gasparini, C. G.** Contributi agli studi dell'ionoterapia elettrica. Riv. idr. clim., 1929, 40: 104-16.—**Harpuder, K.** Electrophoresis in physical therapy. Arch. Phys. Ther., 1937, 18: 221-5.

Electrophoretic therapy. Digest Treat., Phila., 1937-38, 1: 885.—**Electrophoretic therapy: problems and value.** N. York State J. M., 1938, 38: 176-80.—**Henssge, E.** Neue Erfahrun-

gen mit Iontophorese. Zschr. ges. Neur. Psychiat., 1933, 144: 613-6.—**Ion transfer, iontophoresis.** Physiother. Rev., 1941, 21: 314.—**Kantala, J.** [Iontophoresis] Duodecim. Helsinki., 1938, 54: 893-904.—**Klumpp, T. G., & Carter, Ft. A.** Ion transfer, iontophoresis. Arch. Phys. Ther., 1941, 22: 490-2.—**Kovács, R.** Ionic medication. Physiother. Rev., 1936, 16: 89.—**Ionization.** In Cyclop. Med. (Piersol-Bortz) Phila., 1937, Serv. Vol., 951-6.—**Levent, R.** Principes généraux de l'ionothérapie médicamenteuse; ionisation et électrolyse. Gaz. hôp., 1929, 102: 1868-70.—**MacGregor, A.** The present position with regard to ionisation, with some indication of the technique and uses of this method. Brit. J. Actinother., 1930, 5: 48; 64.—**Moggi, B.** Ionoterapia. Riv. radiol., 1930, 2: 554-63.—**Morse, F. H.** Ionic medication. Arch. Phys. Ther., 1929, 10: 397-402.—**Namiki, S., Morita, S., & Sekiguti, Y.** Ueber Iontophorese. Jap. J. Derm. Urol., 1933, 34: 10.—**Rutenbeck, H.** Ueber medikamentöse Elektrophorese. Ther. Gegenwart, 1936, 77: 534-9.—**Torrison, F. C.** Ionization. Physiother. Rev., 1936, 16: 236.—**Tuffier, T., & Mauté, A.** A propos des médications ioniques. C. rend. Soc. biol., 1907, 62: 64-6.—**Vandever, H. F.** Ionization. J. Oklahoma M. Ass., 1931, 24: 302.

Accidents and untoward effects.

Dobrokhotova, E. A. [Skin reaction in man in iontophoresis of a mixture of incompatible pharmacological agents] Fizioterapia, Moskva, 1941, 10-4.—**Molitor, H., & Fernandez, L.** Studies on iontophoresis; experimental studies on the causes and prevention of iontophoretic burns. Am. J. M. Sc., 1939, 198: 778-85, pl.

Apparatus.

Macfarlan, D. Ionization: circuit plans for an inexpensive unit. Arch. Otol., Chic., 1935, 21: 456-8.—**Pothoven, W. J.** [Unusual application of ionokintron] Ned. tsehr. geneesk., 1939, 83: 4308-15.—**The ionokintron and the method of zinc ionisation in otology.** Acta otolar., Stockh., 1940, 28: 355-63.

Indications.

See also under names of diseases as **Otitis media**; **Rheumatism**, etc.

BEYER, H. *Considérations sur l'ionisation en otologie. 32p. 23½cm. Par., 1939.

Bos, K. *De iontophorese in de oogheelkunde [Groningen] 95p. 8° Assen [1929]

BRUKER, M. Les applications thérapeutiques des ions. 82p. 8° Par., 1917.

NYER, P. *Les applications médico-chirurgicales de l'ionisation ou diélectrolyse. 167p. 8° Par., 1930.

PUYAUERT, J. *Effets de l'ionisation sur quelques dermatoses, 64p. 8° Par., 1929.

ULRICH, R. *Die Iontophorese und ihre Anwendung in der Zahnheilkunde. 43p. 8° Freib. i. B., 1933.

Astier, A. Ionothérapie électrique; principes indications, Marseille méd., 1931, 68: 521-32.—**Balzano, I.** Sulla ionoforesi in otologia. Boll. mal. orecchio, 1935, 53: 238-53.—**Bernard, P. D.** Principe et technique de l'ionophorese dentaire. Rev. odont., Par., 1931, 52: 188-201.—**Cahill, A. J.** Electric ionization in oto-rhinology. Med. J. Australia, 1928, 2: 288-96.—**Cawadias, A. P.** Electrical iontophoresis: special indications and technique. Brit. J. Phys. M., 1938, n. ser., 1: 11-6.—**Cordingley, E. W.** Ionic medication in vaso-spastic and arthritic states. J. Nat. Ass. Chiropr., 1937, 27: No. 3, 10-2.—**Ehrenwald, H.** Die Elektrophorese in der Neurologie. Fortsch. Neur. Psychiat., 1936, 8: 160-7.—**Ueber kranio-zerebrale Iontophorese; Indikationsstellung und therapeutische Ergebnisse.** Wien. med. Wschr., 1936, 86: 265; 290.—**Erlanger, G.** On the scientific and practical value of ionization in ophthalmology; recent advances and researches. Brit. J. Ophth., 1936, 20: 213-29. Also Vet. J., Lond., 1936, 92: 280-90, 4 pl.

Iontophoretic medication in ophthalmology; theoretic and practical aspects. Arch. Phys. Ther., 1939, 20: 16-24.—**Fabre, M.** A propos de l'ionisation en thérapeutique gynécologique. Rev. fr. gyn. obst., 1933, 28: Suppl., 609-14.—**Fietta, P.** De la valeur de l'iontophorese en ophtalmologie. Ann. ocul., Par., 1932, 169: 613.—**Forton, M.** Ionothérapie électrique et orthopédique. Bordeaux chir., 1931, 2: 366.—**Garcia Donato, J., & Garcia Donato, V.** La ionoterapia eléctrica en las afecciones producidas por el estafilococo, y especialmente por el antrax. Progr. clín., Madr., 1929, 37: 785-8.—**Harkness, G. F.** Why I have not used iontophoresis. Ann. Otol. Rhinol., 1937, 46: 169-73.—**Katz, R. A.** [Triads and rationalizing iontophoresis in the physiotherapy of the eye] Sovet. vest. oft., 1933, 3: 261-5.—**Kellner, E.** Elektrolyse oder Iontophorese? Zschr. Stomat., 1937, 35: 1273-8.—**Kovács, J.** Wesen und Anwendung der Elektrophorese. Klin. Wschr., 1935, 14: 969.—**Kovács, R.** Newer aspects of iontophoresis for arthritis and circulatory disturbances. Arch. Phys. Ther., 1934, 15: 593-8.—**Kulikov, M. V.** [Ionic compensation in the body in

inflammation and cancerous diseases] Mosk. med. J., 1926, 6: No. 10, 1-7.—**Laquerrière & Lehmann, R.** La technique et les indications de l'ionothérapie. Rapp. Congr. internat. physiothér., 1930, 5. Congr., Sect. 4, No. 2, 16-22.—**Leduc, S.** Ionisation destructive: ses indications, ses résultats immédiats. *Ann. otolaryng.*, 1910, 3. Congr., 164-74.—**Levant, H. L.** The use of iontophoresis. Arch. Phys. Ther., 1935, 16: 552-5.—**McCurdy, G. J.** Electric ionization in oto-rhinology. Rhode Island M. J., 1931, 14: 151-4.—**Michajlowsky, S.** Zur Frage der Ionto-Elektrotherapie des Ohres, der Nase und des Kehlkopfes. Otolaryng. slaw., Praha, 1932-33, 4: 306-8.—**Morisot.** L'ionisation appliquée au traitement des affections oculaires. Clin. opht., Par., 1927, 31: 380.—**Neoussikin, B.** [The treatment of chronic diseases by ionisation] Har-uhah, Tel Aviv, 1942, 23: 74.—**Nijkerk, M.** [Treatment of keloids, Dupuytren's contracture and scleroderma with iontophoresis] Ned. tscr. genesesk., 1939, 83: 5135-40.—**Paulian, D. E., & Bistriceanu, I.** [Electro-ionic therapy in diseases of the nervous system] Rev. st. med., Bucur., 1929, 18: 152-62.—**Pece, L.** La electroforosis central y periférica en neurología. Actas Jornad. neuropsiquiátr. panam., (1939) 1940, 2. reün., 2: [Discussion] 36.—**Picher, H. F.** Metallic ionization in gynecology. Am. J. Electrother., 1918, 36: 307-13.—**Prader, F.** Die Indikation zur Iontophorese. Schweiz. Mschr. Zahnk., 1939, 49: 704-24, 3 pl.—**Raszeja.** Technique et indications de l'ionisation. Rapp. Congr. internat. physiothér., 1930, 5. Congr., Sect. 4, No. 3, 23-8.—**Rutenbeck, H.** Studien über Wesen und Anwendung der Elektrophorese. Klin. Wschr., 1935, 14: 228-32.—**Shaffer, L. W.** Ionic medication in dermatology; principles experimental confirmation and clinical application. Arch. Derm. Syph., Chic., 1931, 23: 287-308.—**Stout, P. S.** The value of ionization in nose, throat and ear conditions. Med. World, 1938, 56: 36-8.—**Waternan, N.** Some therapeutic measures founded upon the colloid theory of malignant tumor. In Colloid Chem. (Alexander, J.) N. Y., 1928, 2: 911-5.—**Wunsch, G.** Heilversuche bei Pferden mit Hilfe der Iontophorese. Zschr. Veterinärk., 1939, 51: 100-14.—**Zimmern, A.** L'ionisation et ses applications analgésiques. Rev. actin., Par., 1929, 5: 11-32.

— Methods.

See also **Diectrolysis**; also names of substances used as **Zinc**, etc.

BURDICK CORPORATION. Report on cases treated by the Warwick ionization method. 15 l. 4°. Milton, 1935.

FIESCHI, F. Iontothérapie électrique et haute fréquence. 159p. 8° Par., 1933.

Baker, F. Indications and technique of iontophoresis. Arch. Phys. Ther., 1939, 20: 197-207.—**Baliotti, L.** La ionoterapia transcutanea e una nuova tecnica di applicazione. Cervello, 1936, 15: 114-7.—**Boerner, L.** Technik of acetyl-beta-methylcholine chloride iontophoresis, common ion transfer. Physiother. Rev., 1937, 17: 12-4.—**Bourguignon, G.** L'ionisation ou électrolyse médicamenteuse ou diélectrolyse d'iode et de calcium. J. méd. chir., Par., 1928, 99: 783-804. — Nouvelles techniques d'introduction électrolytique d'ions; la diélectrolyse ou ionisation d'iode et de calcium. Rev. actin., Par., 1929, 5: 180-227. — Nouvelles expériences sur la diélectrolyse transcutanée; modification de la technique générale de la diélectrolyse en électrothérapie. Ibid., 1932, 8: 103-35.—**Brünner-Ornstein, M.** Ueber neuere Methoden der Iontophorese. Wien. klin. Wschr., 1935, 48: 822-4.—**Bunch, C. C.** The principles of electric current in iontophoresis. Tr. Am. Laryng. Ass., 1936, 42: 441-4.—**Campbell, A.** Ionisation in the nose; a new technique. J. Lar. Otol., Lond., 1928, 43: 98-102.—**Dalma, G.** Un nuovo metodo d'introduzione vitale e non vitale di sostanze coloranti nel tessuto: la cromoforesi elettrogalvanica. Riv. pat. nerv., 1934, 43: 241.—**Delacroix.** L'ionisation thermique. Bull. Soc. méd. Paris, 1935, 256-62. Also Presse therm. clim., 1935, 76: 320-4. Also Rev. méd. Nancy, 1939, 67: 483-7.—**Ehrenwald, H.** Ueber kranio-cerebrale Iontophorese. Klin. Wschr., 1935, 14: 632-7. — Cranio-cerebral ionization. Brit. J. Phys. M., 1942, 5: 172-4.—**Erlanger, G.** Elektrische Einverleibung von Pharmaka (Iontophorese) ins Auge. Jahrbuch, ärztl. Fortbild., 1932, 23: H. 11, 22-37.—**Grechenin, V. A.** [Methods of deep ionotherapy] Tr. Vsesoiuz. sezd. fizioter., 1927, 2: 98-101.—**Jacoby, A., & DerBrucke, M. G.** Vaginal iontophoresis of a choline compound. Am. J. Obst., 1942, 44: 250-8.—**Kähler, K.** Ueber klinische Ionisierung durch Zerstäuben von Flüssigkeiten. Beitr. Klin. Tuberk., 1937, 89: 307-10.—**Kellner, E.** Zur Iontophorese. Zschr. Stomat., 1936, 34: 1503-7.—**Kerangal, Y. de.** Thermions métalliques et sinusites, thermions métalliques et stérilisation des porteurs de bacilles de Loeffler. J. méd. Paris, 1936, 56: 423-7.—**Laquerrière & Lehmann, R.** La technique et les indications de l'ionothérapie. Arch. électr. méd., 1930, 38: 457-62.—**Linton, L. D.** Intramuscular tests before and after iontophoresis. Tr. Am. Lar. Rhin. Otol. Soc., 1936, 42: 448-52.—**Mathieu, P.** La diélectrolyse, ou ionisation; technique générale. Rev. physiothér., Par., 1939, 15: 9-12.—**Piga, A., & Ortega, D.** Un nuevo metodo de terapéutica física; la diatermo-ionización. An. Hosp. S. José, Madr., 1930-31, 2: 168-70.—**Rosicky, H.** Die Applikation radioaktiver Elemente durch Iontophorese. Strahlentherapie, 1933, 47: 754-8.—**Seiter, C.** La pratique de l'ionisation en oto-rhino-laryngologie. Ann. otolaryng., Par., 1935, 168-83.—**Warwick, H. L.** Further

report on intra-nasal ionization in the treatment of hay fever, food allergy and asthma. Mississippi Doctor, 1936-37, 14: No. 7, 56-60.

— Pharmacology.

ELIOPOULOS, S. Action de la diélectrolyse trans-cérébrale des ions Mg, Ga, K, I et Cl sur les centres vasomoteurs cérébraux. 176p. 8° Par., 1931.

FIGUEROA BODY, E. *Contribución al estudio de la ionización yódica y cálcica. 73p. 8° Santiago, 1929.

ICKOWICZ, M. *Etude comparée des effets de diverses substances introduites dans l'organisme par injection et par iontophorèse [Genève] 27p. 24½cm. Liège, 1937.

Also Arch. internat. méd. exp., Liège, 1937, 12: 171-93.

KOCH, W. *Klinische Untersuchungen über die Anästhesierung der harten Zahngewebe vermittels der Elektrophorese [Göttingen] 17p. 8° Lengerich, 1936.

REINA, C. *O papel da circulação no fenómeno da ionização. 82p. 8° S. Paulo, 1933.

SCHACKE, D. *Neue Untersuchungen über die Iontophorese [Basel] 20p. 24½cm. Berl., 1939.

Alden, A. M. The response of allergic phenomena to ionization. Laryngoscope, 1935, 45: 620-32.—**Alexander, J. H.** Passive transfer; relation of the reagin content of the blood to iontophoresis. Tr. Am. Lar. Rhin. Otol. Soc., 1936, 42: 447.—**Berceanu, D.** [Importance of calcium iontophoresis in therapeutics] România med., 1933, 11: 117.—**Bernard, P. D.** Le phénomène général d'ionisation. Odontologie, Par., 1937, 75: 348-57.—**Bourguignon, G.** Expériences sur les actions physiologiques et thérapeutiques de la diélectrolyse (ionisation) classification de 24 ions en familles chimiques, par leur action vaso-motrice dans la diélectrolyse trans-cérébrale. J. radiol. électr., 1934, 18: 440. — & **Eliopoulos, S.** Action des ions, iode, calcium et magnésium sur l'indice oscillométrique et la pression artérielle dans la diélectrolyse trans-cérébrale. C. rend. Acad. sc., 1931, 192: 379-82.—**Chazie, J.** Ionisation et système neuro-végétatif. Presse therm. clim., 1937, 78: 43-6.—**Denier.** Fixation élective des ions médicamenteux par l'électro-aimant. C. rend. Acad. sc., 1931, 192: 1502. — La thérapeutique par les ions négatifs. Presse méd., 1933, 41: 2119.—**Hollender, A. R., & Fabricant, N. D.** Nasal ionization; histologic studies in relation to clinical evaluation. Arch. Otolaryng., Chic., 1938, 27: 452-68.—**Inouye, Y., Yamaga, T., & Maeda, S.** Schwankungen der Werte von Jod, Fluor, anorganischen Salzen und von Zucker im Blut bei der Fluorwasserstoff-Iontophorese. Jap. J. M. Sc., 1938-39, 5: Proc. Int. Med., 149.—**Kellat, G., & Politova, E.** [Bactericidal action of electroionization and its application] Russ. klin., 1927, 8: No. 39, 9-13.—**Kling, D. H.** Response and increase in skin temperature as indicators of efficiency of vasodilating drugs by iontophoresis. Arch. Phys. Ther., 1940, 21: 389-92.—**Kotkis, A. J., Melchionna, R. H.** [et al.] Physiologic effects of acetyl-beta-methylcholine chloride by iontophoresis. Ibid., 1935, 16: 528-33.—**McMahon, B. G.** Late changes in the mucosa of the frontal sinuses and nose of dogs following ionization. Tr. Am. Lar. Rhin. Otol. Soc., 1936, 42: 444-6.—**Martin, L., Ruland, H., & Ruland, L.** Studies on the local and systematic effects of acetyl beta-methylcholine administered by iontophoresis. N. England J. M., 1937, 217: 202-5.—**Martinescu, G., & Popoviciu, G.** [Study on the action of iontophoresis] Rev. st. med., Bucur., 1927, 16: 877-94.—**Molitor, H.** Pharmacologic aspects of drug administration by ion-transfer. Merck Rep., 1943, 52: 22-9.—**Montgomery, H., Holling, H. E., & Friedland, C. K.** The effect of iontophoresis with acetyl-beta-methylcholine chloride on the rate of peripheral blood flow. Am. J. M. Sc., 1938, 195: 794-802.—**Morphy, O. C.** A reconsideration of the theory of ionic medication, with special reference to its application in dental treatment. Brit. Dent. J., 1926, 47: 293-302.—**Nakai, S.** Experimentelle Untersuchungen über die Iontophorese einiger Derivierungsstoffen; klinische Studien. J. Orient. M., Dairen, 1940, 32: 13; 49.—**Parfenov, A. P.** [Experimental tests with iontophoresis of antipyrin] Vrach. gaz., 1929, 33: 709-11. — & **Dobrokhotova, E. A.** [Comparative evaluation of the resorptive action of certain pharmacological agents, introduced with the aid of direct current] Fizioterapia, Moskva, 1940, 34-42.—**Pupin, M. I.** Ionization and chemical reactions. Bull. N. York Acad. M., 1927, 3: 7-17.—**Raszeja, F.** Recherches expérimentales sur l'ionothérapie électrique. C. rend. Soc. biol., 1929, 102: 352-4; 1930, 103: 799-803.—**Ruge, W.** Die Elektrophorese (Iontophorese) mit Vitaminen und Hormonen und ihre Anwendung in der ärztlichen Praxis. Med. Welt, 1938, 12: 886-9.—**Schacke, D.** Neue Untersuchungen über die Iontophorese. Zschr. Stomat., 1939, 37: 753; 827.—**Schudel, S.** Klinische und histologische Untersuchungen von Granulomen nach Iontophorese-Behandlung mit Jod-Jodkali und Cibazol.

Schweiz. Mschr. Zahnh., 1942, 52: 291-333, 10 pl.—**Sebök, L., & Pusztay, I.** [Effect of iontophoresis on local allergy of skin] *Gyógyászat*, 1935, 75: 442-4.—**Seech, S. G.** Experimental iontophoresis on rabbits' corneas. *Am. J. Ophth.*, 1939, 3. ser., 22: 189-91.—**Smit, H. M.** Tissue changes in iontophoresis. *Tr. Am. Lar. Rhin. Otol. Soc.*, 1936, 42: 431-40.—**Steindorff.** Experimentelles über Iontophorese; zugleich ein Beitrag zur medikamentösen Behandlung von Linsentrübungen. *Klin. Wschr.*, 1927, 6: 1728.

IONTOQUANTIMETER.

See **Ionization chamber; Iontometry.**
IOOSS, Joseph, 1909—**Tabès et traumatisme*. 58p. 24½cm. Strasb., Impr. Alsacienne, 1934.

IOPHOBIA.

See **Phobia; Poisoning.**
IOSEFOVICI, Egon, 1911—**Présentations de l'épaupe négligées à la maternité de l'hôpital Lariboisière*, 1926-36. 48p. 8° Par., Vigot, fr., 1937.
IOSIFOV, Gordej Maksimovich, 1870-1933. Das Lymphgefäß-System des Menschen mit Beschreibung der Adenoide und der Lymphbewegungsorgane. Uebersetzt aus dem Russischen von J. W. Avtokratov. viii, 176p. 8° Jena, G. Fischer, 1930.
Oschkaderov, W. I. Nachruf. *Anat. Anz.*, 1936, 83: 62-4, portr.

IOTACISM.

See **Speech, Disorder.**
IOWA, U. S. A. Board of Control of State Institutions. Biennial report. Des Moines, v.1 (1897/99) 1900—
IOWA, U. S. A. Board for Vocational Education. Vocational rehabilitation for disabled persons, statement of policies. 12p. 20½cm. Des Moines [1940]
IOWA, U. S. A. Department of Health. Annual [and biennial] report. Des Moines, v.1 (1880-81) 1882—
— *Iowa health bulletin.* Des Moines, v.1-29, 1887-1915.
Continued by *Iowa public health bulletin.*
— *Bulletin of Iowa state institutions.* Des Moines, v.1-21, 1899-1919.
— *Iowa public health bulletin.* Des Moines, v.1, 1916—
Continuation of *Iowa health bulletin.*
— *Weekly health message.* Des Moines, No. 123, 1929—
— *Morbidity report.* Des Moines, Jan. 1935—
— Rules and regulations relating to communicable and other reportable diseases. 80p. 8° Des Moines, 1935.
See also **Albert, H.** Organization and activities of the Iowa State Department of Health. *Iowa Pub. Health Bull.*, 1928, 42: No. 1, 3-16.—**State health organization in Iowa.** *Proc. Iowa Conf. Child Health*, 1932, 63-6.—**Swift, F. J.** History of the Iowa state board of health. *J. Iowa M. Soc.*, 1934, 24: 264; 307; 419.—**Wieters, A. H.** Activities of the Sanitary engineering division. *Iowa Pub. Health Bull.*, 1928, 42: No. 3, 3-16.

IOWA, U. S. A. Secretary of State. Census. Des Moines, 1875—

IOWA, U. S. A. State College of Agriculture and Mechanic Arts. Veterinary practitioners' bulletin. Ames, v.1-8, 1916-26.

IOWA, U. S. A. State Department of Health. See **Iowa, U. S. A. Department of Health.**

IOWA, U. S. A. State Services for Crippled Children.

See **Iowa State Services for Crippled Children.**

[**IOWA, U. S. A.**] **University of Iowa.** Bulletins. Iowa City, No. 1, 1899—
Incomplete.

— *Studies in child welfare.* Iowa City, v.1, No. 1, 1920—

— *Humanistic studies.* Iowa City, v.4, No. 1, 1927—

— *Studies in natural history.* Iowa City, v.14, No. 1, 1931—

— *Medical bulletin.* Iowa City, n. ser., No. 1068, 1939—

— *Doctoral dissertations, abstracts, and references.* Iowa City, v.1, 1940—

[**IOWA, U. S. A.**] **University of Iowa. Department of Orthopedic Surgery.** Abstract series v.10, 1936-37 Abstracts of current literature; reports of meetings; special lectures; statistical and research material, etc. [322]p. 28cm. Iowa City [1937]

[**IOWA, U. S. A.**] **University of Iowa. Department of Pathology and Bacteriology.** Contributions. Iowa City, v.1, 1908.

Forms No. 182, n. ser., Bull. State Univ. Iowa.

[**IOWA, U. S. A.**] **University of Iowa. Department of Zoology.** Laboratory directions: general zoology. 72 l. 4° [Iowa City] J. H. Bodine, 1934.

IOWA, U. S. A.

LOVE, M. A. The Iowa Public Junior College; its academic, social, and vocational effectiveness. 128p. 8° Iowa City, 1938.

Becker, E. R. The Iowa Academy of Science. *Science*, 1942, 95: 651.—**Reed, C. D.** Iowa; climatic summary. *Yearb. U. S. Dep. Agr.*, 1941, 862-72.

— Hygiene, and sanitation.

See also **Health organization; Hospital report.**
UNITED STATES. BUREAU OF THE CENSUS. Census of Iowa. Des Moines [1930—]

Bierring, W. Communicable disease review of 1941. *J. Iowa M. Soc.*, 1942, 32: 75-7.—**Communicable diseases division;** mortality and morbidity from scarlet fever, diphtheria, measles and small-pox. *Iowa Pub. Health Bull.*, 1927, 41: 4-7.—**Iowa,** hospital and other institutional facilities and services, 1939. *Vital Statist. Spec. Rep. U. S. Bur. Census*, 1941, 13: 141-50.—**Iowa,** summary of vital statistics, 1940; place of occurrence. *Ibid.*, 1941, 14: 277-300.—**Iowa,** summary of vital statistics, 1941. *Ibid.*, 1943, 18: 204-16.—**McLaren, R. L.** Vital statistics of Iowa. *Iowa Pub. Health Bull.*, 1928, 42: No. 2, 4-16.—**Vital statistics division;** no increase in the death rate in Iowa for 1926. *Ibid.*, 1927, 41: No. 1, 12-5.—**Vital statistics summary,** Iowa: 1939. *Vital Statist. Spec. Rep. U. S. Bur. Census*, 1940-41, 10: 1473-503.—**Wieters, A. H.** Sanitary survey of Iowa lakes. *Iowa Pub. Health Bull.*, 1927, 41: No. 4, 3-15.

— Medicine, and medical history.

FAIRCHILD, D. S. History of medicine in Iowa. v. p. 8° [Des Moines, 1927]

Agnew, F. F., & Shellito, A. G. The history of medicine in Buchanan County. *J. Iowa M. Soc.*, 1941, 31: 45; passim.—**Aldrich, J. F.** Pioneer physicians of Page County. *Ibid.*, 1934, 24: 461-5.—**Arthur, W. R.** Medical history of Franklin County. *Ibid.*, 1942, 32: 477-9.—**Bierring, W. L.** Historical notes. *Ibid.*, 1927, 17: 75-82.—**Bowen, W. W.** Medical history of Webster County. *Ibid.*, 1942, 32: 96; passim.—**Burcham, T. A.** Emergency medical service in Iowa. *Ibid.*, 469-71.—**Bush, E. B.** The President's address. *Ibid.*, 245.—**Clarke, J. F.** A history of medicine in Jefferson County, Iowa. *Ibid.*, 1934, 24: 644; 1935, 25: 52; 109; passim.—**College (The) of Medicine at Iowa City.** *Ibid.*, 1943, 33: 190.—**Cooke, T. F.** Iowa State Dental Society. In *Hist. Dent. Surg.* (Koch, C. R. E.) Chic., 1909, 1: 904-17.—**Daly, J. J.** Winneshiek County physicians. *J. Iowa M. Soc.*, 1941, 31: 264-6.—**Downing, W. L.** A history of medicine in Plymouth County. *Ibid.*, 1943, 33: 205; passim.—**Fairchild, D. S.** Medicine in Iowa prior to 1876. *Ibid.*, 1913-14, 3: 453-7; 1914-15, 4: 313.—**Physicians who located in Iowa in the period between 1850 and 1860.** *Ibid.*, 1922, 12: 22-7; 103; 375; 1923, 13: 27; 158-60.—**Physicians who located in Iowa in the period between 1860 and 1870:** William F. Peck (1841-1902) & W. D. Middleton (1844-1902) *Ibid.*, 279-82.—**Fuller, F. M., McClintock, J. T.** [et al.] Medical history of Hardin County. *Ibid.*, 1938, 28: 518-22.—**Hammer, M. R.** Physicians; past and present of Jasper County, Iowa. *Ibid.*, 1937, 27: 380.—**Hosford, W. S.** State University of Iowa College of Dentistry. In *Hist. Dent. Surg.* (Koch, C. R. E.) Chic., 1909, 1: 509-12.—**Iowa City;** views of Children's Hospital, Iowa medical buildings, and the

State General Hospital. Nu Sigma Nu Bull., 1942, 31: 250. illust.—Miner, J. B. Medical history of Floyd County. J. Iowa M. Soc., 1942, 32: 441.—Physicians upheld in distribution of medical relief funds. J. Am. M. Ass., 1942, 119: 426.—Rasmussen, C. A. The medical history of Palo Alto County. J. Iowa M. Soc., 1941, 31: 408; 450; 503; 557; 607.—Sharpnack, T. P. Polk County (Iowa) begins construction of new 150-bed general hospital. Hosp. Management, 1941, 52: No. 4, 40.—Some early medical history of a prairie state. Nebraska M. J., 1934, 19: 393.—Throckmorton, T. M., & Throckmorton, T. B. The history of medicine in Lucas county. J. Iowa M. Soc., 1933, 23: 87; 234; 333; 487; 532; 89; 642; 92; 1934, 24: 43; 119; 66.—Walliker, W. M. Pioneer doctors of Clinton County. Ibid., 1941, 31: 130.—Winkler, F. P. The President Elect's address. Ibid., 1942, 32: 246; 1943, 33: 209-11.

IOWA City. University of Iowa.
See Iowa, U. S. A. University of Iowa.

IOWA Conference on Child Health. Proceedings. Des Moines, 1932.

IOWA dental bulletin. Sioux City, v.5, 1919.

IOWA State Medical Society. Executive Cancer Committee. Standards for the diagnosis and treatment of cancer. 168p. 19½cm. [Iowa City, Athens pr., 1939?]

Biering, W. L. The diamond jubilee. J. Iowa M. Soc., 1926, 16: 519-28.—Eighty-ninth annual session; Des Moines, Iowa, May 1, 2 and 3, 1940. Ibid., 1940, 30: 137-47.—Fairchild, D. S. The Iowa State Medical Society, 1865-1915. Ibid., 1917, 7: 134-8.—Glomset, D. J. Postgraduate work by the Iowa State Medical Society. Fed. Bull., Chic., 1935, 21: No. 9, 270-9.—Membership roster of the Iowa State Medical Society. J. Iowa M. Soc., 1937, 27: 387-98; 1941, 31: 359-70.—Minutes of the Iowa State Medical Society, 80th annual session, May 1, 2, 3, 1940. Ibid., 1940, 30: 298-301.—Minutes of the Iowa State Medical Society, ninetieth annual session, May 14, 15 and 16, 1941. Ibid., 1941, 31: 290-344.—Transactions; House of Delegates; Iowa State Medical Society, 83rd annual session May 9, 10, 11, 1934. Ibid., 1934, 24: 350.

IOWA State Services for Crippled Children. Ser. A. Iowa City, Children's Hosp., No. 1-3, 1938-41.

CONTENTS

No. 1. Care of the spastic paralytic child in the home. J. F. Abele & T. J. Greteman, 1938.
No. 2. Care of infantile paralysis in the home. A. Steindler & T. J. Greteman, 1941.
No. 3. Malposture and scoliosis exercises. A. Steindler & T. J. Greteman, 1940.

IPARRAGUIRRE, Julio G., ESTEBAN, Horacio V., & NOLAZCO, José. Ingreso a la Facultad de ciencias médicas; física, química, higiene, idiomas. 633p. illust. diagr. 2 pl. 23cm. B. Air., El Ateneo, 1940.

IPCAR, Ludovic, 1906—*Louis XI et ses médecins. 95p. 8°. Par., E. Le François, 1936.

IPECACUANHA.

See also Amebiasis, Treatment; Emetine; Rubiaceae.

Chopra, R. N., & Mukherjee, B. Indian ipecacuanha. Ind. M. Gaz., 1932, 67: 88-90.—Economy in the use of ipecacuanha and emetine. J. Ind. M. Ass., 1941-42, 11: 254.—Edman, G. [Regulations of Swedish pharmacopeia (1925) on radix ipecacuanhae] Sven. farm. tskr., 1931, 35: 525.—Farrington, H. A brief study of ipecac. J. Am. Inst. Homeop., 1935, 28: 404-6.—Guitard. Illusions et réalités; recherches expérimentales sur l'action physiologique de l'ipecacuanha. J. méd. Toulouse, 1864, 4. ser., 3: 26-30.—Keller, O. Ueber einige nicht alkaloidartige Bestandteile der Brechwurzel. In Festsch. 70. Geburtst. (A. Tschirch) Lpz., 1926, 85-98.—Lafond, L. Adrien Hévétius et le triomphe de l'ipecac. Aesculape, Par., 1926, 16: n. ser., 266-70.—Lupton, A. W. The determination of stem in ipecacuanha. Q. J. Pharm., Lond., 1938, 11: 225-33.—Maheu, J., & Chartier, J. Faux ipecac et origine botanique de l'ipecac strié mineur, Manettia ignita Schum. Bull. sc. pharm., Par., 1927, 34: 347-57.—Maschmann, E. Bemerkungen zur Konstitution der Brechwurzel-Alkaloide. Arb. Staatsinst. exp. Ther., 1928, H. 21, 286-91.—Mokhnacheva, A. I. [Degree of emetin participation in the emetic action of ipecac] Tr. Leningr. nauch. prakt. farm. inst., 1935, 1: 101-7.—Podolsky, E. Ipecac. Pract. Med., Delhi, 1933, 31: 177-9.—Ranwez, F., & Campion, O. Etude du faux ipecac cultivé. Ann. pharm., Louvain, 1895, 1: 72; 238.—Rigel, F. J. Ipecacuanha (U. S. P.) ipecac. Elect. M. J., 1934, 94: 235-8.—Rosenthaler, L., & Gordonoff, T. Zur Kenntnis der exportierenden Wirkung der Ipecacuanhawurzel. Schweiz. med. Wschr., 1937, 67: 450-2.—S., & M., H. K. Ipecac. In Cyclop. Med. (Piersol-Boritz) Phila., 1939, 8: 137-41.—Soares da Cunha, N. Ipecacuanha estríada do Perú; em torno das ipecacuanhas ou,

simplesmente, ipecas. Tribuna farm., Curitiba, 1940, 8: 145-51.—Wedell. Vegetación y explotación del Cephaelis ipecacuanha en el Brasil. Botica, Barcel., 1852, 53, 1: 55.

Allergy.

Baumritter, P. [Intradermal sensibilization for ipecac] Med. dósw., 1927, 7: 415-9.—Gautier, C., & Joltrain, E. Sensibilisation à l'ipecac; effets et dangers des désensibilisations spécifiques brutales. Bull. Soc. méd. hôp. Paris, 1930, 3. ser., 46: 117-26.—Kremer, W. Een geval von overgevoeligheid tegen pulvis corticis radices ipecacuanhae. Ned. tschr. geneesk., 1933, 77: 43-7.

Preparations.

Astruc, A., Giroux, J., & Barrau, S. Recherches biologiques sur la teinture d'ipecac. J. pharm. chim., Par., 1940, 9. ser., 1: 185-201.—Bosin, A. G. [Method in manufacturing desiccated, concentrated infusion of ipecac] Farmatsin, Moskva, 1939, No. 9, 7-14.—Bye, M., Schoetzw, R. E. [et al.] An assay method for fluidextract of ipecac, U. S. P. J. Am. Pharm. Ass., 1933, 22: 965-8.—Coley, R. C. Extractum ipecacuanhae liquidum. Australas. J. Pharm., 1922, n. ser., 3: 91.—DeGangi, F. E., & Trupp, M. S. An analytical study of tincture of ipecac. J. Am. Pharm. Ass., 1943, 32: 22-5.—[Deposit in vinum ipecacuanhae] Ny pharm. tid., Kbh., 1872, 4: 244.—Dulière, W. Etude sur la teinture d'ipecac. Ann. pharm., Louvain, 1900, 6: 283-91.—Edman, G. [Ipecacuanha powder] Sven. farm. tskr., 1932, 1-6.—Feith, V. Ueber eine wertvolle Verbesserung des Doverschen Pulvers. Aerzt. Rdsch., 1923, 33: 77.—Foran, R. R., Wirth, E. H., & Powers, J. L. Pulvis ipecacuanhae et opii; description of ipecac and opium. Bull. Nat. Formulary Com. U. S., 1942, 10: 275.—Knüppel, H. Ipecopan als Expectorans. Zschr. Tuberk., 1926, 46: 424.—Lupton, A. W. The preparation of a dry extract of ipecacuanha with some notes on ipecacuanha root of commerce. Q. J. Pharm., Lond., 1934, 7: 483-8.—Ranwez, F., & Campion, O. Note sur la poudre officinale de la racine d'ipecac. Ann. pharm., Louvain, 1895, 1: 82; 114; 160.—Roos, A. [Powdered ipecac] Sven. farm. tskr., 1931, 35: 677-80.—Rupp, L. Ipecidin. Schweiz. med. Wschr., 1942, 72: 50.—Tomschi, H. W. Liquor ipecacuanhae aqueus. Australas. J. Pharm., 1942, 23: 534. Also Pharm. J., Lond., 1942, 94: 206.—Vámosy, Z. [Correct prescription for infusion of ipecac] Orv. hetil., 1940, 84: mell., 21.

IPEK; annuaire d'art préhistorique et ethnographique. Par., v.1, 1925-

IPIDAE.

See also Coleoptera.

Marcu, O. Beitrag zur Kenntnis der Stridulationsorgane bei Ipiden. Zool. Anz., 1930-31, 92: 238-42. — Ein neuer Beitrag zur Kenntnis der Stridulationsorgane bei Ipiden. Ibid., 1931, 94: 32-7.

IPOMIC acid.

Biggs, B. S., & Bishop, W. S. Sebacic acid mononitrile. J. Am. Chem. Soc., 1941, 63: 944.—Boedtker, E. Notes sur l'acide sébacique. J. pharm. chim., Par., 1924, 7. ser., 29: 313-25.—Emmrich, R. Ueber das Verhalten der Sebacinsäure im Stoffwechsel des kranken Menschen. Deut. Arch. klin. Med., 1941, 187: 504-18.

IPOMOEAE.

See also Convolvulaceae; Jalap; Scammony.

Corfield, C. E., & Rankin, W. R. The resin of ipomoea: Mexican scammony root: its solubility in ether and the acid value as a test for resin. Q. J. Pharm., Lond., 1931, 4: 353-9.—Haluska, L. A. Resin of ipomoea, tests. Bull. Nat. Formulary Com. U. S., 1938-39, 7: 87.—Husa, W. J., & Macek, T. J. Drug extraction; the extraction of ipomoea. J. Am. Pharm. Ass., 1940, 29: 455-8.—Luna Castro, H. Tumbavaqueros. Homocop. Rec., 1940, 55: No. 11, 25-34.—Resin of Ipomoea. Bull. Nat. Formulary Com. U. S., 1940-41, 9: 90-5.—Santesson, C. G. Piule, eine mexikanische Rauschdroge. Arch. Pharm., Berl., 1937, 275: 532-7. Also Skand. Arch. Physiol., Berl., 1937, 77: 73.—Warren, L. E. Resin of ipomoea. J. Am. Pharm. Ass., 1932, 21: 217-23.

batatas [Sweet potato]

ELMER, O. H. Sweet potatoes in Kansas. 52p. 8°. Topeka, 1938.

Adolph, W. H., & Liu, H. C. The value of the sweet potato in human nutrition. Chin. M. J., 1939, 55: 337-42.—Batata (A) um ótimo alimento. Impr. med., Rio, 1941, 17: No. 329, 153.—Brown, R. W., & Brinson, J. E. Utilization of sweet potatoes for production of n-butyl alcohol and acetone. J. Bact., Balt., 1943, 45: 38.—Bryant, C. W. Grading and seed selection of Nancy Hall sweet potatoes by flotation. J. Tennessee Acad. Sc., 1942, 17: 184-94.—Dosier, V., James, C., & Scouler, F. I. The vitamin A content of dehydrated sweet potatoes, vita Yam. Anat. Rec., 1942, 82: Suppl., 13.—Harter, L. L. Pythium rootlet rot of sweet potatoes. J. Agr.

Res., 1924-25, 29: 53-5. — & Whitney, W. A. Relation of soil temperature and soil moisture to the infection of sweet potatoes by the stem-rot organisms. *Ibid.*, 1927, 34: 435-41. — Mottle necrosis of sweet potatoes. *Ibid.*, 893-914. — The comparative susceptibility of sweet potato varieties to stem rot. *Ibid.*, 915-9. — Jones, D. B., & Gersdorff, C. E. F. Ipomoein, a globulin from sweet potatoes, *Ipomoea batatas*; isolation of a secondary protein derived from ipomoein by enzymic action. *J. Biol. Chem.*, 1931, 93: 119-26. — Kohman, E. F. Black discoloration in canned sweet potatoes. *Science*, 1921, n. ser., 54: 58. — Marshall, G. A. K. A new weevil pest of sweet potatoes in Jamaica. *Bull. Entom. Res.*, Lond., 1918, 8: 269-72. — Sampson, W. A new scolytid injurious to dried sweet potatoes. *Ibid.*, 295. — Scoular, F. I., & Eakle, D. H. Loss of ascorbic acid during cooking of stored sweet potatoes. *Food Res.*, 1943, 8: 156-62. — Sinoda, O., & Kodera, S. The chemistry of cooking; on the critical temperature in cooking the sweet potato. *Biochem. J.*, 1932, 26: 650. — & Oya, C. The chemistry of cooking; the chemical changes of carbohydrates in the sweet potato according to various methods of cooking. *Ibid.*, 1931, 25: 1973-6. — Stokes, J. F. G. Spaniards and the sweet potato in Hawaii and Hawaiian-American contacts. *Am. Anthropol.*, 1932, 34: 594-609. — Swanson, P., Stevenson, G. [et al.] Effect of fertilizing treatment on vitamin A content of sweet potatoes. *Food Res.*, 1940, 5: 431-8. — Thompson, J. D. The value of sweet potatoes. *Eating Your Way to Health*, Oakland, 1933, 2: 1. — Weimer, J. L., & Harter, L. L. Respiration and carbohydrate changes produced in sweet potatoes by *Rhizopus tritici*. *J. Agr. Res.*, 1921-22, 21: 627-35. — Wound-cork formation in the sweet potato. *Ibid.*, 637-47.

IPPEN, Felix. *Ueber die Vitamin-C-Bilanz des Organismus bei verschiedenen Krankheiten [Basel] 12p. 8°. Cernăuți [n. p.] 1935.

IPSEN, Johannes. *Studier over ondartete nyresvulster hos voksne saerlig nyre carcinomerne og pelviscarcinomerne. 292p. 4 pl. 8°. Kbh., Gyldendalske Boghandel Nordisk Forlag, 1912.

— Hauttemperaturen. 375p. 8°. Kbh., Levin & Munksgaard, 1936.

IPSEN, Karl, 1866-1927.
Meixner. *Nekrolog.* *Wien. klin. Wschr.*, 1927, 40: 632.—
Molitoris, H. *Nekrolog.* *Deut. Zschr. gerichtl. Med.*, 1926-27, 9: p. i-iv.

I. Q.

See Intelligence quotient.
IRACI, Joseph Peter, 1913-— *Uremia.
20p. 4°. Wauwatosa, 1938.
IRACI, Salvatore John, 1912-— *Multiple
sclerosis. 10p. 4°. Wauwatosa, 1938.

IRAN.

Cannell, D. A. Iran. *Britan. Bk* 1942, 362. — Cattier, G. Les climats étrangers; la Perse. *Presse therm. clim.*, 1939, 80: 178-85. — Christensen, A. Quelques traits de l'esprit iranien. *Scientia*, Bologna, 1940, 67: 238-43. — Frazer, J. G. Persia. In his *Native races of Asia*, Lond., 1939, 295-304. — Gy., R. Irán. *Magy. statisz. szemle*, 1941, 19: 668-70. — Hüsing, G. Völkerschichten in Iran. *Mitt. Anthropol. Ges. Wien*, 1916, 46: 199-250. — Jamshedi, S. U. J. The Persian origin of the Kurds and the Tajiks. *J. Anthropol. Soc. Bombay*, 1913, 9: 493-9. — Krogman, W. M. The peoples of early Iran and their ethnic affiliations. *Am. J. Phys. Anthropol.*, 1940, 26: 269-308. — Mingana, A. A new list of the Persian kings. *Bull. John Rylands Libr.*, Lond., 1919, 5: 116-8. — Quatrefages, de. *Races humaines de la Perse*; par M. Duhoussier [Rev.] *C. rend. Acad. sc.*, 1863, 56: 487. — Remy, A. F. J. The Avesta; the sacred books of the Parsees, or Zorostrians, and the main source of our knowledge concerning the religious and spiritual life of the ancient Persians. *Cath. Encycl.*, 1913, 2: 151-4.

— Hygiene, sanitation, and statistics.

ETEMADIAN, M. *L'Iran et la prophylaxie internationale. 128p. 8°. Par., 1938.

Carr, D. The diseases most met with in Persia, and how they affect Europeans. *J. Trop. M. Hyg.*, Lond., 1915, 18: 109-12. — Feistmantel. Zur Frage des sanitären Schutzes des persischen Golfs; auf Grund der letzten cholera- und Pest-epidemien. *Deut. med. Wschr.*, 1908, 34: 655-9. — Die sanitären Verhältnisse in Persien. *Wien. klin. Wschr.*, 1908, 21: 323-7. — Howlett, A. W. A medical officer's notes on the Persian frontier. *J. R. Army M. Corps*, 1911, 17: 177-85. — Lindberg, K. Impressions d'un voyage en Iran. *Rev. méd. hyg. trop.*, Par., 1936, 28: 234-7. — Moreau, L. Etude de géographie médicale du golfe persique. *Arch. méd. nav.*, Par., 1909, 91: 289-301; 381; 458. — Neligan, A. R. Notes on Persia to-day. *S. Barth. Hosp. J.*, Lond., 1908-9, 16: 7. — Pokrovski, M. [Letters from Persia] *Russ. vrach*, 1908, 7: 817; 852.

— Medicine, and medical history.

See also names of Persian physicians as Ibn Sina, etc.; also Arabs, Medicine.

ELGOOD, C. *Medicine in Persia*. 105p. 16°. N. Y., 1934.

GHAVAMI, A. *De la médecine persane au cours des âges; et en particulier l'hygiène dans la Perse antique. 70p. 8°. Par., 1937.

MORTON, R. S. A doctor's holiday in Iran. 335p. 21cm. N. Y., 1940.

NAFICY, A. *Les fondements théoriques de la médecine persane, d'après l'Encyclopédie médicale de Gorgani, avec un aperçu sommaire sur l'histoire de la médecine en Perse. 142p. 8°. Par., 1933.

Elgood, C. A treatise on the bezoar stone; by the late Mahmud bin Masud, the Imad-ul-Din, the physician of Ispahan. *Ann. M. Hist.*, 1935, 7: 73-80. — Jundi Shapur, a Sassanian university. *Proc. R. Soc. M.*, Lond., 1938-39, 32: Sect. Hist. Med., 1033-6. — Some little-known medical practitioners in mediaeval Persia. *Ibid.*, 1940-41, 34: 373-80. — Garrison, F. H. Persian medicine and medicine in Persia; a geometrical survey. *Bull. Johns Hopkins Hosp.*, 1933, 52: Suppl., 129-53. — Guérin, A. L'influence de la Perse dans la renaissance médicale en Islam. *Rev. gén. clin. théor.*, 1935, 49: Suppl., 800-4. — Jayne, W. A. The medical gods of ancient Iran. *Ann. M. Hist.*, 1919, 2: 8-13. — Jundi Shapur. *Minerva med.*, Tor., 1940, 31: varia, 108-10. — Konkle, W. B. Greek physicians at the Persian Court. *N. York M. J.*, 1915, 102: 438-41. — Krogman, W. M. The skeletal and dental pathology of an early Iranian site. *Bull. Hist. M.*, 1940, 8: 28-48. — Laignel-Lavastine, M., & Naficy, A. Aperçu de l'évolution générale de la médecine persane. *Bull. Soc. fr. hist. méd.*, 1933, 27: 292-6. — Laignel-Lavastine, M., & Vinchon, J. La médecine en Perse au XVII^e siècle. *Ibid.*, 196-212. — Lichtwardt, H. A. Ancient medicine in modern Persia. *Ann. M. Hist.*, 1935, 7: 81-4. — Raffie, S. M. Mirza. Medical practice in Persia. *J. Am. M. Ass.*, 1905, 45: 123. — Ritzo. Hôpital persan Muzafférich; historique, statistique et mouvement du 10 mars 1901 au 9 mars 1902. *Gaz. méd. Orient.*, 1902-3, 195-9. — Hôpital persan Muzafférich; historique, statistique et mouvement de la 2^e année (10 mars 1902-9 mars 1903) *Ibid.*, 1904-5, 75-80. — Ruška, J. Ueber das älteste Denkmal persisch-arabischer Medizin. *Münch. med. Wschr.*, 1927, 74: 1899. — Schneider. La médecine persane; les médecins français en Perse; leur influence. *Rev. méd. est.*, 1911, 43: 520; 545. — Wishard, J. G. The practice of medicine in Persia. *Indianapolis M. J.*, 1910, 22: 160-2.

IRAQ.

See also Arabs.

Boyd, W. C., & Boyd, L. G. Blood groups and types in Baghdad and vicinity. *Human Biol.*, 1941, 13: 398-404. — Field, H. The Arabs of Iraq. *Am. J. Phys. Anthropol.*, 1936, 21: 49-56. — Gy., R. Irak. *Magy. statisz. szemle*, 1941, 19: 668. — Hourani, A. H. Iraq. *Britan. Bk* 1942, 363. — Hüber, R. Der Gesundheitsplan des Königreiches Irak. *Deut. med. Wschr.*, 1936, 62: 1307. — Kennedy, W. P. Some experiences in Iraq. *Med. Press & Circ.*, Lond., 1940, 203: 150-2. — Müller, G. Rassebilder aus dem Irak. *Zschr. Ethnol.*, 1938-39, 70: 47-51. — Speiser, E. A. Closing the gap at Tepe Gawra. *Annual Rep. Smithson. Inst.* (1939) 1940, 437-45, 12 pl.

IRAT, Max. *Lymphogranulomatose anorectale (maladie de Nicolas-Favre) à type de rétrécissement du rectum. 59p. 24½cm. Toulouse, Impr. Berthoumieu, 1936.

IRAZABAL-LUIGI, Manuel, 1909-— *Contribution à l'étude expérimentale du traitement de la lambliaze. 59p. 8°. Par., Marcel Vigné, 1935.

IRAZU, Juan. *Tuberculosis genital en el hombre (estudio estadístico en la República Argentina) [27]p. illust. tab. 27cm. B. Air., A. López [1937]

IREDELL, Charles Edward, 1877-— Col-our and cancer, an investigation. vi, 106p. ch. pl. 8°. Lond., H. K. Lewis & co., 1930.

IRELAND, Allen Gilbert, 1890-1940.
For obituary see *J. N. Soc. N. Jersey*, 1940, 37: 613.

IRELAND, J. T.
See Harris, I., Aldred, C. H. [et al.] High blood pressure. 132p. 8°. Lond., 1937.

IRELAND, Merritte Weber, 1867-— The Medical Corps of the Army and scientific medi-

cine. p.439-56. Phila., W. B. Saunders co., 1933.

In Lectures on the History of Medicine, 1926-32 (W. B. Saunders co.) Phila., 1933.

— [Jefferson Medical College graduates in the service of the United States Army] [51] 1. 29cm. [Wash., 1939]

— William Freeman Snow Award for distinguished service to humanity presented to Frederick Fuller Russell, M. D., Sc. D., Brigadier General, United States Army. 6p. 23cm. N. Y., Am. Soc. Hyg. Ass., 1942.

See also Fisk, E. L., & Crawford, J. R. How to make periodic health examinations; a manual of procedure. 393p. 8°. N. Y., 1927.

General Ireland retires. Mil. Surgeon, 1931, 68: 783-5.— Our new president, Major General Merritt Weber Ireland, Surgeon General, U. S. Army. Ibid., 1926, 59: 653-5, portr.— Phalen, J. M. Biography. Army M. Bull., 1940, 52: 94-100, portr.— Reappointment of General Ireland. Army & Navy Register, 1930, 88: 409; 430.

For portrait see Quart. Cent. Progr. (U. S. Nat. Bd Med. Examiners) Phila., 1940, 40. Also Pennsylvania Health, 1941-42, 2; No. 1, 21. Also J. Social Hyg., 1942, 28: 134.

IRELAND, Norma (Olin) 1907- An index to indexes, a subject bibliography of published indexes. xvi, 107p. 22½cm. Bost., F. W. Faxon co., 1942.

IRELAND. Chief Secretary's Office. Women and children in public houses [Ireland] 6p. fol. Dubl., H. M. Stationery Off., 1909.

Bound with Great Britain. Roy. Comm. on Whiskey. Final report. Lond., 1909.

IRELAND. Department of Industry and Commerce. Census of population. Dubl., 1841-

IRELAND. Department of Local Government & Public Health. Annual report of the Inspector of Mental Hospitals. Dubl., 1886-

Before 1923 title was Annual report of the Inspectors of Lunatics.

IRELAND. Lord Lieutenant and Privy Council of Ireland. Annual report of the local government board for Ireland. Dubl., 1883-4; 1886-7; 1890; 1901-2.

IRELAND. Registrar General. Weekly return of births and deaths for the 12 principal towns of Saorstát Éireann. Dubl., 1883-1940. Publication suspended.

— Annual report. Dubl., 1893-

— Quarterly return of marriages, births and deaths registered. Dubl., 1923-

[IRELAND] Royal Irish Academy. List of members. Dubl., 1896-

— Proceedings. Dubl., v.34, 1917-

IRELAND [Eire]

WALSH, J. J. The world's debt to the Irish. 432p. 8°. Bost., 1926.

Arensberg, C. M. Irish Rural Social Organization. Tr. N. York Acad. Sc., 1941-42, ser. 2, 4: 202-7.— Bodkin, M. Notes on the Irish Parliament in 1773. Proc. R. Irish Acad., 1942-43, 48: Sect. C, 145-232.— Farrington, A. The granite drift near Brittas, on the border between County Dublin and County Wicklow. Ibid., 1941-42, 47: Sect. B, 279-91, pl.— Gallagher, P. H., & Walsh, T. Characteristics of Irish soil types. Ibid., 205-49, pl.— Moffat, C. B. The mammals of Ireland. Ibid., 1937-38, 44: Sect. B, 61-128.— Nolan, J. J., & Nolan, P. J. Further observations on atmospheric ionisation at Glencree. Ibid., 1933, 41: Sect. A, 111-28.— Praeger, R. L. Recent views bearing on the problem of the Irish Flora and Fauna. Ibid., 1932, 41: Sect. B, 125-45. — A further contribution to the flora of Ireland. Ibid., 1938-39, 45: 231-54.— Quinn, D. B. A discourse of Ireland, circa 1599; a side-light on English colonial policy. Ibid., 1941-42, 47: Sect. C, 151-66.— Seymour, H. J. Bathymetric survey of 3 lakes in Co. Wicklow. Ibid., 1938-39, 45: 297-9, 3 pl.

— Archeology and ethnology.

HOGAN, F. E. The Irish people: their height, form and strength. 176p. 16°. Dubl., 1899.

Adamson, J. H., & Wilson, G. F. The petrography of the lower carboniferous rocks of North-East Ireland. Proc. R. Irish

Acad., 1933, 41: Sect. B, 179-90.— A propos de l'exposition Courbet à Zurich, La Joë, femme d'Irlande de Gustave Courbet. Aesculape, Par., 1936, 26: 251.— Archaeological studies in Ireland. Nature, Lond., 1938, 141: 1031.— Benzley, J. D. A Greek mirror in Dublin. Proc. R. Irish Acad., 1938 39, 45: Sect. C, 31-9, 8 pl.— Charlesworth, J. K. Some observations on the glaciation of north-east Ireland. Ibid., 255-95, 2 pl., map.— Frazer, J. G. Ireland. In his Native races of Asia, Lond., 1939, 377.— Geary, J. A. The early Irish race Sc. Am. Month., 1933, 37: 456-9.— Gwynn, A. M., Mitchell, G. F., & Stelfox, A. W. The exploration of some caves near Castletownroche, Co. Cork; Studies in Irish quaternary deposits. Proc. R. Irish Acad., 1941-42, 47: Sect. B, 371-90, pl.— Hawkes, C. F. C. Nature and early man in Ireland. Nature, Lond., 1943, 151: 376.— Hencken, H. O'N. Preparation of illustrations for report of Harvard archaeological expedition in Ireland, 1932-36. Yearb. Am. Philos. Soc. (1940) 1941, 188.— Ballinderry crannog no. 2. Proc. R. Irish Acad., 1941-42, 47: Sect. C, 1-76, 11 pl.— Hooton, E. A. Stature, head form, and pigmentation, of adult male Irish. Am. J. Phys. Anthropol., 1940, 26: 229-49.— Howells, W. W. The early Christian Irish; the skeletons at Gallen Priory. Proc. R. Irish Acad., 1940-41, 46: Sect. C, 103-219, 8 pl.— Jennings, H. Die runden Türme Irlands. In his Rosenkreuzer, Berl., 1912, pt. 1, 147-51.— Macalister, R. A. S. The excavation of Kiltera, Co. Waterford. Proc. R. Irish Acad., 1934-35, 43: Sect. C, 1-16, 3 pl.— Mitchell, G. F., O'Leary, M., & Raftery, J. On a bronze halberd from County Mayo and a bronze spearhead from County Westmeath. Ibid., 1940-41, 46: Sect. C, 287-98, pl.— Morant, G. M. The craniology of Ireland. J. R. Anthropol. Inst. Gr. Britain, 1936, 66: Jan-Jun, 43-53.— Movius, H. L., jr. An early post-glacial archaeological site at Caranduff, County Antrim. Proc. R. Irish Acad., 1940-41, 46: Sect. C, 1-84, 6 pl.— O'Maille, T. An Irish dialect survey and some general principles of phonetic notation. Proc. Internat. Congr. Phonet. Sc. (1935) 1936, 2. Congr., 102-5.— O'Riordáin, S. P. Excavations at Cush, Co. Limerick. Proc. R. Irish Acad., 1940, 45: Sect. C, 83-181, 25 pl.— The excavation of a large earthen ring-fort at Carranes, Co. Cork. Ibid. 1941-42, 47: Sect. C, 77-150, 12 pl.— Power, P. A decorated quern-stone, and its symbolism. Ibid., 1938 39, 45: Sect. C, 25-30, pl.— Price, L. The ages of stone and bronze in County Wicklow. Ibid., 1934, 42: Sect. C4, 31-64, ch., 3 pl.— Wagner, E. E. Living habits of the Ancient Irish. Good Health, 1935, 70: 266-8.— Whelan, C. B. Studies in the significance of the Irish stone age: The Campignian question. Proc. R. Irish Acad., 1934, 42: Sect. C, 121-43. — Studies in the significance of the Irish stone age; the culture sequence. Ibid., 1937-38, 44: Sect. C, 115-37, 3 pl.

— Hygiene, sanitation, and statistics.

See also Health organization; Hospital report.

IRISH FREE STATE HOSPITAL YEAR BOOK AND MEDICAL DIRECTORY, 1937. 224p. 4°. Dubl., 1937.

Bastible, C. A critical survey of Irish national health activities. Irish J. M. Sc., 1937, ser. 6, 49-55.— Bigger, J. W., & O'Meara, R. A. Q. Irish life tables, Nos. 1 and 2, for the years 1911 and 1926, and some of the more important deductions from them. Am. J. Hyg., 1932, 15: 138-62.— Broderick, A. Ballinacoon; a hospital settlement in Kerry. Pub. Health Nurs., 1913, 5: 65-71.— Carr-Saunders, A. M., & Walslaw, R. S. Recent population movements in Ireland. Congr. internat. popul. (1937) 1938, 1. Congr., 3: 115-22.— Duncan, G. A. Movements of the rural population in Southern Ireland, 1911-36. Proc. R. Irish Acad., 1942-43, 48: Sect. C, 1-14.— Fireann medical mission. Brit. M. J., 1941, 1: 576.— Harbison, J. A. The need for organised health education and propaganda in Ireland. J. State M., Lond., 1933, 41: 334-40.— Harrison, J. A. Public health [Irish Free State] In Irish Free State Hosp. Yearb., 1937, 1: 48-9.— Health (The) of the Irish Free State. Med. Off., Lond., 1934, 52: 71.— Ireland; the public health. Lancet, Lond., 1941, 1: 225.— Ireland; vital statistics of 1939. Ibid., 323.— Irish hospitals and the sweetstakes. In Irish Free State Hosp. Yearb., 1937, 1: 56-9.— Medical inspection of Irish labourers. Lancet, Lond., 1942, 1: 577.— Naughton, M. Public health problems [Irish Free State] In Irish Free State Hosp. Yearb., 1937, 1: 30-1.— Public health in Eire. Med. Off., Lond., 1937, 69: 35.— Rowlette, R. J. The Irish hospital system. In Irish Free State Hosp. Yearb., 1937, 1: 40-4.— Smyth, L. S. A statistical study of public health in county Wexford. Irish J. M. Sc., 1934, ser. 6, 557-62.— Vermineous condition of Irish workers. Brit. M. J., 1942, 1: 169.

— Medicine, and medical history.

Blumer, G. The Irish school of medicine. Yale J. Biol., 1932, 4: 765-78.— Boxwell, W., & Rowlette, R. J. Opening of the Winter hall at the Royal College of Physicians of Ireland. Irish J. M. Sc., 1940, 6. ser., No. 179, 756-63, 2 portr.— Cameron, A. A. Royal College of physicians in Kilkenny, A. D. 1687. Dublin J. M. Sc., 1918, 145: 178-80.— Centenary (The) of the Irish Medical Association. Med. Press & Circ., Lond., 1939, 201: 535.— Cummins, R. C. Some selections from the transactions of the Cork Medical Society, 1854-63. Irish J. M. Sc., 1936, 6. ser., 97-107.— Desmond, S. Aesculapius in

Ireland. MacMillans' Mag., Lond., 1907, n. ser., 2: 423-32.—**Doolin, W.** Some old journeymen surgeons. Irish J. M. Sc., 1931, ser. 6, 631-41, 2 pl.—**Essen-Möller, E.** A rare old Irish medical book. Ibid., 1932, ser. 6, 312-4, pl.—**F., C. H.** State control of Irish medical men. J. Irish M. Ass., 1906, 6: 213-5.—**French-O'Carroll.** When you qualify. Irish J. M. Sc., 1942, ser. 6, No. 203, 575-90.—**First (The)** Irish M. D. Med. Press & Circ., Dublin, 1933, 136: 66.—**Hancock, J. D.** The Irish School of Medicine. Ann. M. Hist., 1930, n. ser., 2: 196-207.—**Hennessy, T.** Organization of the medical profession in Ireland. Brit. M. J., 1922, 1: Suppl., 109-11. Also Irish J. M. Sc., 1922, 5, ser., 5-17.—**Hickey, E. M.** The background of medicine in Ireland. Ulster M. J., 1939, 8: 66-83.—**Ireland;** medical registration in Eire. Brit. M. J., 1938, 2: 503.—**Irish Free State medical union.** Lancet, Lond., 1938, 1: 1354.—**Irish medical corporations** granting diplomas; Royal College of Physicians of Ireland. Ibid., 1922, 2: 462-4.—**Jeunhomme, P.** An 18th century examination for the Mastership of surgery. Irish J. M. Sc., 1926, 6, ser., 609-13.—**Kirkpatrick, T. P. C.** Irish medical men before 1600. Brit. M. J., 1933, 1: 349.—**The Royal academy of medicine in Ireland.** Med. Press & Circ., Lond., 1937, 195: 180-4.—**Irish medical obituary.** 1941. Irish J. M. Sc., 1941, 6, ser., No. 187, 267-70; No. 190, 566.—**MacAuley, C.** Surgery in the Irish Free State. In Irish Free State Hosp. Yearb., 1937, 1: 29.—**Magennis, J. B.** Medicine [in the Irish Free State] Ibid., 25-8.—**Medical registration in the Irish Free State.** Brit. M. J., 1935, 2: 387; 1936, 2: 471.—**Medicine past and present in Ireland.** Med. Mag., Lond., 1909, 18: 313-7.—**O'Connell, T. C. J.** Whither Irish surgery? Irish J. M. Sc., 1940, 6, ser., No. 169, 1-20.—**Organisation (The)** of the medical profession in Ireland. Lancet, Lond., 1907, 2: 322.—**Osler, W.** The School of Physic, Dublin; a toast. Canad. M. Ass. J., 1912, 2: 833-5.—**Power, D.** The Abernethian society. Med. Press & Circ., Dublin, 1936, 133: 478-80.—**S., E. P.** Oliver St John Gogarty; the Celt as physician. Hist. Bull., Calgary, 1941, 5: No. 4, 1-8.—**Shanley, J. P.** The Irish Free State medical union. In Irish Free State Hosp. Yearb., 1937, 1: 52.—**Surplus of Irish doctors.** Lancet, Lond., 1941, 2: 772.—**Thompson, E. P.** Folk-lore from Ireland. J. Am. Folklore, 1894, 7: 224-7.—**Walsh, J. J.** The Irish school of medicine; Graves, Stokes and Corrigan. Lincac Q., 1940, 8: 20-4.

IRELAND [Northern]

See also Belfast; Health organization; Hospital report, etc.

Hickey, E. M. Medicine and surgery in Belfast 50 years ago. Ulster M. J., 1935, 4: 12-24.—**Iliff, W. A. B.** Northern Ireland's health problem. Ibid., 1938, 7: 86-98.—**Ireland in the fashion;** the new nurses' home in Royal Victoria Hospital, Belfast. Nurs. Times, Lond., 1939, 35: 10.—**Medical treatment of evacuated persons in Northern Ireland.** Brit. M. J., 1942, 1: 304.

IRENE.

See also Ionone; Iridaeae.

Bogert, M. T., & Apfelbaum, P. M. The synthesis of 1,1,2,6-tetramethyltetralin and the constitution of irene. J. Am. Chem. Soc., 1938, 60: 930-3.

IRGENS, Edvard Founger, 1870-

Portrait. In: Norges laeger (Kobro, I.) Krist., 1915, 1: 581.

IRGENS, Henrik Anker, 1869-1908.

Portrait. In: Norges laeger (Kobro, I.) Krist., 1915, 1: 582.

IRGENS, Johan Andreas, 1842-1910.

Portrait. In: Norges laeger (Kobro, I.) Krist., 1915, 1: 583.

IRGENS, Johan Daniel, 1856-

Portrait. In: Norges laeger (Kobro, I.) Krist., 1915, 1: 584.

IRGENS, Lars Johannes, 1835-1873.

Portrait. In: Norges laeger (Kobro, I.) Krist., 1915, 1: 584.

IRGER, Julius M., 1897-

Пасьянонра-
цияная i пасьянодавая затрымка мачы. 127p.
illust. tab. 22cm. Minsk, Dziarzh. Vidav.
Belar., 1932.

IRIARTE, David R. Trabajos científicos. 215p. pl. 19½cm. Caracas, Editorial Elite, 1937.

See also Papeles para la historia [selection of Dr D. R. Iriarte to the presidency of the Academia nacional de medicina] Bol. Lab. Clin. Luis Razetti, 1941, 2: 109.

For portrait see Rev. med. trop. parasit., Habana, 1942, 8: 73.

IRIARTE, Miguel. Estenosis mitral; estudio clínico sobre 50 casos con 34 electrocardiogramas. 165p. 8°. Bilbao, G. Ibáñez [1931]

IRIARTE Tapia, Elsa. *Yoduro de bencilo [Chile] 15p. 8°. Santiago, El Esfuerzo, 1934.

IRIBARNE, Julio, 1882-1933.

Dartigues, L. [Biography] In his Fasc. script., Par., 1932, 3: 729-32.

Arenas, N. Elogio del Dr Julio Iribarne. Bol. Soc. obst. gin. B. Aires, 1935, 14: 69-76.—**Gabastoua, J. A.** Julio Iribarne, trabajos y publicaciones. Ibid., 1934, 13: 5-10, portr.

For obituary see Sem. méd., B. Air., 1933, 40: pt 2, 2049-52. Also Rev. méd. lat. amer., B. Air., 1933-34, 19: 214-8, portr.; 1934, 20: p. xvii, portr. Also An. Fac. med., Montev., 1934, 19: 192.

IRIBARNE, Ramón, —1942.

For obituary see Prensa méd. argent., 1942, 29: 368.

IRIBAS, Juan L.

See Velázquez de la Cadena, M. A new pronouncing dictionary of the Spanish and English languages; ed. by J. L. Iribas. 2v. 8°. N. Y. [1902]

IRIDEAE.

See also Ionone; Irene.

Action fébrifuge de l'iris de Florence. J. chim. méd., Par., 1867, 5, ser., 3: 144.—**Balyeat, R. M.** Perennial hay fever, with special reference to orris root as an etiologic factor. Proc. Balyeat Clin., Oklahoma, 1932, 1: No. 9, 13-5.—**Cardoso, J.** Iridina, a 1 centigr. Med. mod., Porto, 1901, 8: 157-9.—**Guilliermond, A.** Sur la présence d'un corps d'aspect oléagineux dans les vacuoles des cellules épidermiques des feuilles d'Iris germanica et sur sa signification. C. rend. Soc. biol., 1932, 109: 1182-5.—**Muldoon, W. E., & Kahn, I. S.** Local allergy of the eye due to orris root; case report. Texas J. M., 1937-38, 33: 822-4.—**Prickman, L. E.** Orris root fingers. Coll. Papers Mayo Clin., 1934, 26: 1108. — Common allergens; orris root. Proc. Mayo Clin., 1934, 9: 291-4.—**Riley, H. P.** Morphogenesis of flower parts in Iris fulva and Iris hexagona var. giganticaerulea. Proc. Internat. Genet. Congr. (1939) 1941, 7: Congr., 248. — Development of the embryo sac of Iris fulva and I. hexagona var. giganticaerulea. Tr. Am. Micr. Soc., 1942, 61: 328-35, incl. pl.—**Saad, K.** The toxicity and uterine action of Iris sisyrinchium. Q. J. Pharm., Lond., 1937, 10: 177-87.

IRIDECTOMY.

See also Iris, Surgery.

Coppez, H. Un cas d'ophtalmie sympathique à la suite d'une iridectomie antiglaucomeuse. Bull. Soc. belge opht., 1928, No. 57, 50.—**Delord, E.** Hémophilie ayant saigné 14 jours après une iridectomie; échec des médications coagulantes classiques; guérison immédiate après une transfusion du sang. Bull. Soc. opht. Paris, 1935, 202-5.—**Khoroshina, A. G.** [Results of optic iridectomy] Vest. oft., 1937, 11: 841-9.—**Klykova, A. L.** [Iridectomy and trauma of the lens] Ibid., 10: 413.—**Lundsgaard, K. K. K.** Corneaneckrose nach Iridectomie. Acta opht., Kbh., 1927, 5: 400.—**Plig Solanes, M.** Gonioscopia de los colobomas quirúrgicos del iris. An. Soc. mex. oft., 1937-38, 12: 1-16.—**Rohrschneider, W.** Traumatische Ablösung der Linsenkapselfelle bei der Iridectomie. Klin. Mbl. Augenh., 1936, 96: 31-6.—**Stern, H.** Sackförmige Hernie des Pigmentblattes nach peripherer Iridectomie. Zschr. Augenh., 1934-35, 85: 261.

— Indication.

See also Cataract; Cornea, Leukoma; Iridochoroiditis; Lens, Sclerosis, etc.

BRAUNSS [K. F.] W. *Optische Iridectomie bei Cataracta polaris posterior im Zusammenhang mit Retinitis pigmentosa [Halle-Wittenberg] 36p. 8°. Würzb., 1929.

REINERY, F. *Ueber die Erfolge von optischer Iridectomie bei Leukomen an der Würzburger Augenklinik in den Jahren 1925-1929 [Würzburg] 20p. 8°. Ochsenfurt a. M., 1931.

Atkinson, D. T. The artificial pupil as a means of restoring vision. J. Ophth. Otol., 1929, 33: 155-62.—**Cantonnet, A.** Les iridectomies; variétés et indications. Prat. méd. fr., 1929, 8: 132-6.—**Rocher, C.** L'iridectomie optique doit être une opération d'exception. Arch. opht., Par., 1931, 48: 825-8.—**Vannas, M.** Die exzentrische Mydriasis beim Stellen der Indikation der optischen Iridectomie. Klin. Mbl. Augenh., 1929, 83: 476-82.

— Method.

See also Cataract, Surgery; Methods: Iridectomy; Glaucoma, Surgery; Method: Iridectomy.

Advantage of atropine in peripheral iridectomy. Bull. Pract. Ophth., S. Franc., 1941, 11: 56-9.—**Cantonnet, A.** La pupille artificielle (capsulotomie et capsulectomie) Monde méd., 1928, 38: 904.—**Carreras, B.** La iridectomia ab externo. Arch. oft. hisp. amer., 1931, 31: 481-7.—**Dieter, W.** Zur Technik der Iridectomie, subconjunktive Messeriridectomie. Klin. Mbl. Augenh., 1940, 105: 399.—**Hanssen, R.** Zur Technik der Iridectomie. Zschr. Augenh., 1930, 72: 45.—**Lindenmeyer.** Erfahrungen mit der Iridectomia ab externo. Klin. Mbl. Augenh., 1938, 100: 610.—**Löwenstein, A.** Lanzentransfixion. Zschr. Augenh., 1929, 67: 68.—**Moulié, H. B., &**

Malbrán, J. Iridectomia ab externo. Congr. argent. oft. (1936) 1938, 1. Congr., 2: 365-9.—**Rones, B.** The Wiener iridocapsulectomy. Arch. Ophth., Chic., 1934, n. ser., 11: 976-81.—**Salzmänn, M.** Die Iridectomia ab externo. Zschr. Augenhe., 1937, 93: 1-30.—**Terson, A.** Choice of site and technic for optical iridectomy in zonular cataract. Arch. Ophth., Chic., 1935, 14: 1049.—**Turner, W. Y.** Iridectomy scissors. Brit. M. J., 1935, 1: 1126. Also Lancet, Lond., 1935, 1: 1279.—**Vogt, A.** Iridectomia tangentialis. Schweiz. med. Wschr., 1938, 68: 571.—**Wagner, H.** L'importance de l'iridectomie tangentielle. Arch. opht., Par., 1939, n. ser., 3: 602.

IRIDENCLEISIS.

See also Eye injury; Glaucoma, Surgery; Method: Iridencleisis; Iris, Prolapse.

Denig, R. Isolierung älterer entzündlicher Irisinkarzerationen und Prolapse. Klin. Mbl. Augenhe., 1927, 79: 599-601.—**Herbert, H.** An iris-inclusion complication. Brit. J. Ophth., 1926, 10: 380-4.

IRIDEREMIA.

See also Cataract, congenital.

DEKKER, L. *Beitrag zur pathologischen Anatomie der traumatischen Aniridie. 24p. 8°. Rost., 1919.

KREMSER, G. *Ueber einen seltenen Fall von traumatischer Aniridie mit kleiner Perforationsöffnung in der Sklera. 19p. 8°. Berl., 1935.

Agnello, F. Un caso di aniridia completa traumatica. Lettura oft., 1925, 2: 171-4.—**Bicringer, S.** Linsenextraktion bei Aniridie. Klin. Mbl. Augenhe., 1932, 88: 744-7.—**Brooks, H. L.** An interesting case of aniridia. Tr. Indiana Acad. Ophth. Otol., 1933, 91-5. Also Eye Ear & Month., 1935-36, 14: 62.—**Fiore, T.** Su di un raro caso di aniridia totale traumatica. Boll. ocul., 1936, 15: 865-70, pl.—**Galloway, N. P. R.** Aniridia. Proc. R. Soc. M., Lond., 1934-35, 28: 1409.—**Joubert, L. de G.** Présentation de deux cas d'aniridie ou iridémie. J. Hotel Dieu Montréal, 1938, 7: 255-8.—**Lagrange, H., & Darquier, J.** Un cas d'aniridie non congénitale. Bull. Soc. opht. Paris, 1926, 289.—**Lampis, E.** Colesterinosi in oculo aniridico. Boll. ocul., 1933, 12: 547-59.—**Lijo Pavia, J., & Dusseldorp, M.** Anillo de Soemmering y aniridia traumática. Rev. otoneur., B. Air., 1934, 9: 39-44.—**Malbrán, J.** Sobre lesiones traumáticas del iris; desaparición parcial del iris; desaparición total, irideremia. Rev. As. méd. argent., 1938, 52: 1225-8.—**Montanelli, G.** Aniridia totale traumatica. Lettura oft., 1925, 2: 370-5.—**Mura, F.** L'aniridia totale bilaterale. Monit. zool. ital., 1933, 44: Suppl., 223-30, pl.—**Schwartz, V. J.** Aniridia. Minnesota M., 1933, 16: 705.—**Streiff, J.** Demonstration des physikalisch-optischen Faktoren der Sehstörung bei Aniridie und im albinotischen Auge nebst Bemerkungen zu den Müllerschen Lichtschutzschalen. Klin. Mbl. Augenhe., 1932, 89: 625-8.—**Vannas, M.** Ueber die Einwirkung der Miotika und Mydriatika in experimenteller Aniridie; ein Beitrag zur Frage: Iris, Pupillenbewegungen und Augendruck. Acta opht., Kbh., 1932, 10: 588-602.—**Williamson, B. K.** Traumatic aniridia. Am. J. Ophth., 1942, 25: 1500.

— congenital.

BERNARD, R. J. *Contribution à l'étude de l'aniridie congénitale. 35p. 8°. Paris, 1926.

Appelmans, M., & Michiels, F. Aniridie congénitale bilatérale. Bull. Soc. belge opht., 1936, No. 73, 36-8.—**Castelli, A.** Osservazioni cliniche e biomicroscopiche sopra un caso di aniridia congenita. Ann. ottalm., 1933, 61: 612-25, pl.—**Cavallacci, G.** Un caso di aniridia bilaterale congenita con eoloboma lentis. Arch. ottalm., 1936, 43: 121-45, pl.—**Croll, L. J.** Aniridia occurring in 3 generations. Arch. Ophth., Chic., 1929, n. ser., 2: 699-701.—**Ferrer, H., & Ferrer, O.** Aniridia hereditaria en 4 generaciones. An. Acad. cienc. méd. Habana, 1938-39, 75: 449-54.—**Gallenga, R.** L'operazione della cataratta nell'aniridia congenita. Rass. ital. ottalm., 1938, 7: 168-77.—**Gallois, J., & d'Autrevaux, Y.** Double aniridie congénitale. Bull. Soc. opht. Paris, 1926, 279-82.—**Kajkowski, Z.** [Case of congenital absence of the iris] Nowiny lek., 1939, 51: 79.—**Kanda, K.** A case of congenital aniridia. Taiwan igakkai zasshi, 1929, 46-8.—**LaMotte, W. O.** Congenital aniridia; report of a case. Delaware M. J., 1929, 1: 109.—**Lewis, J. B.** Aniridia in 4 generations. Med. J. Australia, 1926, 1: 489.—**Mariotti, C.** Osservazioni a proposito di un caso di aniridia bilaterale congenita. Bull. sc. med., Bologna, 1937, 109: 51-63.—**Mosecard, P.** Contributo alla conoscenza della così detta aniridia congenita; casi di aniridia totale e parziale nella stessa famiglia. Boll. ocul., 1935, 14: 1421-30.—**Neher, E. M.** Aniridia congenita, irideremia. Am. J. Ophth., 1938, 3. ser., 21: 293-8.—**Páez Allende, F.** Aniridia; falta congénita del iris. Sem. méd., B. Air., 1942, 49: pt. 2, 1045-7.—**Pavisić, Z.** [Bilateral congenital aniridia with subluxation of the lens] Liječ. vjes., 1941, 63: 17-20.—**Reichling, W.** Congenital aniridia. Arch. Ophth., Chic., 1938, 19: 154.—**Reid, A. M.** Case of congenital aniridia fitted with pigmented contact glasses. Tr. Ophth. Soc. U. K., 1938, 58:

434.—**Rollet, J.** Aniridie congénitale avec cataracte. Lyon méd., 1929, 143: 333-6.—**Rosenberg, W.** Bilateral congenital total aniridia with beginning cataracts. Am. J. Ophth., 1943, 26: 614 (Abstr.).—**Rush, C. C.** Congenital aniridia. Tr. Am. Ophth. Soc., 1926, 24: 332-41, 2 pl.—**Satanowsky, P.** Aniridia congénita, subluxación hacia arriba del cristalino cataratoso y con eolomba; intervención quirúrgica. Rev. As. méd. argent., 1933, 46: 3431-4.—**Seefelder, R.** Zum Wesen der Aniridia congenita. Tr. Internat. Ophth. Congr. (1929) 1930, 13. Congr., 1: 251.—**Smith, J. W.** Aniridia: report of 3 cases in 1 family. Arch. Ophth., Chic., 1936, 15: 956.

IRIDESCENCE.

See also Light; Spectrum.

Bancroft, W. D. Newton and the peacock. J. Phys. Chem., 1924, 28: 351-9.—**Gaudin, A. M.** The identification of opaque solids by selective iridescent filming; optics. Ibid., 1937, 41: 811-59.

IRIDIAGNOSIS.

See Iridodiagnosis.

IRIDIUM.

See also Platinum.

BIEHLER, F. *Katalytische Wirkung von kolloidalem Iridium; zur Kenntnis der Hydrazone der Dithiokohlensäureester [Erlangen] 82p. 8°. Ellwangen-Jagst, 1914.

HOYERMANN, J. D. *Studien über das Iridium; das Atomgewicht des Iridiums. 41p. 8°. Erlangen, 1911.

Also Sitzber. Phys. Med. Soc. Erlangen (1910) 1911, 42: 258-93.

OTTENSTEIN, B. *Beiträge zur Kenntnis der Platinmetalle: Ueber das Verhalten von Wasserstoff gegen Palladium und Iridium; über Hexachloroirideate. 51p. 8°. Erlangen, 1914.

Babaeva, A. V., Belova, V. I., & Borovik, S. A. Spectrum analysis of small amounts of iridium and rhodium in platinum preparations. C. rend. Acad. sc. URSS, 1942, 37: 101-3.—**Christian, W. W.** Iridium and its power as a medicinal agent to promote, sustain and prolong life. North Am. J. Homoeop., 1903, 51: 752-6.—**Delépine-Tard, M.** Dérivés bromo-dipyrindines de l'iridium. C. rend. Acad. sc., 1935, 200: 1477.—**Lebedinsky, V. V., & Gurin, M. M.** On iridium amino-sulphite compounds. C. rend. Acad. sc. URSS, 1941, 33: 241-3. On a new series of iridium sulphito-chlorides. Ibid., 1942, 36: 22-5.—[Production of iridium measured by international standard] Ny pharm. tid., Kbh., 1875, 7: 13.—**Zinno, A., & Cutolo, A.** Il cloruro d'iridio con speciale riguardo alla sua azione disinfettante. Gior. Ass. napol. med. natur., 1903, 14: 82-5.

IRIDOCOROIDITIS.

See also Choroiditis; Iritis; Uveitis.

IMMERMANN, G. *Die Erfolge der Iridectomie bei Iridochoroiditis. 107p. 8°. Basel, 1903.

Bonnet, P. Irido-choroidite septique associée à une rétinite septique par embolie d'une branche de l'artère centrale de la rétine, au cours d'une endocardite infectieuse. Bull. Soc. opht. Paris, 1937, 755-7.—**Brusselmans, P.** Uvéo-ténonite métastatique; irido-choroidite et ténonite simultanées et indépendantes. Arch. opht., Par., 1925, 42: 731-4.—**Cange, A., & Duboucher, H.** Un cas d'irido-choroidite métastatique d'origine appendiculaire. Gaz. hôp., 1928, 101: 1097-102.—**Chailious, J., & Robin, V.** Irido-choroidite bilatérale chez un chat tuberculeux. Bull. Soc. opht. Paris, 1932, 166-9.—**Nicaud, P., Laudat, M., & Gerbeaux, J.** Spirochétose méningée avec léger subictère; augmentation considérable de la lipidémie et du rapport Lipides totaux/cholestérol du sang; irido-cyclo-choroidite bilatérale. Bull. Soc. méd. hôp. Paris, 1937, 3. ser., 53: 959-66.—**Rubio, J.** Contribution à l'étude des irido-choroidites. Rev. sudamér. méd., Par., 1930, 1: 715-9.—**Spindler, H.** Double irido-choroidite généralisée. Bull. Soc. méd. mil. fr., 1923, 17: 178-81.—**Terrien, F.** Irido-choroidite infectieuse (ophtalmie métastatique) Rev. gén. clin. théor., 1933, 47: 497-502.

IRIDOCYCLITIS.

See also Ciliary body; Iridochoroiditis; Iritis; Uveitis.

Brobeek, V. H. Iridocyclitis. Am. J. Ophth., 1939, 3. ser., 22: 914.—**Brooks, W. D. W., Juler, F.** [et al.] Discussion on iridocyclitis. Proc. R. Soc. M., Lond., 1940-41, 34: 351-62.—**Doggart, J. H.** Iridocyclitis. Brit. M. J., 1935, 2: 806; 1936, 1: 249-53.—**Harry, P. A.** Iridocyclitis. Med. Times, Lond., 1935, 63: 189.—**MacRae, A.** Some problems of chronic irido-

cyclitis. Tr. Ophth. Soc. U. K., 1929, 49: 495-501.—Norton, E. Report of a case of chronic irido-cyclitis. J. Ophth. Otol., 1926, 30: 217-9.—Williams, E. Iridocyclitis. Brit. M. J., 1936, 1: 387.

Etiology.

ALBATH, K. B. K. *Beitrag zur Aetiologie der spontanen Iridocyclitis. 23p. 8°. Rostock, 1918.

BRENTANO, H. *Ein Fall von Irido-cyklitis gonorrhoea im Säuglingsalter, zugleich ein Beitrag zur Frage der congenitalen Gonorrhoe [Frankfurt] p.315-25. 8°. Berl., 1931.

Also Mschr. Kinderh., 1931, 50:

TSCHUMI, T. F. *Albuminometría y citología del humor acuoso en el diagnóstico etiológico de las irido-ciclitis [Chile] 69p. 26½cm. Santiago, 1938.

Albrich, K. [Cases of endogenous iridocyclitis] Magy. orv. nagyhét jegyzőke, 1931, 30.—Bakker, G. [Case of iridocyclitis after treatment with Pomdors's vaccine B] Ned. tschr. genesk., 1926, 70: pt 2, 2459.—Bargy, M. Trois cas d'iridocyclite à trypanosomes. Clin. opht., Par., 1928, 32: 271-8.—Berens, C., & Nilson, E. L. Experimental acute iridocyclitis in rabbits produced by coliform bacteria isolated from the upper respiratory tract of man. Tr. Am. Ophth. Soc., 1940, 38: 214-26, pl. Also Am. J. Ophth., 1941, 24: 645-54.—Blanc, G., & Martin, L. A. Iridocyclite expérimentale provoquée par virus typhique. C. rend. Acad. sc., 1935, 200: 865-7.—Brooks, W. D. W., Juler, F. A., & Williams, E. R. On the relationship between chronic iridocyclitis and tuberculosis, and the appropriate therapy. Brit. J. Ophth., 1940, 24: 317-66, 12 pl.—Frisch, A. V., & Pillat, A. Zur Frage der tuberkulösen Aetiologie der Iridocyclitis und zur Aetiologie der Iridocyclitis mit unbekannter Ursache. Arch. Ophth., Berl., 1928-29, 121: 504-25.—Grolman, G. von. Iridocyclitis postquirurgica y postraumática y alergia bacilosa. Arch. oft. B. Aires, 1940, 15: 519-23. Also Prensa méd. argent., 1940, 27: pt 2, 1639-41.—Houssiau, F. A propos d'iridocyclite vraisemblablement en rapport avec une dysenterie ambienne. Bruxelles méd., 1931-32, 12: 9.—Hulla, F. [Etiology of iridocyclitis] Cas. lék. česk., 1933, 72: 684-7.—Johansson, E. Zur Aetiologie der Iridocyclitis. Zschr. Augenh., 1937, 92: 154-8.—Kemp, R. A note on chronic irido-cyclitis; with special reference to the sarcoidosis of Boeck. Brit. J. Ophth., 1939, 23: 455-60.—Kindt, P. [Neuritis optica and iridocyclitis of rhinogenous, focal origin with demonstration of a case] Ugeskr. læger, 1940, 102: 1299-302.—Krückmann, E. Aetiologie und Therapie der chronischen Iridocyclitis. Zschr. ärztl. Fortbild., 1926, 23: 613-7.—Kubik, J. Ueber endogene Iridocyclitis; nebst Bemerkungen über die Bedeutung der Oralsepsis. Med. Klin., Berl., 1926, 22: 612-5.—Lagrange, H., & Goulesque, J. Irido-cyclite et infection focale; allergie, système réticulo-endothélial, clasoéginines. Ann. ocul., Par., 1938, 175: 493-507.—Latschneider, J. Hartnäckige, zur Erblindung führende Iridocyclitis rasch und dauernd geheilt durch Wurzelspitzenresektion. Zschr. Stomat., 1935, 33: 257-9.—Lestage & Souloumiac. Syndrome oculaire à forme de cyclite déterminé par l'instillation de la solution obtenue au moyen de grains de vals. Arch. méd. pharm. nav., 1927, 117: 64-8.—Lundsgaard, K. K. K. A case of iridocyclitis in association with febris undulans nostra. Acta ophth., Kbh., 1928, 6: 408-10.—McMenemy, W. H. Laboratory aids in the detection of aetiological factors in iridocyclitis. Tr. Ophth. Soc. U. K., 1939, 59: pt 2, 817-27.—Meyer, F. W. Lymphogranulomatosis benigna (Boecksches Sarkoid) und Iridocyclitis. Klin. Mbl. Augenh., 1938, 100: 377-94.—Meyer, H. Iridocyclitis congenita. Ibid., 1930, 85: 55-61.—Nordsted, A. [Case of relapsing adenitis and iridocyclitis in a patient with pernicious anemia] Hospitalstidende, 1934, 77: Oft. selsk. foih., 31.—Orloff, K. C. Zur Aetiologie der postoperativen Iridocyclitis; vorläufige Mitteilung. Klin. Mbl. Augenh., 1928, 80: 326-9.—Palin, A. Intra-uterine iridocyclitis. Tr. Ophth. Soc. U. K., 1938, 58: 453.—Roche, W. J. Bilateral iridocyclitis secondary to parotitis. Ibid., 460.—Urioste, J. P., & Garbino, C. Un caso de irido-ciclitis en el curso de una fiebre tifoidea tratada y curada por el método de choque. Arch. urug. med., 1941, 19: 289-92.—Velhagen, C. Eitrige Iridocyclitis mit Gonokokken im Augennern. Klin. Mbl. Augenh., 1937, 98: 20-3, pl.—Vogt, A. Gliom unter dem Bilde der Iridocyclitis mit verschiedenen Kugelpilzpräzipitaten. Ibid., 1940, 104: 309-11.—Wardale, J. D. Irido-cyclitis from sepsis. Tr. Ophth. Soc. U. K., 1929, 49: 493.—Williams, E. R. On the radiological aspects of an investigation into the relationship of chronic irido-cyclitis, uveo-parotitis and tuberculosis. Brit. J. Radiol., 1941, 14: 116-27.—Wood, E. J. F., & Ellis, D. Isolation of streptococci (in pure culture) from teeth, in a case of arthritis and iridocyclitis. Austral. J. Dent., 1937, 41: 221-6.—Worms, G. Irido-cyclite grave d'origine dentaire. Rev. stomat., Par., 1936, 38: 1-6.

glaucomatous.

See also **Glaucoma**, Iris.

BOGORAZ, E. *De l'hypertension au cours des irido-cyclites. 70p. 8°. Par., 1931.

Cardello, G. Sull'irido-ciclite ipertensiva. Rass. ital. ottalm., 1937, 6: 698-718.—Cattaneo, D. Le iridociclitis ipertensive. Boll. ocul., 1936, 15: 1115-41.—Coppez, J. Les iridocyclites avec hypertension. Bull. Soc. belge opht., 1930, 67-73.—Greeves, A., McMullen, W. H. [et al.] Discussion on the causes and treatment of irido-cyclitis with raised tension. Tr. Ophth. Soc. U. K., 1928, 48: 45-82.—Hagen, S. Ueber Atropinbehandlung von Iridocyclitis glaucomatosa. Acta ophth., Kbh., 1925, 3: 96-8.—Larsen, H. Ueber das Verhältnis zwischen Iridocyclitis und Glaucom. Ibid., 1923, 1: 345-52.—Ueber Atropinbehandlung bei Iridocyclitis glaucomatosa. Ibid., 1925, 3: 99-107.—Marbaix, A. propos d'un cas d'irido-cyclite avec hypertension (rôle d'une nécro-biose pupilaire) Bull. Soc. belge opht., 1935, No. 71, 204-9. Also Bruxelles méd., 1936-37, 16: 1944-7.—Pacalin, G. De l'emploi de l'atropine et des ponctions de la cornée dans le traitement des irido-cyclites avec hypertonie. Ann. ocul., Par., 1934, 171: 237-44.—Rousseau, F. L'hypertonie dans les irido-cyclites aiguës, indications du traitement chirurgical. Ibid., 1931, 168: 603-19.—Satanowsky, P. Iridociclitis a hipopion y glaucoma. Arch. oft. B. Aires, 1939, 14: 1024-7.—Tooke, F. T. Some features of glaucoma complicating iridocyclitis. Am. J. Ophth., 1928, n. ser., 11: 97-106.—Weekers, L. Traitement de l'hypertension oculaire compliquant les iridocyclites. Bull. Soc. belge opht., 1935, No. 71, 96-127. Also Arch. opht., Par., 1936, 53: 166-96.—Weingott, L. Pathogénie, étiologie et traitement de l'irido-cyclite glaucomateuse. Ibid., 672-84.—Werner, L. E. Case of iridocyclitis with glaucoma in an aphakic eye with diabetic retinopathy. Tr. Ophth. Soc. U. K. (1941) 1942, 61: 255.

Pathology.

MOLSER, H. *Ueber einen Fall von rezidivierender eitriger Iridocyclitis mit anatomischem Befund [Berlin] 29p. 23cm. Charlottenb., 1936.

WEISS, K. *Ueber einen Fall von schwerer chronischer Iridocyclitis, kombiniert mit Retinitis externa exsudativa [Heidelberg] 16p. 8°. Coburg, 1934.

Busacca, A. Des modifications qu'on observe par la lampe à fente dans le segment antérieur du globe oculaire au cours de irido-cyclites. Rev. gén. opht., Par., 1931, 44: 93, 133.—Anatomische und klinische Beobachtungen der Pupillarsaumknötchen (Koeppeschen Knötchen) bei Iridocyclitis. Klin. Mbl. Augenh., 1932, 88: 14-40, 2 pl.—& Melli, G. Beobachtungen betreffend die Anordnung von Iridocyclitis-beschlägen auf der Linsenvorderkapsel; Auftauchen einer ringförmigen exsudatfreien Zone und ihre Bedeutung. Ibid., 1928, 80: 308-25, pl.—Espildora Luque, C., & Tschumi Trautvetter, F. Albuminometría y citología del humor acuoso en las iridociclitis. Arch. oft. B. Aires, 1940, 15: 159-66.—Goulding, H. R. Case of irido-cyclitis with nodules on the iris. Tr. Ophth. Soc. U. K., 1929, 49: 522.—Herbert, H. Glass membrane formation in chronic irido-cyclitis. Ibid., 1927, 47: 155-64.—Hippel, E. von. Ein Fall von Iridocyclitis mit rezidivierendem Hypopyon mit anatomischem Befund. Arch. Ophth., Berl., 1932, 128: 272-9.—Ladekari, P. M. Iridocyclitis mit Corneanästhesie und Hypotonie mit tiefer vorderer Kammer. Acta ophth., Kbh., 1936, 14: 477-92, tab.—Meesmann, A. Zur Genese der sogenannten Pupillarsaumknötchen (Koeppeschen Knötchen). Ber. Deut. ophth. Ges., 1927, 46: 300-5.—Österberg, G. Iridocyclitis with central scotoma. Acta ophth., Kbh., 1931, 9: 310-5.—Pavia, J. L. Un caso de agujero de la mácula por iridociclitis grave de etiología desconocida. Rev. Ass. méd. argent., 1932, 45: 1433-45.—Tanaka, S. [Ueber einen Fall von rezidivierender Hypopyoniridocyclitis] Acta Soc. ophth. jap., 1941, 45: 747-52.—Vogt, A. Zur Histologie der Irisefloreszenzen (Irisrußbakteriell) bei skroföser Iridocyclitis. Klin. Mbl. Augenh., 1939, 102: 246-8.—Wagner, H. Histologischer Befund einer Cornea guttata bei chronischer Iridocyclitis. Ibid., 1940, 104: 344.—Wolff, E. Macular detachment in iridocyclitis. Proc. R. Soc. M., Lond., 1931, 24: 1617-24.

Poliotic syndrome.

See also **Uveitis**, Poliosis [Vogt-Koganagy]

Borochovich, S. [Case history of traumatic iridocyclitis of right eye, causing hairs of eyebrow and eyelash to turn white] Vrach. delo, 1928, 11: 476.—Bunge, E. Ueber doppelseitige Iridocyclitis und Poliosis. Arch. Augenh., 1933-34: 108: 212-25.—Jess, A. Poliosis, Vitiligo und doppelseitige schwerste Iridocyclitis bei Dystrophia adiposogenitalis. Ber. Deut. ophth. Ges., 1932, 49: 469-73.

Prognosis.

Blatt, N. Akkommodationsstörungen nach Iridocyclitis. Arch. Ophth., Berl., 1930, 125: 125-46.—Duke-Elder, S. The prognosis of iritis and iridocyclitis. Lancet, Lond., 1934, 2: 1001-3.—Heine, L. Regenbogenhaut- und Strahlenkörperentzündung, Sehstörungen und Lebensdauer. Deut. med. Wschr., 1933, 59: 1871-3.—Miklós, A. Die Spätprognose der operierten Iridocyclitisfälle. Arch. Ophth., Berl., 1938, 139: 403-12.—Das Spätschicksal der Iridocyclitis-kranken. Ibid. 1940-41, 142: 203-12.

rheumatic and spondylitic.

See also Iritis.

Ascher, K. Spondylarthritis ankylopoetica und Iridocyklitis. Med. Klin., Berl., 1936, 32: 666-9.—Engelking, E. Ueber die Behandlung der chronischen Iridocyklitis und Scleritis rheumatica mit intravenösen Melubrininjektionen, insbesondere bei arzneimittelführenden Patienten. Klin. Mbl. Augenh., 1927, 78: 540-6.

sympathetic.

See also Ophthalmia, sympathetic.

Asbill, D. S. The indications for enucleation in traumatic iridocyclitis. South. M. & S., 1930, 92: 594-6.—Bride, T. M. Case of sympathetic irido-cyclitis. Tr. Ophth. Soc. U. K., 1927, 47: 393.—Marin Amat, M., & Marin Enciso, M. Iridocyclitis de tipo simpatizante curado por la autohemoterapia. Arch. oft. hisp. amer., 1932, 32: 373-8.—Meller, J. Ueber die baziilläre Aetiologie der Ophthalmia sympathica und mancher Fälle von Iridocyclitis posttraumatica. Zschr. Augenh., 1934, 83: 145-62. — Akute eitrige Infektion und chronische Iridocyclitis im verletzten und im unverletzten Auge. Aerztl. Prax., Wien, 1938, 12: 289-92. Also Wien. klin. Wschr., 1938, 51: 998-1001.—Onfray, R., Dieu & Suys. Iridocyclite séreuse récidivante d'origine sympathique. Bull. Soc. ophth. Paris, 1933, pt 2, 632-8.—Terrien, F. Iridocyclites et ophthalmie sympathique. Rev. gén. clin. théor., 1937, 51: 401-5.—Wood, D. J. An unusual result following traumatic irido-cyclitis. Brit. J. Ophth., 1932, 16: 546.—Yap [Case of sympathetic irido-cyclitis] Geneesk. tschr. Ned. Indië, 1941, 81: 1573.

syphilitic.

See under Syphilis.

Treatment.

CUERVO Y CASTILLO, T. *Contribución a l'étude du diagnostic et du traitement des iridocyclites aiguës diffuses. 48p. 8° Par., 1937.

Brown, A. L. Subconjunctival injections of atropin and adrenalin in iridocyclitis. Am. J. Ophth., 1929, 3 ser., 12: 118.—Fuchs, A. Surgical treatment for iridocyclitis. Arch. Ophth., Chic., 1934, n. ser., 11: 591-603.—Henderson, T. The treatment of iridocyclitis with vaccines of Kilian Clarke's specific strains of streptococci. Tr. Ophth. Soc. U. K., 1930, 50: 627-33.—Hessberg, R. Rapport sur la roentgentherapie des iridocyclites et des affections vasculaires de l'oeil. Schweiz. med. Wschr., 1940, 70: 1066.—Heuven, J. A. van. Ueber Glaukosan-Iontophorese. Arch. Augenh., 1932, 106: 625-32.—Kapp, J. Hartnäckige Iridocyclitis geheilt durch Wurzelbehandlung. Zschr. Stomat., 1935, 33: 719-21.—Kessler, R. [On treatment of chronic iridocyclitis with gold] Cesk. oft., 1937, 3: 20-2.—Litchworth, T. W. Diseases of the iris and ciliary body; a case of cyclitis of 24 years' standing cured by tonsillectomy. Tr. Ophth. Soc. U. K., 1940, 60: 155-61.—Morgan, O. G. The application of heat by diathermy in iridocyclitis. Proc. R. Soc. M., Lond., 1927-28, 21: Sect. Ophth., 14-8.—Richter, P. A. Control of pain in acute iridocyclitis with isoamylhydrcupreine. Arch. Ophth., Chic., 1942, 27: 579-81.—Rodin, F. H. Treatment of iridocyclitis by subconjunctival injections of atropin and epinephrin. Am. J. Ophth., 1926, 3 ser., 9: 24-34. Also Arch. Ophth., N. Y., 1927, 56: 277-80.—Stamberger, J. [Radical operation in treatment of iridocyclitis with suppuration in Highmore antrum] Gyógyászat, 1926, 66: 107.

tubercular.

See also Tuberculosis, ocular.

ACHERMANN, E. *Klinisch-statistischer Beitrag zur Kenntnis der Iridocyclitis tuberculosa. 22p. 8° Basel, 1926.

Also Schwiz. med. Wschr., 1926, 56: 1119-25.

ALEXIU, A. *Die Röntgentherapie der Iridocyclitis tuberculosa [Leipzig] 16p. 8° Oschatz, 1928.

REICHERT, L. *Ein Rezidivfall von Iridocyclitis tuberculosa nach Eigenblutinjektion nebst Beitrag zur Kenntnis der Cyclitis tuberculosa [Würzburg] 23p. 8° Aschaffenburg, 1935.

Addario La Ferla, G. Sull'efficacia terapeutica del siero dei tracomatosi nella cura delle irido-ciclit tuberculari. Lettura oft., 1925, 2: 513-6.—Bertoldi, M. Sugli infiltrati noduliformi dell'iride nelle iridociclit croniche e sul loro rapporto colla tuberculosi. Rass. ital. ottalm., 1932, 1: 922-47.—Blegvad, O. [Iridocyclitis tuberculosa] Hospitalstidende, 1938, 81: Oft. skelsk. forh., 35-45.—Brown, E. V. L. El tratamiento moderno de la iridociclit tuberculosa. Med. ibera, 1933, 27: pt 1, 589.—Gargiulo, M. Iridociclit tuberculosa trattata con raggi Röntgen. Arch. radiol. Nap., 1930, 6: 253.—Hallermann, W. Ueber die operative Behandlung der tuberkulösen Iridocyclitis.

Klin. Mbl. Augenh., 1939, 102: 318-21.—King, C. Tubercular iridocyclitis as observed with the slit-lamp with remarks on tuberculin treatment. Arch. Ophth., N. Y., 1926, 55: 563-74. Also Ohio M. J., 1926, 22: 939-44.—Tuberculous iridocyclitis as a cause of the heterochromia of Fuchs. Tr. Am. Ophth. Soc., 1927, 25: 380-412.—Knapová, F. [Tubercular iridocyclitis] Cas. léc. česk., 1933, 72: 875-8.—Kyrieles, W. Zur Technik und Wirkungsweise der Eigenbluteinspritzung in die Vorderkammer bei tuberkulöser Iridocyclitis nach Schieck. Zschr. Augenh., 1934-35, 85: 16-23, tab.—Meller, J. Welche Bedeutung hat die Tuberkulose für die Iridocyclitis? Wien. klin. Wschr., 1926, 39: 336. — Positives Ergebnis der Gewebeskultur auf Tuberkelbazillen bei Atrophia bulbi nach spontaner Iridocyclitis mit uncharakteristischem histologischen Befunde. Ibid., 1939, 52: 349-51.—Moreu, A. El tratamiento de las iridociclit tuberculosas por la autohemoterapia en cámara anterior. Arch. oft. hisp. amer., 1933, 33: 699-703.—Pallarés Lluésma, J., & Castañeda Chornet, L. Contribución al estudio de las modificaciones hemáticas en las iridociclit tuberculosas. Rev. hig. tuberc., Valencia, 1934, 27: 89-91.—Siegrist, A. Auf welche Weise kann bei einer tuberkulösen Iridocyclitis die Hornhaut in Mitleidschaft gezogen werden? Klin. Mbl. Augenh., 1934, 93: 289-300, pl.—Stastnik, E. [Treatment of iridocyclitis in relation to tubercular iridocyclitis] Cas. léc. česk., 1933, 72: 873; 903.—Terrien, F. Iridocyclite tuberculeuse. Bull. méd., Par., 1932, 46: 311-6.—Vannas, M. Zur Technik der Eigenblutinjektionen nach Schieck bei Iridocyclitis tuberculosa. Klin. Mbl. Augenh., 1934, 92: 662.—Weill, G. L'interferométrie dans le diagnostic des irido-cyclites dites tuberculeuses. Ann. ocul., Par., 1933, 170: 913-5.

in animals.

PION, A. *Contribution à l'étude de l'hérédité de l'irido-cyclite primitive (fluxion périodique) du cheval [Alfort] 51p. 8° Par., 1928.

Bayon, H. P. Primary irido-cyclitis in fowls: a condition distinct from the eye lesions occurring in neuro-lymphomatosis. J. Comp. Path., Lond., 1936, 49: 310-9.—Greenfield, H. Iridocyclitis, ophthalmitis, amongst animals at war. Vet. J., Lond., 1940, 96: 178; 232.—Schlotthauer, C. F. Recurrent ophthalmia, iridocyclitis. Vet. Med., Chic., 1938, 33: 210-5.

IRIDODIAGNOSIS.

See also Diagnosis, Methods; Homeopathy; Iris, Color; Occultism.

BIDAURAZAGA, J. A. El diagnóstico por el iris. 285p. 23cm. Méx., 1939.

— Fundamentos científicos de la medicina a través del iris. 301p. 23cm. Méx., 1940.

COLLINS, F. W. Disease diagnosed by observation of the eye, as compiled by F. W. Collins [et al.] 1905-19. 2 pt. 122p.; 76p. 8° Newark, 1919.

GESCHER, J. Ueber Augendiagnose. 16p. 8° Berl. [1937]

HUMMEL, E. *Hält die Irisdiagnose einer ernsthaften Nachprüfung Stand? 28p. 8° Bresl., 1936.

KRITZER, J. H. Text-book of iridiagnosis. 280p. 8° Chic., 1921.

KRUMMEL, P. [W. K. E.] *Die Augendiagnose 19p. 8° Marb., 1926.

LILJEQUIST, N. Wegweiser zur Behandlung der chronischen Krankheiten auf Grundlage der Augendiagnose vermittelt der elektrohomöopathischen Heilmethode. 2. Aufl. 132p. 8° Lpz. [1921]

ORBELL, H. The science of iris-diagnosis. 42p. 19cm. Lond. [1938]

SALZER, F. Augendiagnose und Okkultismus. 98p. 8° Münch., 1926.

SCHLEGEL, E. Die Augendiagnose des Ignaz von Péczeley. 64p. 8° Lpz., 1921.

SCHOLTA, A. Wahres und Falsches an der Augen-Diagnose. 2. Aufl. 48p. 16° Lpz., 1927.

SCHULTE, K. Encyklopädie der Irisdiagnostik. 820p. 24cm. Köln, 1938.

TALLER, A. 168 kurze ärztliche Beweise für die Richtigkeit der Augendiagnose als diagnostisches Hilfsmittel. 106p. 8° Lpz., 1935.

THIEL, P. J. Die Augendiagnose; grosse historisch-kritische Ausgabe. 380p. 8° Lpz., 1925.

— Praktische Iriswissenschaft. 165p. 8° Lpz., 1927.

VANNIER, L. Le diagnostic des maladies par les yeux; iriscopie et irigraphie. 87p. 8° Par., 1923. Also 2. éd. 132p. 12° 1932.

BIRCH-HIRSCHFELD. Die Augendiagnose. Deut. med. Wschr., 1926, 52: 1975-8.—FLASCHENTRÄGER, H. Die Augendiagnose. Med. Welt, 1928, 2: 866.—FRESE, H. Gibt es eine Augendiagnose? Umschau, 1926, 30: 305-7.—G., G. En homöopatisk ögondiagnos och en misslyckad underkur. Hälsovården, 1912, 27: 13.—GUTZEIT, R. Gibt es eine Augendiagnose? Hippokrates, Stuttg., 1935, 6: 73-9.—HANNS, L. Irido-diagnostic. Bull. Soc. méd. S. Luc, Bourges, 1927, 33: 138-45.—HERZOG, H. Ueber Augendiagnose. Hippokrates, Stuttg., 1938, 9: 532-7. — Eine neuartige Reklame für die Augendiagnose. Ibid., 1939, 10: 65-7. — Wie und wann entstand die Augendiagnose (Irisdiagnose)? Ibid., 150-4.—KAYSER, B. Der Unsinn der Augendiagnose. Med. Korbl. Württemberg, 1925, 95: 185.—LACHMANN, H. Aertzliche Augendiagnose. Med. Welt, 1929, 3: 1365.—SALZER, F. Ueber die sogenannte Augendiagnose. Münch. med. Wschr., 1925, 72: 538. — Wahre und falsche Augendiagnose. Med. Welt, 1927, 1: 448-50. — Die sogenannte Irisdiagnose. Münch. med. Wschr., 1933, 80: 1146-8.—SCHLEICH, G. Nochmals die Augendiagnose. Med. Korbl. Württemberg, 1925, 95: 141-3.—SCHNABEL, R. Gibt es eine Augendiagnose? Hippokrates, Stuttg., 1935, 6: 347-52.—SCHWENIGER, F. Gibt es eine Augendiagnose? Ibid., 298-301.—TALLER, A. Gibt es eine Augendiagnose? Ibid., 428-33.—THIEL, P. J. Iris-Schlüssel zur Augen-Diagnose. colored ch., Lpz., 1924.

IRIDODIALYSIS.

MUSY, G. *Traitement chirurgical de l'iridodialyse traumatique. 51p. 25½cm. Lyon, 1939.

BADAUX, F. Un cas d'iridodialyse traumatique opéré et guéri; technique de Ben Witt Key. J. Hotel Dieu Montréal, 1936, 5: 241-8.—BETTMAN, J. W. Detachment of the pigment border of the iris. Arch. Ophthalm., Chic., 1942, 28: 57-60.—BONNET, P., & PAUFIQUE, L. Iridodialyse totale, le cristallin restant en place, par contusion ouverte du globe. Bull. Soc. opht. Paris, 1932, 702-6. Also Lyon méd., 1933, 151: 74-6.—BROECKE, V. H. Perforating injury of the globe, iridodialysis and possibly subconjunctival dislocation of the lens. Am. J. Ophthalm., 1935, 18: 362.—CORRADO, M. Sul meccanismo patogenetico del distacco del foglietto pigmentato posteriore dell'iride. Ann. ottalm., 1934, 62: 573-87, pl.—CZUKRÁSZ, I. Die Operation der Iridodialyse. Klin. Mbl. Augenh., 1938, 100: 721-4.—DUANE, A. Traumatic iridodialysis; spontaneous recovery. Am. J. Ophthalm., 1926, 3, ser., 9: 531.—EFFLER, L. R. Iridodialysis. In his Doctor's Diary, Toledo, 1942, 104.—FLEDELJUS, M. Iridodialysis traumatica. Acta ophthalm., Kbh., 1933, 11: 302-28. Also Hospitalstidende, 1933, 76: Oft. selsk. forh., 4.—GASTEIGER, H. Zur Operation der Iridodialyse nebst Bemerkungen über eine eigenartige Entstehung dieses Zustandes. Klin. Mbl. Augenh., 1939, 102: 537-40.—GOLDFEDER, A. E. Ueber die operative Behandlung der Iridodialyse. Ibid., 1932, 89: 229.—GRAVES, B. Dialysis of the posterior pigment layer of the iris. Proc. R. Soc. M., Lond., 1928-29, 22: Sect. Ophthalm., 50-2.—KEY, B. W. Extensive iridodialysis; operation, reattachment; a report of 2 cases. Arch. Ophthalm., Chic., 1932, n. ser., 7: 748-76, 2 pl. — Concerning iridodialysis as a clinical entity, its surgical treatment; report of cases. Tr. Am. Ophthalm. Soc., 1933, 31: 93-115, 7 pl. Also Am. J. Ophthalm., 1934, 3, ser., 17: 301-13.—LYDING, H. Ablösung und Aufsplitterung des vorderen Stromablattes der Iris. Klin. Mbl. Augenh., 1932, 89: 793-804, pl.—MANDICEVSKI, C. Ueber spontane Iridodialyse nach plötzlicher starker Blutung. Ibid., 1935, 94: 668-73.—NIZETIĆ, Z. Le traitement opératoire de l'iridodialyse traumatique. Ann. ocul., Par., 1935, 172: 775-83. — Chirurgische Behandlung der traumatischen Iridodialyse. Klin. Mbl. Augenh., 1938, 100: 900-4.—PISCHEL, D. K. Drei Fälle von Iridodialyse und Spinkterriess. Zschr. Augenh., 1926, 59: 156-60.—SCHLÖDTMANN, W. Zwei seltene Krankheitsbilder an einem Patienten (vollständige Abreissung der Iris bei nichtperforierender stumpfer Verletzung und Kera-toecoe bei Dystrophia marginalis corneae) Ibid., 1934-35, 85: 82-7.—SCHOENBERG, M. J. A case of detachment of the anterior layers of the iris. Arch. Ophthalm., N. Y., 1927, 56: 538-42, pl.—SCHWARTZ, V. J. Nonsurgical reattachment of iris in a case of traumatic iridodialysis. J. Am. M. Ass., 1935, 105: 1032. Also Am. J. Ophthalm., 1936, 3, ser., 19: 52.—SÉDAN, J. Etude d'une iridodialyse traumatique. Marseille méd., 1926, 63: 932. — Heurieuse influence d'une iridodialyse traumatique sur une occlusion pupillaire totale. Bull. Soc. opht. Paris, 1931, 254-6. — Quadruple rupture de l'iris, iridodialyse et subluxation du cristallin chez un boxeur; conservation d'une vision normale. Ibid., 1936, 626-35.—STERNES. Surgical repair of traumatic iridodialysis; Wheeler's method. Am. J. Ophthalm., 1941, 24: 943.—THIEL, R. Zur operativen Behandlung der traumatischen Iridodialyse. Klin. Mbl. Augenh., 1938, 100: 918.—WIEGMANN, E. Ein Fall von spontan erfolgter Anheilung einer traumatischen Iridodialyse. Ibid., 101: 423.

IRIDODONESIS [Hippus]

ROCH, M. *Un cas d'hippus respiratoire; de l'influence de la respiration sur les mouvements de l'iris. 90p. 8° Genève, 1903.

AURAND, L., & BREUIL, P. Contribution à l'étude de l'hippus pathologique; un cas d'hippus rythmé monolatéral compliquant une paralysie dissociée de la III^e paire. Arch. opht., Par., 1906, 26: 74-82.—LÖWENSTEIN, O. Ueber die Natur der sogenannten Pupillenunruhe; experimentell-kinematographische Untersuchungen. Mschr. Psychiat., 1927, 66: 126-47.—ROCH, M. Hippus persistant coïncidant avec de l'inégalité pupillaire et des troubles vaso-moteurs de la face. Arch. opht., Par., 1907, 27: 164-9. — Hippus circulaire. Rev. méd., Par., 1909, 29: 612-4.— — & CAMPICHE, L. Sur la coexistence de l'hippus respiratoire et du pouls dit paradoxal. Ibid., 661-4.—TONIETTI, F. L'hippus respiratorio nelle affezioni del mediastino. Policlinico, 1928, 35: sez. prat., 387-90.—WOOD, C. A. Hippus. In Am. Encycl. Dict. Ophthalm. (Wood) Chic., 1916, 8: 5940-2.

IRIDOPLEGIA.

See also Eye movement; Accommodation; Paralysis; Eye muscles; Paralysis; Iris; Reflex; Disorder; Ophthalmoplegia.

ADROGUÉ, E. Consideraciones sobre la oftalmoplegia interna con Westphal-Piltz conservado. Rev. espec., B. Air., 1926, 1: 1046-50.—AGNELLO, F. Valore semilogico e clinico dell'oftalmoplegia interna. Riv. otoneur., 1936, 13: 149-64.—BRAZEAU, G. N. Unilateral ophthalmoplegia interna syphilitica. Wisconsin M. J., 1928, 27: 557.—CONINCK, de. Un cas de mydriase uni-oculaire paralytique d'origine syphilitique. Ann. Soc. méd. Gand, 1914, n. ser., 5: 259-62. Also Belgique méd., 1914, 21: 255.—DELL'ACQUA, G. Atrofia muscolare progressiva neurale associata ad oftalmoplegia interna. Endocr. pat. cost., Bologna, 1935, n. ser., 10: 575-96.—FRENKEL, H., & CALMETTES, M. Sur un cas d'ophthalmoplégie interne monolatérale, seul symptôme de syphilis cérébrale. Arch. opht., Par., 1929, 46: 535-43.—GUTZEIT, R. Zur Arbeit von W. H. Kranz: Isolierte einseitige Lähmung des Spincter iridis bei Lesion congenita. Klin. Mbl. Augenh., 1927, 78: 266.—HEYSTER, H. Pupillenerstörungen und Lebensdauer. Zschr. Augenh., 1928, 65: 166-87.—LENZ, G. Ueber die anatomische Grundlage der Ophthalmoplegia interna. Ibid., 1929, 69: 102-13, 5 pl.—MENESTRINA, G. Considerazioni sulla cieco-iridoplegia traumatica e sua valutazione dal punto di vista medico-legale. Lettura oft., 1926, 3: 455-9.—MORGAN, O. G., & SYMONDS, C. P. Internal ophthalmoplegia with absent tendon-jerks. Proc. R. Soc. M., Lond., 1931, 24: 867-9.—PUGLISI-DURANTI, G. Contributo clinico alla conoscenza della oftalmoplegia interna. Riv. otoneur., 1935, 12: 256-83. — Su un altro caso di oftalmoplegia interna isolata. Boll. ocul., 1937, 16: 500-3.—REDSLOB, E. Ophthalmoplégie interne unilatérale au cours d'une rougeole compliquée de varicelle. Bull. Soc. opht. Paris, 1926, 367-71.—SÉDAN, J. Las enfermedades asociadas en oftalmología; coexistencia en 2 sujetos de iridoplegia tabética y de ambliopia nicotínica-efética. Rev. otoneur., B. Air., 1939, 14: 178 (Abstr.).—TAINTOR, C. Dilated rigid pupil. J. Am. M. Ass., 1942, 120: 1170.—WEILL, G., & DREYFUS, P. A. A propos du pronostic de la mydriase paralytique unilatérale. Rev. otoneur., Par., 1926, 4: 761.

IRIDOTASIS.

See under Glaucoma, Surgery; Methods.

IRIDOTOMY.

See also Glaucoma, Surgery; Methods.

BAKLY, M. A. el. Iridectomy technique modified to suit iridotomy cases. Bull. Ophthalm. Soc. Egypt, 1936, 29: 130-5.—GRÓSZ, I. Ueber Iridotomie. Zschr. Augenh., 1936, 89: 279-88.—MIRON-ELIASBERG. L'iridotomie limbaire (sagittale) dans les opérations sur le segment antérieur du globe oculaire. Arch. opht., Par., 1926, 43: 719-23.

IRIGOYEN, LUIS. Importancia de la anatomía y estado actual de los conocimientos fisiológicos en Alemania. 109p. 25cm. B. Air., La Penitenciaría Nac., 1939.

IRIS [bot.]

See Irideae.

IRIS [incl. pupil]

See also Ciliary body; Ciliary processes; Cornea; Eye; Lens; Retina; Uvea.

ESKELUND, V. Structural variations of the human iris and their heredity, with special reference to the frontal boundary layer. 243p. 25½cm. Kbh., 1938.

Barth, K. A. Der Bau der Iris des Schweines unter spezieller Berücksichtigung des Muskelapparates und der Funktionszustände. Arch. Ophth., Berl., 1927, 119: 60-76.—Bithis, A. Posizione del diaframma irideo nell'occhio. Boll. ocul., 1935, 14: 288-95.—Biozzi, G. Neuer Spaltlampenbefund im Bereich des Irisinterlappes: die zirkuläre Faltenbildung. Klin. Mbl. Augenh., 1935, 94: 646-51.—Fortin, E. P. L'iris. Sem. méd., B. Air., 1939, 46: pt 2, 207-15.—Freerksen, E. Die Struktur der menschlichen Iris und ihre Vererbung. Zschr. Anat. Entw., 1938-39, 109: 207-29.—Mann, I. The reptilian iris. Tr. Ophth. Soc. U. K., 1930, 50: 310-7.—Thiel. Zur Frage der Lymphwege in der Iris. Ber. Deut. ophth. Ges., 1927, 46: 14-21 [Discussion] 29-31.—Weninger, J. Zur anthropologischen Betrachtung der Irisstruktur. Mitt. Anthropol. Ges. Wien, 1932, 62: 223-6, pl.

— Abnormity.

GRIEFENBERG, H. *Ueber congenitale Irisanomalien [München] 11p. 8°. Neustadt, 1926.

KREUTZER, F. [G. L. H.] *Ueber angeborene Anomalien des vorderen Irisblattes. 28p. 8°. Rost., 1927.

Baratta, O. Alterazioni congenite famigliari dell'iride. Boll. ocul., 1937, 16: 339-54.—Cass, E. E. Congenital abnormality of iris. Proc. R. Soc. M., Lond., 1938-39, 32: Sect. Ophth., 1262.—Cassuto, N. Su di una malformazione iridea bilaterale. Boll. ocul., 1938, 17: 576-92.—Gartner, S. Anomalous processes of the ciliary type on the posterior surface of the iris. Am. J. Ophth., 1942, 25: 854-7.—Gasteiger, H. Ueber Missbildungen im Bereiche der Regenbogenhaut und des Kammerwinkels und ihre klinische Bedeutung. Klin. Mbl. Augenh., 1937, 99: 36-55.—Glüh, B. Ueber angeborenes Fehlen des vorderen Irisblattes. Zschr. Augenh., 1927, 63: 175.—Hausmann, G. Zwei Fälle von seltener Irismissbildung. Ibid., 1937, 92: 112.—Iwasaki, A. [Two cases of congenital miosis] Acta Soc. ophth. jap., 1941, 45: 499-504.—Koby. Une petite malformation congénitale: exubérance de la collette irienne. Arch. ophth., Par., 1926, 43: 349-51.—Leech, V. M. Persistent posterior fibrovascular sheath of the lens caused by fetal iritis. Arch. Ophth., Chic., 1930-31, 4: 332-7.—Liebitzky, H. Zur Kenntnis der angeborenen Irisanomalien; Aplasia semicircularis iridis circum pupillaris. Arch. Augenh., 1929, 100: 101-771-81.—Reese, A. B. The occurrence of ciliary processes on the iris. Tr. Am. Ophth. Soc., 1934, 32: 127-30; pl.—Rossano, R. Absence presque complète du feuillet mésodermique de l'iris dans 2 générations; hypertension oculaire concomitante et polycorie dans un cas. Bull. Soc. ophth. Paris, 1934, 8-17.—Streiff, J. Pigmentsternchengruppen auf der hinteren Linsenkapsel als Spur der Membrana capsularis in einem Fall von einseitiger Aniridie und Retinalpigmentmangel und Vorderblattanomalie der Iris am anderen Auge. Klin. Mbl. Augenh., 1926, 77: 609-18.—Uminissa-Chanum Mussa-Beili. Zur Kasuistik der chiffres de l'iris (van Duyse) Zschr. Augenh., 1928, 65: 344-6.—Villard, H., et Viallefant, H. Anomalie pupillaire bilatérale; persistance du sinus annulaire. Bull. Soc. ophth. Paris, 1936, 317-20.—White, B. V., & Fulton, M. N. A rare pupillary defect inherited by identical twins. J. Hered., 1937, 28: 177-9.

— Abnormity: Persistent pupillary membrane.

HACKER, A. *Ueber die operative Behandlung der Membrana pupillaris persistens. 18p. 22cm. Würzb., 1937.

Ali Bei Murad-Chan. Membrana pupillaris persistens corneae adhaerens, eine Wimper in der vorderen Augenkammer vortäuschend. Zschr. Augenh., 1928, 65: 346-8.—Bonnet. Un cas remarquable de persistance de la membrane pupillaire. Bull. Soc. ophth. Paris, 1936, 812-7.—Claes, E. Forme peu commune de reste de la membrane pupillaire. Bull. Soc. belge ophth., 1936, No. 73, 45-50.—Colomba, N. Un caso di ectopia bilaterale della lente con residui della membrana pupillare. Boll. ocul., 1931, 10: 585-90.—Cosmetatos, G. F. Sur une forme rare de persistance de la membrane pupillaire avec microphthalmie. Arch. ophth., Par., 1934, 51: 532-5.—Crebbin, A. R. Persistent pupillary membrane and congenital ectopia lentis. Am. J. Ophth., 1929, 3. ser., 12: 87-90.—Dejean, C. Vestige de membrane pupillaire; examen biomicroscopique. Bull. Soc. ophth. Paris, 1933, pt 2, 662-7.—Duane, A. A peculiar form of persistent pupillary membrane. Ophth. Rec., Nashville, 1902, 11: 139-42.—Dudinow, O. A. Ein seltener Fall von Membrana pupillaris persistens corneae adhaerens. Zschr. Augenh., 1933, 81: 336-41.—Galeazzi, C. Di una non comune osservazione di membrana pupillare persistente a eccezionale sviluppo. Boll. ocul., 1932, 11: 1046-57, pl.—Gesang, B. Ueber Membrana pupillaris persistens corneae adhaerens. Beitr. Augenh., 1904, H. 60, 42-7.—Hurtault, J. B., & Sverdieck, J. Membrana pupillaris persistens, con ectropion uveal, hipoplasiä del estroma y coloboma atípico del iris. Arch. oft. B. Aires, 1939, 14: 631-7.—James, G. B. A rare example of persistent capsulo-pupillary membrane. Tr. Ophth. Soc. U. K., 1900-01, 21: 168, pl.—Jeandelize, P. Reliquats vasculaires de la membrane pupillaire. Bull. Soc.

ophth. Paris, 1933, pt 2, 667.—Longuet. Restes de membranes pupillaires ou résidus inflammatoires? Ibid., 1935, 270.—Marback, H. Verification d'un aspect rare de membrane pupillaire persistante. Fol. clin. biol., S. Paulo, 1940, 12: 203-7.—Martins Rocha. Membrana pupilar persistente da iris à córnea. Arq. Inst. Pédico Burnier, 1940-42, 6: 149 (Abstr.).—Mikhailov, P. Y. Sluchai polycoriae et membranae pupillaris perseverantis. Vest. oft., 1909, 26: 651-4.—Montabaur, J. Contribution to the knowledge of the membrana pupillaris persistens of the dog. Vet. Bull., Lond., 1942, 12: 427 (Abstr.).—Munzert. Operativ angegangene Membrana pupillaris perseverans. Klin. Mbl. Augenh., 1937, 98: 391.—Noji, R. Ungewöhnliche persistierende Pupillarmembran. Ibid., 1930, 84: 63-5.—Pavia, J. L. Una forma no descrita de membrana pupilar persistente. Rev. As. méd. argent., 1932, 45: 1180-3.—Rieger, H. Beiträge zur Kenntnis seltener Missbildungen der Iris; Membrana iridopupillaris persistens. Arch. Ophth., Berl., 1933-34, 131: 523-30.—Rumschewitsch, K. Ein seltener Fall von persistierender Pupillarmembran. Arch. Augenh., 1902, 46: 154-62.—Schapring, A. [Eine angeborene Anomalie des rechten Auges; fadenförmiger Rest der embryonalen Pupillarmembran] N. Yorker med. Mschr., 1904, 16: 405.—Schlödttmann, W. Ueber die pathologisch verzögerte Rückbildung der Pupillarmembran und ihren Zusammenhang mit andern Erkrankungen. Klin. Mbl. Augenh., 1934, 93: 623-7.—Sokolie, P. Ein Fall von persistierender Pupillarmembran. Ann. paediat., Basel, 1939-40, 154: 236 (Abstr.).—Stephenson, S. A case of pigment on the anterior capsule of each lens, probably representing a rare type of persistent capsulo-pupillary membrane. Tr. Ophth. Soc. U. K., 1909-10, 30: 42.—Wintersteiner. Membrana pupillaris persistens cum synchia anteriore. Arch. Ophth., Lpz., 1903, 57: 53-60, pl.—Wüstefeld, F. Persistierende Pupillarmembran mit Adhärenz an der Cornea. Zschr. Augenh., 1900, 4: 590-3, pl.

— Absence.

See Irideremia.

— Adhesion.

See also subheading Prolapse; also Iritis; Lens, Adhesion.

Axenfeld, T. Ueber operative Ablösung von Flächenverklebungen zwischen Kornea und Iris. Klin. Mbl. Augenh., 1927, 79: 611-20.—Bantle, A. Ueber eine neue Operationsmethode der Pupillenverwachsung; ein Beitrag zur Geschichte der Augenheilkunde in Württemberg. Med. Korb. Württemberg, 82: 185-9.—Comberg, W. Ueber Irisverklebungen bei der Operation und ein kleines Instrument zur Irisreposition. Klin. Mbl. Augenh., 1939, 102: 44-8.—Due, C. Sulla sinechiotomia. Rass. ital. ottalm., 1937, 6: 189-91.—Gugliannetti, L. Un nuovo sinechiotomo. Arch. ottalm., 1919, 26: 235-40.—Huber, E. Corlisis o sinechiotomia medicamentosa. Rev. méd. Rosario, 1933, 23: 349-66.—Larsen, H. Sind Synchieh sichere Zeichen dafür, dass in einem Auge eine Entzündung bestanden hat? Acta ophth., Kbh., 1924, 2: 84-91.—Mulock Houwer, A. W. [Secondary glaucoma in synchia anterior] Geneesk. tschr. Ned. Indië, 1940, 80: 918-26.—Prediger, H. Ueber einen Fall von congenitaler einseitiger Adhärenz eines Theiles der Vorderfläche der Iris bei doppelseitiger angeborener Linsenluxation. Arch. Augenh., 1909, 64: 307-9.—Stock, W. Bemerkungen zum Verhalten des Kammerwassers bei zirkulärem Pupillarabschluss. Klin. Mbl. Augenh., 1909, 47: 602-4.—Vos, T. A. [Embryonal posterior synchia] Ned. tschr. geneesk., 1934, 78: 3750.

— Atrophy, dystrophy, and hypoplasia.

See also subheading Pupil: Polycoria; also Lens, Dislocation.

GIRAULT-DANGELY, Y. *Considérations sur les atrophies de l'iris; aspect biomicroscopique et essai de classification. 77p. 8°. Par., 1936.

Aitchison, H. H. Case of progressive atrophy of the iris, and absolute glaucoma. Tr. Ophth. Soc. U. K., 1938, 58: 430-3, pl.—Barr, A. S. Essential (progressive) atrophy of the iris; report of a case. Arch. Ophth., Chic., 1934, n. ser., 12: 567-70.—Bietti, G. Atrofia dell'iride con fenestratura di inusitata ampiezza in occhio idroftalmico. Boll. ocul., 1933, 12: 172-83.—Boyce, W. A. Essential progressive atrophy of this iris. Am. J. Ophth., 1937, 3. ser., 20: 302.—Csillag, F. Essentielle Irisatrophie und Glaukom. Klin. Mbl. Augenh., 1938, 101: 874-83. Also Orv. hetil., 1939, 83: 85-8.—De Schweinitz, G. E. The clinical features and etiologic factors of essential progressive atrophy of the iris and the formation of holes in its tissue. Tr. Am. Ophth. Soc., 1926, 24: 122-44, 3 pl. — Essential progressive atrophy of the iris; a second communication. Arch. Ophth., N. Y., 1927, 56: 10-27, pl.—Ellett, E. C. Pathologic sections in a case of essential atrophy of the iris. Tr. Am. Ophth. Soc., 1928, 26: 306.—Fine, M., & Barkan, H. Essential progressive iris atrophy. Am. J. Ophth., 1937, 3. ser., 20: 277-80.—Goedbloed, J. Progressive essentielle Irisatrophie, Iridsdystrophie. Ophthalmologica, Basel, 1941, 102: 311.—Griscom, J. M. Essential atrophy of iris. Am. J. Ophth., 1927, 3. ser., 10: 647-9, pl.—Grösz, I. Essentielle Irisatrophie und Glaukom. Arch. Augenh., 1936, 110:

111-20. Also *Orv. hetil.*, 1936, 80: 893-5.—**Halbertsma, K. T. A.** [Case of post-traumatic atrophy of iris] *Ned. tschr. geneesk.*, 1928, 72: pt 1, 869-71.—**Henderson, J. W., & Benedict, W. L.** Essential progressive atrophy of the iris; report of a case. *Am. J. Ophth.*, 1940, 3, ser., 23: 644-50.—**Hopkins, G. H.** Injury resulting in dislocation of lens with atrophy of iris. *Ibid.*, 1943, 26: 191 (abstr.).—**Kadlický** [Atrophie spontanée de l'iris] *Bratisl. lek. listy*, 1932, 12: 513-6.—**Kreiker, A.** Beitrag zur genuinen Atrophie der Iris. *Klin. Mbl. Augenh.*, 1928, 80: 492-6.—**Lotin, A. V.** [Case of exceptionally rare progressive, essential (spontaneous) atrophy of the iris] *Vest. oft.*, 1939, 15: No. 3, 113.—**McKeown, H. S.** Essential progressive atrophy of the iris; report of a case. *Arch. Ophth.*, Chic., 1937, 18: 347-51, pl.—**Mohr, E. I.** [Polycoria in essential atrophy of iris] *Ned. tschr. geneesk.*, 1928, 72: pt 2, 4322-5.—**Muirhead, W. M.** Atrophy of the iris. *Tr. Ophth. Soc. U. K.*, 1936, 56: 266.—**Mylius.** Akute Irisatrophie. *Zschr. Augenh.*, 1935, 87: 348.—**Pelláthy, S.** Hypoplasia familiaris des vorderen Irisblattes, mit konsekutiver Mydriasis. *Klin. Mbl. Augenh.*, 1926, 77: 368-70.—**Poljakova-Spektor, M. I.** [Bilateral and symmetrical primary atrophy of the anterior layer of the iris] *Vest. oft.*, 1937, 11: 371.—**Post, M. H.** Essential progressive atrophy of the iris. *Am. J. Ophth.*, 1939, 3, ser., 22: 755-9.—**Rieger, H.** Beiträge zur Kenntnis seltener Missbildungen der Iris; über Hypoplasie des Irisvorderblattes mit Verlagerung und Entrundung der Pupille. *Arch. Ophth.*, Berl., 1934-35, 133: 602-35.—**Rieth, H.** Nachtrag zu der Arbeit Arnold: Fortschreitende Irisatrophie mit Lückenbildung. *Klin. Mbl. Augenh.*, 1936, 96: 349-51.—**Rones, B.** Essential atrophy of the iris; with pathological report. *Am. J. Ophth.*, 1940, 3, ser., 23: 163-71.—**Santori, G.** Su di una speciosa forma di atrofia dell'iride in sublussatio lentis. *Boll. ocul.*, 1929, 8: 31-43.—**Schaeffer, H., Mérigot & Treigny, de.** Le signe d'Argyll-Robertson; ses rapports avec l'atrophie irienne. *Rev. oñeur.*, Par., 1936, 14: 609-28.—**Vancea, P.** [Acid-base equilibrium in atrophy of the iris] *Cluj. med.*, 1932, 13: 540-6.—**Velhagen, K., jr.** Symmetrische Irisatrophie mit und ohne Lückenbildung bei Subluxatio lentis; ein Beitrag zur Frage der Dystrophia uvealis anterior. *Klin. Mbl. Augenh.*, 1927, 78: Beil., 156-62, pl.—**Yao, F. H.** Atrophy and separation of the anterior stroma layers of the iris. *Chin. M. J.*, 1936, 50: 1421, pl.—**Zeeman, W. P. C.** Irisfetzen. *Dystrophia iridis.* *Ophthalmologica*, Basel, 1941, 102: 124.

Bibliography.

Kronfeld, P. Neurologie des Auges (1924-25) Pupillenlehre. *Zschr. Augenh.*, 1927, 63: 377-88.—**Velhagen, K., jr.** Iris und Ziliarkörper. *Ibid.*, 1932, 78: 158; 1933, 81: 172-7; 1936, 89: 356-9; 1937, 92: 346-50.

Bloodvessels [and diseases]

Axenfeld, T. Varicenbildung auf der Pupille. *Zschr. Augenh.*, 1911, 25: 362.—**Batten, R.** Vessels of new formation on the anterior surface of iris emerging from the pupil and branching outwards. *Proc. R. Soc. M., Lond.*, 1925-26, 19: Sect. Ophth., 41.—**Fedolfi, N.** Sulla disposizione dei vasi sanguiferi dell'iride dell'uomo e di alcuni mammiferi adulti. *Monit. zool. ital.*, 1933, 44: Suppl., 261-3.—**Hagedorn, A.** [Case of vascular anomalies of iris] *Ned. tschr. geneesk.*, 1928, 72: pt 1, 871.—**Holger Ehlers** [Two cases of angiectasia iridis] *Hospitaltidende*, 1934, 77: Oft. selsk. forh., 33-6.—**Lawrence, R. D., & Levy, A. H.** Vascularisation of iris and cornea in diabetes. *Brit. J. Ophth.*, 1936, 20: 198-201.—**Mann, I.** The blood vessels of the iris in the Saurospida. *Tr. Internat. Ophth. Congr.* (1929) 1930, 13, Congr., 1: 246-9.—**Virno, V.** Sulla morfogenesi dei vasi sanguiferi della membrana pupillare nell'occhio di Bos taurus. *Ricer. morf.*, 1933-34, 13: 379-91.

bombé.

See also **Glaucoma, Iris; Iris, Adhesion.**

Green, J. Occlusion of pupil with iris bombé and secondary glaucoma; recovery of vision after four operations. *Am. J. Ophth.*, 1927, 3, ser., 10: 637-60.—**Horner, W. D.** Treatment of iris bombé by iridectomy ab externo; report of cases. *Arch. Ophth.*, Chic., 1936, 15: 707-7.

Cancer.

Decourt, F. *Contribution à l'étude des tumeurs malignes de l'iris. 65p. 8°. Par., 1931.

Fach, E. *Metastatisches Carcinom der Iris. 12p. 8°. Heidelberg, 1935.

Löbl, P. *Carcinom-Metastasen der Iris. 8p. 8°. Würzb., 1928.

Asbury, M. K., & Vail, D. Metastatic carcinoma of the iris. *Am. J. Ophth.*, 1940, 3, ser., 23: 402-8.—**Bloom, F.** Melanocarcinoma of the iris in a dog. *J. Am. Vet. M. Ass.*, 1942, 100: 439.—**Bollack, J., Bertillon, F., & Roques, A.** Epithélioma métastatique de l'iris. *Ann. ocul.*, Par., 1927, 164: 336-43. Also *Bull. Soc. opht. Paris*, 1927, 79-81.—**King, C.** A report of a case of metastatic glandular carcinoma of the ciliary body and iris. *J. Med., Cincin.*, 1934, 15: 211.—**Kreibitz, W.** Isolierte Krebsmetastasen an Iris und Ziliarkörper. *Zschr. Augenh.*, 1936, 90: 290.—**Larsen, V.** Un cas de métastase cancéreuse de l'iris. *Acta ophth.*, Kbh., 1933, 11: 386-96.—

Sanders, T. E. Metastatic carcinoma of the iris. *Am. J. Ophth.*, 1938, 3, ser., 21: 646-51.—**Shivarova, E. D.** [Multiple malignant tumors of the iris] *Vest. oft.*, 1941, 18: 545-7.—**Stallard, H. B.** Metastatic carcinoma of the iris; clinically simulating gumma. *Brit. J. Ophth.*, 1940, 24: 541-7.—**Vail, D., & Asbury, M. K.** Metastatic carcinoma of the iris. *Tr. Am. Ophth. Soc.*, 1939, 37: 215-23, 3 pl.

Chemistry.

Clancy, E. B. Production of eye color hormone by the eyes of *Drosophila melanogaster*. *Biol. Bull.*, 1940, 78: 217-25.—**Cordero, C.** Il glutinone nelle iridi colorate e nelle albine. *Arch. ottalm.*, 1932, 39: 544-54.—**Plattner, F., & Hintner, H.** Der Nachweis einer parasympathicomimetischen Substanz in der Iris. *Wien. klin. Wschr.*, 1930, 43: 1113.—**Schmelzer.** Mikrochemische Reaktionen am Ziliarepithel. *Ber. Deut. ophth. Ges.*, 1925, 45: 259-64.

Coloboma.

See also **Eye, Coloboma**; for surgical coloboma see **Iridectomy.**

Kästel, V. *Brückenkolobom der Iris. 14p. 8°. Würzb., 1932.

Azevedo, A. Coloboma bilateral congênito simétrico da íris. *Labor. clin.*, Rio, 1941, 21: 319.—**Bane, W. M.** Bilateral colobomata of irises. *Am. J. Ophth.*, 1941, 24: 329.—**Dejean, C.** Colobomes de l'iris et de la choroïde, persistance de la fente frontale jusqu'au nerf optique. *Arch. Soc. sc. méd. biol. Montpellier*, 1935-36, 17: 98.—**Dimissianos, B.** Un cas rare du colobome congénital de l'iris avec d'autres malformations oculaires. *Bull. Soc. opht. Paris*, 1928, 616-21.—**Fazakas, S.** [Congenital bilateral atypical coloboma of the iris] *Orv. hetil.*, 1936, 80: 511-3.—**Ferreira, F.** Coloboma congenito, total, tipico, do nervo optico e da íris; a propósito de uma observação. *Brasil med.*, 1941, 55: 167.—**Coloboma da choroide e da íris; a propósito de uma observação.** *Ibid.*, 186-8.—**Folk, M. R.** Bilateral congenital coloboma of iris and choroid. *Am. J. Ophth.*, 1941, 24: 697.—**Funaisi, H.** Ueber einen seltenen Fall von persistierenden Resten der Capsulopupillarfasse: ein Beitrag zur Frage des Entstehungsmechanismus des Iriskoloboms. *Acta Soc. opht. jap.*, 1940, 44: 27.—**Héring.** Coloboma ou rupture congénitale de l'iris. *J. méd. vét.*, Lyon, 1864, 20: 425.—**Hobart, C.** Iridoschisis. *Am. J. Ophth.*, 1928, 3, ser., 11: 454-60.—**Márquez.** Coloboma congénito de ambos iris. *Progr. clín.*, Madr., 1918, 12: opp., p. 345, pl.—**Sokolíć, P.** [Case of atypical congenital coloboma of the iris] *Liječ. vjes.*, 1941, 63: 20.—**Solanes, M. P.** Gonioscopy of the surgical colobomas of the iris. *Am. J. Ophth.*, 1937, 3, ser., 20: 731-7.—**Tillé, H.** Anses vasculaires artérielles et veineuses pénétrant dans le corps vitré on reliquats d'artère hyaloïde; colobomes bilatéraux de l'iris. *Bull. Soc. opht. Paris*, 1933, pt 2, 452-5.—**Vele, M.** Sul coloboma congénito dell'iride e della coroide. *Boll. ocul.*, 1933, 12: 671-82.—**Villard, H., & Viallefont, H.** Colobome bilatéral de l'iris et de la choroïde. *Arch. Soc. sc. méd. biol. Montpellier*, 1935-36, 17: 343.—**Vom Hofe, K.** Atypisches Iriskolobom, partielle Aniridie (rechteckige Pupille) und Aplasie beider Foveae. *Klin. Mbl. Augenh.*, 1932, 89: 476.—**Waardenburg, P. J.** Die Erklärung eventueller Geschlechtsverschiedenheiten beim kongenitalen Iriskolobom. *Ibid.*, 1928, 81: 841-3.—**Wajid Ali Khan.** Atypical coloboma of the iris. *Brit. J. Ophth.*, 1926, 10: 389.—**Wardale, J. D.** Congenital symmetrical coloboma of iris, with progressive cataracts. *Tr. Ophth. Soc. U. K.*, 1930, 50: 613.

Color.

See also **Albinism; Iris, Heterochromia; Pigmentation.**

Backman, G. Die Augenfarbe der Letten. 64p. 8°. Lund [1937]

Delbreuve, M. A. H. *Les granulations de pigment irien (grains de suie) dans l'œil du cheval. [Alfort] 23p. 8°. Tunis, 1930.

Mehlhorn [P. W.] G. *Die Verteilung des Farbstoffs auf Regenbogenhaut, Wimpern, Brauen und Haupthaar [Berlin] 27p. 20¹/₂ cm. Coburg, 1938.

Blount, W. P. Observations upon the pigmentation of the iris of the dog. *Vet. J.*, Lond., 1931, 87: 91-8.—**David, L. I.** The effect of temperature on eye color in *Habrobracon juglandis*, Ashmead. *Am. Natur.*, 1938, 72: 574-7.—**Esser, A. A. M.** Die Augen- und Haarfarbe der alten Griechen. *Klin. Mbl. Augenh.*, 1930, 85: 551-4.—**Freire-Marreco, B.** Notes on the hair and eye colour of 591 children of school age in Surrey. *Man, Lond.*, 1909, 9: 99-108.—**Godin, P.** Evolution de la couleur des yeux sous l'influence de la puberté. *Bull. Acad. méd.*, Par., 1933, 3, ser., 109: 657-60.

Aperçu de la répartition en France des yeux clairs et des yeux foncés. *Ibid.*, 1935, 3, ser., 113: 355.—**Hesch, M.** Ueber Pigmentierungsverhältnisse der menschlichen Iris nach Alter und Geschlecht; Beziehungen zwischen Augenfarbe, Struktur und Ringbildung. *Verh. Ges. phys. Anthropol.*, 1931, 5: 9-25.—**Hukushima, G.** Morphologisch-anthropologische Untersuchun-

gen über die Augen von Japanern in der Provinz Yamaguti; die Farbe und Zeichnung der Iris und ihre Beziehung mit der Lidhautfarbe. Acta Soc. ophth. jap., 1939, 43: 148. Also Jap. J. M. Sc., 1941, 9: Abstr. Anat., 95.—**Karvé, I.** Beobachtungen über die Augenfarben an Chitpavan-Brahmanen. Zschr. Morph. Anthropol., 1931, 24: 498-501.—**Lienhart, L.** La couleur des yeux des pigeons domestiques; les yeux orange et dérivés. C. rend. Soc. biol., 1936, 121: 1415-7.—**MacConaill, M. A.** The classification of hair and eye colour upon developmental and genetic bases. Ann. Eugen., Camb., 1941, 11: 173-8.—**Maung, K.** Discriminant analysis of Tocher's eye colour data for Scottish school children. Ibid., 64-76.—**Rassin, R., & Skerlj, B.** Augenfehler und Augenfarbe. Klin. Mbl. Augenh., 1937, 98: 314-21.—**Riddell, W. J. B.** Studies in the classification of eye colour. Ann. Eugen., Camb., 1941-42, 11: 245-59.—**Sallmann, L.** Zur Entstehung der Pigmentringlinie der Iris. Arch. Ophth., Berl., 1937, 137: 510-4.—**Schultz, B. K.** Eine verbesserte Augenfarbentafel. Anthrop. Anz., 1929-30, 6: 331-5.—**Stockmann, H.** Die Augenfarbe. Klin. Mbl. Augenh., 1938, 100: 692-714.—**Tuchlinski, K.** Klinische Untersuchungen über Beschaffenheit, Farbe und Veränderung der Iris des Pferdes; vorläufige Mitteilung. Münch. tierärztl. Wschr., 1935, 86: 601.—**VanAtta, E. W., & VanAtta, L. C.** The spectrum analysis of eye color in Drosophila. Am. Natur., 1931, 65: 382-4.—**Walls, G. L.** Coloration of the eye. In his Vertebr. Eye, Bloomfield, 1942, 543-51.

Color: Genetics.

BOLLAG, L. *Untersuchungen über die Vererbung von Mischfarben der Iris beim Menschen. p.191-205. 8° Zür., 1927.

Also Arch. Julius Klaus Stift., 1926, 2:

HOFFMANN, H. *Ueber die Vererbung der Augenfarbe und ihre Korrelation zur Haarfarbe [Giessen] 21p. 22 $\frac{1}{2}$ cm. Würzb., 1935.

Anderson, R. L. Non-autonomous development of transplanted eyes in *Halobroca*. Proc. Internat. Genet. Congr. (1939) 1941, 7. Congr., 47.—**Beadle, G. W.** The development of eye colors in *Drosophila* as studied by transplantation. Am. Natur., 1937, 71: 120-6. — **Ephrussi, B.** Development of eye colors in *Drosophila*: the mutants bright and mahogany. Ibid., 91-5. — Development of eye colors in *Drosophila*: diffusible substances and their interrelations. Genetics, 1937, 22: 76-86. — Development of eye colors in *Drosophila*: transplantation experiments on the interaction of vermilion with other eye colors. Ibid., 65-75. — Development of eye colors in *Drosophila*: production and release of CN substance by the eyes of different eye color mutants. Ibid., 479-83.—**Brehme, K. S.** A survey of the Malpighian-tube color of the eye color mutants of *Drosophila melanogaster*. Ibid., 1942, 27: 133.—**Caspari, E.** Zur Analyse der Matroklonie der Vererbung in der a-Serie der Augenfarbenmutationen bei der Mehlmotte *Ephestia kuehniella* Z. Zschr. indukt. Abstamm., 1936, 71: 546-55.—**Clancy, C. W.** Development of eye colors in *Drosophila melanogaster*; further studies on the mutant elaret. Genetics, 1942, 27: 137.—**Cochrane, F.** Observations on eye-colour development in *Drosophila pseudo-obscura*. J. Genet., Camb., 1936, 32: 183-7.—**Davenport, C. B.** Heredity of human eye color. Bibliogr. genet., Gravenh., 1927, 3: 443-63.—**Dürken, B.** Die Vererbung der Augenfarbe beim Menschen. Zschr. indukt. Abstamm., 1925, 37: 67-81.—**Fleischacker, H.** Ueber die Vererbung der Augenfarbe. Zschr. menschl. Vererb., 1936, 19: 643-66.—**Frets, G. P.** Heredity of the eye-color. Genetica, Gravenh., 1925, 7: 65-86. — Heredity of eye color in man. Eugen. News, 1935, 20: 1-3.—**Godin, P.** Héredité de la couleur des yeux. Bull. Acad. méd., Par., 1933, 3. ser., 110: 25-7.—**Gregory, P. W., & Ibsen, H. L.** The inheritance of salmon-eye in guinea-pigs. Am. Natur., 1926, 60: 166-71.—**Harnly, M. H., & Ephrussi, B.** Development of eye colors in *Drosophila*: time of action of body fluid on cinnabar. Genetics, 1937, 22: 393-401.—**Howland, R. B., Glancy, E. A., & Sonnenblick, B. P.** Transplantation of wild type and vermilion eye disks among 4 species of *Drosophila*. Ibid., 434-42.—**Iliin, N. A.** [The ruby eye in animals and its heredity.] Tr. Lab. Exp. Biol. Zoo Moscow, 1926, 1: 107-29.—**Japha.** Ueber die Vererbung der Augenfarben beim Menschen. Verh. Ges. phys. Anthropol., 1926, 1: 58-61.—**Macklin, M. T.** The laws of heredity and their exemplification in the inheritance of eye colour. Canad. M. Ass. J., 1926, 16: 1340-2.—**Mainx, F.** Analyse der Genwirkung durch Faktorkombination; Versuche mit den Augenfarbenfaktoren von *Drosophila melanogaster*. Zschr. indukt. Abstamm., 1938, 75: 256-76.—**Nichailoff, A. S.** Ueber die Vererbung der Weissäugigkeit bei der Honigbiene (*Apis mellifera*) Ibid., 1931, 59: 190-202.—**Mueller, B.** Untersuchungen über die Erblichkeit der Augenfarbe, der Haarfarbe und der Haarform vom gerichtlich-medizinischen Standpunkt aus. Deut. Zschr. gerichtl. Med., 1932-33, 20: 544-56.—**Passow, A.** Ueber gleichseitige Vererbung von sektorenförmiger Irispigmentierung, zugleich ein Beitrag zur Frage der gleichseitigen Vererbung überhaupt. Arch. Rassenb., 1932, 26: 417, pl.—**Schultz, J., & Dobzhansky, T.** The relation of a dominant eye color in *Drosophila melanogaster* to the associated chromosome rearrangement. Genetics, 1934, 19: 341-64.—**Schwägerle, F.** Irisstruktur und Augenfarbe bei ein- und zweifachen Zwillingen. Zschr. menschl.

Vererb., 1938-39, 22: 545-77.—**Streiff, J.** Zur Uebereinstimmung und Nichtübereinstimmung der Haut-, Haar- und Augenfarbe und über den Erbanteil der Uvea und den Anteil des Sympathikus an der schliesslichen Gestaltung und Färbung der Iris. Klin. Mbl. Augenh., 1932, 88: 577-600.—**Van Atta, E. A.** Genetic and cytological studies on x-radiation induced dominant eye colors of *Drosophila*. Genetics, 1932, 17: 637-59.—**Warren, D. C., & Gordon, C. D.** Plumage and eye color inheritance in the single comb Rhode Island red fowl. J. Agr. Res., 1933, 47: 897-910.—**Weninger, J.** Zur Vererbung der blauen Irisfarbe. Mitt. Anthropol. Ges. Wien, 1938, 68: 206-19.—**Whiting, A. R.** Eye colours in the parasitic wasp *Halobroca* and their behaviour in multiple recessives and in mosaics. J. Genet., Camb., 1934, 29: 99-107, 2 pl.

Cyst.

KEPPLER, G. *Ueber bewegliche und unbewegliche Iriszysten [Würzburg] 21p. 8° Völklingen, 1928.

NIKOLOFF, N. A. *Beitrag zur Kenntnis der Epithelwucherungen in die vordere Augenkammer und die Entstehung der Iriszysten. 19p. 8° Giessen, 1928.

PIVOTEAU, L. *Traitement des kystes de l'iris par l'électrolyse. 48p. 8° Par., 1930.

Almeida, A. de. Cisto soroso da iris. Arq. Inst. Penedo Burnier, 1939, 5: 328.—**Anargyros, E.** Spontane Zysten der Irishinterfläche. Zschr. Augenh., 1935-36, 88: 93-9.—**Aron, F., & Zeeman, W. P. C.** Atypisches Kolobom und spontane Iriszyste. Acta ophth., Kbh., 1938, 16: 308-22.—**Badeaux, F.** Kystes pigmentés congénitaux de l'iris et de la zone ciliaire; vestige de la membrane vasculaire du cristallin; persistance de l'artère hyaloïdienne. Bull. Soc. ophth. Paris, 1936, 68-76.—**Blobner, F.** Spontane Irisstromazyste. Klin. Mbl. Augenh., 1935, 95: 478-86.—**Bracci Torsi, H.** Contributo clinico ed istologico alle cisti dell'iride. Ann. ottalm., 1935, 63: 65-73.—**Charamis, J., & Sfalagako.** Kyste épithéliale de l'iris. Arch. ophth., Par., 1935, 52: 167-9.—**Cowan, A.** Congenital and familial cysts and flocculi of the iris. Am. J. Ophth., 1936, 3. ser., 19: 287-91.—**Custodis, E.** Beitrag zur Pathologie und Therapie der Iris- und Iriskammer-Zysten. Klin. Mbl. Augenh., 1933, 90: 361-8.—**De Cristofaro, U.** Contributo alla conoscenza delle cisti spontanee dell'iride. Boll. ocul., 1934, 13: 640-69, pl.—**Fietta, P.** Un cas de kyste perlé de l'iris. Rev. gén. ophth., Par., 1928, 42: 45-51.—**Filippow, N. A.** Zur Frage über die spontanen serösen Iriszysten. Klin. Mbl. Augenh., 1930, 84: 247-60.—**Gilbert.** Behandlung der Iriskammerzysten. Zschr. Augenh., 1935, 87: 348.—**Goldfeder, A. E., & Bushmich, D. G.** [Rare forms of spontaneous cysts of the iris] Vest. oft., 1939, 15: No. 2, 21-7.—**Granström, K. O.** Contribution à l'étude des kystes spontanés issus de la face postérieure de l'iris. Acta ophth., Kbh., 1930, 8: 35-44, pl.—**Griffith, A.** Cyst of the iris in a man, aet. 43 years. Tr. Ophth. Soc. U. K., 1928, 48: 87, pl.—**Hoeve, J. van der.** Iriseyste. Ned. tsehr. geneesk., 1926, 70: pt 2, 1606.—**Jancke, G.** Zystenbildung der Iris nach früherer Entzündung. Klin. Mbl. Augenh., 1939, 102: 248-53.—**Poyales, F.** Quistes del iris. Tr. Internat. Ophth. Congr. (1929) 1930, 13. Congr., 1: 349-53.—**Sácha, A.** [Case of cyst of the iris] Bratisl. lek. listy, 1927, 7: 532-8.—**Satanowsky, P.** Quiste seroso espontaneo de iris y un caso de consecuencia alejada de tratamiento físico. Arch. oft. B. Aires, 1939, 14: 521-6.—**Shumway, E. A.** Spontaneous cyst of the iris; report of a case. Am. J. Ophth., 1931, 3. ser., 14: 792-5.—**Skydsgaard, H.** Melanosarcom; pigmenteret iriseyste? Nord. med., 1941, 9: 699.—**Slavik, B.** [Cysts of the iris] Cas. lek. česk., 1933, 72: 390-3.—**Soria Escudero, M., & Casanovas Carnicer, J.** Quiste perlado del iris. Rev. méd. Barcelona, 1929, 11: 314-7, pl.—**T'ang, Y. T.** Pigmented epithelial cyst of the iris. Chin. M. J., 1934, 48: 905-9, pl.—**Thilliez.** Traitement des kystes de l'iris par l'électrolyse. Ann. électrob., Lille, 1909, 12: 122-5.—**Tooker, C. W.** An epithelial cyst of the posterior chamber; clinical history and microscopic anatomy of the enucleated eye. Tr. Am. Ophth. Soc., 1933, 31: 187-94, 4 pl.—**Town, A. E.** Cyst of the uveal layer of the iris. Am. J. Ophth., 1933, 3. ser., 16: 790-5.—**Townsend, T. H. D.** Two cases of cyst of iris. Tr. Ophth. Soc. U. K., 1930, 50: 641.—**Vila Ortiz, J. M., hijo.** Contribución al estudio de los quistes pigmentados del iris. Rev. méd. Rosario, 1934, 23: 803-8, 2 pl.—**Villard, H., & Dejean, C.** Les kystes de l'iris. Arch. ophth., Par., 1933, 50: 91, 195; 272.—**Wilmer, W. H.** Cyst of the uveal layer of iris at pupillary margin in a case of posterior synechia with secondary glaucoma. Tr. Am. Ophth. Soc., 1928, 26: 103-10, pl. Also Arch. ophth., 1929, n. ser., 1: 162-7, pl.

Cyst, traumatic.

QUACK, E. *Beitrag zur Kenntnis traumatischer, seröser Iriseysten [Düsseldorf] 25p. 8° Quakenbrück, 1932.

Anklesaria, M. D. Cilia in the anterior chamber and traumatic cyst in the iris. Ind. M. Gaz., 1934, 69: 259-61.—**Bader, A.** Posttraumatische resp. postoperative Iriseysten der Vorderkammer, geheilt durch Röntgenbestrahlung resp. Elektrolyse. Schweiz. med. Wschr., 1934, 64: 198.

Erfolge und Misserfolge der Röntgentherapie; suprasellare Hirntumor, posttraumatische Iriszyste. *Klin. Mbl. Augenh.*, 1939, 103: 503-13.—**Bonnet, P., & Paufigue**. Kyste perlé de l'iris; cil dans la chambre antérieure. *Bull. Soc. opht. Paris*, 1933, 309-11. Also *Lyon méd.*, 1933, 151: 491. — Kystes traumatiques de l'iris. *Arch. opht.*, Par., 1934, 51: 5-16. — **Bussy, J.** Kyste séreux de l'iris d'origine traumatique. *Bull. Soc. opht. Paris*, 1933, 367.—**Bourdier, F., & Stein, M.** Kyste traumatique de l'iris; présentation d'un malade. *Ibid.*, 1937, 731-5.—**Damel, C. S., & Durando, S. A.** Quistes traumáticos del iris y pestañas en cámara anterior. *Arch. oft. B. Aires*, 1942, 17: 614-25.—**De Vincentes, G.** Cisti traumática dell'iride. *Boll. ocul.*, 1932, 11: 796, pl.—**Gandolfi, C.** Formazione mobile, libera in C. A., di origine traumatica. *Ibid.*, 1937, 16: 1076-84.—**Hudelo, A.** Prolifération traumatique du pigment irien et kyste irido-camérulaire. *Arch. opht.*, Par., 1935, 52: 410-23.—**Ludin, M., & Bader, A.** Die Röntgenbestrahlung der posttraumatischen Iriszyste. *Strahlentherapie*, 1934, 51: 567-72.—**Lundberg, A.** Ein Fall mit traumatischer Iriszyste. *Acta opht.*, Kbh., 1937, 15: 204-15.—**Maxwell, H.** Traumatic cyst of the iris. *Am. J. Ophth.*, 1943, 26: 193 (Abstr.).—**Moore, R. F.** Two cases of epithelial implantation cyst of the iris. *Brit. J. Ophth.*, 1930, 14: 496-501.—**Nordmann, J.** A propos de quelques kystes traumatiques de l'iris et de la chambre antérieure. *Bull. Soc. opht. Paris*, 1936, 266-9.—**Pesce, G.** Cisti bilobata dell'iride di origine traumatica. *Boll. ocul.*, 1937, 16: 861-79.—**Safar, K.** Ueber eine Iriszyste im aphaken Auge, durch Elektrocoagulation geheilt. *Zschr. Augenh.*, 1935, 86: 31-7.—**Teulières, M., & Beauvieux, J.** Kyste perlé de l'iris post-traumatique; inclusion d'un cil dans la chambre antérieure. *Arch. opht.*, Par., 1938, n. ser., 2: 706-10.

Degeneration and necrosis.

See also subheading Injury.

Birnbacker, T. Ueber akute primäre Irisnekrose. *Zschr. Augenh.*, 1928, 64: 227-39.—**Dollfus, M. A.** Dégénérescence irienne d'un type particulier. *Bull. Soc. opht. Paris*, 1927, 170-2.—**D'Oswaldo.** Zur Kenntnis der traumatischen Nekrose der Iris, des Ziliarkörpers und des Linsenepithels. *Zschr. Augenh.*, 1924, 54: 60-8.—**Kurz, J.** [Degenerative changes in the iris] *Cas. l'ek. čes.*, 1933, 72: 837; 868.—**Samuels, B.** Necrosis of the iris. *Tr. Ophth. Soc. U. K.*, 1929, 49: 421-36.

Development.

See also Lens, Development.

Dinnean, F. L. Lens regeneration from the iris and its inhibition by lens reimplantation in *Triturus torosus* larvae. *J. Exp. Zool.*, 1942, 90: 461-78, incl. 2 pl. — Lens regeneration from the iris in urodeles and its inhibition by lens reimplantation. *Proc. Soc. Exp. Biol.*, N. Y., 1942, 49: 232-4.—**Frank, F.** The elements of hereditry of the iris based on photographic studies. *Fol. opht. orient.*, 1936, 2: 337-43, 4 pl.—**Monroy, A.** Sulla capacità lentogena dell'iride trapiantata. *Boll. Soc. ital. biol. sper.*, 1938, 13: 35-6. — Ricerche sulla capacità lentogena dell'iride degli anfibi. *Arch. Entomch.*, 1939, 139: 536-55.—**Popov, V. V.** Lens induction from the iris. *Bull. biol. méd. exp. URSS*, 1938, 6: 399.—**Sondermann, R.** Beitrag zur Kenntnis der Irisentwicklung. *Arch. Ophth.*, Berl., 1934-35, 133: 67-74.—**Weninger, J.** Irisstruktur und Vererbung. *Zschr. Morph. Anthrop.*, 1934, 34: 469-92, 2 pl.

Disease and disorder.

See also Iridochoroiditis; Iridocyclitis; subheadings of Iris; Iritis; etc.

TEULIÈRES, M., & BEAUVIEUX, J. *Maladies de l'iris.* p. 1-238. 25cm. Par., 1939.

YACOVLEVITCH, D. *Manifestations cliniques relevant des altérations anatomiques de l'iris dans le diabète (en dehors de l'inflammation) 42p. 8°. Lyon, 1936.

Damoglou, S. C. La pathologie biologique. *C. rend. Congr. internat. path. comp.*, 1936, 3. Congr., 547.—**Deltail, S., & Offret, G.** Troubles pupillaires et lésions irido-choroïdiennes. *Rev. otoneur.*, Par., 1939, 17: 376-8.—**Derby, G. S.** The nature of so-called Koeppe nodules. *Tr. Am. Ophth. Soc.*, 1928, 26: 62-71, pl. Also *Arch. Ophth.*, N. Y., 1928, 57: 561-3, pl.—**Dohme, B.** Die Erkrankungen der Iris und des Ziliarkörpers und ihre Beziehungen zu den Allgemeinerkrankungen. *Erg. ges. Med.*, 1926, 9: 23-40.—**Dupuy-Dutemps, L.** Destruction complète d'un secteur de l'iris par gomme cilio-irienne, survenue malgré un traitement arsénobenzolique récent et guérie par le cyanure de mercure. *Bull. Soc. opht. Paris*, 1928, 119-25.—**Evans, J. N.** Iris, ciliary body, and choroid; disorders. In *Cyclop. Med.* (Piersol-Bortz) Phila., 1939, 8: 141-53, 4 pl.—**Grimelli, G.** Intorno alle malattie dell'iride. *Mem. med. comp.*, Venez., 1841, 5: 342; 6: 541.—**Grösz, I.** Beiderseitige Irisanomalie; Springocyclie. *Klin. Mbl. Augenh.*, 1940, 105: 514.—**Horne, W. D., & Cordes, F. C.** Metastatic abscess of iris and ciliary body; with case report. *Am. J. Ophth.*, 1931, 3. ser., 14: 628-33.—**Jourdan, H.** Diagnostic des troubles fonctionnels de l'iris. *Monde méd.*, 1927, 37: 16-21.—**Kronfeld, P. C.** Dropsy of the

iris epithelium in diabetes. *Chin. M. J.*, 1935, 49: 808.—**La Fontaine Verwey, B. C.** de [Xanthomatosis of iris] *Ned. tsehr. geneesk.*, 1929, 73: pt 1, 1652-4.—**Metzger, E. L.** Klinisch nachweisbare Pigmentnazeration des hinteren Irisblattes bei Diabetes mellitus. *Klin. Mbl. Augenh.*, 1923, 70: 344-6.—**Safar, K.** Ueber Ringlinienbildung der Iris, bedingt durch deren Runzelung infolge hochgradiger Erweichung des Augapfels. *Arch. Ophth.*, Berl., 1928, 121: 106-9.—**Scharf, J.** Ueber einen Fall von einseitiger Irisanomalie mit sekundärer Lochbildung und Drucksteigerung. *Klin. Mbl. Augenh.*, 1940, 105: 367.—**Schley, H.** Ueber den Wert der Röntgenuntersuchung der Wirbelsäule bei Erkrankungen der Regenbogenhaut. *Ibid.*, 1937, 98: 780-8.—**Tieri, A.** La sindrome morfologica dell'iride nella tabe e nella paralisi progressiva; triade iridea tabetica e triade iridea paralitica. *Ann. ottalm.*, 1928, 56: 1112.—**Tyrell, T. M.** Tubercle on the free border of the iris. *Proc. R. Soc. M.*, Lond., 1936-37, 30: 950.—**Vancea, P.** [Existence of a characteristic morphology of the iris in tabes and general paralysis] *Chij. med.*, 1930, xl, 177-80.—**Villani, G.** Studio istologico delle lesioni dell'epitelio pigmentato dell'iride e dell'epitelio del corpo cigliare nel diabete. *Ann. ottalm.*, 1934, 62: 763-78.

Ectropion and entropion.

Ascher, K. W. Zur Behandlung der Inversio iridis. *Klin. Mbl. Augenh.*, 1927, 79: 237-9.—**Dascalopoulos, N.** Sur un cas d'inversion totale de l'iris. *Ann. ocul.*, Par., 1926, 163: 766-8.—**Dymshitz, L. A.** Ein Fall von ungewöhnlich stark entwickelten Flocculi iridum. *Arch. Ophth.*, Berl., 1931, 127: 100-2.—**Fuchs, A.** Contribution to the anatomy of congenital ectropium uveae (flocculi iridis) *Am. J. Ophth.*, 1931, 3. ser., 14: 865-8.—**Schappert Kimmeyer, J.** De l'entropion et de l'ectropion de l'iris. *Ann. ocul.*, Par., 1927, 164: 165-85.

Examination.

See also Iridodiagnosis; Iris, Pupil; Examination.

Lugli, L. Le pieghe posteriori dell'iride all'indagine biomicroscopica. *Bull. sc. med.*, Bologna, 1937, 109: 147-53.—**Soria.** Biomicroscopia dell'iris. *Arch. oft. hisp. amer.*, 1930, 30: 581-93.—**Tieri, A.** L'irisopia e la sua importanza clinica in alcuni particolari aspetti della neurosifilide oculare. *Lettura oft.*, 1930, 7: 376-82.

Explantation.

Doljanski, L. Sur le rapport entre la prolifération et l'activité pigmentogène dans les cultures d'épithélium de l'iris. *C. rend. Soc. biol.*, 1930, 105: 343-5.—**Fischer, I.** Die Pigmentbildung des Irisepithels in vitro; ein Beitrag zu den Beziehungen zwischen Differenzierung, Wachstum und Funktion. *Arch. exp. Zellforsch.*, 1938, 21: 92-154, 3 pl.—**Meyer, H.** Kulturen von Ciliar- und Irismuskel bei Hühnerembryonen. *Zschr. mikr. anat. Forsch.*, 1936, 39: 161-71.—**Sanzo, K.** Ueber den Einfluss des k- und g-Strophanthins (Merec), Helleborins (Merec), Couvallamarins (Merec) und Adonidins (Merec) auf das Wachstum der in vitro-Kulturen von Irisepithelzellen und die histologischen Veränderungen der Kulturen durch diese Gifte. *Fol. pharm. jap.*, 1933, 15: Brev., 15.

Foreign body.

HAAS, W. *Zwei Fälle von ausbleibender Verrostung bei Sitz des Splitters im Augenrund; ein Fall von Rostrückbildung an der Regenbogenhaut. 14p. 8°. Freib. i. B., 1931.

Duc, C. Schegge di pietra sull'iride. *Osp. maggiore Novara*, 1932, 9: 199-203.—**Fonck.** Fragment de capsule de pistolet fixé dans l'iris; accidents inflammatoires graves. *Presse méd. belge*, 1867-68, 20: 301.—**Mitskevich, L. D.** [Three cases of perforating injuries of the eye with multiple imbedment of foreign bodies in the iris] *Vest. oft.*, 1939, 14: No. 6, 77-9.—**Montanelli, G.** Corpi estranei (schegge di legno) sull'iride. *Lettura oft.*, 1924, 1: 303-8.—**Rossano, R.** Corps étrangers en pépites d'or sur l'iris. *Bull. Soc. opht. Paris*, 1935, 759.—**Sédan, J.** Eclat d'obus toléré dans l'iris depuis dix ans, avec iridialyse perceptible seulement pendant le myosis. *Bull. Soc. opht. Paris*, 1930, 88-91.—**Tille, H.** Corps étranger magnétique cilio-irien toléré depuis 37 ans avec sidérose discrète et cataracte postérieure. *Ibid.*, 1931, 120-5.

Glass membrane.

See also Iridocyclitis, Pathology.

Glass membrane on the iris with other interesting ocular degenerative changes and cholesterol crystals in iris. *Annual Rep. Ophth. Lab.*, Cairo, 1931, 6: 56-8.—**Hanssen, R.** Ueber Membranbildungen auf der Irisvorderfläche. *Zschr. Augenh.*, 1928, 64: 278-92.—**Homogeneous glass membrane on the iris.** *Annual Rep. Giza Ophth. Lab.*, 1928, 3: 30.—**Rauh, W.** Beitrag zur Kenntnis der Bildung glashäutiger Membranen auf der Iris. *Zschr. Augenh.*, 1927, 61: 169-77.

Granulations and granuloma.

CHERIF EL-ANI, MUSTAFA. *Les granulations miliaires en semis de l'iris; valeur sémiologique. 59p. 25cm. Lyon, 1938.

Bonnet, P. Uvérite séreuse; granulations miliaires de l'iris. Bull. Soc. opht. Paris, 1933, pt 2, 697. — Sur une forme particulière de granulations miliaires de l'iris. Ibid., 1937, 113-6. — Granulations miliaires de l'iris; leur valeur sémiologique. Ibid., 1938, 478-80. Also Lyon méd., 1938, 162: 409-12. — & Ani, C. E. Les granulations miliaires en semis de l'iris. Arch. opht., Par., 1939, n. ser., 3: 193-204. 2 pl.—Lodoni, G. Granuloma dell'iride (contributo clinico alle pseudo-cisti dell'iride) Lettura oft., 1929, 6: 449-55, pl.

Heterochromia.

See also Horner syndrome.

BOHTZ [C. K.] O. *Ueber den Stand der Lehre von der Heterochromia iridis. 38p. 8°. Rost., 1928.

KARSON, I. H. *Posttraumatische und postoperative Heterochromie. 14p. 8°. Zür., 1935.

LINDBERG, J. G. *Kliniska undersökningar över depigmenteringen av pupillarranden och genomsläpbarheten av iris, vid fall av åldersstarr samt i normala ögon hos gamla personer. 107p. 8°. Helsing., 1917.

MELTZ, F. K. *Ueber den Erbgang in einem Falle von reiner Spiegelbild-Heterochromie der Iris. 10p. 8°. Würzb., 1935.

VALROFF, J. E. L'hétérochromie de l'iris. 63p. 8°. Par., 1935.

Argüello, D. M. Vitiligo del iris. Arch. oft. B. Aires, 1930, 5: 314-8.—Barden, R. B. Changes in the pigmentation of the iris in metamorphosing amphibian larvae. J. Exp. Zool., 1943, 92: 171-97, incl. 2 pl.—Bennett, G. A., & Hausberger, F. X. Ueber den Einfluss des Adrenalins auf den Pigmentgehalt der Iris bei neurogener experimenteller Heterochromie. Arch. exp. Path., 1937-38, 188: 40-52.—Bertoldi, M. A proposito di un caso di eterochromia dell'iride complicato da cecità e cataratta. Rass. ital. ottalm., 1938, 7: 738-61.—Biozzi, G. Osservazioni e ricerche sull'eterochromia di Fuchs. Boll. ocul., 1936, 15: 67-144. — Contributo alla conoscenza istologica dell'eterochromia di Fuchs. Ibid., 1938, 17: 683-98.—Bistis, J. Neue experimentelle Untersuchungen über die Sympathikusheterochromie. Ber. Deut. ophth. Ges., 1927, 46: 360-3. — Nouvelles recherches expérimentales sur l'hétérochromie sympathique. Bull. Soc. opht. Paris, 1927, 217-21. — Etude clinique et expérimentale sur le rôle du sympathique dans l'étiologie de l'hétérochromie. Arch. opht., Par., 1928, 45: 569-95. — Neuer Beitrag über die Sympathikusheterochromie. Zschr. Augenh., 1933-34, 82: 180-8.—Carreras, B. La heterochromia del iris. Progr. oft., Madr., 1920, 15: 259-67.—Cohen, G. Ueber einen Fall von cineigen Zwillingscwestern mit ungleicher Augenfarbe. Klin. Wschr., 1924, 3: 2150.—Collins, D. L. Iris-pigment migration and its relation to behavior in the codling moth. J. Exp. Zool., 1934, 69: 165-97.—Esser, A. A. M. Zur Frage der Heterochromie Alexanders des Grossen. Klin. Mbl. Augenh., 1934, 93: 202.—Gradle, H. S. Heterochromia iridis with cyclitis and cataract. Am. J. Ophth., 1929, 3, ser., 12: 547-57.—Haessler, F. H. Heterochromia iridis. Arch. Ophth., Chic., 1929, n. ser., 2: 333-47.—Hubert, J. A propos de quelques cas d'hétérochromie de Fuchs. Bull. Soc. belge opht., 1933, 87-94.—Kamel, S. A case of traumatic total depigmentation of the iris. Bull. Ophth. Soc. Egypt, 1936, 29: 156-8.—Koby, F. E. Contribution à l'étude de la chrom-hétérochromie; hétérochromie irienne comme manifestation d'hérédité en mosaïque. Rev. gén. opht., Genève, 1921, 35: 49-70. — Sur l'hétérochromie tardive post-traumatique. Schweiz. med. Wschr., 1939, 69: 1091-3.—Koutseff, A., & Dieffenbach, P. Considérations sur certains troubles médullaires chez des malades atteints d'hétérochromie de l'iris. Rev. otoneur., Par., 1939, 17: 356-8.—Kranz, H. W. Beobachtungen und Bemerkungen zum Heterochromieproblem. Arch. Ophth., Berl., 1926, 117: 554-74.—Lazarescu, D., & Lazarescu, E. Hétérochromie neurogène de l'iris et syndrome de Claude-Bernard-Horner; observation clinique et recherches expérimentales. Ann. ocul., Par., 1933, 170: 767-71.—Lloyd, R. I. Heterochromia and allied conditions; with case reports. Am. J. Ophth., 1931, 3, ser., 14: 287-99, pl.—Löwenstein, A. Vitiligo iridis nach Schafblättern. Klin. Mbl. Augenh., 1932, 89: 790-2.—Lundsgaard, K. K. Transitory depigmentation of the iris in sequel to a bee's sting on the eyeball. Acta ophth., Kbh., 1928, 6: 181-3.—Lutz, A. Ueber 24 Fälle von physiologischer Depigmentierung beider Regenbogenhäute in gesunden Augen und 32 weitere Fälle von Heterochromia iridum. Arch. Ophth., Berl., 1928, 120: 653-69.—Mankowski, B. N. Ueber die Depigmentation der Iris bei Nervenkrankheiten (neurogen Heterochromie der Iris) Arch. Psychiat., Berl., 1928, 84: 552-83.—Mecca, M. Contributo allo studio della eterochromia di Fuchs. Ann. ottalm., 1936, 64: 825-45,

pl.—Muck, O. Gibt es eine neurogene Heterochromie? Klin. Mbl. Augenh., 1934, 93: 341-8.—Passow, A. Ueber experimentell erzeugte neurogene Heterochromie als Beitrag zum Verständnis des Symptomenkomplexes Hornersyndrom, Heterochromie, Status dysraphicus. Arch. Augenh., 1933-34, 108: 137-61.—Pfister, F. Die antiken Berichte über Heterophthalmie. Klin. Mbl. Augenh., 1935, 94: 685-7 [Bemerkungen von A. A. M. Esser] 687.—Poos, F. Tierexperimentelle Sympathikusheterochromie. Tr. Internat. Ophth. Congr. (1929) 1930, 13. Congr., 1: 47. Also Abstr.—Raia, V. L. A case of heterochromia iridis. Am. J. Ophth., 1931, 3, ser., 14: 299-301.—Rossi, V. Eterochromia dell'iride e affezioni tubercolari. Arch. ottalm., 1931, 38: 367; 371.—Ryo, K. Ein Fall vom angeborenen partiellen Pigmentmangel der Iris. Acta Soc. opht. jap., 1940, 44: 33.—Saba, V. Eterochromia acquisita in un caso di resezione del trigemino. Ann. ottalm., 1929, 57: 864-73.—Schlödttmann, Ueber Depigmentierung der Regenbogenhäute bei einem Erwachsenen. Klin. Mbl. Augenh., 1927, 79: 339-45.—Schrader, G. Zur postmortalen Irisverfärbung. Deut. Zschr. gerichtl. Med., 1936, 27: 105-10.—Simeone, F. A. Observations on heterochromia iridis. Am. J. Ophth., 1941, 24: 200.—Streiff, J. Ein neuer Irisbefund bei Fuchsscher Heterochromie und weitere Ergänzungen zum Heterochromieproblem. Klin. Mbl. Augenh., 1926, 76: 321-39. — Revision älterer und neuer Befunde zum Verständnis der echten Früh-Heterochromie. Ibid., 1932, 88: 751-61. — L'eterochromia di Fuchs è da considerarsi ancora come forma morbosa con patogenesi propria? Ann. ottalm., 1937, 65: 298-305.—Székely, J. Neues über die Fuchssche Heterochromie. Zschr. Augenh., 1931, 74: 329-61.—Terrien, F. La valeur clinique de l'hétérochromie irienne. Arch. opht., Par., 1932, 49: 545.—Uchida, H. Color changes in the eye of a long-horned grasshopper, Homocoryphus lineosus in relation to light. J. Fac. Sc. Univ. Tokyo, 1934, sec. 4, 3: 517-25.—Wang, L. T. Heterochromia of the iris; report of a case. Nat. M. J. China, 1932, 18: 963.—Weber, E. Ueber einen seltenen Fall von Heterochromia iridis. Schweiz. med. Wschr., 1941, 71: 1627.—Würdemann, H. V. Hereditary reversion pigmentation of the eyelids with heterochromia of the iris. Am. J. Ophth., 1920, 3, ser., 3: 874-6.

Histology.

GRUENHAGEN, A. Ueber die hintere Begrenzungsschichte der menschlichen Iris. p.726-9. 23½cm. [Königsberg, after 1873]

Chioldi, V. Osservazioni sull'intima struttura degli iridoidei dell'iride di alcuni carnivori. Bull. histol. appl., Par., 1928, 5: 353-63.—Freerksen, E. Bindegewebsuntersuchungen am lebenden Menschen. Verh. Anat. Ges. (1938) 1939, 46: 55.—Grignolo, A. Sul problema dell'esistenza delle fibre elastiche nell'iride. Boll. Soc. ital. biol. sper., 1938, 13: 59-61. — Aspetti morfologici del componente elastico nell'iride umana. Rass. ital. ottalm., 1940, 9: 259-81, 3 pl.—Mecca, M. Contributo alla conoscenza dell'anatomia microscopica dell'iride umana. Boll. Soc. ital. biol. sper., 1935, 10: 967-70.—Simonet, M. Recherches cytologiques et génétiques chez les iris. Bull. biol. France, 1932, 66: 255-44, 2 pl.—Vinnikov, J. A. Experimentell-histologische Untersuchungen über die retinalen Anteile der Regenbogenhaut und der Ziliarfortsätze. Arch. exp. Zellforsch., 1936, 19: 33-85. [Experimental histological investigation of the contractile elements of the iris Biol. J., Moskva, 1938, 7: 975-92, 2 pl.]

Injury.

See also Irideremia; Iridodialysis; also subheadings of Iris (Atrophy; Cyst; Degeneration; Heterochromia)

Cattaneo, D. Lesioni traumatiche del foglietto pigmentato posteriore dell'iride. Ann. ottalm., 1930, 58: 11-7.—Cecchetto, E., & Papagno, M. Rotture isolate dell'iride da contusione oculare. Ibid., 1931, 59: 1010-6.—Frey, G. Disappearance of the iris after prolonged hypheemia. Arch. Ophth., Chic., 1938, 20: 684.—Gradle, H. S. Rupture of the sphincter portion of the iris produced by blunt trauma. Ibid., 1934, 11: 92-101.—Greenwood, A. Injuries and diseases; iris. In Med. Dep. U. S. Army in the World War, Wash., 1924, 11: pt 2, 684.—Papagno, M. Alcune ricerche sul processo di riparazione delle ferite iridiche. Rass. ital. ottalm., 1934, 3: 17-27.—Semadeni, B. Ueber fraktionierte Irisbestrahlung am Kinnchenaugen; mit Bemerkungen zu den Goldmannschen Irisverbrünnungen und semem angeblichen Warmecharakter. Klin. Mbl. Augenh., 1934, 92: 779-91, pl.—Tessier, G. Sui disturbi funzionali traumatici dell'iride e del corpo ciliare. Ann. ottalm., 1929, 57: 105-19.

Melanosis and melanoma.

See also subheadings (Heterochromia; Sarcoma)

Almeida, A. de. Melanoma da iris. Arq. Inst. Penido Burnier, 1940-41, 6: 231.—Juler, F. A. Melanoma (? malignant) of the iris. Proc. R. Soc. M., Lond., 1936-37, 30: 701. — Melanoma of the iris. Arch. Ophth., Chic., 1937, 17: 744.—Klien, E. A. The ciliary margin of the dilator muscle of the pupil with reference to some melanomas of the iris of

epithelial origin. *Ibid.*, 1936, 15: 985-93. ——— Pseudo-melanomas of the iris. *Am. J. Ophthalm.*, 1941, 24: 133-8.—**Knapp, A.** Report of small tumor of the iris which caused secondary glaucoma; microscopic examination; remarks on relation of melanoma to sarcoma of the iris. *Tr. Am. Ophthalm. Soc.*, 1930, 28: 118-25, 3 pl. Also *Arch. Ophthalm.*, Chic., 1930, n. ser., 4: 720-6.—**Mulock Houwer, A. W.** [Two cases of nevus iridis] *Ned. tschr. geneesk.*, 1928, 72: pt 1, 872.—**Reese, A. B.** Pigment deposit in the contraction furrows of the iris. *Arch. Ophthalm.*, Chic., 1929, n. ser., 2: 27-9, pl.—**Tooke, F. T.** A melanoma of the iris with pathologic findings. *Tr. Am. Ophthalm. Soc.*, 1937, 35: 56-66, 4 pl. [Discussion] 66-72. Also *Brit. J. Ophthalm.*, 1938, 22: 153-65.—**Villard, H.**, & **Déjean, C.** Tumeur mélanique de l'iris. *Arch. Soc. sc. méd. biol. Montpellier*, 1933, 14: 316-9.—**Wood, D. J.** Melanosis of the iris and enw formation of a hyaline membrane on its surface. *Brit. J. Ophthalm.*, 1928, 12: 140-6, 5 pl.

Movement.

See Iris, Reflex.

Musculature.

Alexandrowicz, J. S. Sur la fonction des muscles intrinsèques de l'œil des céphalopodes. *C. rend. Soc. biol.*, 1928, 99: 1161-4.—**Byrne, J. G.** Inherent pupillary constrictor tonus and the mechanism of the still reaction, sleep, dreams, hibernation, repression, hypnosis, narcosis, coma, and related conditions. In his *Stud. Physiol. Eye*, Lond., 1942, 263-419.—**Car, A.** Schwäche der glatten Iris-muskulatur beim Diabetes. *Zschr. Augenh.*, 1925, 57: 614-8.—**Morin, P.** Le tonus pupillaire. *Rev. neur., Par.*, 1938, 69: 623-5.—**Poos, F.** Die Funktionen der Iris-muskeln im Lichte neuerer Untersuchungen. *Klin. Mbl. Augenh.*, 1927, 78: [Beilageh.] 227-38.—**Redslob, E.** Malformation de la musculature de l'iris. *Bull. Soc. opht. Paris*, 1933, pt 1, 182-92.—**Rischar, M.** Sur la vraie valeur des muscles de l'iris. *Bull. histol. appl., Par.*, 1931, 8: 21-6.—**Sondermann, R.** Ueber die Entwicklung der Iris-muskulatur. *Ber. Deut. ophthalm. Ges.*, 1932, 49: 213-22.—**Studnitz, G. von.** Studien zur vergleichenden Physiologie der Iris; elektrische Reizung der Iris-muskulatur. *Zool. Jahrb., Abt. allg. Zool.*, 1934-35, 54: 313-26.

Musculature: Dilator muscle.

HEERFORDT, C. F. Studier over musc. dilator pupillae samt angivelse af fællesmærker for nogle tilfælde af epithelial muskulatur. 78p. 8°. Kbh., 1900.

For German translation see *Anat. Hefte*, 1900, 14: 487-558, pl.

Akiya, T. Ueber die hinteren Grenzschieben (Bruch'sche Membran) und den M. dilator pupillae der Iris beim Menschen. *Sei i kai*, 1931, 50: 1.—**Berner, O.** [Muscular relation between the dilator pupillae and the ciliary muscles] *Norsk mag. laegevid.*, 1925, 86: 123-8.—**Berner, P. O.** Studies on the peripheral relations of the musculus dilator pupillae. *Brit. J. Ophthalm.*, 1926, 10: 420-35.—**Chauchoard, A., Chauchard, B., & Kleitman, N.** Lois de sommation de l'appareil itératif irido-dilatateur. *C. rend. Soc. biol.*, 1929, 100: 323.—**Heath, P., & Sachs, E.** Antagonism between adrenergic drugs and atropine in the isolated iris dilator. *Arch. Ophthalm.*, Chic., 1940, 24: 142-8.—**Sachs, E., & Heath, P.** The pharmacological behavior of the intraocular muscles; cholinergic behavior of the dilator iridis. *Am. J. Ophthalm.*, 1941, 24: 34-9.—**Sachs, E., & Yonkman, F. F.** The pharmacological behavior of the intraocular muscles; the action of yohimbine and ergotamine on the dilator iridis. *J. Pharm. Exp. Ther.*, 1942, 75: 105-10.—**Wang, G. H.** Note on direct stimulation of the pupillary dilator muscle fibres in the iris of the cat. *Chin. J. Physiol.*, 1932, 6: 341-4.—**Yamasaki, I.** Ueber den M. dilator pupillae bei Menschen und höheren Wirbeltieren. *Acta Soc. ophthalm. jap.*, 1939, 43: 17-20.

Musculature: Pharmacology.

See also subheading Pharmacology.

HADJIMICHALIS, S. *Ueber die Wirkung von Acetylcholin und Histamin auf die Iris-muskulatur des isolierten Froschauges. 13p. 8°. [Berl.] 1931.

See also *Arch. exp. Path.*, Lpz., 1931, 160: 49-52.

Bean, J. W., & Bohr, D. F. Effects of adrenal and acetylcholine on isolated iris muscle, in relation to pupillary regulation. *Am. J. Physiol.*, 1941, 133: 106-11.—**Bender, M. B.** Sensitized pupillary dilator and facial muscles as indicators of sympathetic and parasympathetic substances in blood. *Proc. Soc. Exp. Biol., N. Y.*, 1938-39, 39: 62-5.—**Donatelli, L., & Wiechmann, R.** Sulla farmacologia della musculatura liscia dell'iride funzionante in vitro: nota preventiva. *Boll. Soc. ital. biol. sper.*, 1938, 13: 101-3.—**Hartgraves, H., & Kronfeld, P. C.** The synergistic action of atropine and epinephrine on the intrinsic muscles of the eye. *Arch. Ophthalm.*, Chic., 1931, n. ser., 5: 212-8.—**Heath, P., & Geiter, C. W.** Some physiologic and pharmacologic reactions of isolated iris muscles. *Tr. Am. Ophthalm. Soc.*, 1938, 36: 213-26. Also *Arch. Ophthalm.*, Chic., 1939, 21: 35-44.—

Poos, F. Ueber den Wirkungsmechanismus der Sympathikus-reizmittel auf die isolierten Iris-muskeln (vorläufige Mitteilung) *Klin. Mbl. Augenh.*, 1926, 77: 5-14. ——— Entgegnung auf die Münch'sche Stellungnahme zu meiner Arbeit: Ueber den Wirkungsmechanismus der Sympathikus-reizmittel auf die isolierten Iris-muskeln, nebst Bemerkungen über die Anatomie der Katzeniris. *Ibid.*, 500-4. ——— Pharmakologische und physiologische Untersuchungen an den isolierten Iris-muskeln. *Arch. exp. Path.*, Lpz., 1927, 126: 307-51.—**Sachs, E., & Heath, P.** The pharmacological behavior of the intraocular muscles; sensitization phenomena in the dilator and sphincter iridis. *Am. J. Ophthalm.*, 1940, 23: 1376-87.—**Shen, T. C. R.** Dissociation of the pupil-dilating action of adrenaline from that of sympathetic stimulation by means of piperido-methyl-3-benzodioxane, diethyl-amino-methyl-3-benzodioxane and yohimbine. *Arch. internat. pharm. dyn.*, Par., 1938, 58: 484-91.—**Velhagen, K., jr.** Zur Untersuchung der isolierten Iris-muskeln im pharmakologischen Versuch. *Arch. Augenh.*, 1933, 107: 172-81. ——— Ueber die Wirkungsweise von Cholin-körpern auf die Iris-muskeln, zugleich ein Beitrag zur Frage der Doppelinnervation derselben. *Ibid.*, 1933-34, 108: 126-36.

Musculature: Sphincter.

Anelli, D. Lo sfintere pupillare nella serie animale. *Boll. ocul., Fir.*, 1934, 13: 1461-81.—**Byrne, J. G.** The action of curara and atropine in inducing sensitization of the pupillary constrictor effector mechanisms. In his *Stud. Physiol. Eye*, Lond., 1942, 154-7.—**Gunter, M., & Mulinos, M. G.** The reaction of the isolated sphincter of the pupil to autonomic-mimetic drugs. *Arch. internat. pharm. dyn.*, Par., 1939, 62: 33-41.—**Heidgen, M. F., & Barnard, R. D.** The maintenance of iris sphincter tone in the rat. *Am. J. Physiol.*, 1931, 98: 276-8.—**Herk, A. W. van.** Die Pupillenverengung der isolierten Iris auf Lichtreize; die Absorption des Lichtes durch den Musc. sphincter iridis von *Rana esculenta*. *Arch. néerl. physiol.*, 1929, 14: 7-25.—**Leyko, M.** L'action paradoxale des agents pharmacologiques sur le muscle constricteur isolé de la pupille in vitro. *Bull. internat. Acad. polon. sc. cl. méd.*, 1934, 317-26.—**Sanna, G.** Sui rapporti di volume e comportamento del muscolo ciliare e del muscolo sfintere dell'iride negli occhi umani normali ed ametropici. *Ann. ottalm.*, 1929, 57: 550-6, pl.—**Shaklee, A. O., Christensen, K., & Kaplan, A.** Action of drugs, nerves and electric current in iris sphincter. *Proc. Soc. Exp. Biol., N. Y.*, 1936, 34: 399-402.—**Yonkman, F. F.** Inhibitory innervation of the iris sphincter. *J. Pharm. Exp. Ther.*, 1934, 52: 290-6.

Myoma.

Ellett, E. C. A report of (a) a case of leiomyoma of the iris; (b) a case of hematoma of the iris. *Tr. Am. Ophthalm. Soc.*, 1938, 36: 98-103, 3 pl. Also *Arch. Ophthalm.*, Chic., 1939, 21: 497-504.—**Frost, A. D.** Leiomyoma of the iris: report of a case. *Tr. Am. Ophthalm. Soc.*, 1936, 34: 86-97, 3 pl. Also *Am. J. Ophthalm.*, 1937, 3. ser., 20: 347-53, pl.—**Heuven, G. J. van.** Leiomyoblastoma iridis. *Ophthalmologica*, Basel, 1942, 103: 308-13.

Nerves.

See also Autonomic nervous system; Ciliary ganglion; Oculomotor nerve.

Balado, M. A satisfactory method for staining the nerve fibers of the iris. *Arch. Neur. Psychiat.*, Chic., 1926, 16: 442-6. Also *Rev. espec.*, B. Air., 1926, 1: 60-7. ——— Vias nerviosas periféricas pupilares (conejo, gato y perro) *Bol. Inst. clin. quir.*, B. Air., 1926, 2: 5-23. ——— Vias nerviosas periféricas pupilares en el hombre. *Ibid.*, 2: 232, 2 diag. ——— El iris; estudio anatómico y fisiopatológico de su innervación. *Sem. méd.*, B. Air., 1927, 34: pt 1, 1441-75. ——— & **Bartel, E. de.** Distribución de los nervios miélicos en el iris humano. *Bol. Inst. clin. quir.*, B. Air., 1926, 2: 600, 2 pl.—**Beccari, E., & Casarotto, T.** L'innervazione reciproca dei muscoli pupillari. *Boll. Soc. ital. biol. sper.*, 1937, 12: 361-4.—**Behr, C.** Der Anteil der beiden Antagonisten an der Pupillenbewegung bei den verschiedenen Reaktionen. *Arch. Ophthalm.*, Berl., 1930-31, 125: 147-55; 1932-33, 130: 411-26.—**Blier, Z. A.** Reciprocal inhibition during one type of pupillary dilatation. *Proc. Soc. Exp. Biol., N. Y.*, 1928 29, 26: 461.—**Bodenheimer, E., & Korbach, H.** Klinisch-anatomischer Beitrag zur Pupillarfasertheorie. *Arch. Ophthalm.*, Berl., 1928, 121: 46-72.—**Bocke, J.** Die Nervenversorgung des M. ciliaris und des M. sphincter iridis bei Säugern und Vögeln; ein Beispiel plexiformer Innervation der Muskelfasern. *Zschr. mikr. anat. Forsch.*, 1933, 33: 233-75. ——— Die Beziehungen der Nervenfasern der Iris zu den Bindegewebselementen beim Affen; die interstitiellen Elemente des Irisstromas und der sympathische Grundplexus. *Ibid.*, 1936, 39: 477-520.—**Bolsi, D., & Visintini, F.** Cronassia e leggi di eccitabilità del sistema simpatico irido-dilatatore. *Boll. Soc. ital. biol. sper.*, 1934, 9: 250-3. ——— Condizioni della trasmissione dell'influsso nervoso attraverso le sinapsi simpatichie interneuroniche. *Riv. pat. nerv.*, 1934, 43: 1129-42.—**Byrne, J. G.** The effect of stimulation of the sciatic nerve upon the mechanisms which mediate reflex pupillary widening, dilatation, and narrowing, constriction. In his *Stud. Physiol. Eye*, Lond., 1942, 240-2. ——— The effect of activation of the preponderantly critical proprioceptive mechanisms which supply the orbicularis oculi

upon the mechanisms which mediate reflex pupillary narrowing, constriction, and widening, dilatation. *Ibid.*, 249.

Inherent constrictor tonus of the oculomotor nerve and the mechanism of ether narcosis, coma, sleep, the still reaction, and allied conditions. *Ibid.*, 265-84.—**Christensen, K.** Development of autonomic innervation correlated with reactivity of the fetal pig iris. *Proc. Soc. Exp. Biol.*, N. Y., 1937-38, 37: 65-8.—**Clark, S. L.** Innervation of the intrinsic muscles of the eye of the cat. *J. Comp. Neur.*, 1937, 66: 307-22, 2 pl.—**Foerster, O., Gagel, O., & Mahoney, W.** Ueber die Anatomie, Physiologie und Pathologie der Pupillarinervation. *Verh. Deut. Ges. inn. Med.*, 1936, 48. Kongr., 386-98.—**Gradle, H. S., & Ackerman, W.** The reaction time of the normal pupil. *J. Am. M. Ass.*, 1932, 99: 1334.—**Gullberg, J. E., Olmsted, J. M. D., & Wagman, I. H.** Reciprocal innervation of the sphincter and dilator pupillae. *Am. J. Physiol.*, 1938, 122: 160-6a.—**Hodes, R.** The efferent pathway for reflex pupillo-motor activity. *Ibid.*, 1940-41, 131: 144-55.—**Jirman, J.** [Are there ganglion cells in the iris?] *Cas. lék. česk.*, 1929, 68: 90-4.—**Kaminskaia, Z. A.** [Peripheral innervation of the iris] *Vest. oft.*, 1938, 12: 35-45.—**Langworthy, O. R., & Ortega, L.** A demonstration of vascular innervation. *Bull. Johns Hopkins Hosp.*, 1943, 72: 120.—**Teitelbaum, H. A.** The structure and innervation of the rabbit iris. *Anat. Rec.*, 1941, 79: Suppl. No. 2, 39.—**Lebedinsky, A., & Zimkin, N.** Role du trijumeau dans les mouvements de la pupille du lapin; sur les mouvements de la pupille à la suite de l'excitation du bout périphérique du trijumeau. *Bull. biol. méd. exp. URSS*, 1940, 9: 345-8.—**Licheri, G.** Studio sul comportamento del diametro pupillare e dell'otalmotono in conigli sottoposti a irradiazioni roentgen in corrispondenza della regione sellare. *Lettura oft.*, 1938, 15: 457-62, pl.—**Lopes Cardozo, E.** Investigations on the nature of the peripheral ending of the cervical sympathetic in the iris of the cat. *Acta brev. neerl.*, 1932, 2: 142.—**On the peripheral ending of the cervical sympathetic in the iris of the cat; besides some remarks on temperature registration of the ears after sympathicotomy and removal of the sup. cerv. ganglion.** *Arch. néerl. physiol.*, 1933, 18: 193-242.—**Investigation into the distribution of the sympathetic fibres of the first, second and third thoracic root, over the long ciliary nerves.** *Ibid.*, 242-50.—**Löwy, K.** Ueber eine Beziehung zwischen Pupillenreaktion und Fazialis; vorläufige Mitteilung. *Msehr. Ohrenh.*, Wien, 1933, 67: 480-2.—**Lowenstein, O., & Bender, M. B.** Recovery of pupillary function in cut optic nerves of cats and monkeys. *Proc. Soc. Exp. Biol.*, N. Y., 1941, 48: 447.—**Luco, J. V., & Salvestrini, H.** Responses of the iris to prolonged stimulation of its parasympathetic nerve supply. *J. Neurophysiol.*, 1942, 5: 27-31.—**Maltesos, C.** Wechselstromreizung der Pupillodilatatoren im Halssympathicus des Kaninchens. *Arch. ges. Physiol.*, 1938-39, 241: 132-8.—**Montanari, A.** Sopra un fenomeno cervico-midriatico nell'uomo. *Riv. clin. med.*, 1933, 34: 183-211.—**Nathan, P. W., & Turner, J. W. A.** The efferent pathway for pupillary contraction. *Brain*, Lond., 1942, 65: 343-51.—**Niitani, J.** Experimentelle Untersuchungen über die Innervation der Pupille. *Arch. Ophth.*, Berl., 1928-29, 121: 471-8.—**Poos, F.** Der Anteil der beiden Antagonisten an der Pupillenbewegung bei den verschiedenen Reaktionen. *Ibid.*, 1930, 125: 308-12.—**Ueber eine Beziehung zwischen Pupillenreaktion und Fazialis.** *Msehr. Ohrenh.*, Wien, 1933, 67: 1053-6.—**Rischart, M.** L'innervation motrice de l'iris. *Ann. ocul.*, Par., 1932, 169: 464-75.—**Rochat, G. F.** Die pupillenverengenden Fasern im Trigemini beim Kaninchen. *Arch. Ophth.*, Berl., 1927, 118: 260-9.—**Rossi, F., & Mocchi, V.** Osservazioni sui nervi del corpo ciliare e dell'iride. *Ann. ottalm.*, 1935, 63: 773-9.—**Ryd, Z.** On the innervation of the pupil of the dog; the extirpation of the cervical sympathetic ganglion of one side. *Tohoku J. Exp. M.*, 1939-40, 37: 276-316.—**On the innervation of the pupil of the dog; destruction of the ganglion ciliare of one side.** *Ibid.*, 530-40.—**Schmert, J.** Untersuchungen über den Ursprung und die Endausbreitung der Nerven der Iris. *Zschr. Zellforsch.*, 1936, 25: 247-58.—**Seybold, W. D., & Moore, R. M.** Oculomotor nerve and reflex dilatation of pupil. *J. Neurophysiol.*, 1940, 3: 436-41.—**Sironi, L.** La sensibilità differenziale motrice della pupilla e la sensibilità differenziale ottica, indagate in alcune affezioni oculari mediante il pupilloscopio; ricerche personali con gli apparecchi di Von Joss e di Sander. *Arch. ottalm.*, 1940, 47: 35-83.—**Stella, H. de.** Rapport entre les réactions pupillaires et le facial. *Ann. otolaryng.*, Par., 1934, 1-4.—**Stotter, W. A.** Innervation of the intrinsic muscles of the eye: an experimental study. *Proc. Soc. Exp. Biol.*, N. Y., 1937-38, 36: 576.—**Szily, A. von, & Freund, H.** Probleme der Irisinnervation. *Med. Klin.*, Berl., 1927, 23: 229. Also *Münch. med. Wsehr.*, 1927, 74: 257.—**Ury, B., & Gellhorn, E.** Role of the sympathetic system in reflex dilatation of pupil. *J. Neurophysiol.*, 1939, 2: 268-75.—**Vom Hofe, K., & Perwitzschky, R.** Zur Frage des Verlaufs der okulo-pupillären Fasern des Sympathikus beim Menschen. *Arch. Augenh.*, 1928, 99: 405-9.—**Weinstein, E. A., & Bender, M. B.** Pupillodilator reactions to sciatic and diencephalic stimulation; a comparative study in cat and monkey. *J. Neurophysiol.*, 1941, 4: 44-50.—**Zimkin, N. V., & Lebedinsky, A. V.** [Significance of the trigeminal nerve for the movements of the pupil; movements of the pupil in excitation of the peripheral segment of the trigeminal nerve] *Biull. eksp. biol. méd.*, 1940, 9: 276-9.—**[Significance of the trigeminal nerve for the movement of the pupil; analysis of the action of chemical biologically active substances on the pupil]** *Ibid.*, 400-2.

Nerves: Central pathways.

See also subheading Reflex.

Barris, R. W. A pupillo-constrictor area in the cerebral cortex of the cat and its relationship to the pretectal area. *J. Comp. Neur.*, 1936, 63: 353-68.—**Beattie, J., Ducl, A. B., & Ballance, C.** The effects of stimulation of the hypothalamic pupillo-dilator centre after successful anastomoses between the cervical sympathetic and certain motor nerves. *J. Anat.*, Lond., 1932, 66: 283-99.—**Bukhalo, L. G.** [Effect of the cerebral cortex of the motor zone on the pupil] *Sovet. psikhonevr.*, 1939, 15: No. 1, 46-55.—**Byrne, J. G.** Inherent pupillary widening tonus of the main cerebral sympathetic centre of Karplus and Kreidl. In his *Stud. Physiol. Eye*, Lond., 1942, 213-8.—**Claes, E.** Activités pupillo-motrices du diencephale et du mésencéphale. *C. rend. Soc. biol.*, 1936, 123: 1009-13.—**Dechaume, J., & Morin, G.** Topographie des émergences irido-dilatatrices médullaires; documents recueillis chez le chien sans moelle. *Ibid.*, 1938, 127: 1486-8.—**Hare, W. K., Magoun, H. W., & Ranson, S. W.** Pathways for pupillary constriction; location of synapses in the path for the pupillary light reflex and of constrictor fibers of cortical origin. *Arch. Neur. Psychiat.*, Chic., 1935, 34: 1188-94.—**Harper, A. A., & McSwiney, B. A.** The spinal pathways of the pupillo-dilator reflex. *J. Physiol.*, Lond., 1937, 89: 47P.—**Ascending spinal pathways of the pupillodilator fibres.** *Ibid.*, 90: 395-402.—**Hodes, R., & Magoun, H. W.** A further study of pupillary responses to electrical stimulation of the fore- and mid-brain. *Am. J. Physiol.*, 1941, 133: 330.—**Ingram, W. R., Ranson, S. W., & Hannett, F. I.** Pupillary dilatation produced by direct stimulation of the tegmentum of the brain stem. *Ibid.*, 1931, 98: 687-91.—**Langworthy, O. R., & Tauber, E. S.** The control of the pupillary reaction by the central nervous system: a review. *J. Nerv. Ment. Dis.*, 1937, 86: 462-75.—**Lenz, G.** Untersuchungen über die intrazerebrale Bahn des Pupillarreflexes. *Ber. Deut. ophth. Ges.*, 1927, 46: 140-6. [Discussion] 151-4.—**Lewy, F. H.** Reizversuche zur zentralen Pupilleninnervation. *Deut. Zschr. Nervenh.*, 1928, 102: 89.—**Martínez Hinojosa, F.** Centros pupillodilatadores. *An. Soc. mex. oft.*, 1940, 15: 76-100.—**Monnier, M.** Physiologie des formations réticulées; dilatation pupillaire consécutive à l'excitation faradique du bulbe chez le chat. *Rev. neur. Par.*, 1938, 69: 751-6.—**Poos, F.** Sind die Zentralorgane für Pupillen-erweiterung und -verengung durch die Blutkohlenäure erregbar? *Klin. Mbl. Augenh.*, 1936, 96: 45-51.—**Ranson, S. W., & Magoun, H. W.** Respiratory and pupillary reactions; induced by electrical stimulation of the hypothalamus. *Arch. Neur. Psychiat.*, Chic., 1933, 29: 1179-94.—**Schachter, M.** Le cerveau et son influence sur les réactions pupillaires. *Gaz. hôp.*, 1936, 109: 316.—**Sinosaki, T.** Reizversuche zur zentralen Pupilleninnervation am Corpus Luysi. *Zschr. ges. exp. Med.*, 1929, 66: 171-90.—**Ury, B., & Oldberg, E.** Effect of cortical lesions on affective pupillary reactions. *J. Neurophysiol.*, 1940, 3: 201-12.—**Wang, G. H., Lu, T. W., & Lau, T. T.** Pupillary constriction from cortical stimulation. *Chin. J. Physiol.*, 1931, 5: 205-16.—**Pupillary dilatation from cortical stimulation.** *Ibid.*, 1932, 6: 225.

Nerves: Pharmacology.

See also subheading Pharmacology.

SCHMIDT, W. *Ueber die paradoxe Mydriasis durch Sympathikusreizmittel bei Lähmung des Augensympathikus [Münster] 35p. Quakenbrück, 1936.

Casini, F. Il comportamento dei nervi irido-dilatatori e iridocostrittori di fronte ai midriatici e ai miotici nelle ipocalcemie e ipercalcemie sperimentali. *Arch. ottalm.*, 1936, 43: 231-51.—**Di Mattei, P.** Azione della apomorfina e della santonina sui centri iridici. *Boll. Soc. ital. biol. sper.*, 1927, 2: 293-7.—**Frommel, E., & Zimmet, D.** Le tartrate d'ergotamine paralysent-til le sympathique irien? *Ann. ocul.*, Par., 1937, 174: 178-82.—**Leyko, E.** Nouvelle conception de l'innervation de l'iris, basée sur l'action des poisons autonomes sur l'iris isolé. *C. rend. Soc. biol.*, 1927, 97: 941.—**Zimkin, N., & Lebedinsky, A.** Role du trijumeau dans les mouvements de la pupille; analyse de l'action sur la pupille de substances chimiques, actives au point de vue biologique. *Biull. biol. méd. exp. URSS*, 1940, 9: 405-7.

Pharmacology.

See also subheadings (Musculature; Nerves)

Boss, S. *Ueber Veränderungen des Hornhautradius unter dem Einflusse von Atropin, Homatropin, Physostigmin und Cocain. 50p. 8°. Strassb., 1890.

Fischer, K. *Ueber die Einwirkung verschiedener quartärer Ammoniumbasen auf die Vogehiris. 15p. 8°. Kiel, 1929.

GROSSE SCHÖNEPAUCK, H. *Ueber eine neue Methode zur quantitativen und zuverlässigen Auswertung pharmakologischer und anderer

Reaktionen an der Pupille [Münster] 29p. 20%cm. Quakenbrück, 1935.

HOFFMANN, E. *Zur pharmakologischen Beeinflussung der Froschpupille [Tübingen] 15p. 8° Schramb., 1936.

MACHOL, H. *Ueber die Einwirkung von Lecithin auf die durch Sympathicusreizung hervorgerufene Pupillenerweiterung. 16p. 8° Berl., 1933.

PFEUFFER, F. *Experimentelle Untersuchungen über die Einwirkung von Erythrophlein und Nervocidin auf das Ziliarepithel des Auges [Erlangen] 24p. 8° Giessen, 1931.

ANICHKOV, S. V., & SARUBIN, A. A. Ueber die Lokalisation der sensibilisierenden Wirkung des Kokains auf die Pupille. Arch. exp. Path., Lpz., 1928, 131: 376-82.—ATZORI, B. Comportamento della pupilla per instillazione sull'occhio di soluzioni miste di atropina e pilocarpina. Arch. farm. sper., 1939, 68: 134-40.—BACQ, Z. M. Action de la sympathine sur l'iris. C. rend. Soc. biol., 1933, 112: 1551.—BALADO, M. Action de l'atropine, de l'adrénaline, de l'ésérine et de la pilocarpine sur la pupille éternuée du chien. Ibid., 95: 1387.—BENDER, M. B., & WEINSTEIN, E. A. Actions of adrenaline and acetylcholine on the denervated iris of the cat and monkey. Am. J. Physiol., 1940, 130: 268-75.—CANNON, W. B. A comparison of the effects of sympathin and adrenaline on the iris. Proc. Internat. Physiol. Congr. (1935) 1938, 15. Congr., 83.

— & ROSENBLUTH, A. A comparison of the effects of sympathin and adrenaline on the iris. Am. J. Physiol., 1935, 113: 251-8.—DEADY, C. Mydriatics and myotics. Homoeop. Eye Ear & Throat J., 1906, 12: 296-306.—ETTINGER, J. Ueber die Wirkung einiger Purinstoffe auf die Pupille. Arch. exp. Path., Lpz., 1929, 145: 376-80.—GNAD, F. Ueber die Wirkungsweise pupillomotorischer Mittel bei örtlich umschriebener Applikation. Klin. Mbl. Augenh., 1930, 84: 510-6.—GOLD, H., & SUSSMAN, M. L. Pupillary reactions during ether and chloroform anesthesia after morphine. Proc. Soc. Exp. Biol., N. Y., 1928-29, 26: 3-5.—HASSKÓ, S. [Effect of physostigmin upon the pupil] Allatorv. lap., 1937, 60: 37.—HEINRICH, A. Ein wenig bekanntes Pupillenphänomen während der Tropfnarkose. Klin. Wschr., 1936, 15: 1010.—HERMANN, K., & ENGEL, S. Ueber die Wirkungsdauer einiger pupillomotorisch wirksamer Medikamente (Untersuchungen am Widerstandspupilloskop von Engel) vorläufige Mitteilung. Nervenarzt, 1932, 5: 121-6.—KIANG, S. M. Relative value of myotics and mydriatics applied in the form of solutions and ointments. Nat. M. J. China, 1931-32, 17: 67-71.—KOLLER, C. Myotics and mydriatics in relation to ocular hypertension. Dis. Eye & C. Throat, 1942, 2: 314-7.—KOPPÁNYI, T. Comparative studies on pupillary reaction in tetrapods; the mode of action of pilocarpine on the pupil of the rat. J. Pharm. Exp. Ther., 1928, 34: 73-83.

— Action of sympathomimetic drugs on pupil of guinea pig. Proc. Soc. Exp. Biol., N. Y., 1928-29, 26: 80.

— Comparative studies on pupillary reaction in tetrapods; the action of pilocarpine on the pupil of the guinea pig. J. Pharm. Exp. Ther., 1929, 36: 179-83.

— Studies on pupillary reactions in tetrapods; the mode of action of ergotamine. Ibid., 1930, 38: 101-11.

— Studies on pupillary reactions in tetrapods; sympathetic actions of cocaine, procaine and pilocarpine. Ibid., 113-9.

— & SUN, K. H. The effect of pilocarpine and other drugs on the pupil of the rat. Am. J. Physiol., 1926, 78: 358-63.—LA FLORESTA, A. Sull'influenza che alcune sostanze associate all'atropina, la midriasi di ritorno, in soluzione isotonica rispetto al sangue, esercitano sulla pupilla controlaterale atropinizzata. Arch. farm. sper., 1940, 70: 134-47.

— LENZI, F., & LENZI, S. Onde corte e sistema nervoso autonomo; azione sulle reazioni pupillari da atropina, la midriasi di ritorno. Rass. internaz. clin. ter., 1938, 19: 238-43.—LIPSCHÜTZ, H., & SCHILF, E. Ueber die Wirkung von Azetylcholin auf die Iris des Warmblüters. Arch. exp. Path., Berl., 1931, 162: 617-22.

— MAJORS, J. [Postmortem reactions of pupils to drugs] Orv. hetil., 1934, 78: 399-401.—NAKATUKA, M. Ueber die Pupillenreaktion der Fische gegen verschiedene Pharmaka. Acta med. nagasaki., 1939, 1: Suppl., 201.—OUI, I., & SCOTT, J. C. Action of glandular extracts upon the pupil. Month. Cycl. & M. Bull., Phila., 1909, 2: 493-5.—RÉGNIER, J., & QUEVAUVILLER, A. Influence des divers acides à l'état de sels de sodium sur la surface pupillaire de l'œil encluvé de Rana esculenta. C. rend. Soc. biol., 1939, 130: 1584-6.

— SACHS, E., & HEATH, P. Some pharmacologic experiments on isolated segments of mammalian iris. Arch. Ophth., Chic., 1940, 24: 846.—SAMAAAN, K. The site of action of methylec-tenylamine hydrochloride (octinum) on the iris. Q. J. Pharm., Lond., 1937, 10: 211-5.—SAWYER, M. M., & SCHLOSSBERG, T. The effect of adrenal instillation on the iris of normal animals. Am. J. Physiol., 1933, 103: 153-8.—SCHLOSSBERG, T. Simultaneous internal and external stimulation of the iris by adrenin. Ibid., 1932, 102: 71.—SHEN, T. C. R. Influence de la pipéridino-méthylbenzodioxane (F. 933), de la diéthyl-amino-méthylbenzodioxane (F. 833), et de la yohimbine sur les réactions de la pupille à l'adrénaline et à l'excitation sympathique. Ann. physiol., Par., 1938, 14: 621.—SIRAKAWA, S. Pharmako-histologische Untersuchungen; histologische Untersuchung über die Wirkung von Atropin und Physostigmin auf die Kanincheniris. Jap. J. M. Sc., 1929-30, 4: Tr. Pharm.,

19-22, pl.—SPIRO. Ueber die Wirkung der Mydriatica und Miotica bei Pupillenerweiterung. Verh. Berl. ophth. Ges. (1893-1904) 1905, 22.—SWAN, K. C., & MYERS, H. B. Response of the iris to pitresin and pitocin. Proc. Soc. Exp. Biol., N. Y., 1936, 34: 680.—TINEL, J., LAMACHE, A., & DUBAR, J. La réaction pupillaire à l'adrénaline locale; valeur de cette réaction comme indice de l'équilibre vago-sympathique. Encéphale, 1928, 23: 41-3.—VOM HOF, K. Ueber die Wirkung des Tenosins auf Pupille und den Augendruck. Klin. Mbl. Augenh., 1932, 89: 622-4.—WIECHMANN, R. Nuova tecnica per studiare l'azione farmacologica sull'iride. Boll. Soc. ital. biol. sper., 1938, 13: 454-6.—YONKMAN, F. F. Mydriasis affected by sympathomimetic agents. J. Pharm. Exp. Ther., 1930, 40: 195-206.—YOSIMURA, K. Ueber den Einfluss des Benzols und seiner Derivate auf die Pupille des isolierten Froschauges. Jap. J. M. Sc., 1940, 13: Proc. Pharm., 183.

— Pharmacology: Miotics.

See also under names of miotic substances as **Pilocarpin**.

APPELMANS, M. Note sur l'étude expérimentale d'un nouveau miotique. C. rend. Soc. biol., 1934, 115: 1259.—DE SCHWEINITZ, G. E., & BAER, B. F. Prolonged miosis for the control of increased intraocular tension, with remarks on the preparation of solutions of the miotics. Ther. Gaz., Det., 1926, 3. ser., 50: 469-71.—DUBAR, J., LAMACHE, A., & SONN. Action de l'adrénaline sur la pupille; myosis adréalinique. Bull. Soc. opht. Paris, 1928, 33-5.—GAISBOCK, F. Bemerkungen zur Calcium-Miose. Arch. exp. Path., Lpz., 1929, 141: 379.—GRAF, H., & MUNTER, S. Ueber den Einfluss extra-ocularer Kolloide auf die Miosis des instillierten Pilocarpins. Arch. wiss. prakt. Tierh., 1927, 56: 248-67.—GRAF, H., & SCHEER, E. Vergleichende Untersuchungen über die Physostigmin- und Pilocarpinmiosis beim Pferde und Rinde. Ibid., 1929, 59: 579-600.—HAMBURGER, C. Das stärkste Miotikum [Amin-glucosan [Histamin]] Klin. Mbl. Augenh., 1926, 76: 849-56.—TUKAMOTO, R. Ueber die Empfindlichkeitsteigerung der vom Ciliarganglion befreiten Iris gegen Pilocarpin. Fol. jap. pharm., 1926, 2: [Brev.] 2.—YONKMAN, F. F. Ergotoxine miosis. Proc. Soc. Exp. Biol., N. Y., 1929-30, 27: 1014-6.

— Pharmacology: Mydriatics.

See also under names of mydriatic substances as **Atropine**, etc.

BAB, W. Syntropin for diagnostic mydriasis. Eye Ear & C. Month., 1942-43, 21: 84.—BATTEN, R. D. A report of the comparative action of homatropine methyl bromide and homatropine bromide as a mydriatic. Ophth. Rev., Lond., 1908, 27: 8-11.—BECCARI, E. L'azione dei midriatici attivi sulla pupilla controlaterale. Boll. Soc. ital. biol. sper., 1938, 13: 93.— & MANTICE, L. L'azione comparata dei midriatici attivi e passivi, in rapporto con l'innervazione reciproca della pupilla. Ibid., 1937, 12: 364-7.—BERTOZZI, A. Dell'azione comparata del bromuro di metilatropina e del bromidato di omatropina sull'occhio e della loro tossicità. Ann. ottalm., 1906, 35: 40-57.—BLICKE, F. F., & MAXWELL, C. E. Synthetic mydriatics. J. Am. Chem. Soc., 1942, 64: 428-33.—CASTELLI, A. Experimenti ed osservazioni sull'azione midriatica di alcune sostanze simpaticomimetiche: adrenalina, efedrina sintetica (efetonina) simpatol, ordenina. Arch. ottalm., 1935, 42: 95-125.—CHEN, K. K., & POTH, E. J. Racial differences in mydriatic action of cocaine, ephedrine, and ephedrine. Am. J. Phys. Anthropol., 1929-30, 13: 91-3.—ERLANGER, G., & ERLANGER, A. Lokalisierte Pupillenerweiterung durch Iontophorese mit Adrenalin. Klin. Mbl. Augenh., 1932, 88: 86.—FLYNN, F. Mydriatic synergy; a note on the use of mydriatics by sub-conjunctival injection. Brit. J. Ophth., 1933, 17: 298-301, pl.—FRENCH, J. M. The mydriatic alkaloids. Merck's Arch., N. Y., 1906, 8: 35-40.—GIRNÖT, O., & EVERS, A. Ueber den Einfluss ein- und doppelseitiger Abtragung der Grosshirnrinde auf die Wirkungsstärke einiger pupillenerweiternder Mittel. Arch. exp. Path., Berl., 1940, 195: 280-94.—GRADLE, H. S. The effects of mydriatics upon intraocular tension. Am. J. Ophth., 1936, 3. ser., 19: 37-9.—GRAF, H., & GEORGI, H. Ueber die Atropinmydriasis nach Zusatz von Serum zum Instillat. Arch. wiss. prakt. Tierh., 1927, 56: 439-51.—HANNAN, J. H. Further observations on adrenaline mydriasis at the menopause. Brit. M. J., 1928, 2: 931.—HOWE, L. The effects of full and of minimum doses of atropin sulphate and of homatropin hydrobromate. Ophthalmology, Milwaukee, 1905-06, 2: 621-30.—JENZER, H. Ueber die kombinierte Anwendung von Ephedrin und Atropin. Ausz. Inaugur. Diss. Med. Fak. Univ. Bern (1931-33) 1934, No. 35, 1.—KUBLI, O. Zehelatelno bolshom organischenii primieniya atropin'a i voobshche midriaticheskikh sredstv pri nekotorykh glaznykh zabolyvaniyakh. Tr. Obshch. Russk. vrach. Pirogova (1904) 1905, 9. sess., 3: 167-70.—MAGIOT, A. Sur l'action mydriatique de l'adrénaline. Ann. ocul., Par., 1927, 164: 482-98.—PITINI, A. Sull'azione midriatica del cloridrato di isoammino-acetofenone. Arch. farm., Pal., 1906, 12: 67-71.— & PATERNÒ, M. Ricerche sperimentali su un nuovo midriatico: fenomidol (Pitini) Arch. farm. sper., Roma, 1915, 20: 540-60.—POST, L. T. Mydriatics for elderly patients. Am. J. Ophth., 1937, 3. ser., 20: 73.—POWELL, L. S., & HYDE, M. E. Observations on the action of benzedrine sulfate ophthalmic solution used alone in the production of mydriasis. J. Kansas M. Soc., 1938, 39:

- 434.—**Riechert, T.** Syntropen als Mydriatikum zu diagnostischen Zwecken. *Dent. med. Wschr.*, 1935, 61: 1278.—**Rizzo, A.** Sulla miadriasi da cocaina. *Boll. Soc. biol. sper.*, 1926, 1: 277-9.—**—** Sulla miadriasi da cocaina (contributo sperimentale). *Ann. ottalm.*, 1927, 55: 1-35, 8 ch.—**Roepke, P. E. A.** Vergleichende Untersuchungen über die Wirkung der Mydriatica beim Pferde. *Mhefte prakt. Tierh.*, 1906, 17: 415-44.—**Ruiter, G. C. P. de** [Investigations on the action of Atropa belladonna on the iris] *Onderzoek. Physiol. Lab., Utrecht*, 1853-54, 6: 83-122.—**Scalzitzi.** Esperienze cliniche sul comportamento della pupilla all'inizio e alla fine della miadriasi atropinica. *Ann. ottalm.*, 1928, 56: 300-15.—**Schmidt, E.** Ueber die mydriatisch wirkenden Alkaloide der Daturaarten. *Arch. Pharm., Berl.*, 1906, 244: 66-71.—**Schmincke.** Demonstration der Ehrmannschen Reaktion (Adrenalin-mydriasis am enukleierten Froschaugen). *Sitzber. phys. med. Ges. Würzburg*, 1908, 57.—**Schoofs.** Rapport de la commission chargée d'apprecier le travail manuscrit de M^l. F. Sternon et F. Henrioul, intitulé: Les collyres mydriatiques concentrés à la l'événine-lévorenone. *Bull. Acad. méd. Belgique*, 1938, 6. sér., 3: 558-60.—**Sternon, F., & Hendrioul, F.** Les collyres mydriatiques concentrés à la l'événine-lévorenone. *Ibid.*, 638-50.—**Watson, G. M., Heard, C. R. C., & James, W. O.** A comparison of the biological and chemical assays of belladonna and stramonium. *Q. J. Pharm., Lond.*, 1941, 14: 253-8.—**Yonkman, F. F.** Sympathomimetic mydriasis. *Sunti Congr. internaz. fisiol.*, 1932, 14. Congr., 268.
- **Physiology.**
- Bakker, A.** Comment l'iris se comporte-t-il dans un milieu liquide mobile? *Ann. ocul., Par.*, 1938, 175: 477.—**Braunstein, E. P.** [Electrical action rays of the iris] *Vrach. delo*, 1926, 9: 1489-95.—**Grimelli, G.** Intorno ad alcuni argomenti relativi all'iride e alla visione. *Mem. med. contemp., Venez.*, 1841, 5: 539-57.—**Iske, M. S.** A study of the iris mechanism of the alligator. *Anat. Rec.*, 1929, 44: 57-77.—**Jennings, E. A.** On the physiology of the iris. *Month. J. Foreign Med.*, 1828, 1: 542-4.—**Jirman, J.** [Physiologic researches on the automatism of the isolated iris] *Cas. lek. česk.*, 1928, 67: 1467-9.—**Linksz, A.** Zur Frage des sogenannten physiologischen Pupillenabschlusses. *Arch. Augenh.*, 1931-32, 105: 526-36.—**Munch, K.** Kritik der Poosschen Irisversuche. *Klin. Mbl. Augenh.*, 1926, 77: 498-500.—**Studnitz, G. von.** Studien zur vergleichenden Physiologie der Iris; Rana temporaria. *Arch. ges. Physiol.*, 1932, 229: 492-537.—**—** Studien zur vergleichenden Physiologie der Iris; Selachier. *Zschr. vergl. Physiol.*, 1933, 19: 619-31.—**—** Studien zur vergleichenden Physiologie der Iris; Reptilien. *Ibid.*, 632-47.—**—** Studien zur vergleichenden Physiologie der Iris; zur Adaptation der Stäbchen und Zapfen. *Zool. Jahrb., Abt. allg. Zool.*, 1934-35, 54: 119-56.—**Thienemann, H. G.** Ein Beitrag zur Physiologie der Vogeleris. *Ibid.*, 1936-37, 57: 293-322.—**Young, J. Z.** Comparative studies on the physiology of the iris; selachians. *Proc. R. Soc., Lond.*, 1933, 112: ser. B, 228-41.—**—** Comparative studies on the physiology of the iris; Uranoscopus and Lophius. *Ibid.*, 242-9.
- **Prolapse.**
- See also subheadings Adhesion; also Eye injury, Complication; Iridenceleisis; Iridodialysis.
- KAPPELER, E.** *Ueber die Vermeidung von Glaskörper-Irisvorfall nach der Erfahrung der Zürcher Klinik an 385 Lappenextraktionen des Altersstars, mit Bemerkungen zur Technik der Extraktion [Zürich] 23p. 8° Basel, 1927.
- Also Schweiz. med. Wschr., 1927, 57:
- Beaumont, J. H.** Penetrating wound of eye; cure of prolapsed iris without operation. *Brit. M. J.*, 1935, 2: 785.—**Bettman, J. W., & Barkan, H.** Trichloroacetic acid in the treatment of iris prolapse. *Am. J. Ophth.*, 1937, 3. ser., 20: 131-4.—**Bonparola, T.** Dell'uso della soluzione dell'atropa belladonna nell'ernia dell'iride. *Filiatre scbezoj.*, Nap., 1831, 3: 38-43.—**D'Ombra, A. W.** Prolapse of the iris treated with trichloroacetic acid. *Med. J. Australia*, 1938, 2: 909.—**De Sanctis, B. E.** La diatermocoagulazione nei prolapsi dell'iride. *Boll. ocul.*, 1936, 15: 117-60.—**Gow, W. H.** Some remarks on prolapse of the iris and its treatment. *China M. J.*, 1934, 48: 894-6.—**Grünfeld, H.** Spontaner Irisprolaps bei Randektasen der Hornhaut. *Klin. Mbl. Augenh.*, 1934, 92: 509-13.—**Lewis, A. C.** Spontaneous prolapse of iris. *Memphis M. J.*, 1943, 18: 78.—**Magitot, A., & Dubois-Poulsen, A.** Traitement des prolapsus iriens par l'acide trichloroacétique; technique de Bettman et Barkan. *Ann. ocul., Par.*, 1938, 175: 449-54.—**Marković, A.** Gleichzeitige Doppeliridectomie der Hornhaut beim Isolieren von vernarbten Irisprolapsen. *Klin. Mbl. Augenh.*, 1937, 98: 187-90.—**Peterson, R. A.** Hernia of the iris. *China M. J.*, 1928, 42: 811-5.—**Sédan, J.** Sur la tolérance durable de quelques volumineuses hernies de l'iris. *Ann. ocul., Par.*, 1933, 170: 72-7.—**Treatment of prolapse of the iris.** *Bull. Pract. Ophth.*, S. Franc., 1937, 7: 27.—**Wescott, V.** Treatment of prolapse of the iris. *Surg. J.*, 1927-28, 34: 6.
- **Pupil.**
- Amstler, M.** De la lueur pupillaire. *Rev. gén. ophth. Genève*, 1923, 37: 473-5, ch.—**Behr, C.** Ergebnisse der Pupillenforschung. *Zbl. ges. Ophth.*, 1934-35, 32: 241-57.—**Bollack, J.** Les pupilles à l'état statique. *Ann. méd. psychol., Par.*, 1938, 96: pt 2, 129. Also *Presse méd.*, 1938, 46: 1367. Also *Rev. neur.*, Par., 1938, 69: 590-601 [Discussion] 619. Also *Riv. otoneur.*, 1939, 16: 51-7 [Discussion] 65-8. **Cat-like pupils in man.** *Brit. M. J.*, 1915, 1: 436.—**Coutela, C.** Le pupille verticale de Moltke. *Aesculape, Par.*, 1935, 25: 30.—**Hird, R. B.** The pupil. *Birmingham M. Rev.*, 1937, 12: 225-41.—**Kahn, R. H.** Ueber binokulare Vereinigung der eigenen Pupillen. *Arch. ges. Physiol.*, 1912, 145: 249-60.—**Luckiesh, M., & Moss, F. K.** A correlation between pupillary area and retinal sensibility. *Am. J. Ophth.*, 1934, 3. ser., 17: 598-601.—**Monbrun, A.** Les pupilles à l'état dynamique. *Ann. méd. psychol., Par.*, 1938, pt 2, 129. — Les pupilles à l'état dynamique. *Presse méd.*, 1938, 46: 1368. Also *Rev. neur.*, Par., 1938, 69: 602-18 [Discussion] 619. Also *Riv. otoneur.*, 1939, 16: 57-68.—**Wagman, I. H., & Gullberg, J. E.** The relationship between monochromatic light and pupil diameter; the low intensity visibility curve as measured by pupillary measurements. *Am. J. Physiol.*, 1942, 137: 769-78.—**Walls, G. L.** The slit pupil. In his *Vertebr. Eye*, Bloomfield, 1942, 217-28.—**Werner, S.** Die Bedeutung der Pupillengröße für die Fusionsfrequenz bei Untersuchung mit intermittierendem Licht. *Acta ophth., Kbh.*, 1936, 14: 28-38.
- **Pupil: Anisocoria.**
- See also under names of primary diseases as **Neurosyphilis**, etc.
- BALMELLE, E.** *De l'inégalité pupillaire dans les anévrysmes artériels et les affections du cœur. 72p. 8° Toulouse, 1900.
- BERHOFF, F.** *Ueber Häufigkeit und Ursachen der Anisokorie. 20p. 8° Marb., 1907.
- KIPFER, M.** *Les inégalités pupillaires d'origine sympathique dans les lésions du système nerveux central; contribution à l'étude des voies et des centres d'encéphaliques du sympathique oculaire; étude clinique et expérimentale. 184p. 25½cm. Par., 1938.
- Alighè Mazzei, A.** L'anisocoria spontanea e provocata nei vizi cardiaci scompensati. *Atti Acad. fisiocrit. Siena*, 1929, 10. ser., 4: 501-19.—**Bonanno, A. M.** L'anisocoria in corso di radioterapia dei tumori del mediastino. *Gazz. osp.*, 1928, 49: 1175-80.—**Bychowski, Z.** W sprawie anisokoryi. *Post. okul.*, Kraków, 1910, 12: 263; 295.—**Byrne, J. G.** Mechanism of pupil inequality following bilateral section of the cervical sympathetic. In his *Stud. Physiol. Eye*, Lond., 1942, 49-61.—**Dieter, W.** Ueber die topisch-diagnostische Bedeutung der Anisokorie bei homonymer Hemianopsie (Behr'sches Phänomen) *Zschr. Augenh.*, 1928, 66: 300-8.—**Donini, G.** Dell'anisocoria nelle sindromi addominali. *Gior. clin. med.*, 1928, 9: 50-9.—**Dotti, P.** Anisocoria spontanea e anisocoria provocata. *Note psichiat.*, 1926, 3. ser., 14: 27-61. — La megalopia pupillare nei malati di tubercolosi polmonare; contributo clinico. *Tubercolosi*, 1931, 23: 93-100.—**Genet, L.** Mydriase unilatérale dans l'hérédosyphilis. *Bull. Soc. ophth. Paris*, 1933, pt 1, 379.—**Hansen, K.** Pupillengleichheit als Symptom innerer Erkrankungen. *Deut. Zschr. Nervenh.*, 1928, 107: 71-5.—**Jaeger, E.** Einseitige Pupillenstarre. *Klin. Mbl. Augenh.*, 1936, 97: 658-61.—**Körösi, A.** Zur Aetiologie der Pupillendifferenz; ein kurzer Beitrag zur Beziehung zwischen Auge und Ohr. *Mscr. Ohrenh.*, Wien, 1933, 67: 207-9.—**Kopylov, G. E.** [Anisocoria in excitation of the nerves of the abdominal cavity and intestinal wall] *J. Physiol. USSR*, 1940, 28: 329-34.—**Lafon, C.** Nouvelle contribution à l'étude des inégalités pupillaires; le miosis homolatéral par répercussivité para-sympathique dans les affections oculaires. *Ann. ocul., Par.*, 1927, 164: 770-80. — Contribución al estudio de las anisocorias: miosis homolatéral por repercusión parasimpática en las afecciones oculares. *Rev. otoneur.*, B. Air., 1928, 2: 142-4.—**Minchev, P.** Die Anisokorie bei Hund und Katze in Verbindung mit peripheren Entzündungsprozessen. *Arch. Ophth., Berl.*, 1932-33, 129: 379-86.—**Mossa, G.** L'anisocoria nella tubercolosi polmonare e suo comportamento nel pneumotorace. *Lettura off.*, 1933, 9: 544-56.—**Mpistis.** Περὶ τῆς τῆς ἀνισοκρίας. *Πατρικὸς μηνιαίος*, 1910, 10: 5.—**Nordmann, J.** L'anisocorie dans l'hémianopsie bitemporale évoluée à un œil. *Rev. otoneur.*, Par., 1931, 9: 175-7.—**Piperno, A.** Anisocoria of dental origin. *J. Am. Dent. Ass.*, 1934, 21: 1459-61.—**Rabinovich, M. G.** [Symptom of disparity of the pupils in pulmonary tuberculosis] *J. teor. prakt. med.*, 1929, 3: 169-86.—**Romaguera, L. P.** Síndrome frénico pupilar; su importancia en el diagnóstico y pronóstico de las afecciones pleuropulmonares tuberculosas. *Prensa méd.*, Habana, 1930, 21: No. 7, 4-30, pl. Also *Vida nueva*, Habana, 1930, 25: 507-35.—**Sabbadini, D.** Considerazioni sull'anisocoria fisiologica cosiddetta reazione di Tournay. *Riv. otoneur.*, 1926, 3: 131-60.—**Schauenberg, E.** L'inégalité pupillaire dans les affections de l'appareil respiratoire. *J. méd. chir.*, Par., 1926, 97: 280-8.—**Sergent, E., & Vasiliu.** Valeur expérimentale du pneumothorax artificiel dans l'étude de l'inégalité pupillaire simple. *Ibid.*, 1929, 109: 229-33.—**Smirnov, V. A.** [On disparity of the pupils] *Nevropat. psichiat.*, 1941, 10: No. 2, 64-7.—**Snell, H. K., & Cormack, G. H.** The incidence of unequal pupils in unconvicted prisoners. *Brit. M. J.*, 1938, 1: 672.—**Sreznovsky, V. V.** [Sound irritation

for diagnosis of latent anisocoria] Tr. Gosud. inst. med. znanij, 1929, No. 5, 33-9.—**Steele, H. D.** A case of anisocoria. Ophth. Rec., Chic., 1904, 13: 370.—**Stella, H. de.** L'anisocorie dans les inflammations de la caisse. Ann. otolar., Par., 1933, 1410-2.—**Top-Avramesco, A.** Anisocorie dépendant d'une anisométrie. Rev. neur., Par., 1909, 17: 177.—**Tournay, A., & Fourquier, G.** Remarques sur l'inégalité pupillaire par syndrome sympathique d'excitation. Rev. otoneur., Par., 1936, 14: 186-9.—**Tranquilli, E.** Dell'anisocoria in malattia sopra- e sottodiffammatrice. Gazz. med. Roma, 1932, 58: 166-70.—**Vetter, E., & Tournay, A.** L'inégalité pupillaire. Ann. ocul., Par., 1928, 165: 64-70. Also Arch. opht., Par., 1927, 44: 721-68. Also Bull. Soc. opht. Paris, 1927, 390-497. Interpretation des inégalités pupillaires. Médecine, Par., 1927-28, 9: 381-5. Les anisocories réflexes et par répercussivité. Rev. otoneur., Par., 1928, 6: 1-11.—**Waller, W. H., & Barris, R. W.** Pupillary inequality in the cat following experimental lesions of the occipital cortex. Am. J. Physiol., 1937, 120: 144-9.—**Weger, A. M.** [Sympathetic anisocoria in loaders] Sovet. psikhonevr., 1933, 9: 116-9.—**Weill, G., & Nordmann, J.** A propos de la pathogénie de certaines anisocories après traumatisme crânien. Rev. otoneur., Par., 1933, 11: 516.—**Weisz, M.** [Dissimilarity of the pupils] Budapesti orv. ujs., 1927, 25: 215-8.

— Pupil: Ectopy.

Alexiadès. Un cas de corectopie prononcée, bilatérale externe et symétrique. Arch. opht., Par., 1929, 46: 154-68.—**Ayers, W. McL.** Bilateral congenital corectopia, with displacement of the pupils upward and outward and luxation of the lenses downward and inward. Cincinnati Lancet Clin., 1902, n. ser., 49: 157.—**Blazeković, I.** Slučaj istosmjernog premještanja pupila i leće na obim očima. Lieč. vjest., 1905, 27: 223-31.—**Botteri.** Ein besonderer Fall von Polykorie. Klin. Mbl. Augenh., 1920, 64: 106-9.—**Danielson, R. W.** Bilateral ectopia pupillae and lentis. Am. J. Ophth., 1934, 3, ser., 17: 1153.—**Ginestoux, E.** Corectopie. Bull. Soc. méd. chir. Bordeaux (1925) 1926, 258-60.—**Lampis, E.** Corectopia bilaterale associata ad assenza della convergenza. Boll. ocul., 1930, 9: 393-418.—**MacRae, A.** Bilateral congenital disocoria. Tr. Ophth. Soc. U. K., 1937, 57: 346.—**Mills, R. G.** A case of polycoria. Bull. Manila M. Soc., 1912, 4: 119.—**Mussaibelli, U. C.** Zur Kasuistik der Korektopie. Zschr. Augenh., 1929, 68: 20-2.

— Pupil: Examination.

SCHUH, R. *Ueber die normalen Pupillenweiten von Kleinkindern und Säuglingen. 16p. 20½cm. [Erlangen] 1937.

Abelsdorf, G., & Piper, H. Vergleichende Messungen der Weite der direkt und der konsensual reagierenden Pupille. Arch. Augenh., 1904-5, 51: 366; 1910-11, 68: 196.—**Bab, W.** Zur diagnostischen Pupillenverweiterung. Klin. Mbl. Augenh., 1937, 98: 83.—**Becker.** Pupillendistanzmessungen. Arch. Psychiat., Berl., 1926, 77: 317-20.—**Bömer, M.** Ueber die praktische Verwendbarkeit des Sanderschen Pupilloskopes. Klin. Mbl. Augenh., 1933, 90: 207-10.—**Bolotina, S.** Die Anwendung des Hessschen Pupilloskops in der neurologischen Klinik. Deut. Zschr. Nervenhe., 1931, 121: 95-105. Also Klin. med., Moskva, 1931, 9: 82-5.—**Bourbon, O. P.** An improved pupillometer. Am. J. Ophth., 1942, 25: 1107.—**Bryhni, H.** Pupille diameteren som maal for bedømmelse av lysstyrken, spesielt ved fotografiske optagelser. Tskr. norske lægeforen., 1908, 28: 811-5.—**Cogan, D. G.** A simplified entoptic pupillometer. Am. J. Ophth., 1941, 24: 1431-3.—**Danis, M., & Coppez, J. H.** L'exploration de la pupille. Rev. otoneur., Par., 1926, 4: 81-106.—**Dupont, M.** Excitateur de la pupille pour la recherche du réflexe lunnieux. Bull. gén. théor., 1903, 145: 488-90.—**Engel, S.** Widerstandspupilloskop; ein neuer Apparat zur Messung der motorischen und optischen Unterschiedsempfindlichkeit. Arch. Augenh., 1930, 103: 657-64.—**Feldman, J. B.** An improved illuminator and pupillometer. Arch. Ophth., Chic., 1933, 9: 974-6.—**Ferree, C. E., & Rand, G.** A pupillometer. Am. J. Ophth., 1925, 8: 945-7. An instrument for measuring the breadth of the pupil. Am. J. Psychol., 1927, 38: 292, pl.—**Fitz, G. W.** The constants of pupillary reaction (a preliminary report of experimentation with the shadow pupillometer) Proc. Am. Physiol. Soc., 1911, 27: p. xxviii.—**Franceschetti, A.** A propos de la pupillométrie, méthode de Löwenstein. Rev. neur., Par., 1938, 69: 625.—**— & Borsotti, I.** L'importanza del metodo pupillografico di Löwenstein per l'accertamento delle reazioni pupillari fisiologiche e patologiche. Riv. otoneur., 1939, 16: 183-213.—**Frydrychowicz & Harms.** Ergebnisse pupillomotorischer Untersuchungen bei Gesunden und Kranken. Klin. Mbl. Augenh., 1940, 105: 373.—**Gallenga, R.** Metodo per l'esclusione del riflesso accomodativo nella determinazione del diametro pupillare. Lettura oft., 1931, 8: 629-33, pl.—**Gifford, S. R., & Mayer, L. L.** The clinical use of the Sander pupilloscope. Arch. Ophth., Chic., 1931, n. ser., 6: 63-9.—**Harms, H.** A new measure of interpupillary distance. Ibid., 1938, 19: 149.—**Hartinger, H.** Pupillenweiten. Zschr. opht. Optik, 1937, 25: 1-7.—**Hartlieb, R.** Die diagnostische Pupillenerweiterung. Deut. med. Wochschr., 1932, 58: 735.—**Helmbold.** Zur Prüfung der Pupillarreaktion. Med. Klin., Berl., 1911, 7: 1817.—**Inciardi, J. A.** A routine for diagnosing abnormal pupils. Dis. Eye & Throat, 1942, 2: 219-22.—**Jackson, E.**

To measure the pupil. Am. J. Ophth., 1942, 25: 871.—**Jones, R. C.** The koremotron; an instrument for measuring pupillary diameters. J. Optic. Soc. America, 1939, 29: 531-4.—**Kofman & Bujadoux.** Le réflexomètre pupillaire. C. rend. Soc. biol., 1922, 86: 1165.—**Krusius, F. F.** Isochrome Pupillenskala zur Messung in auf- und durchfallendem Lichte. Zschr. Augenh., 1909, 21: 208-12.—**Lampis, E.** Pupilloscopia endotica. Boll. ocul., 1934, 13: 1492-504.—**Last, S. L.** Die Frühdiagnose der huetischen Pupillenstörung mit dem Hess'schen Differentialpupilloskop. Deut. Zschr. Nervenhe., 1928-29, 107: 243-59.—**Löwenstein, O.** Pupillography: its significance in clinical neurology. Arch. Neur. Psychiat., Chic., 1940, 44: 227-9. Also J. Nerv. Ment. Dis., 1940, 92: 80-3.—**— & Friedman, E. D.** Pupillographic studies; present state of pupillography, its method and diagnostic significance. Arch. Ophth., Chic., 1942, 27: 969-93.—**Machemer, H.** Beiträge zur Physiologie und Pathologie der Pupille; eine kinematographische Methode zur Pupillennmessung und Registrierung der Irisbewegung. Klin. Mbl. Augenh., 1933, 91: 302-16, pl.—**Maltesos, C.** Eine Methode zur fortlaufenden Registrierung der Pupillenweite. Arch. ges. Physiol., 1938-39, 241: 129-31.—**Mazzucconi, M.** Ricerche sulla riflescometria pupillare con l'apparecchio Kotman-Bujadoux modificato. Ann. med. nav., Roma, 1926, 1: 187-201.—**Modonesi, F.** Contributo alla semiologia pupillare con presentazione ed illustrazione di un nuovo apparecchio: il pupilloscopio isoi vantaggi. Bull. sc. med., Bologna, 1929, 101: 133-55.—**[N. S. Mendelson's apparatus for measuring the amplitude of dilatation and contraction of the pupil]** Nevropat. psikiat., 1939, 8: No. 1, 134-6.—**Oppenheim, H.** Bemerkung zur Prüfung der Pupillarlichtreaktion. Neur. Zbl., 1911, 30: 362.—**Pacalini, G.** De l'utilisation de l'éclairer par contact pour la recherche des réflexes pupillaires photomoteurs et l'examen des images de Purkinje. Arch. opht., Par., 1925, 42: 735-40.—**Palomar Collado, F.** Representación gráfica de las distintas modalidades de los reflejos pupilares. Rev. méd. Barcelona, 1932, 17: 344-6, 2 diag.—**Ronne, H.** Pupillundersøgelsens teknik. Hospitalsridende, 1909, 5, R., 2: 338-42.—**Sander, E.** Ueber quantitative Messung der Pupillenreaktion und einen in der Praxis hierfür geeigneten einfachen Apparat. Klin. Mbl. Augenh., 1929, 83: 318-22.—**Schmelzer, H.** Eine einfache Untersuchungsmethode auf hemiopsische Pupillenstarre mittels der Spaltlampe. Ibid., 1931, 87: 200-3.—**Schuster, P.** Zu der Bemerkung zur Prüfung der Pupillarlichtreaktion von Herrn Prof. Oppenheim. Neur. Zbl., 1911, 30: 472.—**Sciortino, S. E.** Nuovo metodo di esplorazione farmacodinamica e suo valore semeiologico nelle anisocorie da lesioni nervose e in quelle fisiologiche. Boll. ocul., 1935, 14: 960-83.—**Scotti, P.** Sui vari metodi di misurazione del forame pupillare. Ann. ottalm., 1929, 57: 886-99.—**Walter, A.** Isophote pour la recherche du réflex pupillaire. Gaz. hôp., 1933, 106: 76.

— Pupil: Occlusion.

See also under such headings as **Cataract; Cornea, Leukoma; Iris, Abnormity: Persistent pupillary membrane, etc.**

Bulson, A. E. Surgery of the closed pupil. Tr. Indiana Acad. Ophth., 1929, 10-20. Also Am. J. Ophth., 1930, 3, ser., 13: 871-5. Also J. Indiana M. Ass., 1930, 23: 531-4.—**Grave, E.** Oclusión pupilar. An. Soc. mex. oft., 1932-33, 10: 39-42.—**Hurlaut, J., & Sverdliek, J.** Patología quirúrgica de la oclusión pupilar. Arch. oft. B. Aires, 1941, 16: 449-52.—**Treatment of occluded or obliterated pupil.** Bull. Pract. Ophth., S. Franc., 1939, 9: 3-5.—**Ziegler, S. L.** Membranous occlusion of pupil following secondary infection; treated with phylacogen. Tr. Coll. Physicians Philadelphia, 1916, 3, ser., 38: 352.

— Pupil: Polycoria.

Bakly, M. A. el. A peculiar case of polycoria. Bull. Ophth. Soc. Egypt, 1936, 29: 153-5.—**Lisch, K.** Zur Kenntnis der Polykorie. Klin. Mbl. Augenh., 1938, 100: 896-900.—**Pires de Lima, J. A., & Lemos, M. de.** Biomicroscopie d'un iris à 2 pupilles. Ann. anat. path., Par., 1937, 14: 159-61. Also Arg. anat., Lisb., 1937, 18: 419-24.—**Riad, M., & Boulgakow, B.** A case of diplocoria in a donkey. Bull. Ophth. Soc. Egypt, 1935, 28: 118.—**Sédan, J.** Polycore in tréfle unilatérale. Ann. ocul., Par., 1927, 164: 683-9.—**Sivtsev, D. A.** K voprosu o tak naz. polikorii. Vest. oft., 1911, 28: 581-4.

— Pupil, tonic [Adie's syndrome]

BOENTE, F. *Ein Beitrag zur traumatisch bedingten pseudoreflektorischen Pupillenstarre. 35p. 8° Berl., 1927.

CUNZ, H. *Beobachtungen von Adie'schem Syndrom an der Medizinischen Poliklinik Zürich in den Jahren 1933-37 [Zürich] 35p. 21cm. Niederurnen, 1940.

CURVEILLE, J. *Du syndrome d'Adie; de son diagnostic et des problèmes étiologiques qu'il pose. 77p. 8° Lyon, 1935.

DESPLANQUES, J. *Sur la pupille tonique. 51p. 8° Par., 1937.

KEHRER, F. Die Kuppelungen von Pupillenstörungen mit Aufhebung der Sehnenreflexe; Adie-Syndrom, Pupillotonie, Pseudotabes, konstitutionelle Areflexie. 59p. 8° Lpz., 1937.

Adie, W. J. Tonic pupils and absent tendon reflexes: a benign disorder sui generis; its complete and incomplete forms. *Brain*, Lond., 1932, 55: 98-113.

Complete and incomplete forms of the benign disorder characterised by tonic pupils and absent tendon reflexes. *Brit. J. Ophthalm.*, 1932, 16: 449-61.—Adler, F. H., & Scheie, H. G. The site of the disturbance in tonic pupils. *Tr. Am. Ophthalm. Soc.*, 1940, 38: 183-92, 5 pl.—Alajouanine, T., & Morax, P. V. La pupille tonique (pupillotonie) et ses rapports avec le syndrome d'Adie. *Ann. ocul.*, Par., 1938, 175: 205; 277.—Allen, I. M. Tonic pupils with and without areflexia. *N. Zealand M. J.*, 1938, 37: 279-90.—André-Thomas & Ajuriaguerra, J. de. Association de troubles pupillaires et d'aréflexie ostéotendineuse. *Rev. neur.*, Par., 1936, 66: 78-86.—Babonneix, L., Grenet, H., & Sigwald, J. Syndrome d'Adie chez une fillette. *Ibid.*, 67: 622.—Barré, J. A. & Helle, Syndrome d'Adie bilatéral avec des troubles pupillaires. *Ibid.*, 1934, 41: pt 1, 542-5.—Barré, J. A., & Klein, M. Etude d'un cas de syndrome d'Adie. *Ibid.*, 590-2.—Bergmark, C. Ueber die Actiologie der Pupillotonie. *Acta psychiat. neur. Kbh.*, 1939, 14: 297-305.

Bernhardt, H. Adie's syndrome. *Med. Bull. Veterans Admin.*, 1942-43, 19: 178-81.—Bettini, D. Adie-Syndrom und Avitaminose. *Deut. med. Wschr.*, 1939, 65: 1130.

Bieling, Scheinbare Pupillenstarre. *Zschr. Augenh.*, 1935, 86: 342.—Bistis, J. La pupille tonique. *Zschr. Augenh.*, 1935, 86: 342.—Bistis, J. La pupille tonique. *Zschr. Augenh.*, 1935, 86: 342.—Bistis, J. La pupille tonique. *Zschr. Augenh.*, 1935, 86: 342.

Arch. Neur. Psychiat., Chic., 1935, 33: 676-9.—Birki, E. Ueber Pupillotonie. *Klin. Mbl. Augenh.*, 1937, 99: 145-68.—Cardell, J. D. M. Two cases of myotonic pupil (atypical). *Proc. R. Soc. M.*, Lond., 1933, 26: 37.—Cardona, F. Sulla sindrome di Adie. *Riv. pat. nerv.*, 1936, 48: 188-213.—Cefaly, A. La sindrome di Adie. *Rinasc. med.*, 1939, 16: 616.—Chavany, J. A. A propos d'un cas de pupillotonie (syndrome d'Adie). *Presse méd.*, 1935, 43: 1243.—Copezz, H. Deux cas de syndrome d'Adie. *Bull. Soc. belge opht.*, 1934, No. 70, 60-5.—Cowan, T. H. Adie's syndrome; report of a case. *Arch. Neur. Psychiat.*, Chic., 1941, 46: 181.—Also *Arch. Ophthalm.*, 1941, 25: 736.—Also *Am. J. Ophthalm.*, 1942, 25: 457.—Dahlgren, K. G. [Adie's syndrome] Nord. med., 1930, 2: 1787-90.—De Busseher, J. Pupillotonie et aréflexie tendineuse. *J. belge neur. psychiat.*, 1935, 35: 331-8.—De Jaeger, A. Trois cas de syndrome d'Adie. *Bull. Soc. belge opht.*, 1938, No. 77, 118-26.—Dressler, M. Zur Kenntnis der Pathogenese des Adieschen Syndroms. *Helvet. med. acta*, 1937, 4: 864-9.—Familiäres Vorkommen von Adieschem Syndrom mit Hippus. *Klin. Wschr.*, 1937, 16: 1013-7.—Dynes, J. B. Adie's syndrome; its recognition and importance. *J. Am. M. Ass.*, 1942, 119: 1495-7.—Ferreira, F. Sindrom de Adie; sobre uma observação clinica. *Rev. med. Bahia*, 1941, 9: 51-3.—Franchel, F. La pupille tonique; syndrome d'Adie. *Gaz. hôp.*, 1935, 108: 1663-8.—Frogé & Chiniara, J. Abolition des réflexes rotuliens et achilléens avec conservation des autres réflexes tendineux; troubles de la motilité irienne, syndrome d'Adie. *Bull. Soc. opht. Paris*, 1936, 557-60.—Garcia Miranda, A., & Lopez, J. Pupillotonia ed areflexia generalizante; síndrome di Adie. *Minerva med.*, Tor., 1941, 32: pt 1, 43 (Abstr.).—Gardner, W. J., & Shively, F. L., jr. Adie's syndrome; report of 4 cases. *Cleveland Clin. Q.*, 1940, 7: 203-8.—Gordon, M. M. [Myotonic reaction of the pupils and the significance in diagnosis of pseudosyphilis] *Soviet. vrach.*, J., 1936, 1: 22-8.—Guillaumat, L. Pupille tonique chez un spécifique. *Rev. otoneur.*, Par., 1938, 16: 145-9.—Harris, W. Adie's syndrome, tonic pupils. *Proc. R. Soc. M.*, Lond., 1941-42, 35: 188.—Hassin, G. B., & Thompson, J. J. Pupillotonia or tonic pupils; report of three cases. *J. Nerv. Ment. Dis.*, 1934, 80: 430-6.—Heersema, P. H., & Moersch, F. P. Adie's syndrome. *Proc. Mayo Clin.*, 1939, 14: 17-22.—Hough, W. H. Adie's syndrome in twins; a preliminary report. *Med. Ann. District of Columbia*, 1941, 10: 137-40.—Hubin, R. Un cas de syndrome d'Adie. *Liège méd.*, 1936, 29: 605-11.—Hilling, E. Ueber Pupillotonie (tonische Konvergenzreaktion scheinbar lichtstarrer Pupillen) *Mtschr. Psychiat.*, 1933, 85: 135-44.—Irfan Basar. [Case of Adie's syndrome] *Bull. Soc. turque méd.*, 1939, 5: 257-9.—Jelliffe, S. E. The myotonic pupil: a contribution and a critical review. *J. Neur. Psychopath.*, Brit., 1933, 13: 349-58.—Jennings, L. M. Two cases of myotonic pupils. *Roy. Berkshire Hosp. Rep.*, 1933, 27-9.—Keevil, J. J. A case of Adie's syndrome. *J. R. Nav. M. Serv.*, 1939, 25: 69.—Kholiavkin, A. D. [Certain pupillary disorders in relation to tendon areflexia] *Nevropat. psikiat.*, 1940, 9: No. 5, 79-83.—Kintner, G. Two cases of Adie's syndrome. *Optometr. Week.*, 1940-41, 31: 325-7.—Krotkov, N. V. [Case of Adie's syndrome] *Vest. oft.*, 1941, 18: 207-10.—Kryleis, W. Scheinbare Pupillenstarre (Pupillotonie) mit Fehlen von Sehnen- und Periostreflexen (eine Systemerkrankung?) *Zschr. Augenh.*, 1934, 83: 278-86.—Leathart, P. W. The tonic pupil syndrome. *Brit. J. Ophthalm.*, 1942, 26: 60-4.—Leonhard, K. Zur Pathogenese der pupillotonischen Pseudo-

tabes. *Munch. med. Wschr.*, 1938, 85: 321-3.—Lister, A. Tonic pupil. *Am. J. Ophthalm.*, 1934, 3. ser., 17: 857.—Lowenstein, O., & Friedman, E. D. Adie's syndrome, pupillotonie pseudotabes. *Arch. Ophthalm.*, Chic., 1942, 28: 1042-68.—McKinney, J. McD., & Frocht, M. Adie's syndrome; report of three cases. *Arch. Neur. Psychiat.*, Chic., 1939, 42: 961.

Adie's syndrome; a non-luetic disease simulating tabes dorsalis. *Am. J. M. Sc.*, 1940, 199: 546-55.—Marchesani, O. Pupillotonie (pseudoreflektorische Pupillenstarre) und Störungen der Sehnenreflexe (Adiesches Syndrom) *Jahrbuch. ärztl. Fortbild.*, 1938, 29: H. 11, 33-8.—Markus, C. The tonic pupil. *Brit. J. Ophthalm.*, 1942, 26: 137.—Marsigli, L. Sulla sindrome dell'Adie. *Riv. otoneur.*, 1938, 15: 349-52.—Martins Rocha. Caso de síndrome de Adie. *Arq. Inst. Penido Burnier*, 1940-42, 6: 424 (Abstr.).—Marx, P. Deux cas de pupillotonie. *Rev. otoneur.*, Par., 1939, 17: 454-9.—Matzdorff, P. Beiträge zur Kenntnis der Pupillotonie (Adiesches Syndrom) *Deut. med. Wschr.*, 1939, 65: 1307-9.—Miller, F. J. W. Tonic pupils with absent tendon reflexes (Adie's syndrome); a note upon two cases. *Newcastle M. J.*, 1938, 18: 86-91.—Moore, R. F. Adie's syndrome. *Brit. M. J.*, 1941, 1: 99.—Müller, H. K. Pupillotonie und Adiesche Krankheit. *Zschr. Augenh.*, 1935, 87: 169; 1936, 88: 20-8.—Newman, B. A., & Jacobson, H. P. Adie's syndrome; pseudo Argyll Robertson pupil. *Arch. Derm. Syph.*, Chic., 1940, 42: 360.—Nyirö, G. [Adie's syndrome] *Örv. hetil.*, 1939, 83: mell. 141.—Penido Burnier, Caso de síndrome de Adie. *Arq. Inst. Penido Burnier*, 1940-42, 6: 423 (Abstr.).—Petit, G., & Delmond, J. Le syndrome d'Adie en pathologie mentale; ses rapports avec les syndromes neuro et psycho-anémiques. *Ann. méd. psychol.*, Par., 1936, 94: pt 1, 497-519.—Polonsky, S. P. [On the pseudo-Argyll-Robertson syndrome] *Nevropat. psikiat.*, 1936, 5: 1141-8.—Pommé, B., & Coumel, H. Abolition de plusieurs réflexes tendineux pupillaires sans étiologie syphilitique. *Rev. neur.*, Par., 1933, 40: pt 2, 108-11.—Ramírez, P. Syndrome de Adie. *Arch. urug. med.*, 1939, 15: 124-34.—Also *Acción méd.*, B. Air., 1940, 10: 21-4.—Rønne, H. Et tilfælde af myotonisk pupilreaktion (Laenger) Hospitalstidende, 1909, 5. K., 2: 501.—Romberg, E. H. Ueber das Adiesche Syndrom. *Zschr. ges. Neur. Psychiat.*, 1937, 158: 145-7.—Schaltenbrand, G. Beruht das Adiesche Syndrom auf einer Avitaminose? *Deut. med. Wschr.*, 1937, 63: 1517-20.—Rudolf, G. de M. Tonic pupils with absent tendon reflexes in mother and daughter. *J. Neur. Psychopath.*, Lond., 1935-36, 16: 367.—Adie's syndrome. *Am. J. Ophthalm.*, 1940, 3. ser., 23: 196.—Site of disturbance in Adie's syndrome. *Arch. Ophthalm.*, Chic., 1940, 24: 225-37.—Adler, F. H. Site of the disturbance of tonic pupils, Adie's syndrome. *Ibid.*, 1041-4.—Sittig, O. Pupillotonie (syndrome d'Adie) et syphilis. *Rev. neur.*, Par., 1937, 68: 753-6.—Sørensen, E. [Two cases of Adie's disease] Hospitalstidende, 1937, 80: Dansk neur. selsk. forh. 2-4.—Strandberg, J. Adie's syndrome in syphilis. *Acta dermat. vener.*, Stockh., 1939, 20: 389-95.—Suárez Gabard, S. Pupillotonia y sífilis; a propósito de un caso. *Arch. oft. B. Aires*, 1939, 14: 1006-9.—Tonic (The) pupil syndrome. *Ind. M. Rec.*, 1942, 62: 313-6.—Vampire, E. Syndrome de Adie; à propos d'un cas. *Rev. As. méd. arg.*, 1936, 50: 1925.—Voisin, J. Une cause d'erreur dans la recherche du signe d'Argyll Robertson; la pupille tonique. *Progr. méd.*, Par., 1938, 645.—Von Hagen, K. O. Tonic pupils with absent tendon reflexes; the so-called Holmes-Adie syndrome; report of two cases. *Bull. Los Angeles Neur. Soc.*, 1937, 2: 171-6.—Voss, G. Pupillotonie ein hereditäres Syndrom? *Deut. med. Wschr.*, 1938, 64: 1251-3.—Waldman, J., Eads, J. T., & Matthews, R. A. Adie's syndrome, report of a case. *Arch. Neur. Psychiat.*, Chic., 1940, 43: 396.—Weber, F. P. Adie's syndrome. *Brit. M. J.*, 1941, 1: 138.—Dr. Markus's original case of Markus's syndrome (myotonic pupil with absence of patellar and Achilles reflexes) shown twenty-seven and a half years ago. *Proc. R. Soc. M.*, Lond., 1933, 26: 530.—Weill, G., & Reys, L. Sur la pupillotonie: contribution à l'étude de sa pathogénie; à propos d'un cas de réaction tonique d'une pupille à la convergence et parésie de l'accommodation avec aréflexie à la lumière chez un sujet atteint de crises tétaniques et d'aréflexie des membres inférieurs. *Rev. otoneur.*, Par., 1926, 4: 433-41.—Wortis, S. B., & Reichard, J. D. Adie's syndrome; tonic pupils and absent tendon reflexes. *Hosp. News, Wash.*, 1935, 2, 11: 14-20.—Zalla, M. Una forma benigna di pseudo-tabe: la sindrome di Adie. *Rass. clin. sc.*, 1937, 15: 131-4.

Adie's syndrome; a non-luetic disease simulating tabes dorsalis. *Am. J. M. Sc.*, 1940, 199: 546-55.—Marchesani, O. Pupillotonie (pseudoreflektorische Pupillenstarre) und Störungen der Sehnenreflexe (Adiesches Syndrom) *Jahrbuch. ärztl. Fortbild.*, 1938, 29: H. 11, 33-8.—Markus, C. The tonic pupil. *Brit. J. Ophthalm.*, 1942, 26: 137.—Marsigli, L. Sulla sindrome dell'Adie. *Riv. otoneur.*, 1938, 15: 349-52.—Martins Rocha. Caso de síndrome de Adie. *Arq. Inst. Penido Burnier*, 1940-42, 6: 424 (Abstr.).—Marx, P. Deux cas de pupillotonie. *Rev. otoneur.*, Par., 1939, 17: 454-9.—Matzdorff, P. Beiträge zur Kenntnis der Pupillotonie (Adiesches Syndrom) *Deut. med. Wschr.*, 1939, 65: 1307-9.—Miller, F. J. W. Tonic pupils with absent tendon reflexes (Adie's syndrome); a note upon two cases. *Newcastle M. J.*, 1938, 18: 86-91.—Moore, R. F. Adie's syndrome. *Brit. M. J.*, 1941, 1: 99.—Müller, H. K. Pupillotonie und Adiesche Krankheit. *Zschr. Augenh.*, 1935, 87: 169; 1936, 88: 20-8.—Newman, B. A., & Jacobson, H. P. Adie's syndrome; pseudo Argyll Robertson pupil. *Arch. Derm. Syph.*, Chic., 1940, 42: 360.—Nyirö, G. [Adie's syndrome] *Örv. hetil.*, 1939, 83: mell. 141.—Penido Burnier, Caso de síndrome de Adie. *Arq. Inst. Penido Burnier*, 1940-42, 6: 423 (Abstr.).—Petit, G., & Delmond, J. Le syndrome d'Adie en pathologie mentale; ses rapports avec les syndromes neuro et psycho-anémiques. *Ann. méd. psychol.*, Par., 1936, 94: pt 1, 497-519.—Polonsky, S. P. [On the pseudo-Argyll-Robertson syndrome] *Nevropat. psikiat.*, 1936, 5: 1141-8.—Pommé, B., & Coumel, H. Abolition de plusieurs réflexes tendineux pupillaires sans étiologie syphilitique. *Rev. neur.*, Par., 1933, 40: pt 2, 108-11.—Ramírez, P. Syndrome de Adie. *Arch. urug. med.*, 1939, 15: 124-34.—Also *Acción méd.*, B. Air., 1940, 10: 21-4.—Rønne, H. Et tilfælde af myotonisk pupilreaktion (Laenger) Hospitalstidende, 1909, 5. K., 2: 501.—Romberg, E. H. Ueber das Adiesche Syndrom. *Zschr. ges. Neur. Psychiat.*, 1937, 158: 145-7.—Schaltenbrand, G. Beruht das Adiesche Syndrom auf einer Avitaminose? *Deut. med. Wschr.*, 1937, 63: 1517-20.—Rudolf, G. de M. Tonic pupils with absent tendon reflexes in mother and daughter. *J. Neur. Psychopath.*, Lond., 1935-36, 16: 367.—Adie's syndrome. *Am. J. Ophthalm.*, 1940, 3. ser., 23: 196.—Site of disturbance in Adie's syndrome. *Arch. Ophthalm.*, Chic., 1940, 24: 225-37.—Adler, F. H. Site of the disturbance of tonic pupils, Adie's syndrome. *Ibid.*, 1041-4.—Sittig, O. Pupillotonie (syndrome d'Adie) et syphilis. *Rev. neur.*, Par., 1937, 68: 753-6.—Sørensen, E. [Two cases of Adie's disease] Hospitalstidende, 1937, 80: Dansk neur. selsk. forh. 2-4.—Strandberg, J. Adie's syndrome in syphilis. *Acta dermat. vener.*, Stockh., 1939, 20: 389-95.—Suárez Gabard, S. Pupillotonia y sífilis; a propósito de un caso. *Arch. oft. B. Aires*, 1939, 14: 1006-9.—Tonic (The) pupil syndrome. *Ind. M. Rec.*, 1942, 62: 313-6.—Vampire, E. Syndrome de Adie; à propos d'un cas. *Rev. As. méd. arg.*, 1936, 50: 1925.—Voisin, J. Une cause d'erreur dans la recherche du signe d'Argyll Robertson; la pupille tonique. *Progr. méd.*, Par., 1938, 645.—Von Hagen, K. O. Tonic pupils with absent tendon reflexes; the so-called Holmes-Adie syndrome; report of two cases. *Bull. Los Angeles Neur. Soc.*, 1937, 2: 171-6.—Voss, G. Pupillotonie ein hereditäres Syndrom? *Deut. med. Wschr.*, 1938, 64: 1251-3.—Waldman, J., Eads, J. T., & Matthews, R. A. Adie's syndrome, report of a case. *Arch. Neur. Psychiat.*, Chic., 1940, 43: 396.—Weber, F. P. Adie's syndrome. *Brit. M. J.*, 1941, 1: 138.—Dr. Markus's original case of Markus's syndrome (myotonic pupil with absence of patellar and Achilles reflexes) shown twenty-seven and a half years ago. *Proc. R. Soc. M.*, Lond., 1933, 26: 530.—Weill, G., & Reys, L. Sur la pupillotonie: contribution à l'étude de sa pathogénie; à propos d'un cas de réaction tonique d'une pupille à la convergence et parésie de l'accommodation avec aréflexie à la lumière chez un sujet atteint de crises tétaniques et d'aréflexie des membres inférieurs. *Rev. otoneur.*, Par., 1926, 4: 433-41.—Wortis, S. B., & Reichard, J. D. Adie's syndrome; tonic pupils and absent tendon reflexes. *Hosp. News, Wash.*, 1935, 2, 11: 14-20.—Zalla, M. Una forma benigna di pseudo-tabe: la sindrome di Adie. *Rass. clin. sc.*, 1937, 15: 131-4.

Adie's syndrome; a non-luetic disease simulating tabes dorsalis. *Am. J. M. Sc.*, 1940, 199: 546-55.—Marchesani, O. Pupillotonie (pseudoreflektorische Pupillenstarre) und Störungen der Sehnenreflexe (Adiesches Syndrom) *Jahrbuch. ärztl. Fortbild.*, 1938, 29: H. 11, 33-8.—Markus, C. The tonic pupil. *Brit. J. Ophthalm.*, 1942, 26: 137.—Marsigli, L. Sulla sindrome dell'Adie. *Riv. otoneur.*, 1938, 15: 349-52.—Martins Rocha. Caso de síndrome de Adie. *Arq. Inst. Penido Burnier*, 1940-42, 6: 424 (Abstr.).—Marx, P. Deux cas de pupillotonie. *Rev. otoneur.*, Par., 1939, 17: 454-9.—Matzdorff, P. Beiträge zur Kenntnis der Pupillotonie (Adiesches Syndrom) *Deut. med. Wschr.*, 1939, 65: 1307-9.—Miller, F. J. W. Tonic pupils with absent tendon reflexes (Adie's syndrome); a note upon two cases. *Newcastle M. J.*, 1938, 18: 86-91.—Moore, R. F. Adie's syndrome. *Brit. M. J.*, 1941, 1: 99.—Müller, H. K. Pupillotonie und Adiesche Krankheit. *Zschr. Augenh.*, 1935, 87: 169; 1936, 88: 20-8.—Newman, B. A., & Jacobson, H. P. Adie's syndrome; pseudo Argyll Robertson pupil. *Arch. Derm. Syph.*, Chic., 1940, 42: 360.—Nyirö, G. [Adie's syndrome] *Örv. hetil.*, 1939, 83: mell. 141.—Penido Burnier, Caso de síndrome de Adie. *Arq. Inst. Penido Burnier*, 1940-42, 6: 423 (Abstr.).—Petit, G., & Delmond, J. Le syndrome d'Adie en pathologie mentale; ses rapports avec les syndromes neuro et psycho-anémiques. *Ann. méd. psychol.*, Par., 1936, 94: pt 1, 497-519.—Polonsky, S. P. [On the pseudo-Argyll-Robertson syndrome] *Nevropat. psikiat.*, 1936, 5: 1141-8.—Pommé, B., & Coumel, H. Abolition de plusieurs réflexes tendineux pupillaires sans étiologie syphilitique. *Rev. neur.*, Par., 1933, 40: pt 2, 108-11.—Ramírez, P. Syndrome de Adie. *Arch. urug. med.*, 1939, 15: 124-34.—Also *Acción méd.*, B. Air., 1940, 10: 21-4.—Rønne, H. Et tilfælde af myotonisk pupilreaktion (Laenger) Hospitalstidende, 1909, 5. K., 2: 501.—Romberg, E. H. Ueber das Adiesche Syndrom. *Zschr. ges. Neur. Psychiat.*, 1937, 158: 145-7.—Schaltenbrand, G. Beruht das Adiesche Syndrom auf einer Avitaminose? *Deut. med. Wschr.*, 1937, 63: 1517-20.—Rudolf, G. de M. Tonic pupils with absent tendon reflexes in mother and daughter. *J. Neur. Psychopath.*, Lond., 1935-36, 16: 367.—Adie's syndrome. *Am. J. Ophthalm.*, 1940, 3. ser., 23: 196.—Site of disturbance in Adie's syndrome. *Arch. Ophthalm.*, Chic., 1940, 24: 225-37.—Adler, F. H. Site of the disturbance of tonic pupils, Adie's syndrome. *Ibid.*, 1041-4.—Sittig, O. Pupillotonie (syndrome d'Adie) et syphilis. *Rev. neur.*, Par., 1937, 68: 753-6.—Sørensen, E. [Two cases of Adie's disease] Hospitalstidende, 1937, 80: Dansk neur. selsk. forh. 2-4.—Strandberg, J. Adie's syndrome in syphilis. *Acta dermat. vener.*, Stockh., 1939, 20: 389-95.—Suárez Gabard, S. Pupillotonia y sífilis; a propósito de un caso. *Arch. oft. B. Aires*, 1939, 14: 1006-9.—Tonic (The) pupil syndrome. *Ind. M. Rec.*, 1942, 62: 313-6.—Vampire, E. Syndrome de Adie; à propos d'un cas. *Rev. As. méd. arg.*, 1936, 50: 1925.—Voisin, J. Une cause d'erreur dans la recherche du signe d'Argyll Robertson; la pupille tonique. *Progr. méd.*, Par., 1938, 645.—Von Hagen, K. O. Tonic pupils with absent tendon reflexes; the so-called Holmes-Adie syndrome; report of two cases. *Bull. Los Angeles Neur. Soc.*, 1937, 2: 171-6.—Voss, G. Pupillotonie ein hereditäres Syndrom? *Deut. med. Wschr.*, 1938, 64: 1251-3.—Waldman, J., Eads, J. T., & Matthews, R. A. Adie's syndrome, report of a case. *Arch. Neur. Psychiat.*, Chic., 1940, 43: 396.—Weber, F. P. Adie's syndrome. *Brit. M. J.*, 1941, 1: 138.—Dr. Markus's original case of Markus's syndrome (myotonic pupil with absence of patellar and Achilles reflexes) shown twenty-seven and a half years ago. *Proc. R. Soc. M.*, Lond., 1933, 26: 530.—Weill, G., & Reys, L. Sur la pupillotonie: contribution à l'étude de sa pathogénie; à propos d'un cas de réaction tonique d'une pupille à la convergence et parésie de l'accommodation avec aréflexie à la lumière chez un sujet atteint de crises tétaniques et d'aréflexie des membres inférieurs. *Rev. otoneur.*, Par., 1926, 4: 433-41.—Wortis, S. B., & Reichard, J. D. Adie's syndrome; tonic pupils and absent tendon reflexes. *Hosp. News, Wash.*, 1935, 2, 11: 14-20.—Zalla, M. Una forma benigna di pseudo-tabe: la sindrome di Adie. *Rass. clin. sc.*, 1937, 15: 131-4.

Adie's syndrome; a non-luetic disease simulating tabes dorsalis. *Am. J. M. Sc.*, 1940, 199: 546-55.—Marchesani, O. Pupillotonie (pseudoreflektorische Pupillenstarre) und Störungen der Sehnenreflexe (Adiesches Syndrom) *Jahrbuch. ärztl. Fortbild.*, 1938, 29: H. 11, 33-8.—Markus, C. The tonic pupil. *Brit. J. Ophthalm.*, 1942, 26: 137.—Marsigli, L. Sulla sindrome dell'Adie. *Riv. otoneur.*, 1938, 15: 349-52.—Martins Rocha. Caso de síndrome de Adie. *Arq. Inst. Penido Burnier*, 1940-42, 6: 424 (Abstr.).—Marx, P. Deux cas de pupillotonie. *Rev. otoneur.*, Par., 1939, 17: 454-9.—Matzdorff, P. Beiträge zur Kenntnis der Pupillotonie (Adiesches Syndrom) *Deut. med. Wschr.*, 1939, 65: 1307-9.—Miller, F. J. W. Tonic pupils with absent tendon reflexes (Adie's syndrome); a note upon two cases. *Newcastle M. J.*, 1938, 18: 86-91.—Moore, R. F. Adie's syndrome. *Brit. M. J.*, 1941, 1: 99.—Müller, H. K. Pupillotonie und Adiesche Krankheit. *Zschr. Augenh.*, 1935, 87: 169; 1936, 88: 20-8.—Newman, B. A., & Jacobson, H. P. Adie's syndrome; pseudo Argyll Robertson pupil. *Arch. Derm. Syph.*, Chic., 1940, 42: 360.—Nyirö, G. [Adie's syndrome] *Örv. hetil.*, 1939, 83: mell. 141.—Penido Burnier, Caso de síndrome de Adie. *Arq. Inst. Penido Burnier*, 1940-42, 6: 423 (Abstr.).—Petit, G., & Delmond, J. Le syndrome d'Adie en pathologie mentale; ses rapports avec les syndromes neuro et psycho-anémiques. *Ann. méd. psychol.*, Par., 1936, 94: pt 1, 497-519.—Polonsky, S. P. [On the pseudo-Argyll-Robertson syndrome] *Nevropat. psikiat.*, 1936, 5: 1141-8.—Pommé, B., & Coumel, H. Abolition de plusieurs réflexes tendineux pupillaires sans étiologie syphilitique. *Rev. neur.*, Par., 1933, 40: pt 2, 108-11.—Ramírez, P. Syndrome de Adie. *Arch. urug. med.*, 1939, 15: 124-34.—Also *Acción méd.*, B. Air., 1940, 10: 21-4.—Rønne, H. Et tilfælde af myotonisk pupilreaktion (Laenger) Hospitalstidende, 1909, 5. K., 2: 501.—Romberg, E. H. Ueber das Adiesche Syndrom. *Zschr. ges. Neur. Psychiat.*, 1937, 158: 145-7.—Schaltenbrand, G. Beruht das Adiesche Syndrom auf einer Avitaminose? *Deut. med. Wschr.*, 1937, 63: 1517-20.—Rudolf, G. de M. Tonic pupils with absent tendon reflexes in mother and daughter. *J. Neur. Psychopath.*, Lond., 1935-36, 16: 367.—Adie's syndrome. *Am. J. Ophthalm.*, 1940, 3. ser., 23: 196.—Site of disturbance in Adie's syndrome. *Arch. Ophthalm.*, Chic., 1940, 24: 225-37.—Adler, F. H. Site of the disturbance of tonic pupils, Adie's syndrome. *Ibid.*, 1041-4.—Sittig, O. Pupillotonie (syndrome d'Adie) et syphilis. *Rev. neur.*, Par., 1937, 68: 753-6.—Sørensen, E. [Two cases of Adie's disease] Hospitalstidende, 1937, 80: Dansk neur. selsk. forh. 2-4.—Strandberg, J. Adie's syndrome in syphilis. *Acta dermat. vener.*, Stockh., 1939, 20: 389-95.—Suárez Gabard, S. Pupillotonia y sífilis; a propósito de un caso. *Arch. oft. B. Aires*, 1939, 14: 1006-9.—Tonic (The) pupil syndrome. *Ind. M. Rec.*, 1942, 62: 313-6.—Vampire, E. Syndrome de Adie; à propos d'un cas. *Rev. As. méd. arg.*, 1936, 50: 1925.—Voisin, J. Une cause d'erreur dans la recherche du signe d'Argyll Robertson; la pupille tonique. *Progr. méd.*, Par., 1938, 645.—Von Hagen, K. O. Tonic pupils with absent tendon reflexes; the so-called Holmes-Adie syndrome; report of two cases. *Bull. Los Angeles Neur. Soc.*, 1937, 2: 171-6.—Voss, G. Pupillotonie ein hereditäres Syndrom? *Deut. med. Wschr.*, 1938, 64: 1251-3.—Waldman, J., Eads, J. T., & Matthews, R. A. Adie's syndrome, report of a case. *Arch. Neur. Psychiat.*, Chic., 1940, 43: 396.—Weber, F. P. Adie's syndrome. *Brit. M. J.*, 1941, 1: 138.—Dr. Markus's original case of Markus's syndrome (myotonic pupil with absence of patellar and Achilles reflexes) shown twenty-seven and a half years ago. *Proc. R. Soc. M.*, Lond., 1933, 26: 530.—Weill, G., & Reys, L. Sur la pupillotonie: contribution à l'étude de sa pathogénie; à propos d'un cas de réaction tonique d'une pupille à la convergence et parésie de l'accommodation avec aréflexie à la lumière chez un sujet atteint de crises tétaniques et d'aréflexie des membres inférieurs. *Rev. otoneur.*, Par., 1926, 4: 433-41.—Wortis, S. B., & Reichard, J. D. Adie's syndrome; tonic pupils and absent tendon reflexes. *Hosp. News, Wash.*, 1935, 2, 11: 14-20.—Zalla, M. Una forma benigna di pseudo-tabe: la sindrome di Adie. *Rass. clin. sc.*, 1937, 15: 131-4.

Adie's syndrome; a non-luetic disease simulating tabes dorsalis. *Am. J. M. Sc.*, 1940, 199: 546-55.—Marchesani, O. Pupillotonie (pseudoreflektorische Pupillenstarre) und Störungen der Sehnenreflexe (Adiesches Syndrom) *Jahrbuch. ärztl. Fortbild.*, 1938, 29: H. 11, 33-8.—Markus, C. The tonic pupil. *Brit. J. Ophthalm.*, 1942, 26: 137.—Marsigli, L. Sulla sindrome dell'Adie. *Riv. otoneur.*, 1938, 15: 349-52.—Martins Rocha. Caso de síndrome de Adie. *Arq. Inst. Penido Burnier*, 1940-42, 6: 424 (Abstr.).—Marx, P. Deux cas de pupillotonie. *Rev. otoneur.*, Par., 1939, 17: 454-9.—Matzdorff, P. Beiträge zur Kenntnis der Pupillotonie (Adiesches Syndrom) *Deut. med. Wschr.*, 1939, 65: 1307-9.—Miller, F. J. W. Tonic pupils with absent tendon reflexes (Adie's syndrome); a note upon two cases. *Newcastle M. J.*, 1938, 18: 86-91.—Moore, R. F. Adie's syndrome. *Brit. M. J.*, 1941, 1: 99.—Müller, H. K. Pupillotonie und Adiesche Krankheit. *Zschr. Augenh.*, 1935, 87: 169; 1936, 88: 20-8.—Newman, B. A., & Jacobson, H. P. Adie's syndrome; pseudo Argyll Robertson pupil. *Arch. Derm. Syph.*, Chic., 1940, 42: 360.—Nyirö, G. [Adie's syndrome] *Örv. hetil.*, 1939, 83: mell. 141.—Penido Burnier, Caso de síndrome de Adie. *Arq. Inst. Penido Burnier*, 1940-42, 6: 423 (Abstr.).—Petit, G., & Delmond, J. Le syndrome d'Adie en pathologie mentale; ses rapports avec les syndromes neuro et psycho-anémiques. *Ann. méd. psychol.*, Par., 1936, 94: pt 1, 497-519.—Polonsky, S. P. [On the pseudo-Argyll-Robertson syndrome] *Nevropat. psikiat.*, 1936, 5: 1141-8.—Pommé, B., & Coumel, H. Abolition de plusieurs réflexes tendineux pupillaires sans étiologie syphilitique. *Rev. neur.*, Par., 1933, 40: pt 2, 108-11.—Ramírez, P. Syndrome de Ad

Adlersberg, D., & Kauders, F. Magensaftsekretion und Pupillenweite. *Klin. Wschr.*, 1927, 6: 23.—Candido da Silva, J. Motricidad intrínseca; ocular y psíquica. *Actas Conf. lat. amer. neurol.*, 1929, 1. Conf., 375-8.—Ferree, C. E., & Rand, G. Relation of size of pupil to intensity of light and speed of vision, and other studies. *J. Exp. Psychol.*, 1932, 15: 37-55.—Gallenga, R. Sul comportamento del diametro pupillare in alta montagna in rapporto alla fatica. *Rass. ital. ottalm.*, 1932, 1: 263.—Granaat, D. The pupil-reflex during food digestion. *Acta brevia neerl.*, 1939, 9: 46-8. — An experimental research as to the pupil-reaction during the time of ingestion. *Arch. néerl. physiol.*, 1939, 24: 25-52.—Inman, W. S. Sympathetic disturbance in connection with thoughts of death by hanging. *Med. Press & Circ.*, Lond., 1939, 202: 121-5.—Krause-Wichmann. Magensaftsekretion und Pupillenweite. *Klin. Wschr.*, 1927, 6: 22.—Lieben, S., & Kahn, R. H. Die emotionelle Reaktion der Pupille. *Arch. ges. Physiol.*, 1930, 225: 699-704.—Minchev, P. Einseitige reflektorische Mydriasis beim Gebärrakt des Hundes. *Arch. Ophth.*, Berl., 1932-33, 129: 518-25. — Die einseitige reflektorische Mydriasis beim Gebärrakt und bei Uteruskrankungen der Katze. *Ibid.*, 1934-35, 133: 138-42.—Monnier, M. Ueber körperliche und seelische Einflüsse auf Pupillenbewegungen und Pupillenzustände (Beitrag zur Lehre der Wechselbeziehungen zwischen animalen und vegetativen Funktionen). *Nervenarzt*, 1934, 7: 349; 398.—Morin, P. Les variations du tonus pupillaire; étude en particulier du réflexe pupillaire photomoteur par projection lumineuse transpalpebrale. *Rev. oto-neur.*, Par., 1932, 10: 721-8.—Pieraccini, C. La miidriasi da sforzo con particolare studio analitico e sperimentale dei fenomeni pupillari nel respiro. *Rass. stud. psichiat.*, 1928, 17: 225-95.—Rapisarda, D. Sul comportamento del diametro pupillare dell'ampiezza di accommodation e della tensione endoculare in soggetti affaticati. *Boll. ocul.*, 1936, 15: 461-81.—Rolli, A. Untersuchungen über die Abhängigkeit des Pupillenreflexes von der Schilddrüse. *Ausz. Inaugur. Diss. Med. Fak. Univ. Bern*, 1933-35, No. 16, 1-3. Also *Zschr. Biol.*, 1932-33, 93: 356-62.—Roubinovitch, J. Des variations du diamètre pupillaire en rapport avec l'effort intellectuel. *C. rend. Congr. internat. psychol.* (1900) 1901, 4 Congr., 522.—Schlesinger, E. Die Ermüdbarkeit des Pupillenreflexes bei der Einwirkung monochromatischer Reize. *Klin. Wschr.*, 1926, 5: 799.—Serr, H. Zur Frage des Kausalzusammenhanges zwischen Pupillenweite und Augendruck. *Arch. Ophth.*, Berl., 1928, 121: 3-45.—Shinoda, H. Ueber die vorübergehende starke Erweiterung der Pupillen beim plötzlichen Erwachen eines Schlafenden. *Mitt. Med. Akad. Kioto*, 1934, 10: 207.—Tamaru, Y. Ueber die Pupillenweite des menschlichen Auges direkt nach dem Tode. *Okayama igakkai zasshi*, 1928, 40: 1875. — Studien über die postmortale Veränderung der Pupillenweite. *Ibid.*, 1929, 41: 2029.—Thiébaud, F., Lemoyne, J., & Guillaumet, L. Modifications pupillaires consécutives à l'alcoolisation du ganglion de Gasser par le trou ovale. *Rev. neur.*, Par., 1938, 69: 625-8.—Ury, B., & Gelhorn, E. Influence of oxygen deficiency on reflex dilation of the pupil. *Proc. Soc. Exp. Biol.*, N. Y., 1938, 38: 426. — On the influence of anoxia on pupillary reflexes in the rabbit. *J. Neurophysiol.*, 1939, 2: 136-41.—Viallefond & Lafon. Pupilloscopie entoptique; variations spontanées du diamètre pupillaire. *Arch. opht.*, Par., 1938, n. ser., 2: 991.—Zanzucchi, G. Sulle variazioni della pupilla che si osservano durante la rotazione. *Boll. Soc. ital. biol. sper.*, 1939, 14: 237. — Reazione della pupilla all'eccitazione galvanica trasversale del capo. *Ibid.*, 238.

Reflex [pupillary]

Amicarelli, A. Su di un riflesso pupillare. *Neopsichiatria*, Pisa, 1936, 2: 196-9.—Angelucci, A. Sul meccanismo del movimento pupillare. *Gior. ocul.*, 1926, 7: 4-6.—Balado, M. Fisiopatología de los movimientos pupilares. *Arch. argent. neur.*, 1935, 13: 125-46.—Bean, J. W., & Bohr, D. F. Sphincter and radial iris muscle reaction to high oxygen. *Am. J. Physiol.*, 1940, 129: 310.—Bramwell, E. Upon the pupil reactions, with special reference to contributions by alumni of the Edinburgh school. *Edinburgh M. J.*, 1938, 45: 161-74. Also in *Edinburgh Postgrad. Lect.* (1938-39) 1940, 1: 1-14.—Branca, J. [Pupillarreaction] *Orv. hetil.*, 1937, 81: mell., 145.—Erich, M. Le phénomène nuquo-mydratique de Flatau. *Trav. sc. Clin. inf. Univ. Varsovie*, 1930, 243-7.—Herk, A. W. H. van [Spontaneous movements of iris] *Ned. tschr. geneesk.*, 1927, 71: pt 1, 1005. — Le rétrécissement par éclairage de la pupille de l'iris isolé. *Arch. néerl. physiol.*, 1928-29, 13: 534-68, 7 pl.—Hesse, R. Studien über die hemiopische Pupillenreaktion und die Ausdehnung des pupillomotorischen Bezirkes der Netzhaut. *Klin. Mbl. Augenh.*, 1909, 47: 33-55.—Israelevich, Z. I. [Pupil phenomenon] *Vrach. gaz.*, 1930, 34: 1420.—Jirman, J. Les mouvements spontanés de l'iris isolé. *Tr. Internat. Ophth. Congr.* (1929) 1930, 13. Congr., 2: 510-3.—Kanngiesser, F. Vergleichsuntersuchungen zwischen der Licht- und Konvergenzmiosis, zwischen der Atropin- und Eserinwirkung auf Iris und Ciliarmuskel nebst Bemerkungen über die Form der Pupille. *Arch. Augenh.*, 1909, 63: 78-88, 1 pl.—Koppányi, T., & Sun, K. H. Comparative studies on pupillary reaction in tetrapods; the reactions of the avian iris. *Am. J. Physiol.*, 1926, 78: 364-7.—Leyko, E. [Physiology and pharmacology of the isolated iris: the mechanism of contraction and dilatation of the pupil on the basis of pharmacological experiments] *Med. dōsw.*, 1927, 7: 311-55.—Mendelson, N. S. [On the pupillary

reflex] *Nevropat. psichiat.*, 1939, 8: No. 1, 131-3.—Mohr, M. A pupillareactióról. *Gyógyászat*, 1912, 52: 734; 753; 773.—Pastine, C. A proposito dell'ultima nota del prof. A. Marina. *Riv. pat. nerv.*, 1915, 20: 354.—Peiper, A. Ueber das Pupillenspiel des Säuglings. *Jahrb. Kinderh.*, 1926, 3. F., 62: 179-83.—Petrović, A., & Chemolessov, A. Zur Frage über willkürliche Pupillenerweiterung. *Klin. Mbl. Augenh.*, 1931, 87: 230-4.—Rochon-Duvigneaud. La forme et les mouvements de la pupille dans la série des vertébrés. *Bull. Soc. opht. Paris*, 1927, 288-93.—Schlesinger, E. Ueber den Schwellenwert der Pupillenreaktion und die Ausdehnung des pupillomotorischen Bezirkes der Netzhaut; Untersuchungen auf Grund einer neuen Methodik. *Deut. Zschr. Nervenhe.*, 1912, 45: 351. Also *Deut. med. Wschr.*, 1913, 39: 163-6. — Zur Physiologie und Pathologie des Pupillenreflexes auf Grund neuer Arbeitsmethoden. *Nervenarzt*, 1928, 1: 337-43.—Stefani, U., & Nordera, E. Del riflesso oculopupillare. *Riv. sper. freniat.*, 1899, 25: 681-90.—Tommasi, C., & Colibacchini, E. A proposito di un nuovo fenomeno pupillare. *Riv. pat. nerv.*, 1910, 15: 183-90.—Toulard. Dilatation pupillaire ou mydriase. *Progr. méd.*, Par., 1909, 3. ser., 25: 537.—Walls, G. L. Pupil mobility. In his *Verteb. Eye*, Bloomfield, 1942, 153-63.—Weel, P. van, & Thore, S. [Pupillary reaction of Octopus vulgaris] *Ned. tschr. geneesk.*, 1936, 80: 601. Also *Zschr. vergl. Physiol.*, 1936, 23: 26-33.—Westphal, A. Ueber ein bei Katzen beobachtetes Pupillenphänomen. *Neur. Zbl.*, 1920, 39: 146.—Young, J. Z. The pupillary mechanism of the teleostean fish *Uranoscopus scaber*. *Proc. R. Soc., Lond.*, 1930-31, ser. B, 107: 464-85.

Reflex: Accommodation and convergence reflex.

Kause, L. *Ueber paradoxe Naheinstellungsreaktion [Freiburg i. B.] 15p. 8°. Stuttg., 1927. — Sprenger, K. H. *Die Adduktionsmiosis [Leipzig] 13p. 23 $\frac{1}{2}$ cm. Zeulenroda, 1937. — Burian, H., & Schubert, G. Das Wesen der Naheinstellungs-Reaktion der Pupillen. *Arch. Ophth.*, Berl., 1936, 136: 377-86.—Friedenthal, G. Paradoxe Naheinstellungsreaktion. *Klin. Mbl. Augenh.*, 1928, 80: 191-200.—Goldflam, S. W sprawie oddziaływania źrenice przy ruchu zbliżeni. *Med. kron. lek.*, Warsz., 1911, 46: 840-2.—Gualdi, V. La reazione della pupilla alla convergenza (revisione critica degli studi sull'argomento e stato attuale della conoscenza scientifica del fenomeno: reazione pupillare alla accommodation-convergenza) *Lettura oft.*, 1930, 7: 205-26. — Ricerche sperimentali e osservazioni cliniche sul comportamento e sul meccanismo della reazione pupillare alla convergenza. *Boll. ocul.*, 1931, 10: 806-55. — Sul comportamento della reazione pupillare alla convergenza nel monoculo. *Boll. ocul.*, 1933, 12: 430-46.—Haessler, F. H. Near reaction of the pupil in the dark: a quantitative study. *Tr. Am. M. Ass., Sect. Ophth.*, 1937, 182-8. Also *Arch. Ophth.*, Chic., 1937, 18: 796-801.—Kestenbaum, A., & Fiedelberg, L. Konvergenzreaktion der Pupille und Naheinstellung. *Arch. Ophth.*, Berl., 1928, 121: 166-212.—Lohmann, W. Ueber die Frage: Konvergenz- oder Akkommodations-Verengung der Pupille bei der Naheinstellung. *Ber. Ophth. Ges.* (1908) 1909, 35: 264-77.—Marina, A. Sul meccanismo della reazione pupillare alla convergenza e risposta ad alcune osservazioni del dott. Pastine. *Riv. pat. nerv.*, 1915, 20: 117-21.—Molnár, J. [Absence of pupillary convergence reflex] *Orv. hetil.*, 1933, 77: 858. Also *Meschr. Psychiat.*, 1933-34, 87: 376-9.—Páez Allende, F. Eficaz método para investigar la reacción pupilar a la acomodación convergencia. *Sem. méd.*, B. Air., 1939, 46: pt 1, 1029.—Rönne, H. Ueber tonische Akkommodationsreaktion lichtstarrer Pupillen. *Klin. Mbl. Augenh.*, 1909, 47: 41-6.—Ronchi, V. Ragioni ottiche della reazione pupillare alla convergenza. *Boll. ocul.*, 1931, 10: 481-5.—Schwarz, O. Zusatz zu vorstehender Arbeit über akkommodative Pupillenstarre ohne Lichtstarre. *Klin. Mbl. Augenh.*, 1923, 70: 148.

Reflex: Conditioning.

Kotliarevsky, L. I. [Formation of pupillary conditioned reflexes and differentiation in response to direct and verbal irritants] *Ark. biol. nauk*, 1935, 39: 477-89.—Steckle, L. C. Two additional attempts to condition the pupillary reflex. *J. Gen. Psychol.*, 1936, 15: 369-77. — & Renshaw, S. An investigation of the conditioned iridic reflex. *Ibid.*, 1934, 11: 3-23.—Wedell, C. H., Taylor, F. V., & Skolnick, A. An attempt to condition the pupillary response. *J. Exp. Psychol.*, 1940, 27: 517-31.

Reflex: Disorder.

Feinstein, W. *Die Erweiterungsreflexe der Pupillen und ihr Fehlen bei der Dementia praecox [Königsberg] p.329-59. 8°. Berl., 1928.

Also *Arch. Psychiat.*, Berl., 1928, 85:

Heygster [K. H.] H. *Pupillenstörungen und Lebensdauer. p.166-87. 8°. [Kiel, 1931]

Also *Zschr. Augenh.*, 1928, 65:

LÖWENSTEIN, O. & WESTPHAL, A. Experimentelle und klinische Studien zur Physiologie und Pathologie der Pupillenbewegungen mit besonderer Berücksichtigung der Schizophrenie. 181p. 8°. Berl., 1933.

Adler, F. H. Pupilloscopic findings in lesions in different parts of the reflex arc. Arch. Ophth., N. Y., 1926, 55: 262-72.—Adroque, E. La motilidad del iris; sus alteraciones. Arch. oft. B. Aires, 1939, 14: 242-75.—Asher, W. Ein Fall von gehäufte künstlicher Mydriasis in einer Familie. Deut. med. Wschr., 1909, 35: 1706.—Badjul, P. A. Ein Fall springender Pupillen. Zschr. ges. Neur. Psychiat., 1929, 122: 48-54.—Bakker, A. Beiträge zur Kenntnis einiger merkwürdiger Pupillenbewegungen. Arch. Ophth., Berl., 1938, 139: 273-9.—Belloni, G. B. Osservazioni sulla fisiologia e fisiopatologia di alcuni movimenti pupillari importanti per la semeiotica nervosa. Riv. neur., Nap., 1930, 3: 1-20.—Berneaud, G. Traumatische maximale Pupillenerge. Zschr. Augenh., 1928, 65: 329-36.—Brochado, A. Un nouveau symptôme des traumatismes crâniens; la mydriase consécutive. Ann. méd. psychol., Par., 1938, 96: pt 2, 417-21.—Butler, T. H. Two cases of unilateral functional mydriasis. Ophthalmoscope, Lond., 1907, 5: 251.—Byrne, J. G. The mechanism of paradoxical pupil dilatation and constriction. Am. J. Physiol., 1926, 77: 509-17. — Paradoxical pupillary phenomena following lesions of the afferent paths. In his Stud. Physiol. Eye, Lond., 1942, 1-94. — Pseudo-paradoxical pupil dilatation following lesions of the afferent paths. Ibid., 20-30.—Cannon, W. B. The explanation of 2 mysteries and its possible significance. Proc. Mayo Clin., 1938, 13: 42-8.—Cazalis, J. Les pupilles anormales. Vie méd., 1927, 8: 685-8.—Copeze, H. Un cas de mydriase se transformant en myosis dans la flexion de la tête. J. méd. Bruxelles, 1906, 11: 769-71. — Un cas de mydriase se transformant en myosis dans la flexion de la tête en avant. Ibid., 1908, 13: 271.—Davis, L. C. A discussion of the etiology and significance of mydriasis. N. Orleans M. & S. J., 1935-36, 88: 357-9.—Di Giuseppe, T. La miidriasi unilaterale costante e suo valore sintomatico. Gaz. san., Catania, 1908, 8: 75.—Dimmer, F. Ein Fall von tonischer Reaktion der Pupille und des Ziliarmuskels. Klin. Mbl. Augenh., 1911, 49: 332-7.—Edelston, B. G. Anomalous pupil reactions. Brit. J. Ophth., 1942, 26: 507-9.—Evans, G. The clinical significance of unequal reacting pupils. Clin. J., Lond., 1931, 60: 33-5.—Garcin, R., & Kipfer, M. A propos du phénomène de l'excentration pupillaire variable. Rev. neur., Par., 1936, 65: pt 1, 128-31.—Ginestous, E. Mydriase traumatique (accident du travail). Gaz. sc. méd. Bordeaux, 1909, 30: 197.—Grüter, W., & Meyer, A. Zur Kasuistik wechselnder Pupillenphänomene. Zschr. Augenh., 1927, 63: 223-35.—Hummelsheim, Studies on the pupil: the question of concentric contraction of the pupil. Arch. Ophth., N. Y., 1910, 39: 579-82.—Isikawa, F. Experimentelle Untersuchungen über die Entstehung der traumatischen Mydriasis. Arch. Ophth., Berl., 1928, 120: 317-34.—Junius. Zusammenfassendes über praktisch wichtige Pupillenstörungen (Pupillotonie; Pupillenstarre nach Traumen; katonische u. a. Pupillenstarren; Pseudotabes nach tangentialer Kopfverletzung). Fortsch. Med., 1921, 39: 910-5.—Kehrer, F. Die Kuppelungen von Pupillenstörungen mit Aufhebung der Schnerreflexe. Derm. Wschr., 1939, 109: 1070.—Lafon, C. Considérations sur la pathogénie et la sémiologie des troubles pupillaires. Arch. opht., Par., 1909, 29: 490-522. — Les troubles asthéniques de la pupille. Gaz. sc. méd. Bordeaux, 1909, 30: 317.—Lánczos, A. Ueber die paradoxe Pupillenerweiterung. Arch. ges. Physiol., 1936-37, 238: 546-54.—Leathart, P. W. Anomalous pupil reactions. Brit. J. Ophth., 1943, 27: 40-2.—Lee, F. H. Disorders of motility of the iris; report of case. J. Am. M. Ass., 1933, 100: 1395-8.—Löwenstein, O., & Westphal, A. Kine-matographische Untersuchungen über Störungen der Pupillenbewegung mit besonderem Hinblick auf den sogenannten Spasmus mobilis; vorläufige Mitteilung. Arch. Psychiat., Berl., 1927, 82: 315-30.—Magitot, A. Un signe pupillaire neurologique: le myosis spasmodique. Sem. hôp. Paris, 1931, 7: 145-9.—Marx, E. Abnormale pupillares. Ned. tscr. geneesk., 1908, 2: 2004-13.—Menninger von Lerchenthal, E. Ein Fall von perverser Pupillenreaktion. Zschr. ges. Neur. Psychiat., 1925-26, 100: 460-6.—Oláh, E. Der Mechanismus der Injektionsmydriasis und die Erklärung des Phänomens der Katzenpupille. Klin. Mbl. Augenh., 1928, 80: 50-6.—Parinaud, H. De l'exagération des réflexes pupillaires. C. rend. Soc. biol., 1882, 7: ser. 4: 370.—Reid, W. L., & Cone, W. V. The mechanism of fixed dilatation of the pupil; resulting from ipsilateral cerebral compression. J. Am. M. Ass., 1939, 112: 2030-4.—Romberg, E. H. Untersuchungen zur Pathogenese der luischen und tonischen Pupillenstörungen. Arch. Psychiat., Berl., 1938-39, 109: 785-804.—Sédan, J. Myosis tenace séquelle d'une mydriase zostérienne. Rev. otoneur., Par., 1934, 12: 283.—Shute, D. K. On the value of a knowledge of abnormal motility of the iris as an aid in diagnosing diseases of the nervous system. Washington M. Annals, 1904, 3: 162-86.—Tennent, J. N. Case of unilateral mydriasis. Glasgow M. J., 1926, 106: 306-9. — Unilateral mydriasis due to foreign body. Clin. J., Lond., 1927, 56: 140.—Vitek, V. Patho-nomionieký význam odchýlné reakce a nestejnosti zornice. Rev. neur. psychiat., Praha, 1910, 7: 383; 468.—Vogt, A. Ueber verschiedene Pupillenstörungen. Korbl. Schweiz. Aerzte, 1911, 41: 631-4.—Weill, G., & Nordmann, J. Un cas de

réaction pupillaire dite perverse. Rev. otoneur., Par., 1932, 10: 733.

Reflex: Ear reflex.

BAKER, L. E. The pupillary response conditioned to subliminal auditory stimuli. 32p. 8°. Columbus, 1938.

Byrne, J. G. Relations of the vestibular labyrinth to the effector mechanisms which mediate pupillary constriction. In his Stud. Physiol. Eye, Lond., 1942, 148-53.—Hilgard, E. R., Miller, J., & Ohlson, J. A. Three attempts to secure pupillary conditioning to auditory stimuli near the absolute threshold. J. Exp. Psychol., 1941, 29: 89-103.—Nisimura, H. Variation du diamètre pupillaire par l'excitation directe d'un nerf acoustique. C. rend. Soc. biol., 1927, 96: 158-60.—Sommer, I. Ueber einen Ohr-Pupillenreflex. Zschr. Laryng., 1931, 21: 111-5.—Ten Cate, J. [Contraction of the pupils in acoustic excitation] Ned. tscr. geneesk., 1933, 77: 5355-8. — Les réflexes pupillaires sur des irritations acoustiques et leur dépendance de l'écorce cérébrale. Acta brevia neerl., 1934, 4: 97. Also Arch. neerl. physiol., 1934, 19: 408-16. — Die Pupillerverengerung, als bedingter Reflex auf akustische Reize und ihre Beziehung zur der Grosshirnrinde. Ibid., 417-25. Also in Probl. biol. med. (Leontovich, A. V.) Moskva, 1935, 78-82.—Zanzucchi, G. Comportamento della pupilla agli stimoli sonori. Boll. Soc. ital. biol. sper., 1938, 13: 467.

Reflex: Light reflex.

BÖHM, F. E. *Die Pupillarreaktion beim Pferde auf Lichtreize [Leipzig] 26p. 8°. [Königsbrück, 1922]

FRANCHOMME, J. *Sur un procédé de mesure numérique du réflexe irien à la lumière. 39p. 24cm. Lille, 1937.

Bartels, M. Zu den: Bemerkungen zur Prüfung der Lichtreaktion von den Herren Oppenheim und Schuster. Neur. Zbl., 1911, 30: 589.—Borsotti, I. Indagini pupillo-grafiche su alcuni particolari aspetti fisiologici del riflesso fotomotore mediante cinematografia a luce ordinaria. Boll. Soc. med. chir., Pavia, 1939, 53: 943-63.—Bruges, A. P. [Threshold of the time of stimulation of the pupillary reflex; threshold in local action of irradiation] Biol. eksp. biol. med., 1942, 14: No. 4, 89-92.—Byrne, J. G. Preliminary dilatation a phase of the pupillary light reflex. In his Stud. Physiol. Eye, Lond., 1942, 91-4. — The pupillary reactions to light. Ibid., 359-408. — Preliminary pupil widening in response to light; pathways of the pupil, lens, and palpebral reflexes. Ibid., 437-64, pl.—Crawford, B. H. The dependence of pupil size upon external light stimulus under static and variable conditions. Proc. R. Soc., Lond., 1936, 121: ser. B, 376-95.—Elsberg, C. A., & Spotnitz, H. The relation between area and intensity of light and the size of the pupil, with formulas for pupillary reactions. Bull. Neur. Inst., N. York, 1938, 7: 160-4.—Erben, S. Ueber die Möglichkeit, den Lichtreflex der Pupille zu steigern. Wien. klin. Wschr., 1926, 39: 570.—Faillie, R., Jonnard, R., & Vial de Sacy, H. Variation de la constriction pupillaire avec l'éclairement. C. rend. Acad. sc., 1934, 199: 89-91.—Herk, A. W. H. van [Contraction of pupil of the isolated iris under the influence of light] Ned. tscr. geneesk., 1927, 71: pt 1, 1704-7.—Hudgins, C. V. Conditioning and the voluntary control of the pupillary light reflex. J. Gen. Psychol., 1933, 8: 3-51.—Keeler, C. E. Le réflexe irien à la lumière chez la souris à rétine sans batonnets. C. rend. Soc. biol., Par., 1927, 96: 10.—Lehrfeld, L. Quantitative pupillary light reflex. Am. J. Ophth., 1928, 3: ser., 11: 897. Also Arch. Neur. Psychiat., Chic., 1931, 25: 159-62.—Levinsohn, G. Zum Aufsatze Bachs: Der Sphinkterkern und die Uebertragungsbahn des Lichtreflexes der Pupille im Vierhügel. Zschr. Augenh., 1909, 22: 352-4.—Löwenstein, O. Beiträge zur Kenntnis der psychophysischen Konstitution; über die Variationsbreite des Lichtreflexes und der Psychoreflexe der Pupillen. Arch. Psychiat., Berl., 1927, 82: 285-314.—Machemer, H. Beiträge zur Physiologie und Pathologie der Pupille; über den Ablauf des normalen Lichtreflexes. Klin. Mbl. Augenh., 1935, 94: 305-19.—Magoun, H. W. Maintenance of the light reflex after destruction of the superior colliculus in the cat. Am. J. Physiol., 1935, 111: 91-8. — Atlas, D. [et al.] The afferent path of the pupillary light reflex in the monkey. Brain, Lond., 1936, 59: 234-49.—Magoun, H. W., & Ranson, S. W. The central path of the light reflex; a study of the effect of lesions. Arch. Ophth., Chic., 1935, 13: 791-811. — The afferent path of the light reflex; a review of the literature. Ibid., 862-74.—Márquez, M. Mi esquema sobre las vías del reflejo pupilar á la luz. Rev. otoneur., B. Air., 1928, 3: 525-39, pl.—Negro, C. La contrazione riflessa dello sfintere della pupilla normale per azione della luce è preceduta da un rapido e piccolo movimento di dilatazione pupillare. Gior. Accad. med. Torino, 1911, 4: ser., 17: 249-53.—Page, H. E. The relation between area of stimulation and intensity of light at various levels of visual excitation as measured by pupil constriction. J. Exp. Psychol., 1941, 29: 177-200.—Ranson, S. W., & Magoun, H. W. The central path of the pupilloconstrictor reflex in response to light. Arch. Neur. Psychiat., Chic., 1933, 30: 1193-204.—Sarbó, A. Egy új és egyszerű fényreflexiós vizsgálati módrol.

Orv. hetil., 1914, 58: 127.—Schroeder, H. Die zahlenmässige Beziehung zwischen den physikalischen und physiologischen Helligkeitseinheiten und die Pupillenweite bei verschiedener Helligkeit. Zschr. Psychol. Physiol. Sinnesorg., 2. Abt., 1925-26, 57: 195-223.—Seletsky, V. V. [Pupillary reactions to light] Nevropat. psichiat., 1930, 5: 1673-8.—Silvestrini, F. La rappresentazione analitica della adattabilità della pupilla umana alle diverse intensità luminose. Ann. ottalm., 1930, 58: 255-64.—Spiegel, E. A., & Scala, N. P. Role of the cervical sympathetic nerve in the light reflex of the pupil. Arch. Ophth., Chic., 1940, 23: 371-6.—Wagman, I. H., & Nathanson, L. M. Influence of intensity of white light upon pupil diameter of the human and of the rabbit. Proc. Soc. Exp. Biol., N. Y., 1942, 49: 466-70.—Zeldenrust, E. L. K. Ueber die Chronaxie des Lichtreflexes der Pupille; vorläufige Mitteilung. Arch. Augenh., 1931, 104: 585-93.

— Reflex: Light reflex, consensual.

Bartels, M. Gibt es besondere Pupillenfasern für die indirekte Reaktion? Zschr. Augenh., 1931, 75: 22-7.—Grimsdale, H. B. Unusual consensual light reflex. Tr. Ophth. Soc. U. K., 1903-4, 24: 323.—Ramírez Moreno, S. Importancia del reflejo consensual a la luz en la práctica neurológica. Rev. mex. psiquiat., 1942, 9: No. 49, 9-18.

— Reflex: Light reflex: Disorder.

See also Argyll-Robertson pupil.

BUCHHEIM, K. L. *Ein Fall einseitiger reflektorischer Pupillenstarre. 10p. 21cm. Würzb., 1936.

WUNDERLICH, H. *Das Verhalten des Rückenmarkes bei reflektorischer Pupillenstarre. 28p. 8°. Würzb., 1907.

Behr, C. Hemianopische Pupillenstarre ohne homonyme Hemianopsie. Zschr. Augenh., 1925-26, 58: 398-406.—Bürki, E. Zur differentialdiagnostischen Bedeutung der reflektorischen Pupillenstarre. Schweiz. med. Wschr., 1937, 67: 774-7.—D'Arrigo, M. Sulla reazione pupillare paradossale alla luce. Riv. sper. freniat., 1937, 61: 1082.—Desbouis, G. Réaction lumineuse paradoxale de la pupille. Bull. Acad. méd., Par., 1936, 3. ser., 115: 775-9.—& Wiart, L. Réaction lumineuse paradoxale de la pupille. Ibid., 1938, 3. ser., 120: 365-70.—Filippi-Gabardi, E. Le alterazioni dell'iride nella sindrome di Argyll-Robertson. Riv. otoneur., 1933, 10: 737-52.—Hahn, R. Die militärärztliche Bewertung der isolierten Pupillenstarre. Münch. med. Wschr., 1917, 64: 961.—Harris, W. The fibers of the pupillary reflex and the Argyll Robertson pupil. Arch. Neur. Psychiat., Chic., 1935, 34: 1195-203.—Kaneko, T. Ein Fall von einseitiger isolierter absoluter Pupillenstarre von vollkommenem Typus. Acta Soc. ophth. jap., 1940, 44: 25.—Karplus & Kreidl. Ueber experimentelle reflektorische Pupillenstarre. Wien. klin. Wschr., 1913, 26: 83.—Lafon, C. La réaction paradoxale de la pupille. Gaz. se. méd. Bordeaux, 1909, 30: 376.—Le signe d'Argyll Robertson ne peut pas être la conséquence d'une méningite basilaire. Presse méd., 1910, 18: 697.—Laignel-Lavastine. Un cas d'inversion du signe d'Argyll-Robertson. Bull. Soc. ophth. Paris, 1926, 198-200.—Laperonne, F. de, Cantonnet, A. Signe d'Argyll Robertson unilatéral avec coexistence, du même côté, d'un syndrome oculo-sympathique incomplet. Rev. neur., Par., 1909, 17: 1515-7.—Lenz, G. Untersuchungen über die anatomische Grundlage von Pupillenstörungen, insbesondere der reflektorischen Pupillenstarre. Ber. Deut. ophth. Ges., 1929, 47: 234-10.—Löwenstein, O. Ueber die sogenannte paradoxe Lichtreaktion der Pupille; klinische und experimentell-kinematographische Untersuchungen über ihre Symptomatologie und ihr Wesen. Mschr. Psychiat. Neur., 1927, 66: 148-67.—Maas, O. Zur Bewertung der reflektorischen Pupillenstarre. Berl. klin. Wschr., 1913, 50: 1634.—Magoun, H. W., & Ranson, S. W. Loss of pupillary light reflex resulting from lesions in the region of the posterior commissure. Proc. Soc. Exp. Biol., N. Y., 1933, 31: 183.—& Mayer, L. L. The pupillary light reflex after lesions of the posterior commissure in the cat. Am. J. Ophth., 1935, 18: 624-30.—Negro, C. La photoréaction prémyotique pupillaire dans les états de sympathicotonie. Rev. neur., Par., 1926, 33: pt 1, 1046.—Nonne, M., & Wohlwill, F. Ueber einen klinisch und anatomisch untersuchten Fall von isolierter reflektorischer Pupillenstarre bei Fehlen von Paralyse, Tabes und Syphilis cerebrospinalis. Neur. Zbl., 1914, 33: 611.—Odqvist, B. [Rigidity of pupils without apparent syphilitic origin] Sven. läk. tidn., 1937, 34: 69-79.—Pesce, G. Contributo allo studio della reazione pupillare paradossale alla luce. Riv. otoneur., 1938, 15: 223-37.—Poos, F., & Grosse-Schönepauck, H. Studien an der lichtstarrten Pupille; die lichtstarre Pupille als pharmakologisches Testobjekt. Arch. Ophth., Berl., 1936, 135: 144-58.—Puglisi-Duranti, G. Midriasi e rigidità pupillare assoluta in due fratelli ereditari. Arch. ottalm., 1935, 42: 1-17.—Rau, Ein Fall von angeborener reflektorischer Pupillenstarre. Zbl. prakt. Augenh., 1910, 34: 38.—Roemheld, L. Zur Kritik der reflektorischen Pupillenstarre. Deut. med. Wschr., 1934, 60: 1541-3.—Roasenda, G. Sopra un nuovo modo di provocazione (di P. Morin) e sopra una manifestazione patologica particolare del riflesso pupillare alla luce. Rass. ital. ottalm., 1934, 3: 490-8.—Rochester, A. S. Argyll-Robertson pupil. In Am.

Encycl. Dict. Ophth. (Wood) Chic., 1913, 1: 567-9.—Rugg-Gunn, A. Traumatic monocular Argyll-Robertson pupil. Proc. R. Soc. M., Lond., 1934, 27: Sect. Ophth., 352.—Santangelo, G., & De Ferraris, E. Sulla forzazione iridea paradossale. Gior. psichiat., 1934, 62: 269-71.—Scotti, P. La reazione luminosa paradossale. Ann. ottalm., 1928, 56: 75-82.—Spiegel, E. Further experiments on the localization of the Argyll Robertson phenomenon (injuries to the posterior commissure). In Marinesco Festschr., Bucur., 1933, 625-33.—& Nagasaka, G. Experimentalstudien am Nervensystem; über die Beziehung des Pupillenreflexbogens zum vordern Vierhügel (zugleich ein Beitrag zur Frage der Genese der reflektorischen Lichtstarre der Pupille). Arch. ges. Physiol., 1926, 215: 120-32.—Strohmayer. Ueber reflektorische Pupillenstarre und Westphalsches Zeichen als Anlageanomalie. Deut. med. Wschr., 1919, 45: 648.—Stursberg, H. Uebererregbarkeit des Lichtreflexes der Pupillen bei schwerer Erkrankung des Zentralnervensystems. Ibid., 1933, 59: 1580.—Thomas, H. M. The anatomical basis of the Argyll-Robertson pupil. Am. J. M. Sc., 1903, 126: 939-56.—Weisz, M. Adatok a reflektorikus-pupillamerevség morfológiajához. Gyógyászat, 1926, 66: 226-30.

— Reflex: Ocular and palpebral reflexes.

Alajouanine, T., Thurel, R., & Coste, M. Réaction pupillaire synergique de l'occlusion active des paupières, interprétée à tort comme réaction paradoxale à la lumière. Rev. otoneur., Par., 1935, 13: 682-5.—Aliquot-Mazzet, A. Sull'anisocoria fisiologica associata ai movimenti di lateralità dello sguardo. Rass. ital. ottalm., 1934, 3: 524-62.—Boshes, B., & Mayer, L. L. The lid-closure reflex of the pupil. Am. J. Ophth., 1935, 18: 1048-51.—Hirose, T. Experimentelle Untersuchungen über die sogenannte konsensuelle Augendruckreaktion bei Kaninchen. Acta Soc. ophth. jap., 1939, 43: 15.—Miceli, I. Sulla reazione pupillare nello sguardo di lateralità. Gior. ocul., 1930, 11: 102; 120.—Schubert, G., & Burian, H. Die Fusionsreaktion, eine bisher unbekannte Reaktion der Pupille. Arch. ges. Physiol., 1936, 238: 184-6.—Tournay, A. Sur l'anisocorie normale dans le regard latéral extrême. Arch. ophth., Par., 1927, 44: 574-6.—Triossi, S. Contributo alla conoscenza della reazione pupillo-palpebrale (fenomeno di Galassi-Westphal). Riv. otoneur., 1928, 5: 311-44.

— Reflex: Semeiology.

See also under names of various diseases.

CORAZZI, E. S. *Semiologia de la pupila. 56p. 26½cm. B. Air., 1935.

ZYBELL, J. L. K. F. *Das Verhalten der Pupillen bei der Syphilis, der multiplen Sklerose und der Syringomyelie. 67p. 8°. Marb., 1908.

Alonso, A. F. Importancia de la semiología de la pupila en la medicina general. Gac. méd. México, 1939, 69: 83-101. Also Acción méd., B. Air., 1940, 10: 725-32. Also An. Soc. mex. oft., 1940, 15: 303-20.—André-van Leeuwen, M. De la valeur des troubles pupillaires, en dehors de la syphilis, comme signe précoce ou forme fruste d'une affection hérédodégénérative. Mschr. Psychiat., 1942, 105: 193; 275.—Anomalie (non luetique) delle pupille nelle malattie interne. Gazz. osp., 1935, 56: 621.—Banner, C. W. Pupillary reaction in health and disease. Virginia M. Semimonth., 1911-12, 16: 70-2.—Barnett, A. Pupils; and what they may imply. Am. J. Optometr., 1939, 16: 136-40.—Barré, J. A., Kabaker & Dhautville. Troubles pupillaires et affection de la moelle cervicale. Rev. neur., Par., 1938, 69: 684-8.—Bennhold, H., & Hauptstein, P. Kann die Pupille als Indikator des Gleichgewichtszustandes im vegetativen Nervensystem angesehen werden? Arch. exp. Path., Lpz., 1928, 130: 89-110.—Berberich, J. Pupillary reactions in affections of the ear. Laryngoscope, 1940, 50: 555-8.—Byrne, J. The pupils in somatic and visceral disorders in association with referred pain and hyperalgesia. J. Nerv. Ment. Dis., 1926, 63: 105-34.—The pupil as an index of activity in cardiac lesions. Med. J. & Rec., 1926, 123: 820.—Campos, S. de. Semiologia da pupila. Impr. med., Rio, 1941, 17: No. 334, 77-90.—Challiol, V. Osservazioni neurologiche sulla pupilla. Baglivi, 1938, 4: 369-78.—Comwell, H. C. de. La pupille dans les affections extra-oculaires. Policlinique, Brux., 1909, 18: 281-8.—Coutela. La pupille; étude sémiologique. Rev. méd. fr., 1932, 13: 915-44.—Cuatrecasas, J. Los signos pupilares de la encefalitis epidémica. Rev. méd. Barcelona, 1931, 15: 119-31.—Dorrell, E. A. The pupil in disease of the eye. Clin. J., Lond., 1925, 54: 56-60.—Dupuy-Dutemps, L. Les signes pupillo-iriens pathognomoniques des lésions du neurone ciliaire périphérique. Tr. Internat. Ophth. Congr. (1929) 1930, 13. Congr., 2: 640-5.—Engel, S. Pupille. Fortsch. Neur. Psychiat., 1930, 2: 341-62.—Finesilver, B. The pupil as a diagnostic aid. J. Am. Inst. Homeop., 1931, 24: 725-9.—Fuchs, A. Ueber die klinische Beurteilung und Verwertung der Pupillenphänomene. Wien. med. Wschr., 1928, 78: 179-82.—Gaudelut, Monbrun & Monier-Vinard. Troubles variables du tonus pupillaire d'origine encéphalitique. Rev. otoneur., Par., 1938, 16: 63-6.—Gifford, S. R., & Mayer, L. L. Retained pupillary reactions with no perception of light; report of a case. Arch. Ophth., Chic., 1931, n. ser., 6: 70-4.—Gimblett, C. L. The pupil reactions. Practitioner, Lond., 1928, 120: 354-63.—Gradle, H. S. Pupils. In Cyclop. Med.

(Piersol-Bortz) Phila., 1940, 12: 991-7. — **Icaza y Dublan, M. J.** Semiología de los reflejos pupilares. An. Soc. mex. oft., 1937-38, 12: 49-60. — Diagnóstico diferencial de los enturbiamientos visibles en la pupila y su importancia desde el punto de vista del tratamiento. Bol. Hosp. oft., Méx., 1940, 1: 27; 69. — **International meeting of the Paris Neurological Society:** the pupil in nervous disease. Brit. J. Ophth., 1942, 26: 326 (Abstr.). — **Jaensch, P. A.** Pupille. In Handb. Neur. (Bumke & Foerster) Berl., 1935, 4: 267-339. — Pupille, 1933-37. Fortsch. Neur. Psychiat., 1938, 10: 366-84. — **Kehrer, F.** Die allgemeine ärztliche Bedeutung der Pupillenstörungen. In Zeitr. Augenh. (W. Löhlein) Stuttg., 1938, 73-98. — **Kyrieles, W.** Die Bedeutung von Pupillenstörungen bei Untersuchungen für die Lebensversicherung. Med. Klin., Berl., 1938, 34: 1649-51. — **Lafon, C.** L'état des pupilles dans le coma et dans toutes les autres formes d'abolition du fonctions cérébrales. Gaz. sc. méd. Bordeaux, 1904, 30: 337. — **Levine, A., & Schilder, P.** The catatonic pupil. J. Nerv. Ment. Dis., 1912, 96: 1-12. — **Lhermitte & Saint-Martin, de.** Syndrome oculo-pupillaire traumatique. Ann. méd. psychol., Par., 1940, 98: pt 1, 361. — **Lyster, J. G.** The significance of the dilated pupil in acute brain injuries. Virginia M. Month., 1928-29, 55: 26-8. — **Menninger, W. C.** The frequency of pupil anomalies in general medical and surgical cases. J. Kansas M. Soc., 1926, 26: 282-6. — The pupils as an aid to the diagnosis in states of coma. J. Nerv. Ment. Dis., 1927, 65: 553-68. — The pupillary findings in general medical and surgical cases. Med. J. & Rec., 1928, 127: 427-30. — **Monnier, M.** De la pupille considérée comme révélateur des corrélations fonctionnelles entre le système animal et le système végétatif. Rev. neur., Par., 1935, 42: pt 1, 671-83. — **Nardi Batassi, D.** Sul comportamento della pupilla nelle lesioni traumatiche. Med. nuova, 1926, 17: 63. — **Percival, A.** Alterations in the pupil in various conditions. Northumberland & Durham M. J., 1899, 7: 224-9. — **Périssin, J.** Troubles pupillaires en neurologie. In Année méd. prat., Par., 1939, 18: 402-7. — **Fingst, A. O.** The pupils during health and disease. Kentucky M. J., 1908-9, 7: 1044-8. — **Placzek.** Zur pathognostischen Bedeutung der Pupillenveränderung und des fehlenden Knieflexes. Ther. tägl. Prax., 1910, 1: 333-5. — **Pletnev, D. D.** [Pupillary reflex in the interne's practice] Sovet. klin., 1932, 18: 59-62. — **Popper, L.** Ueber die Pupillen in schweren cerebralen Insulten. Wien. med. Wschr., 1933, 83: 120. — **Prosper-Viel.** Séméiologie du miosis. Rev. gén. clin. théor., 1935, 49: 599. — **Renaud, M., & Miget.** Modifications oculo-pupillaires indépendantes de la syphilis. Bull. Soc. méd. hôp. Paris, 1932, 3. ser., 48: 869-71. — **Saxona, G. L.** The diagnostic importance of the pupil. Pract. Med., Delhi, 1926, 24: 201-5. — **Schwab, R.** Nichtluische Pupillenanomalien bei internen Erkrankungen. Deut. med. Wschr., 1934, 60: 1966-9. — **Smith, A. E.** The diagnostic significance of pupillary changes. Minnesota M., 1933, 16: 623-8. — **Tirelli, G.** Sulla deformabilità pupillare come segno di morte certa. Proflassi, 1932, 5: 62-4. — **Tournay, A.** Recherche d'explications physiopathologiques. Rev. neur., Par., 1938, 69: 673-84. — **Vail, D. T.** The pupil in health and disease. In Am. Encycl. Diet. Ophth. (Wood) Chic., 1919, 14: 10552-797. — **Veil, P.** Séméiologie de la mydriase. Rev. gén. clin. théor., 1935, 49: 167. — **Velter, E.** Les pupilles dans les affections neurologiques médicales. Rev. neur., Par., 1938, 69: 629-45. — **Weinstein, P.** [Pupillary reflexes and their evaluation] Budapesti orv. ujs., 1938, 36: 573-7. — **Wigand, H.** Veränderungen der Pupillenform bei Hirntraumen. Bull. War M., Lond., 1942-43, 3: 78 (Abstr.)

Reflex: Visceral reflexes.

Bain, W. A., Irving, J. T., & McSwiney, B. A. Visceral afferent fibres. J. Physiol., Lond., 1934-35, 83: 8P. — **Byrne, J. G.** Afferent relations of the skin and viscera to the pupil dilator mechanism. In his Stud. Physiol. Eye, Lond., 1942, 31-8. — **McSwiney, B. A., & Suffolk, S. F.** Segmental distribution of certain visceral afferent neurones of the pupillo-dilator reflex in the cat. J. Physiol., Lond., 1938, 93: 104-16. — **Peri, A.** Sulla algoscopia pupillare. Difesa sociale, 1931, 10: 411-23. — **Samaja, N.** La miadriasi al dolore. Riv. sper. freniat., 1925-26, 49: 421-49.

Rubeosis.

Favaloro, G. Rubeosis iridis diabetica e glaucoma anteriore (contributo riassuntivo clinico ed isto-patologico) Schweiz. med. Wschr., 1939, 69: 1107. — **Fontana, G.** Un caso di rubeosis iridis concomitante a trauma; contributo clinico con 2 figure. Lettura oft., 1939, 16: 203-9, pl. — **Gallino, J. A.** Rubeosis iridica. Arch. oft. B. Aires, 1936, 11: 39-42. — **Grandi, G.** Contributo allo studio della rubeosis iridis diabetica. Boll. ocul., 1938, 17: 484-91. — **Kurz, O.** Zur Rubeosis iridis diabetica. Arch. Augenh., 1936-37, 110: 284-302. — **Sallmann, L.** Glasige Erhebungen am Pupillarsaum bei Rubeosis iridis diabetica (Salus) Zschr. Augenh., 1934-35, 85: 262. — **Salus, R.** Rubeosis iridis diabetica, eine bisher unbekannte diabetische Irisveränderung. Med. Klin., Berl., 1928, 24: 256-8.

Sarcoma.

Gies, L. *Ueber das primäre Sarkom der Iris unter besonderer Berücksichtigung der

Therapie (Bericht über zwei Fälle von Fibrosarkom der Iris) 30p. 8°. Giessen, 1931.

GÜNTHER, C. *Beitrag zur Kenntnis des Melanosarkoms der Iris. 21p. 8°. Königsb., 1935.

HUNGERBÜHLER, R. *Ueber zwei Fälle von Irissarkom die durch eine Iridektomie entfernt werden konnten. 15p. 8°. Tüb., 1936.

TESKE, D. [geb. PONGS] *Ueber zwei Fälle von primärem Sarkom der Iris. 24p. 8°. Heidelb., 1929.

THON, H. *Das Ringsarkom der Iris. 23p. 22¹/₂cm. Lpz., 1936.

TUNZE, W. *Ueber einen Fall von primärem Irissarkom. 31p. 8°. Heidelb., 1936.

WOLF, F. W. *Ueber das primäre Melanosarkom der Iris (Bericht über einen Fall unter Berücksichtigung der Literatur) [Giessen] 25p. 8°. Berl., 1934.

Adams, D. R. A case of ring sarcoma of the iris. Brit. J. Ophth., 1930, 14: 448, 2 pl. — **Agatston, S. A., & Gartner, S.** Melanosarcoma of the ciliary body and iris; report of a case. Am. J. Ophth., 1939, 3. ser., 22: 1273-8. — **Bøje, O.** Ein Fall von Ringsarcoma iridis et corporis ciliaris. Acta ophth., Kbh., 1937, 15: 239-43. — **Brindley, B. I.** Melanosarcoma of iris and ciliary body; report of case. Wisconsin M. J., 1934, 33: 359. — **Chance, B.** A case of sarcoma of the iris. Tr. Am. Ophth. Soc., 1928, 26: 46-52, pl. Also Am. J. Ophth., 1928, 3. ser., 11: 859-61, pl. — **Copeze, J. H.** Sarcome de l'iris. Bull. Soc. belge ophth., 1929, No. 59, 39. — Evolution d'un sarcome de l'iris. Ibid., 1933, 29-32. — **Custodis, E.** Maligner melanotischer Tumor der Iris. Arch. Ophth., Berl., 1932-33, 129: 507-17. — **De Walsche, L.** Un cas de mélanosarcome de l'iris. Bull. Soc. belge ophth., 1934, No. 68, 93-7. — **Doherty, W. B.** Melanosarcoma of the iris. Am. J. Ophth., 1939, 3. ser., 22: 239-49. — **Duke-Elder, W. S., & Stallard, H. B.** Leuco-sarcoma of the iris. Brit. J. Ophth., 1930, 14: 158-61, pl. — **Ehlers, H.** Drei Fälle von Irissarkom. Acta ophth., Kbh., 1932, 10: 134-45. [Discussion] 24-30. — **Goldstein, I., & Wexler, D.** Melanosarcoma uveae and melanoma of the iris in neurofibromatosis (Recklinghausen) Arch. Ophth., Chic., 1930, n. ser., 3: 288-96. — **Handelsman, G.** Sarcoma? tuberculoma of iris. Proc. R. Soc. M., Lond., 1934, 28: 37. — **Heine, L.** Zur Biologie des Leukosarkoms der Iris. Arch. Ophth., Berl., 1931, 127: 640-3. — **Hermann, P.** Sarcome de l'iris. Arch. méd. Angers, 1937, 41: 48-53. [Discussion] 58.

Sarcome mélanique de l'iris accompagnant une malformation congénitale. Bull. Soc. ophth. Paris, 1937, 164-8, pl. — **Hippel, E. von.** Ueber metastatisches Sarkom der Iris und des Ciliarkörpers. Beitr. path. Anat., 1927, 77: 209-16, pl. — **Hoffman, W. F.** Sarcoma of iris. Am. J. Ophth., 1928, 3. ser., 11: 301. — **Kaganowa, O. A.** Zur Kasuistik der seltenen Iriskrankungen. Zschr. Augenh., 1929, 67: 61-7. — **Klein, M.** Ringsarkom der Iris und des Corpus ciliare. Klin. Mbl. Augenh., 1928, 80: 631-40. — **Kunz, E.** Sarkom der Iris. Zschr. Augenh., 1931, 75: 257-63. — **Leßer, O.** [A case of melanosarcoma of the ciliary body and of the iris displacing the crystalline] Cas. l'ok. čes., 1929, 68: 257-62. — **Loddoni, G.** Sul sarcoma primitivo dell'iride (contributo clinico) Lettura oft., 1929, 6: 501-9, pl. — **McKee, S. H.** Primary sarcoma of the iris, malignant melanoma; a report of 3 cases. Arch. Ophth., Chic., 1942, 28: 197-204. — **Mayou, M. S.** Sarcoma of the iris. Brit. J. Ophth., 1930, 14: 152-7, 6 pl. — **Meek, R. E.** Sarcoma of the iris; report of a case complicated by a cyst. Arch. Ophth., Chic., 1932, 8: 864-70. — **Meyer, S. J., & Kubik, D. J.** A case of melanotic sarcoma of the iris. Am. J. Ophth., 1933, 3. ser., 16: 893-7. — **Montalti, M.** Sul melanosarcoma dell'iride. Boll. ocul., 1932, 11: 601-8. — **Murray, W. R.** Annular malignant melanoma (ring sarcoma) of the iris. Tr. Am. Acad. Ophth., 1926, 31: 296-306. Also Am. J. Ophth., 1927, 3. ser., 10: 101-7. — **Nechaeva, E. N.** [Pathological anatomy and therapy of sarcoma of the iris] Med. biull., Irkutsk, 1939, No. 3, 40-9. Also Vest. oft., 1939, 15: 73-8. — **Papolczy, F.** Ueber die Sarkome der Iris. Arch. Augenh., 1930, 103: 309-22. — Nach traumatischer Uveitis entstandenes, in die Vorderkammer disseminiertes Irissarkom. Klin. Mbl. Augenh., 1934, 93: 189-95. — **Patterson, H. A.** Sarcoma of the iris. Am. J. Ophth., 1935, 18: 651-3. — **Robbins, A. R.** Sarcoma of the iris. Ibid., 1943, 26: 193 (Abstr.). — **Rosenbaum, H. D.** Sarcoma of the iris; a case report. Ibid., 1938, 3. ser., 21: 1360-4. — **Scullica, F.** L'infiltramento pigmentario dell'angolo irideo nei sarcomi melanotici dell'iride (contributo istoclinico) Ann. ottalm., 1928, 56: 600-11, pl. — **Siegert, P.** Ueber Melanosarkome der Iris mit besonderer Berücksichtigung der Wachstum- und Entwicklungsvorgänge. Arch. Ophth., Berl., 1938, 139: 591-639. — **Van Duyse, S.** Sarcome fusocellulaire de l'iris. Bull. Soc. belge ophth., 1929, No. 59, 38. — **Verhoeff, F. H.** Sarcoma of the iris. Tr. Am. Ophth. Soc., 1933, 31: 270. — **Young, C. A.** Primary melanosarcoma of the iris; with report of case. Am. J. Ophth., 1928, 3. ser., 11: 864-6, pl. — **Zentmayer, W.** Primary sarcoma of the iris; removed by iridectomy; no recurrence in 3½ years. Tr. Am. Ophth. Soc., 1930, 28: 109-15, pl. Also Arch. Ophth., Chic., 1931, n. ser., 5: 219-23, pl.

Surgery.

See also **Iridectomy; Iridencleisis; Iridotomy.**

Chance, B. Operations on the iris. In *Eye and its Diseases* (Berens, C.) Phila., 1936, 1087-93.—**Chaussier, Dumeril & Boyer.** Artificial pupil. Month. J. Foreign Med., 1828, 1: 360.—**Denig, R.** Die Iridotorsion im Vergleich mit der Trepanation, der Lagrangeschen Operation und der Zyklodialyse. Klin. Mbl. Augenh., 1937, 99: 1-8.—**Franceschetti, A.** Technik der künstlichen Pupillenbildung (Korepraxie) Ibid., 1939, 103: 459-66.—**McReynolds, J. O.** The iris in cataract and glaucoma; the management of the iris in the operation of cataract removal. Texas J. M., 1937-38, 33: 817-22.—**Márquez, M.** Algo sobre la operación del iris. An. Hosp. S. Creu, Barcel., 1932, 6: 126-50. — Sobre algunas operaciones que se practican en el iris. In his *Quest. oft.* Méx., 1941, 297-315.—**Mursin, A. N.** Die Trepanation der Hornhaut als Methode operativen Eingriffs auf der Iris. Klin. Mbl. Augenh., 1930, 85: 416-22.

Tumor.

See also subheadings (Cancer; Cyst; Myoma; Sarcoma)

Andrade, L. de. A propósito dum epidermoidoma da iris. Lisboa méd., 1934, 11: 40-50, pl.—**Arkle, J. S., & Robson, S.** Case of tumour of iris. Tr. Ophth. Soc. U. K., 1929, 49: 492.—**Baillart, P., & Rossano, R.** Néofornation de l'iris dans l'angle iridocornéen. Bull. Soc. opht. Paris, 1935, 183-7.—**Bossalino, G.** Ulteriore contributo alla conoscenza dei tumori del corpo ciliare e dell'iride. Rass. ital. ottalm., 1937, 6: 438-56.—**Fialho, A.** Uma forma rara de neoplasma da iris. Arq. brasil. oft., 1942, 5: 307 (Abstr.).—**Gil, R. R., & Courtis, B.** Tumor del iris. Rev. espec. B. Air., 1929, 4: 1348-58.—**Heine, J.** Vier Fälle von Iristumoren: Gumma, Lymphogranulom, Lupoid (oder Sarkoid?) Sarcoma minimum. Zschr. Augenh., 1929, 69: 338-46, pl.—**Hoeve, van der** [Two cases of tumor of iris] Ned. tscr. geneesk., 1930, 74: pt 2, 4731.—**Hudson, A. C.** Hypernephroma of iris. Am. J. Ophth., 1935, 18: 56.—**Joseph, H., Mawas, & Morat.** Tumeurs de l'iris, à évolution particulière, diagnostiquées par la biomicroscopie. Bull. Soc. opht. Paris, 1929, 332-5.—**Katzin, H. M.** A case of tumor of the iris root. Arch. Ophth., Chic., 1942, 28: 757.—**Ketter.** Tumeur primitive de l'iris; extirpation et conservation de l'oeil. Bull. Soc. opht. Paris, 1938, 406-9.—**Kurz, O.** Symmetrischer Iristumor. Klin. Mbl. Augenh., 1937, 98: 476-86.—**MacCallan, A. F.** Tumour of iris. Proc. R. Soc. M., Lond., 1927-28, 26: Sect. Ophth., 48.—**Leitchworth, T. W.** Tumour of iris. Ibid., 1928-29, 22: Sect. Ophth., 37.—**Mawas, J.** Sur une espèce de tumeur non encore décrite, de la base de l'iris. Bull. Soc. opht. Paris, 1934, 40-4.—**Orzalesi, F.** Un caso di glioma primitivo dell'iride. Boll. ocul., 1935, 14: 641-64.—**Pincus, L.** [Demonstration of tumors of the iris] Ned. tscr. geneesk., 1935, 79: 5489. — Neubildungen der Iris. Ophthalmologica, Basel, 1939, 97: 302-11.—**Rodin, F. H.** Angioma of the iris; first case to be reported with histologic examination. Arch. Ophth., Chic., 1929, n. ser. 2: 679-90.—**Santori, G.** Voluminoso neo congenito dell'iride pendulo nella camera anteriore. Boll. ocul., 1929, 8: 162-70.—**Schmidt, R.** Ein epithelialer Tumor der Iris. Arch. Augenh., 1933-34, 108: 457-63.—**Terrien, F.** Remarques sur les tumeurs de l'iris. Arch. opht., Par., 1929, 46: 69-83.—

IRISARRI, Joseph Marie, 1911— *Contribution à l'étude du traitement radiothérapique des furoncles de la face et en particulier de ceux de la lèvre supérieure. 51p. 25cm. Bordeaux, Bière, 1937.

IRISAWA, Tatukiti, 1860-1938.

For obituary see J. Am. M. Ass., 1938, 111: 2226.

IRISH, Cullen Ward, 1889— Aneurysms of the cerebral vessels; with a study of 32 cases found at 12,503 consecutive necropsies. vi, 61p. illust. 27½cm. Ann Arbor, Edwards bros, 1940.

IRISH, Russell Edwin.

See **Oliver, O. A., Irish, R. E., & Wood, C. R.** Labio-lingual technic. 424p. 25cm. St. Louis, 1940.

IRISH Academy.

See under [Ireland] Royal Irish Academy.

IRISH Free State.

See Ireland.

IRISH Free State hospital year book and medical directory, 1937. 224p. 4°. Dubl., O'Neill Publ., 1937.

IRISH journal of medical science. Dubl., 5. ser., 1922—

IRISH moss [Chondrus]

Haas, P., & Hill, T. G. On carrageen; Chondrus crispus. Ann. Appl. Biol., Lond., 1921, 7: 352-62.—**MacArdie, W.** Decoction of Irish moss. Pharm. J. Lond., 1942, 95: 116.—**Nilsson, H. W., & Schaller, J. W.** Nutritive value of agar and Irish moss. Food Res., 1941, 6: 461-9.—**Wing, W. T.** Decoction of Irish moss; method of preparation and wartime use. Pharm. J., Lond., 1942, 95: 103.

IRITIS.

See also **Iridochoroiditis; Iridocyclitis; Iris, Disease; Uveitis.**

Acute iritis and iridocyclitis. Bull. Pract. Ophth., S. France., 1933, 3: 5-7.—**Allen, T. D.** General considerations of iritis. J. Lancet, 1931, 51: 593-6.—**Duke-Elder, W. S.** Iritis. Practitioner, Lond., 1932, 128: 471-80.—**Lawrence, J. W.** Iritis. Month. J. Foreign Med., 1828, 1: 119.—**McKinney, J. W.** Iritis. Memphis M. J., 1943, 18: 58.—**Moore, T. W.** Iritis. Internat. J. M. & S., 1934, 47: 191-207.—**Penman, G. G.** Iritis. Clin. J., Lond., 1928, 57: 145-50.—**Sidwell, G. E.** Iritis; its cause, management, and treatment. Colorado M., 1933, 30: 4-7.—**Weaver, H. A.** Iritis. Hahneman, Month., 1937, 72: 521-30.

Boeck's type [Sarcoidosis]

See also **Granuloma benignum.**

Blegvad, O. Ueber die Diagnose von Iritis Boeck. Acta ophth., Kbh., 1938, 16: 598-611, pl.—**Dalsgaard-Nielsen, E.** Tilfælde af Boecks sarkoid ved febris uveo-parotideae. Nord. med., 1941, 9: 899.—**Kindt, P.** Three cases of nodulate iritis (iritis Boeck) Acta ophth., Kbh., 1940, 18: 38-50. Also Nord. med., 1940, 7: 1385.—**King, D. S.** Sarcoid disease as revealed in the chest roentgenogram. Am. J. Roentg., 1941, 45: 505-12.—**Lindau, A., & Löwegren, A.** Benign lymphogranuloma (Schaumann's disease) and the eye. Acta med. scand., 1940, 105: 242-67.—**Nordin, G.** Maladie de Schaumann, lymphogranulomatose bénigne, avec plaques érythrodermiques et iridocyclite comme symptômes cliniques dominants. Ibid., 104: 131-6.—**Ortega, J. M.** Dos casos de iritis de origen parotideo. Arch. oft. hisp. amer., 1931, 31: 45-8. Also Rev. san. mil., Madr., 1931, 21: 163-6.—**Osterberg, G.** Iritis Boeck; sarkoid of Boeck in iris. Brit. J. Ophth., 1939, 23: 145-60. — A case of uveoparotid fever concurrent with iritis Boeck. Acta ophth., Kbh., 1941, 19: 188. — Et tilfælde af febris uveo-parotidea med iritis Boeck. Nord. med., 1941, 9: 900.—**Thornhill, P. S., & Thornhill, E. H.** Boeck's sarcoid with nodular iritis in a child. Am. J. Dis. Child., 1942, 64: 262-9, pl.

Diagnosis.

Brusselmans, P. Diagnostic précoce de l'iritis. Rev. méd., Louvain, 1927, 200-2.—**Chambers, E. R.** The differential diagnosis of primary iritis in the early stages. Bristol Med. Chir. J., 1931, 48: 51-6.—**Gifford, S. R.** The diagnosis of iritis. Bull. Chicago M. Soc., 1935, 38: 255. Also Illinois M. J., 1936, 69: 230.—**Isakowitz, J.** Die diagnostische Bedeutung der Ehrlich-Türkschen Linie als Frühzeichen der Iritis. Klin. Mbl. Augenh., 1933, 91: 517-9.—**Jacquemin, E.** Comment diagnostiquer une iritis? comment la traiter? Strasbourg méd., 1926, 84: pt 2, 328-31.—**Meisner, W.** Diagnóstico y tratamiento de la iritis. Rev. méd. germ. ibér. amer., 1929, 2: 344-50.—**Ollendorff, U.** Ueber den Wert der Blutkörperchenreaktion bei Ermittlung der Aetiologie von Iritis und Iridozyklitis. Klin. Mbl. Augenh., 1932, 89: 33-6.—**Pettis, A. L.** Acute iritis, acute conjunctivitis, acute glaucoma and their differential diagnosis. J. Kansas M. Soc., 1943, 44: 78-80.

Etiology.

Büchs, W. *Ueber die in den Jahren 1930-35 an der Universitäts-Augenklinik zu Würzburg beobachteten Fälle von Iritis und Iridocyclitis, unter besonderer Berücksichtigung der Aetiologie. 14p. 21cm. Würzb., 1937.

GOLDSCHADT, K. [F.] *Ueber Raupenhaariritis. 23p. 22½cm. Würzb., 1937.

LEWINSKY, W. *Ueber einige Fälle von Iritis im Anschluss an Zahnerkrankungen und über die Art der Zahnerkrankungen im besonderen. 11p. 8°. Berl., 1932.

MÜLLER, W. *Zahnleiden als Ursache der Iritis und Iridozyklitis. 14p. 8°. Würzb., 1935.

OVERBECK, M. *Iritis metastatica bei einem Panaritium. 14p. 8°. Würzb., 1932.

STUMPF, H. *Gibt es eine vom Zahn ausgehende Iritis? 21p. 8°. Würzb., 1933.

STUMPF, A. *Ueber die Aetiologie der Iritis an Hand der Fälle der Universitäts-

Augenlinik zu Würzburg in den Jahren 1930-1932. 13p. 8°. Würzb., 1933.

VIALARD, J. *Infection focale, sinusite et iritis. 75p. 24cm. Par., 1938.

Benedict, W. L. The character of iritis caused by focal infection. Arch. Ophth., N. Y., 1921, 50: 560-8.—Bercens, C., & Nilson, E. L. Experimental iritis in rabbits produced by coliform bacilli isolated from the upper respiratory tract of man. Ibid., 1940, 24: 1045.—& Chapman, G. H. The production of acute iritis in rabbits by coliform bacilli obtained from the upper respiratory tract. J. Bact., Balt., 1940, 39: 76.—Beselin, O. Iritis durch eitrige Mandelphropie und Zahnkrankungen. Klin. Mbl. Augenh., 1928, 80: 501-3.—Bourquin, Etiologie de l'iritis. Praxis, Bern, 1933, 22: 569-71.—Brawley, F. Etiology of iritis. Illinois M. J., 1936, 69: 231.—Brown, A. L., & Dummer, C. The experimental production of iritis. Arch. Ophth., Chic., 1929, n. ser., 2: 573-7.—Experimental iritis associated with ocular sensitization. J. Med., Cincin., 1932, 13: 238-40.—Bywater, H. H. Iritis of uncertain origin. Tr. Ophth. Soc. U. K., 1936, 56: 265.—Cantatore, F. Cause meno frequenti dell'irite acuta da complicate periodontali. Atti Congr. internaz. stomat. (1935) 1936, 2. Congr., 2: 1050.—Canter, B. M. Iritis as a manifestation of general sepsis; report of a case with nodules. Eye Ear & Month., 1941-42, 20: 366-8.—Copps, L. A., & McCormick, G. L. Some factors in the etiology of iritis. Wisconsin M. J., 1937, 36: 268-75.—Egan, B. W. Etiology and treatment of iritis. J. Indiana M. Ass., 1935, 28: 69-77.—Emenhiser, J. L. Iritis due to sodium iodide; report of case. U. S. Nav. M. Bull., 1926, 24: 101.—Fehér, L. [Dental disease causing iritis] Gyógyászat, 1933, 73: 573.—Fimbel, M. Iritis diabétique suppurative débutant par une crise de glaucome aigu. Arch. ophth., Par., 1923, 40: 292-6.—Genet, L. Etiologie et pathogénie des iritis. J. méd. Lyon, 1935, 16: 195-201.—Gifford, S. R. A review of the literature on the etiology of acute iritis. Am. J. Ophth., 1931, 3. ser., 14: 100-10.—Hansen, E. W. The etiology of iritis and its relationship to clinical diagnosis. J. Lancet, 1926, 46: 217-21.—Holloway, T. B. Evaluation of etiologic factors in acute iritis. Am. J. Ophth., 1931, 3. ser., 14: 232-8.—Irons, E. E. The etiology of chronic iritis. Ibid., 1928-36. Also Wien. med. Wschr., 1932, 82: 1083.—Jahnke, W. Experimentelle Untersuchungen über das Zustandekommen der ektogenen Iritis; Beitrag zur Auswirkung von Axonreflexen am Auge. Klin. Mbl. Augenh., 1938, 100: 362-77.—Just Tiscornia, B., & Moret, R. L. Iritis sifilitica; goma circumscripta. Sem. méd., B. Air., 1940, 47: pt 2, 1451-9.—Kollmer, J. A. The bacteriological and immunological aspects of iritis; with special reference to its relationship to bacterial allergy. Am. J. Ophth., 1931, 3. ser., 14: 217-22.—Krückmann, Ueber Iritis infolge von Herderkrankungen im urethralen und oralen Gebiet. Verh. Deut. Ges. inn. Med., 1930, 42: Kongr., 451-60.—Kusuhara, H. [Ueber die Iritis bei der Harada'schen Krankheit] Acta Soc. ophth. jap., 1941, 45: 205-24.—Lagrange, H., & Marq, P. Iritis aiguë et infection dentaire. Bull. Soc. ophth. Paris, 1934, 149-51.—Legrand, H. Iritis et infection dentaire. Union méd. Canada, 1926, 55: 562-4.—MacLean, A. L. Experimental iritis: the ocular reactions in rabbits sensitized to Streptococcus viridans. Tr. Am. Ophth. Soc., 1936, 34: 324-40, 2 pl.—Manes, A. J. Etiología de las iritis y su tratamiento. Prensa méd. argent., 1928, 15: 630-4.—Matheny, R. C. Is malaria an etiologic factor in iritis? Illinois M. J., 1926, 49: 139-42.—Mazal, V. [Focal infection in iritis] Cas. lék. česk., 1933, 72: 809-12.—Möller Ladekarl, P. Hypotonische Iritis bei Amotio retinae. Acta ophth., Kbh., 1935, 13: 301-10.—Ramsay, A. M. Diagnosis, prognosis, and treatment of acute toxic iritis. Glasgow M. J., Lond., 1928, 109: 225-38.—Rousseau, F., & Spillmann, J. Réaction inflammatoire nodulaire unilatérale de l'iris à type de tubercule; antigène méthylique; guérison. Ann. ocul., Par., 1933, 170: 328-33.—Schnabel, T. G. Endogenous infections in the etiology of acute iritis. Am. J. Ophth., 1931, 3. ser., 14: 223-31.—Sédan, J. Iritis et hémophilie familiale. Ann. ocul., Par., 1931, 168: 264-71.—Siniscal, A. A. Iritis due to bacteria and bacterial toxins associated with dental sepsis; experimental production in laboratory animals by administration of these toxins. Arch. Ophth., Chic., 1940, 23: 705-19.—Terrien, F. Iritis et diabète. Rev. gén. clin. théér., 1932, 46: 81-5.—Thies, O. Iritis und Menstruation (Betrachtungen über innersekreterische Zusammenhänge) Arch. Ophth., Berl., 1930, 124: 103-12.—Thomsen, H. A case of scleroido-conjunctivitis due to Filaria loa. Acta ophth., Kbh., 1941, 19: 189.—Traut, E. F. Blood-culture studies in iritis. Am. J. Ophth., 1934, 3. ser., 17: 106-9.—Vázquez-Barriera, A. Diagnóstico etiológico de las iritis e irido-ciclitis. Acción méd., B. Air., 1940, 10: 521-3.—Weinberger, N. S. Chronic iritis; the rôle of focal infection. Pennsylvania M. J., 1933, 37: 98-101.—Yap Hong Tjoen [Sympathetic iritis] Geneesk. tscr. Ned. Indië, 1939, 79: 4010.—Zeeman, W. P. C. [On kerato-iritis and uremia] Ibid., 1937, 77: 963-71.

— glaucomatous.

See also Glaucoma, Iritis.

Fasselová, M. [Iritis and hypertension] Cas. lék. česk., 1933, 72: 981-4.—Gordon, B. L. Iritic glaucoma; prophylaxis and medical treatment. Eye Ear & Month., 1938-39, 17: 45-8.—Hardy, A. C. Early treatment of iritis and glaucoma.

J. Am. Osteopath. Ass., 1934, 33: 552.—Hayasi, K. Iritis, glaucomatosa und ihre Behandlung. Acta Soc. ophth. jap., 1939, 43: 79.—Mariotti, C. L'uso dell'adrenalina nelle iritis ipertensive. Lettura oft., 1924, 1: 588-99.—Stock, W. Ueber die Behandlung des Glaukoms, vorwiegend des iritischen Glaukoms. Klin. Mbl. Augenh., 1928, 81: 690-702.—Tyrrell, T. M. Iritis and glaucoma. Med. Press & Circ., Lond., 1938, 196: Suppl., p. xxv-xxx.—Wostrý, M. [Glaucoma and iritis] Bratisl. lek. histy, 1931, 11: 187-92.

— gonorrheal.

See also Gonorrhea, Ophthalmia.

DECORPS, P. *Irido-cyclite blennorrhagique. 50p. 8°. Par., 1935.

Bonnet, P., Thiers, & Bussy. Action du vaccin antigonococcique intraveineux dans une iritis gonococcique. Ann. ocul., Par., 1935, 172: 784.—Iritis gonococcique; action favorable du vaccin antigonococcique intraveineux. Bull. Soc. ophth. Paris, 1935, 44.—Canitano, S. Iriti gonococciche. Gior. ter. oft., 1932, 13: 47-53.—Gault, A. Iritis et gonorréa. Bull. Soc. ophth. Paris, 1935, 273-7.—Lerner, M. L. Gonorrheal iritis. N. York State J. M., 1928, 28: 2025-7.—Lund, S. [Iritis gonorrheumatica, treated with pyrimid] Ugeskr. laeger, 1941, 103: 713.—Magitot & Morax, P. Action curatrice des injections intra-orbitaires d'alcool dans quelques cas d'iritis gonococcique. Bull. Soc. ophth. Paris, 1937, 617-20.—Sieger, P. Differentialdiagnose der gonorrhoeischen Iritis. Med. Welt, 1939, 13: 917-9.—Thiers, H., & Blanc, E. Action thérapeutique sur l'iritis gonococcique du traitement sulfamidé. Bull. Soc. fr. derm. syph., 1938, 45: 1449.—Wostrý, M. [Gonorrheal affection of the iris and its treatment] Cas. lék. česk., 1933, 72: 988-92.

— herpetic.

See also Herpes; Zoster.

Biantovskaja, E. T. [Herpes of the iris] Sovet. vest. oft., 1932, 1: 33-9.—Grüter, W. Die experimentelle Iritis herpetica. Klin. Mbl. Augenh., 1940, 105: 367.—Löwenstein, A. Ueber umschriebene Narbenbildung im Irisvorderblatt nach Blattern, Schafblattern, Impfiritis durch Herpes-febrilis-Virus und Scharlach. Zbl. Bakt., 1. Abt., 1934-35, 133: 246-9, pl.

— Pathology.

Andersen, C. L. Ein Fall von nekrotisierender Iritis. Acta ophth., Kbh., 1927, 4: 284-7.—Baudot & Gault. Reliquats d'iritis embryonnaires. Bull. Soc. ophth. Paris, 1934, 183-6.—Bussola, E. Considerazioni cliniche e patogenetiche sulla cosiddetta iridite sierosa. Lettura oft., 1930, 7: 57-81.—Fuchs, E. Ueber Exsudatbelag bei chronischer Iritis. Arch. Ophth., Berl., 1929, 123: 43-51.—Munson, E. S. Chronic iritis with blood vessels on the lense. Arch. Ophth., Chic., 1934, n. ser., 12: 99.—Swatikowa, A. G. Die papulöse Iritis bei der Untersuchung mit der Spaltlampe. Klin. Mbl. Augenh., 1927, 78: 688-90.—Waldmann, A. Klinische Beobachtungen über die Bedeutung von Nasenerkrankungen für das Entstehen von Iritis nebst Bemerkungen über den sympathisierenden Charakter der spontanen Iritis serosa. Zschr. Augenh., 1930, 72: 21-32.—Werner, S., & Adlercreutz, E. Ein Fall von Iritis haemorrhagica glaucomatosa mit Purpura thrombopenica. Acta ophth., Kbh., 1931, 9: 329-33. Also Fin. läk. säll. hand., 1931, 83: 883-7.

— Prognosis.

JÜRGENSEN, J. J. *Iritis, Iridocyclitis; Ursachen, Sehstörungen und Lebensdauer (eine Untersuchung von 494 Fällen der Kieler Universitäts-Augenlinik aus den Jahren 1907-1915) 39p. 8°. [Kiel, 1934]

REH, H. *Iritis und Iridocyclitis; Sehstörungen und Lebensdauer [Kiel] 23p. 8°. Insterburg, 1935.

Vom Hofe, K. Ueber Ursache und Schicksal der Iritiden, Ber. Deut. ophth. Ges., 1929, 47: 386-91.

— relapsing.

GOLLWITZER, M. *Ueber rezidivierende Hypopyon-Iritis mit Ausgang in doppelseitige Erblindung [Würzburg] 28p. 21cm. Ochsenfurt a. M., 1938.

SCHARRER, I. *Die Iridektomie in der Therapie der chronischen, rezidivierenden Iritis [Kiel] 32p. 8°. München, 1929.

Behçet, H. A propos d'une entité morbide due probablement à un virus spécial donnant lieu à une infection généralisée se manifestant par des poussées récidivantes en 3 régions principales et occasionnant en particulier des iritis répétées. Bull. Soc. fr. derm. syph., 1939, 46: 674-87.—Cavara, V. Ueber ein besonderes Syndrom, gekennzeichnet durch rezidivierende Hypopyoniritis, verbunden mit Geschwüren des Mundes und

der Geschlechtsteile und mit Hautausschlägen. Klin. Mbl. Augenh., 1940, 104: 629-44.—**Fuchs, A.** Ueber chronische multiple Knotenbildung am Körper mit häufig rezidivierender eitriger Iritis und Skleritis. Deut. med. Wschr., 1926, 52: 1503-5.—**Hawker, G. P. D.** Relapsing iritis treated by x-radiation. Tr. Ophth. Soc. U. K., 1939, 59: pt 1, 474.—**Irons, E. E., & Brown, E. V. L.** Recurrence of iritis as influenced by the removal of infections; summary of 50 cases. J. Am. M. Ass., 1926, 87: 1167-72.—**Jahnke, W.** Langjährige rezidivierende Iritis mit Ausgang von den Gaumentonsillen. Zschr. Augenh., 1930, 72: 354-9.—**Kiep, W. H.** Case of recurrent iritis (bilateral) preceded by phlebitis, and terminating thin rupture of an abdominal aneurysm. Tr. Ophth. Soc. U. K., 1933, 53: 603-5.—**Knapp, P.** Beitrag zur Symptomatologie und Therapie der rezidivierenden Hypopyoniritis und der begleitenden aphthösen Schleimhauterkrankungen. Schweiz. med. Wschr., 1941, 71: 1288-90. — Zur Therapie der rezidivierenden Hypopyoniritis und ihrer Begleitkrankheiten. Ophthalmologica, Basel, 1942, 103: 111-4.—**Mackenzie, G. W.** Recurring attacks of iritis of focal infection origin; report of an unusual case. J. Ophth. Otol., 1926, 30: 191-8.—**Reed, J. R., & Goldfain, E.** Recurrent iritis in undulant fever with concurrent rheumatic and/or arthritic disease. J. Oklahoma M. Ass., 1938, 31: 302-4.—**Schultheiss-Linder, H.** Beitrag zur Symptomatologie und Therapie der rezidivierende Hypopyoniritis begleitenden Genitalulzera und über die Beziehung derselben zum Ulcus vulvae acutum Lipschütz und zu den Vitaminen des B-Komplexes. Schweiz. med. Wschr., 1941, 71: 1290-3.—**Urbanek, J.** Ueber die rezidivierende Hypopyon-Iritis und ihre Beziehungen zur Tuberkulose. Zschr. Augenh., 1929, 69: 174-87.—**Weekers, L., & Reginster, H.** Un nouveau syndrome: iritis, ulcères aigus de la bouche et de la vulve; sa parenté avec l'iritis récidivante à hypopyon. Arch. opht., Par., 1938, n. ser., 2: 697-705. — Contribution à l'étude de l'iritis récidivante à hypopyon; uvéite allergique récidivante à hypopyon. Bull. Soc. belge opht., 1938, No. 76, 31-44.

— rheumatic and spondylitic.

APPEL, H. *Ueber rheumatische Iritis. 32p. 8° Greifsw., 1929.

DOELLE, H. *Rezidivierende Iritis bei Spondylarthritis ankylopoetica. 15p. 8° Lpz., 1936.

Babel, J. Spondylarthritis ankylosante dans l'étiologie des iritis. Schweiz. med. Wschr., 1940, 70: 1066.—**Enroth, E.** [Rheumatic iritis and the weather] Fin. läk. säll. hand., 1931, 73: 831-6. Also Acta opht., Kbh., 1932, 10: 146-50.—**Koroleva, N. I., & Tourchou, E. S.** [Rheumatic iritis in children] Pediatra, Moskva, 1940, No. 2, 35-8.—**Kraupa, E.** Iritis und Spondylarthritis ankylopoetica. Klin. Mbl. Augenh., 1933, 91: 493.—**Kunz, E.** Ueber das Vorkommen von Iritis bei chronisch-entzündlicher Wirbelsäulenversteifung (Spondylarthritis ankylopoetica) Ibid., 153-63. — Zur Kenntnis der metastatischen Iritis bei Spondylarthritis ankylopoetica. Ibid., 1935, 95: 486-91. — Ueber einen Fall von metastatischer Iritis bei Spondylarthritis ankylopoetica. Zschr. Augenh., 1935, 87: 166.—**Levina, L. S.** [Rheumatic iritis and its treatment with lysates] Sovet. vest. oft., 1936, 9: 22-8.—**Mamola, P.** Il veleno delle api nella cura delle iriti di natura reumatica. Cult. med. mod., Pal., 1936, 15: 41-9.—**Meesmann, A.** Ueber die Behandlung der Iritis rheumatica mit Bienengift. Klin. Mbl. Augenh., 1936, 97: 727-35.—**Noboa-Recio, F. E.** Importancia de la radiografía y de la sedimentación de los glóbulos rojos en el diagnóstico y tratamiento de diferentes formas de reumatismo articular que se acompañan de iritis. Arch. oft. B. Aires, 1941, 16: 36-48.—**Pollack, H.** Ueber Apikosanbehandlung bei Iritis rheumatica. Klin. Mbl. Augenh., 1928, 81: 668-71.—**Strebel, J.** Rezidivierende Iritis bei Spondylarthritis ankylopoetica progressiva; Besserung durch Epithelkörperresektion. Ibid., 1935, 95: 786-90.—**Teschendorf, H. J.** Iritis rheumatica und Spondylarthritis ankylopoetica. Deut. med. Wschr., 1933, 59: 1576-8.

— rosacea.

See Acne, rosacea: Complications.

— Treatment.

ROMANACCE, J. N. *Le salicylate de soude intraveineux dans les iritis et les sclérites. 39p. 8° Par., 1936.

SCHMID, E. *Röntgenbestrahlung bei Iritis und Iridocyclitis. 87p. 8° Tüb., 1934.

Ballantyne, A. J. The treatment of diseases of the iris, ciliary body, and choroid. Clin. J., Lond., 1938, 67: 224-34.—**Bhaduri, B. N.** Treatment of iritis on aetiological basis. J. Ind. M. Ass., 1936-37, 6: 141-4.—**Cepero Garcia, G., & Comas Céspedes, L.** La diatermia en las iritis. Rev. cubana otoneur., 1934, 3: 10; 50. Also Zschr. Augenh., 1934, 84: 211-5.—**Gifford, S. R.** Therapy of iritis (iridocyclitis) and of choroiditis. J. Am. M. Ass., 1935, 104: 1821.—**Halliday, J. C.** Treatment of iritis. Med. J. Australia, 1933, 1: 474.—**Heine, L.** Die Entzündung der Regenbogenhaut und ihre Behandlung. Deut. med. Wschr., 1934, 60: 16-9, pl.—**Mallof de la Riva.** Valor de la autohemoterapia en las iritis idiopáticas. Med. ibera, 1927, 22: pt 2, 109.—**Mann, I. C.** The treatment of acute iritis.

Lancet, Lond., 1926, 2: 399.—**Meyer, S. J.** The treatment of iritis. Illinois M. J., 1936, 69: 232-4.—**Mukherjee, S.** Iritis and its management. Ind. M. Rec., 1942, 62: 1-4.—**Rochat, G. F.** La iontophorèse des mydriatiques dans le traitement des irites et des iridocyclites. Tr. Internat. Ophth. Congr. (1929) 1930, 13. Congr., 1: 199-203.—**Rodin, F. H.** Acute iritis: its treatment. California West. M., 1937, 47: 167-70.—**Samuel, E. C., Blum, H. N., & Bowie, E. R.** Roentgenotherapy of exudative iritis. J. Am. M. Ass., 1926, 87: 1033.—**Scarlett, H. W.** Clinical and experimental observation on foreign protein especially in iritis. Am. J. Ophth., Chic., 1927, 3. ser., 10: 747-50.—**Veil, P.** Les iritis aiguës (conduite à tenir) Rev. gén. clin. théor., 1930, 44: 551.—**Zimin, V. I.** [Cervical method in therapy of iritis and iridocyclitis] Vest. oft., 1939, 15: 79-81.

— in animals.

Brion, A. Iritis colibacillaire et lymphadénie du chien. Bull. Soc. opht. Paris, 1936, 177-9.—**Lee, C. D., & Wilcke, H. L.** Transmission experiments with iritis of fowls. Am. J. Vet. Res., 1941, 2: 292-4.—**McDonagh, U. E. R., & Wolff, E.** Iritis (white eye) in fowls; with an account of the histological changes in the eye. Brit. J. Ophth., 1939, 23: 659-69.—**Mathis.** Iritis chez une vache. Bull. Soc. sc. vét. Lyon, 1899, 2: 84.

IRKUTSK, U. S. S. R. Gosudarstvenny Universitet. Сборник трудов. 1 p. l. 324p. fold. pl. tab. ch. 22cm. Irkutsk, 1928.

IRKUTSK, U. S. S. R. Vostochno-Sibirsky Medicinsky Institut. Труды. Moskva, No. 2, 1935—

— **Otdel Zdravookhranenia.** Уровская болезнь в Забайкалье. 208p. illust. tab. diagr. 21cm. Irkutsk, Ogiz, 1936.

IRKUTSK, U. S. S. R. Gosudarstvenny medicinsky institut. Klinika nervnykh boleznei. Эпилепсия. 239p. tab. diagr. 20½cm. Irkutsk, Irkutsk oblast. izdat., 1938.

See also Medicinsky biulleten; organ Irkutskogo medicinskogo instituta.

See also **Kosmakova, M. A., & Malysheva, M. V.** [Scientific research work of the Irkutsk Medical Institute for the past 20 years, 1919-39; bibliographical, subject, and author index] Med. biull., Irkutsk, 1939, No. 4, 211-85.—**Romanov, K. I.** [Twentieth anniversary of the Irkutsk Medical Institute] Ibid., 3-91, 9 pl.

IRLAND, Robert Douglas, 1879—

For portrait see Nu Sigma Nu Bull., 1942, 31: 276.

IRLE, Siegfried Ernst, 1907— *Zur Frage des Wundscharlachs. 16p. 21½cm. Marb., K. Euker, 1936.

IRMER, Gotthard, 1909— *Klinische Erfahrungen bei 200 Appendizitisfällen unter besonderer Berücksichtigung der Verhältnisse der klinischen Symptome zu den Operations- und histologischen Befunden. 16p. 8° Bresl., K. Klossok, 1938.

IRMLER, Emil, 1907— *Ueber die Wirkung der Monobromessigsäure auf den Blutzucker. 10p. 8° Münster, Münstersche Buchdr., 1931.

IRMSCHER, Walter, 1908— *Ein Beitrag zum klinischen Bild der Myositis ossificans progressiva [Göttingen] 33p. 8° Bottrop-W., W. Postberg, 1935.

IRNIGER, Gustav. *Chronische Polyarthritis rheumatica und actives Mesenchym [Zürich] 23p. 8° Basel, B. Schwabe & co., 1929.

Also Schweiz. med. Wschr., 1929, 59: 1183-8.

IRON.

See also Iron age; Iron industry; Iron worker.

Cooper, L. H. N. Iron in the sea and in marine plankton. Proc. R. Soc., Lond., 1935, ser. B., 118: 419-38.—**Lwoff, A.** Le fer, élément indispensable au flagellé Polytoma uvella Ehr. C. rend. Soc. biol., 1930, 104: 664-6.—**Reed, H. S., & Dufrenoy, J.** Détection histochimique du fer et du zinc dans les feuilles de Citrus. C. rend. Acad. sc., 1934, 198: 1535-7.—**Rostaing, de.** Procédé de fabrication du fer. J. chim. méd., Par., 1865, 5. sér., 1: 228.

— Alloy.

Cotton, J. B. The determination of silicon, phosphorus and manganese in acid-resisting high-silicon irons. Analyst, Lond., 1941, 66: 286-8.—**Ehret, W. F., & Gurinsky, D. H.** The

thermal diagram of the system iron-tin. *J. Am. Chem. Soc.*, 1943, 65: 1226-30.—**Hatfield, W. H.** Economy in the use of ferro-alloys. *Nature, Lond.*, 1942, 150: 509-12.—**Konstantinov, N. S.** [Physico-chemical investigation of tertiary alloys of iron with phosphorus and carbon; electroconductability] *J. Russ. fiz. khim. obsch.*, khim. ch., 1918, 50: 311-37.—**Kurnakov, N. N.** Investigation of the system chromium-silicon-iron in the region of silicochrome. *C. rend. Acad. sc. URSS*, 1912, 34: 158. — Carbon solubility in silicochrome. *Ibid.*, 35: 247-9.—**Urazov, G., & Grigorjeva, A.** [Alloys of iron with aluminum] *J. Russ. fiz. khim. obsch.*, khim. ch., 1918, 50: 270-93.

— Biochemistry.

See also **Blood chemistry**, **Iron: Chlorophyll; Enzyme; Hemoglobin; Porphyrin.**

RATHERT, G. *Ueber die Wirkung des Eisens auf diastatische Fermente [Münster] 19p. 8°. Bottrop, 1935.

Barkan, G. Zur Differenzierung biologischer Eisenverbindungen. *Abstr. Internat. Physiol. Congr.*, 1929, 13. Congr., 15. — Ueber das Verhalten von anorganischem Eisen nach Zusatz zum Blute. *Zschr. physiol. Chem.*, 1933, 216: 17-25. — & **Schales, O.** Trennung der Blutkatalase vom leicht abspaltbaren Eisen. *Ibid.*, 1936, 244: 81-8. — Origin of ionized iron after action of acids on blood and influence of carbon monoxide. *Proc. Soc. Exp. Biol.*, N. Y., 1942, 50: 74-9.—**Barron, E. S. G.** The role of iron-porphyrin compounds in biological oxidations. *Sympos. Quant. Biol.*, 1939, 7: 154-64.—**Delory, G. E.** The preparation and analysis of iron of haemin and haemoglobin. *Analyst, Lond.*, 1943, 68: 5-8.—**Drabkin, D. L.** Spectrophotometric studies; the establishment of precise spectrophotometric constants for cytochrome C and hemin derivatives, upon an iron basis. *J. Biol. Chem.*, 1941, 140: 373-85.—**Hill, R., & Lehmann, H.** Studies on iron in plants with special observations on the chlorophyll:iron ratio. *Biochem. J.*, Lond., 1941, 35: 1190-9.—**Kunz, K., Morneweg, W., & Müller, H.** Ueber Eisenverbindungen der Chlorophyllreihe mit blutfarbstoffähnlichen Eigenschaften; über Eisenphäophytin A. *Zschr. physiol. Chem.*, 1931, 199: 93-111.—**Maschmann, E., & Helmert, E.** Ueber den Einfluss von Eisenverbindungen auf proteolytische und peptolytische Vorgänge. *Ibid.*, 1935, 231: 51-4.—**Sherman, W. C., Elvehjem, C. A., & Hart, E. B.** Further studies on the availability of iron in biological materials. *J. Biol. Chem.*, 1934, 107: 383-94.—**Tompsett, S. L.** Studies of the complexes of iron with various biological materials. *Biochem. J.*, Lond., 1934, 28: 1802-6.—**Zeile, K.** Ueber eisenhaltige Fermente. *Naturwissenschaften*, 1941, 29: 172-81.—**Zuckermandl, F., Fleischmann, W., & Drucker, G.** Ueber die Rolle des Eisens bei der Glykolyse tierischer Gewebe. *Biochem. Zschr.*, 1934, 271: 435-8.

— 'carbonate.

Jacobson, [Pilulae ferri carbonici] *Pharm. tid.*, Kbh., 1868, 7: 38; 80; 119.—**Lyons, C. G., & Appleyard, F. N.** The determination of official preparations of iron by means of ceric sulphate: the assay of saccharated iron carbonate. *Q. J. Pharm.*, Lond., 1936, 9: 462-70. — The determination of official preparations of iron by means of ceric sulphate: assay of pill of iron carbonate. *Ibid.*, 1937, 10: 343-7.—**Neuroth, M. L., & Lee, C. O.** A history of Bland's pills. *J. Am. Pharm. Ass.*, 1941, 30: 60-3. — A study of the assay of Bland's pills and effects of various sugars upon their stability. *Ibid.*, 1966-70.—**Pilote di carbonato di ferro di Bland** *Gior. farm.*, Trieste, 1900, 5: 47.

— Chemistry.

See also subheading **Biochemistry.**

HÖLSCHER, W. *Ueber den Einfluss von Eisen auf die Methylenblaufärbung. 23p. 8°. Münster, 1933.

Ando, K. On the significance of iron in biological oxidation; the role of ferrous salt as aldehyde. *J. Biochem.*, Tokyo, 1928, 9: 187-99. — The rôle of ferrous salt as oxidoreductase for various organic substances. *Ibid.*, 201-14.—**Axelrod, J., & Swift, E. H.** The extraction of ferric iron from hydrochloric acid solutions by dichloroethyl ether and the formula of the iron compound in the ether. *J. Am. Chem. Soc.*, 1940, 62: 33-44.—**Baudisch, O.** Ueber die Wirkung verschiedener Zustandsformen des Eisens auf sein chemisches Verhalten. *Naturwissenschaften*, 1928, 16: 542-5. — & **Welo, L. A.** On the mechanism of the catalytic action of iron salts. *J. Biol. Chem.*, 1924, 61: 261-74.—**Bauer, F.** Ueber die Löslichkeitsbedingungen des Eisens in Säuren als Grundlage für die Eisenerosion im Organismus; die Löslichkeitsbedingungen des metallischen Eisens im salzsauren Magensaft. *Arch. exp. Path.*, Berl., 1931, 161: 400-18.—**Brock, J. F., & Taylor, F. H. L.** The diffusion of soluble iron compounds in vitro; the effect of acids, bases and electrolytes. *Biochem. J.*, Lond., 1934, 28: 447-55.—**Cooper, L. H. N.** Some conditions governing the solubility of iron. *Proc. R. Soc., Lond.*, 1938, ser. B, 124: 299-307.—**Eichholtz, F., & Brandes, E.** Ueber Eisenkatalysen. *Arch. exp. Path.*, Lpz., 1937, 187: 215-20.—**Eichholtz, F., & Ortega, A.** Ueber die allgemein katalytischen

Wirkungen des Eisens. *Ibid.*, 1933-34, 174: 217-22.—**Honecker, K.** Ueber Eisenkatalysen. *Ibid.*, 1933, 174: 217; 1934, 176: 40.—**Eichholtz, F., & Ungerecht, K.** Ueber Eisenkatalysen; die Aktivierung des Eisens. *Ibid.*, 1936-37, 184: 605-11.—**Eichholtz, F., & Unrath, H.** Ueber Eisenkatalysen; perorale Zufuhr. *Ibid.*, 1935, 178: 154-60.—**Handovsky, H.** Ueber die oxydationskatalytische Wirkung des Eisens. *Zschr. physiol. Chem.*, 1928, 176: 79-88.—**Liebreich, E.** Das Eisen als Wasserstoffelektrode. *Zschr. phys. Chem.*, Abt. A, 1932, 161: 97.—**Michaelis, L., & Friedheim, E.** Potentiometric studies on complex iron systems. *J. Biol. Chem.*, 1931, 91: 343-53.—**Ossicloruri di ferro emostatici**, causa della poca solubilità del sesquiossido di ferro negli acidi. *Gior. farm. chim.*, Tor., 1868, 17: 395-7.—**Paternosto, P. G.** Aluminio en reemplazo del hierro en la obtención del yoduro potásico por doble descomposición. *Rev. Fac. cienc. quim.*, La Plata, 1939, 14: 31-5.—**Paul, R., & Hilly, G.** Sur la préparation d'un fer actif et son application à la semi-hydrogénation des acétyléniques. *C. rend. Acad. sc.*, 1938, 206: 608-10.—**Rabinowitch, E., & Stockmayer, W. H.** Association of ferric ions with chloride, bromide and hydroxyl ions; a spectroscopic study. *J. Am. Chem. Soc.*, 1942, 64: 335-47.—**Ray, T. W.** A rapid means of obtaining manganese-free iron. *J. Lab. Clin. M.*, 1939-40, 25: 745-7.—**Roncera, P.** Sur le fer impur, le phénomène d'Evans est conditionné par l'état hygrométrique de l'air et la concentration de la solution saline. *Bull. Soc. chim. France*, 1936, 5. ser., 3: 2077-92.—**Samartsev, A. G.** Mechanism of iron passivation in alkaline solutions of oxidizers. *C. rend. Acad. sc. URSS*, 1942, 35: 206-9.—**Sieverts, A., Zapf, G., & Moritz, H.** Die Löslichkeit von Wasserstoff, Deuterium und Stickstoff in Eisen. *Zschr. phys. Chem.*, Abt. A, 1938-39, 183: 19-37.—**Smythe, C. V.** The mechanism of iron catalysis in certain oxidations. *J. Biol. Chem.*, 1931, 90: 251-65.—**Vogel, R.** Ueber den Einfluss verschiedener Elemente auf das System Eisen-Schwefeleisen. *Naturwissenschaften*, 1939, 27: 761-4.—**Warburg, O.** Ueber die oxydationskatalytische Wirkung des Eisens nach Handovsky. *Biochem. Zschr.*, 1928, 198: 241.—**Winter, P. K., & Moyer, H. V.** The asymmetry of the ferrous iron-dichromate titration curve. *J. Am. Chem. Soc.*, 1935, 57: 1402.—**Yamahuzi, K., So, K., & Takaisi, H.** Die Beschleunigung der Reduktionswirkung von Wasserstoffperoxyd durch Eisen. *Biochem. Zschr.*, 1941, 308: 29-36.

— Chlorine compounds.

Adrian. Delle incompatibilità farmaceutiche del percloruro di ferro, e del miglior modo di usarlo. *Gior. farm. chim.*, Tor., 1864, 13: 18-23.—**Bribosia.** De l'emploi du perchlorure de fer, et spécialement dans les anévrysmes, les varices et les tumeurs érectiles. *Presse méd. belge*, 1861-62, 14: 68; 77.—**Cosyns, H.** Etude comparée des courbes de résorption du chlorure ferreux dans différents états pathologiques. *C. rend. Soc. biol.*, 1939, 132: 472-5.—**Ellison, H. L., & Hazel, F.** Influence of concentration and age on some colloidal properties of ferric chloride solutions. *J. Phys. Chem.*, 1935, 39: 829-35.—**Evans, H. M., & Emerson, G. A.** Growth-stimulating action of ferric chloride treated wheat germ oil. *Proc. Soc. Exp. Biol.*, N. Y., 1939, 41: 170-2.—**Gramenitzki, M. J.** Ueber die Abschwächung der oxydierenden Eigenschaften des Eisenchlorids beim Erwärmen und die Regeneration derselben. *Biochem. Zschr.*, 1927, 185: 430-2.—**Guéron, J.** Effet de paroi dans l'évolution des solutions aqueuses de chlorure ferrique. *C. rend. Acad. sc.*, 1937, 204: 1195-7.—**Hedgepeth, L. L., & Potter, J. M.** Ferric chloride; practical aspects of storing and handling. *Water Works & Sewer.*, 1942, 89: Ref. Sect., 245.—**Lamb, A. B., & Jacques, A. G.** The slow hydrolysis of ferric chloride in dilute solution; the change in conductance, color and chloride ion concentration. *J. Am. Chem. Soc.*, 1938, 60: 967-81. — The slow hydrolysis of ferric chloride in dilute solution; the change in hydrogen ion concentration. *Ibid.*, 1215-25.—**Lesche, E.** Ueber die Alterung wässriger Ferriehloridlösungen. *Kolloid Zschr.*, 1930, 52: 178.—**Lyons, C. G., & Appleyard, F. N.** The determination of official preparations of iron by means of ceric sulphate; the assay of citrated ferrous chloride. *Q. J. Pharm.*, Lond., 1937, 10: 348-50.—**Menkin, V.** The effect of ferric chloride injections in experimental tuberculosis. *Science*, 1934, 79: 211-3.—**Osol, A.** Tincture of ferric chloride. *Am. J. Pharm.*, 1931, 103: 638-43.—**Rehm, P., & Winters, J. C.** The effect of ferric chloride on the utilization of calcium and phosphorus in the animal body. *J. Nutr.*, 1940, 19: 213-22.—**Smith, J. H.** Liquid ferri perchlor. fortis for impetigo and syosis barbae. *Brit. M. J.*, 1941, 2: 640.—**Snyder, R. K., & Powers, J. L.** A monograph on solution of ferric chloride. *Bull. Nat. Formulary Com. U. S.*, 1940-41, 9: 285.—**Solonoutz, O. B., & Mirova, R. A.** [Preparation of the solution of iron chloride]. *Farmatsia, Moskva*, 1939, No. 10, 18-20.—**Taylor, M. W., & Nelson, V. E.** Some observations on ferric chloride addition to the diet. *Proc. Soc. Exp. Biol.*, N. Y., 1929-30, 27: 764-6.—**Wertyporoch, E., & Kowalski, I.** Die Leitfähigkeit von Eisenchlorid in nichtwässrigen Lösungen. *Zschr. phys. Chem.*, Abt. A, 1933, 166: 205-18.

— citrate.

Ferrey, G. J. W. Iron and ammonium citrate of commerce; its composition and behaviour in certain solutions. *Q. J. Pharm.*, Lond., 1928, 1: 351-72.—**Green iron and ammonium citrates.** *J. Am. M. Ass.*, 1939, 112: 49.—**Mordechai, M.,**

Bobtelsky & Kirson, B. Décomposition catalytique de l'eau oxygénée en présence du citrate de fer. C. rend. Acad. sc., 1939, 208: 1577-9.

colloidal.

See also subheading Oxide.

Buzágh, A. Ueber eine Darstellungsmethode von kolloid-löslichem Eisenoxyd und über die Eigenschaften seiner Hydrosole. Kolloid Zschr., 1934, 66: 129-37. — **Cappell, D. F.** The late results of intravenous injection of colloidal iron. J. Path. Bact., Edinb., 1930, 33: 175-96, 3 pl. — **Freundlich, H., & Lindau, G.** Ueber den Einfluss der Wasserstoffionenkonzentration auf den Koagulationswert von Eisenoxydsol. Kolloid Zschr., 1928, 44: 198-202. — Ueber die Einwirkung von Eiweissstoffen auf Eisenoxydsol. Biochem. Zschr., 1928, 202: 236; 1929, 208: 91-111. — **Goldie, H.** Précipitation de l'hydroso d'oxyde ferrique dans les solutions de moranyl. C. rend. Soc. biol., 1934, 117: 622-4. — **Gore, V.** Liesegang'sche Ringe in nicht gelartigten Medien; periodische Koagulation verdünnter Eisenhydroxydsol. Kolloid Zschr., 1938, 82: 203-7. — **Heller, W., Kratky, O., & Nowotny, H.** La constitution des sols d'oxyde de fer. C. rend. Acad. sc., 1936, 202: 1171-3. — **Lottermoser, A., & Schmöle, G.** Ueber die Abhängigkeit des Ausfrierens von Eisenoxydhydratsol von ihrem Aufbau und von der Gefrieremethode. Kolloid Zschr., 1939, 89: 328-40. — **Neurath, H., & Pauli, W.** Ueber hochgereinigte Eisenoxydsol. Zschr. phys. Chem., Abt. A, 1932-33, 163: 351-77. — Umladung hochgereinigter Eisenoxydsol durch mehrwertige Elektrolyte. Kolloid Zschr., 1935, 70: 135-49. — **Polson, C. J.** The fate of colloidal iron administered intravenously. J. Path. Bact., Edinb., 1928, 31: 445-60, pl.; 1929, 32: 247-60, 2 pl. — **Rabinerson, A.** Viskosimetrische Untersuchungen der Struktur in Fe(OH)₃-Solen; Mitteilung, elektrolytische Sole. Acta physicochim. URSS, 1934, 1: 168-76. — **Rossi, G., & Marzari, M.** Sulle soluzioni colloidi di ferrocinario ferrioso. Zymologica, Bologna, 1927, 2: 23-38. — **Scott, J. M. D.** The structure of ferric hydroxol. Abstr. Internat. Physiol. Congr., 1929, 13. Congr., 239. — **Sorum, C. H.** Darstellung und Eigenschaften chloridfreier Eisenoxydhydratsol. Kolloid Zschr., 1932, 58: 314-25. — **Streicher, M. H.** Elimination of colloidal iron through the gastrointestinal canal. Proc. Inst. M. Chicago, 1926-27, 6: 257. Also J. Lab. Clin. M., 1928-29, 14: 605-9. — **Talenti, C.** Sindrome anafilattoica per iniezioni di ferro colloidale. Gior. med. prat., 1925, 7: 176-81.

Compounds.

SEEBODE, W. *Ueber innere Komplexsalze des Eisens [Würzburg] 31p. 21cm. Ochsenfurt, 1936.

Cathala, J., & Cluzel, J. Etude spectrophotométrique de l'hydrolyse des sels ferriques. C. rend. Acad. sc., 1936, 203: 401-3. — **Cooke, A. H., & Hull, R. A.** Experiments on iron ammonium alum in alternating fields at very low temperatures. Proc. R. Soc., Lond., 1937, ser. A, 162: 404-13. — **Inorganic and organic iron.** Lancet, Lond., 1942, 2: 44. — **Iron and iron compounds.** J. Am. M. Ass., 1940, 115: 303. — **Küster, W.** Ueber komplexe Ferrosalze. Zschr. physiol. Chem., 1926, 155: 157-85. — **Morton, C.** The hydroxy-acid complexes of iron. Q. J. Pharm., Lond., 1931, 4: 451-60. — **Saes ferrosos e saes ferriuos.** Novid. med. pharm., Porto, 1907, 12: 286.

Compounds: Halides.

See also subheading Chlorine compounds.

Beringer, G. M. Solution of iron iodide. Drug. Topics, N. Y., 1913, 28: 70. — **Cameron, H. C.** A comparison of the value of ferrous iodide administered directly and indirectly. Proc. Soc. Exp. Biol., N. Y., 1933, 30: 762-5. — **[Citromel and tartromel ferri iodati]** Pharm. tid., Kbh., 1863-64, 3: 267. — **Kelly, E. A.** Pills of ferrous iodide, assay. Bull. Nat. Formulary Com. U. S., 1940-41, 9: 251-6. — **Kolesnikov, M. A.** [On the possibility of substituting iodine by ferro-bromide in surgical practice]. Tr. Acad. mil. méd. Kiroff, 1935, 2: 171-3. — **Lissauer, J.** Ueber die zweckmässige Darreichung von Jod-Eisenpräparaten in der Kinderpraxis. Deut. med. Wschr., 1927, 53: 411. — **Magnus-Lahens.** Sulla preparazione delle pillole di ioduro di ferro e del loro inviluppo. Gior. farm. chim., Tor., 1873, 22: 491-3. — **[Preservation of syrup of ferri iodati]** Ny pharm. tid., Kbh., 1869, 1: 44.

Compounds, organic.

See also subheading Pharmacology: Preparations.

GOTTSCHEIDER, H. *Ueber innere Komplexsalze des zweiwertigen Eisens mit 1,3 Diketonen [Würzburg] 32p. 8°. Ochsenfurt, 1933.

Barbaro-Forleo, G. Studi sulla azione del ferropirrollo e di preparati pillole sulle anemie sperimentali metemorrhagiche e tossiche dei conigli e sulle anemie sperimentali da latte dei ratti. Haematologica, Pavia, 1937, 18: 35-68. — **Bardel.** Sur les préparations d'acétate de fer destinées à l'usage médical. J. chim. méd. Par., 1869, 5. sér., 5: 398-403. — **Beccari, E.**

Osservazioni farmacologiche sul ferro-tri- α - α -dipiridile; tossicità generale. Boll. Soc. ital. biol. sper., 1938, 13: 6-8. — **Breuil, R. E.** Complexes de sels ferreux avec l'éthylène-diamine ou la triméthylènediamine. C. rend. Acad. sc., 1934, 199: 298-300. — **Emmert, B., & Seebode, W.** Ueber Alkoholate innerkomplex gebundenen dreiwertigen Eisens. Ber. Deut. chem. Ges., 1938, 71: Abt. B, 242-5. — **Fleischhacker, H., & Schürer-Waldheim, F.** Zur peroralen und intravenösen Therapie mit ascorbinsaurem Eisen. Wien. klin. Wschr., 1938, 51: 776-80. — **François, M.** L'oxalate ferreux officinal doit-il être hydraté ou anhydre. J. pharm. chim., Par., 1926, 8. ser., 4: 433-55. — **Graffunder, W., & Heymann, E.** Dielektrizitätskonstante und Dipolmoment von Eisenpentacarbonyl. Zschr. phys. Chem., Abt. B, 1931-32, 15: 377-82. — **Harrar, N. J., & Germann, F. E. E.** A study of organic-acid iron solutions; complex-colloid equilibrium. J. Phys. Chem., 1932, 36: 688-95. — **Husa, W. J., & Klotz, L. J.** The stabilization of solution of iron and ammonium acetate. U. S. P. X. J. Am. Pharm. Ass., 1935, 24: 125-8. — **Jacobsen, A.** [On solutio subacetatis ferri Ph. Dan.] Ny pharm. tid., Kbh., 1874, 6: 353-8. — **Mankiewicz, G.** [Solutio subacetatis ferri] Ibid., 1877, 9: 283. — **Richards, C. E., & Walker, E. V.** On skin structure of carbonyl iron. Nature, Lond., 1941, 148: 409. — **Ruspini, G.** Preparazione del valerianato di ferro. Mein. med. contemp., Venez., 1846, 15: 31-4. — **Salkowski, E.** Ueber das Verhalten des jodparaneleinsäuren Eisens im Organismus. Biochem. Zschr., 1913, 49: 152-64. — **Suthon.** Sur le valériate de fer. J. chim. méd., Par., 1866, 5. sér., 2: 600. — **Vitali, D.** Sull'uso terapeutico dell'ossalato di ferro. Gior. farm. chim., Tor., 1875, 24: 340-3. — **Warburg, O., & Negelein, E.** Ueber die photochemische Spaltung einer Eisencarbonylverbindung und das photochemische Äquivalentgesetz. Naturwissenschaften, 1928, 16: 387. — **Weinland, R., & Engel, L.** Ueber pyridinhaltige Ferriormate (nebst einem Anhang über ein Ferriehlorid-(bromid-)Formiat) Arch. Pharm., Berl., 1926, 264: 33-45. — **Yap, C. P.** The rôle of surface energy on the equilibria of iron and iron carbide. In Colloid Chem. (Alexander, J.) N. Y., 1931, 3: 463-72.

Corrosion.

See also such headings as Heating, Corrosion, Corrosion of apparatus; Water pipe, Corrosion, etc.

Friend, J. N. The colloids and the corrosion of iron. In Colloid Chem. (Alexander, J.) N. Y., 1931, 3: 477-90. — **Tomashov, N. D.** Cathodic processes at an iron electrode under the conditions of corrosion with oxygen depolarization. C. rend. Acad. sc. URSS, 1941, 32: 203-5. — **Whitman, W. G.** Corrosion of iron. Chem. Rev., Balt., 1925-26, 2: 419-35.

Cyanide compounds.

See also Cyanic acid; Cyanide.

Barnard, R. D. Fulminate-ferriocyanide reagent; with a note on a color reaction for the fulminates. J. Lab. Clin. M., 1938-39, 24: 649. — **Baudisch, O.** Ueber den Einfluss koordinativ gebundener Gruppen auf die Eigenschaften des zentralen Eisenatoms in Eisencyanverbindungen. Biochem. Zschr., 1931, 232: 35-49. — **Cole, S. W.** The determination of reducing sugars by titration of ferriocyanide. Biochem. J., Lond., 1933, 27: 723-6. — **Edwards, J. G., & Langley, W. D.** The micro-determination of ferriocyanide in muscle and urine. J. Biol. Chem., 1935-36, 112: 469-75. — **Evans, B. S.** An improved method for the conversion of large amounts of iron into ferriocyanide; improved precipitation of vanadium ferriocyanide. Analyst, Lond., 1942, 67: 355. — **Haas, E.** Manometrische Mikrotitration mit Ferrieyanid. Biochem. Zschr., 1937, 291: 79. — **Keggin, J. F., & Miles, F. D.** Structures and formulae of the Prussian blues and related compounds. Nature, Lond., 1936, 137: 377. — **Kirckhoff, Prussiat of iron.** Month. J. Foreign Med., 1828, 1: 87. — **Michaelis, L., & Smythe, C. V.** The pentacyano-aquo complexes of iron. Stud. Rockefeller Inst. M. Res., 1938, 107: 15-25. — **Miller, B. F., & Winkler, A.** The ferriocyanide clearance in man. J. Clin. Invest., 1936, 15: 489-92. — **Paris, R.** Etude thermochimique de la précipitation des ferriocyanures insolubles. C. rend. Acad. sc., 1934, 199: 863-5. — **Pilati, L.** Comportamento dei ferriocinuri insolubili nella putrefazione delle sostanze organiche. Boll. chim. farm., 1937, 76: 471-3. — **Righini.** Idroferrocianato di ferro. Filiale sebezio, Nap., 1838, 15: 269. — **Scheminzy, F.** Zur Physiologie der Traubesehen Ferrozinkkupferzelle. Protoplasma, Lpz., 1938, 31: 68-97. — **Schlesinger, H. I.** Ferrie thiocyanate. J. Am. Chem. Soc., 1941, 63: 1765-7. — **Storfer, E.** Indicación del ferriocinuro por un método muy sensible en la vía de puntear. An. Univ. Santo Domingo, 1939, 3: 359-64. — **Teramoto, S.** Ueber den Einfluss der Eiweissfällungsmittel auf das Ferrieyan-Ferroyan Oxydations- und Reduktionspotential. Okayama igakkai zasshi, 1934, 46: 2920. — **Weiser, H. B., Miligan, W. O., & Bates, J. B.** The isothermal dehydration of heavy-metal iron cyanides. J. Phys. Chem., 1941, 45: 701-6.

Determination.

Bestimmung von Eisen. In Untersuch. Arzneispez. (Internat. Apoth. Bund) 2. Ausg., Amst., 1938, 58. — **Chatterjee, K. C.** Determination of ferric iron in pharmacopoeial preparations by the mercurous nitrate method. Analyst, Lond., 1942, 67: 257-9. — **Chugaev, L. A., & Orelkin, B. P.** [New iron-sensitive reaction and its colorimetric estimation] J. Russ.

fiz. khim. obsch., khim. ch., 1914, 46: 1874-6.—**Das Gupta**, J. Micro-determination of ferrous and ferric iron in minerals. Analyst, Lond., 1942, 67: 74 (Abstr.).—**Dominici**, G. Sul dosaggio del ferro. Pol. clin. chim., Bologna, 1928, 3: 65-82.—**Ferrey**, G. J. W. Notes on the determination of ferrous iron in pharmaceutical preparations. Q. J. Pharm., Lond., 1937, 10: 351-6.—**Flcury**, P., & **Harlay**, M. Application de l'action réductrice de l'oxyde cuivreux au dosage des sels ferriques. J. pharm. chim., Par., 1938, 8. ser., 27: 513-23.—**Frying**, C. F., & **Tooley**, F. V. Formation of hydrogen peroxide in the silver reductor; a micro-analytical method for iron. J. Am. Chem. Soc., 1936, 58: 826-31.—**Jolles**, A. Il ferrometro, colorimetro per la ricerca quantitativa del ferro per scopo clinico. Gior. farm., Trieste, 1897, 2: 137-9.—**Ferrometro clinico modificato**. Ibid., 1900, 5: 12-5.—**Koenig**, R. A., & **Johnson**, C. R. Spectrophotometric determination of iron; use of mercaptoacetic acid. J. Biol. Chem., 1942, 142: 233-8.—**Spectrophotometric determination of iron; use of 2,2-bipyridine**. Ibid., 143: 159-63.—**Lavallay**, J. Micro- et submicrodosage colorimétrique du fer. Bull. Soc. chim. biol., Par., 1935, 17: 432-8.—**Lisci**, F. Procedimiento para la dosificación colorimétrica del hierro por el sulfocianuro de potasio. An. Inst. méd. nac., Méx., 1908, 10: 269-71.—**Lorber**, L. Einfache mikro-kolorimetrische Eisenbestimmungsmethode. Biochem. Zschr., 1927, 181: 391-4. Also Gyógyászat, 1927, 67: 106-8.—**M. F. W.** Iron in sewage. Sewage Works J., 1941, 13: 997.—**Morton**, C., & **Harrod**, D. C. The assay of saccharated iron compounds. Q. J. Pharm., Lond., 1936, 9: 480-4.—**Moss**, M. L., & **Mellon**, M. G. Colorimetric determination of iron with kojic acid. Analyst, Lond., 1942, 67: 114 (Abstr.).—**Paviot**, J., **Chevallier**, R., & **Revol**, L. Nouveau procédé colorimétrique de dosage de minimes quantités de fer. C. rend. Soc. biol., 1928, 99: 1749.—**Penman**, J. C., & **Hopper**, T. H. An iodimetric method for the determination of iron in Easton's and Parrish's syrups. Pharm. J., Lond., 1938, 87: 297.—**Pereira**, R. S. A new photometric method for the determination of iron. J. Biol. Chem., 1941, 137: 417-28.—**Perlzwieg**, W. A., & **Gies**, W. J. An alleged improvement of the ferric chlorid method for the determination of sulfoeyanate. Biochem. Bull., N. Y., 1915, 4: 206.—**Runge**, P. Die massanalytische Gehaltsbestimmung der Eisenpräparate des DAB. 6. Deut. Apoth. Ztg., 1941, 56: 63.—**Scott**, R. O. The colorimetric estimation of iron with sodium salicylate. Analyst, Lond., 1941, 66: 142-8.—**Scott**, W. W. Colorimetric methods for the determination of small amounts of iron. In his Standard Meth. Chem. Analysis, 5. ed., N. Y., 1939, 486-8.—**Sinohara**, K. Micro-determination of iron by means of Pulfrich's photometer. J. Biochem., Tokyo, 1939, 29: 57-79.—**Thornton**, W. M., jr., & **Roseman**, R. The estimation of iron in the presence of titanium; an aeration process. J. Am. Chem. Soc., 1935, 57: 619-21.

Determination, qualitative.

KOSTERLITZ, H. [W.] *Zur Frage der Charakterisierung aktiver Eisenverbindungen durch die Benzidinreaktion [Berlin] p.807-24. 8°. Berl., 1929.

Also Zschr. ges. exp. Med., 1929, 65:

Langford, O. E., & **Kiehl**, S. J. A study of the reaction of ferric ion with orthophosphate in acid solution with thiocyanate as an indicator for ferric ions. J. Am. Chem. Soc., 1942, 64: 291-6.—**Lyons**, E. Thioglycolic acid as a color test for iron. Ibid., 1927, 49: 1916-20.—**Mühlmann**, M., & **Seemel**, I. Hämatoxilin als Reagens auf Eisen. Virehows Arch., 1928, 269: 682-4.—**Rossi**, L., **Lanaro**, C., & **Lusin**, I. Nuevo procedimiento para reconocer el cation cobaltoso en presencia del cation férrico en la reacción de Vogel. Prensa méd. argent., 1938, 25: pt 2, 1425.—**Vanossi**, R. Detection of the ferric ion by means of thiocyanate. Analyst, Lond., 1941, 66: 508. Also An. farm. bioquím., B. Air., 1941, 12: Suppl., 81-3.

Determination—in biological material.

See also Blood chemistry, Iron: Determination.

Barkan, G. Vereinfachtes Verfahren zur Bestimmung des leicht abspaltbaren Bluteisens, besonders des Serum- beziehungsweise Plasmaeisens. Klin. Wschr., 1937, 16: 300-2.

— & **Walker**, B. S. Determination of serum iron and pseudohemoglobin iron with o-phenanthroline. J. Biol. Chem., 1940, 135: 37-42.—**Breuer**, R., & **Miltzer**, W. E. A micro-method for the determination of iron in blood. Ibid., 1938, 126: 561-6.—**Bræchner-Mortensen**, K., & **Olsen**, C. [Colorimetric method for determination of iron in serum] Nord. med., 1940, 8: 2502-6.—**Colorimetric method for the estimation of iron in serum with a study of the serum iron in normal persons**. Nutrit. Abstr., Aberdeen, 1941-42, 11: 182.—**Brückmann**, G., & **Zondek**, S. G. An improved method for the determination of non-hemin iron. J. Biol. Chem., 1940, 135: 23-30.—**Courty**, C. Le microdosage magnétique du fer et son application à la biologie. Bull. Soc. chim. France, 1937, 5. ser., 4: Mém., 311-25.—**Détermination du fer dans les milieux biologiques**. Biol. méd., Par., 1940, 30: 89-120.—**Dominici**, G. La determinazione quantitativa del ferro nell'orina in condizioni normali e patologiche. Arch. sc. med. Tor., 1929, 53: 273-87.—**Elvehjem**, C. A. A note on the determination of iron in milk and other biological materials. J. Biol.

Chem., 1930, 86: 463-7.— & **Hart**, E. B. Iron in nutrition; quantitative methods for the determination of iron in biological materials. Ibid., 1926, 67: 43-51.—**Farrar**, G. E., jr. The determination of iron in biological materials. Ibid., 1935, 109: Proc. p. xxxi; 1935, 110: 685-94.—**Ferrey**, G. J. W. The determination of ferrous iron in presence of organic matter by Heigis's method. Q. J. Pharm., Lond., 1935, 8: 314-50.—**Fowweather**, F. S. Plasma iron. Lancet, Lond., 1942, 1: 154.—**Harris**, P. L., & **Poland**, G. L. A note on the bioassay technique for determining available iron in foods. Food Res., 1938, 3: 383-8.—**Hill**, R. A method for the estimation of iron in biological material. Proc. R. Soc., Lond., 1930, ser. B, 107: 205-14.—**Horsters**, H. Zur Frage der quantitativen Eisenbestimmung in Organen und Körperflüssigkeiten. Biochem. Zschr., 1931, 232: 469-78.—**Horwitz**, M. K. The titrimetric microestimation of iron in biological materials. J. Biol. Chem., 1934, 105: Proc. p. xli.—**Iokhelson**, D. B. [New method of determining iron in the blood] J. Physiol. USSR, 1937, 22: 236-8.—**Jolles**, A. Un metodo di ricerca quantitativa del ferro nel sangue per scopo clinico. Gior. farm., Trieste, 1897, 2: 33-8.—**Josephs**, H. H., & **Winocur**, P. Sobre el hallazgo de hierro no hemoglobínico en la sangre total; resumen. Arch. argent. pediat., 1939, 12: 621-3.—**Klump**, T. G. The determination of iron in biological materials. J. Biol. Chem., 1934, 107: 213-23.—**Kremer**, J. Zum mikrochemischen Eisennachweis im Leber- und Milzpigment der Kaltblüter. Zschr. wiss. Mikr., 1937-38, 54: 429-32.—**Lago Cucciro**, F. La técnica de Reis y Chakmakian para la determinación del hierro sanguíneo. Rev. san. Madr., 1933, 8: 501-3.—**Lederer**, J., & **de Maesschalck**, A. Le dosage du fer sérique. Arch. internat. méd. exp., Liège, 1938, 13: 385-93.—**Marenzi**, A. D., & **Lida**, E. Determinación del hierro total de la sangre con el fotómetro de Pulfrich; aplicación del método de Wong. An. farm. bioquím., B. Air., 1939, 10: 12-6.—**Meyer**, R. Funkenspektroskopischer Nachweis des Eisens in tierischem Gewebe (Untersuchung der Leber von Salamandra maculosa). Protolasma, Lpz., 1934, 22: 34-43.—**Mislowitzer**, E., & **Schaefer**, W. Die Elektrotitration in physiologischen Flüssigkeiten; die Bestimmung von Eisen. Biochem. Zschr., 1926, 168: 203-16.—**Moore**, C. V., **Arrowsmith**, W. R. [et al.] Studies in iron transportation and metabolism; chemical methods and normal values for plasma iron and easily split-off blood iron. J. Clin. Invest., 1937, 16: 613-26.—**Niederhäusern**, A. de, & **Ferrarini**, E. Dosaggio fotometrico del ferro nel sangue e nei tessuti coll'acido solfosalicilico. Boll. Soc. ital. biol. sper., 1937, 12: 229. Also Diagn. tecn. lab., Nap., 1938, 9: 94-106.—**Paula Santos**, O. de. Da aplicação do método de Wong à dosagem do ferro nas plantas. Brasil med., 1934, 48: 199.—**Paulais**, R. Microdosage colorimétrique du fer; application à l'analyse des substances biologiques. C. rend. Acad. sc., 1938, 206: 783-5.—**Pereira**, R. S. Novo método para a determinação do ferro sérico. Rev. brasil. biol., 1941, 1: 271-7.— & **Costa**, A. Determinação fotométrica do ferro nas fezes por meio do método do ácido protocatéico. Rev. Fac. med. vet. Univ. S. Paulo, 1941-42, 2: No. 2, 67-70.—**Poli**, E. Determinazione polarografica del ferro nei liquidi biologici. Diagn. tecn. lab., Nap., 1940, 11: 1-12.—**Roman**, W. Eine Methode zur Bestimmung von Ferri-Ionen, Ferro-Ionen und organisch gebundenem Eisen in biologischem Material. Biochem. Zschr., 1931, 231: 54-8.—**Rose**, A. R., **Exton**, W. G., & **Blacker**, C. A method for determining iron in biological materials. Proc. Am. Soc. Biol. Chem., 1932-34, 8: p. lxxiii.—**Schaefer**, K. H. Die Bestimmung des Eisens in biologischem Material, insbesondere des Nüchthämoglobineisens in geringen Organmengen durch Phenanthrolin als Indikator. Biochem. Zschr., 1940, 304: 417-24.—**Schmidt**, H. G. Untersuchungen über die Eisen-Phenanthrolin-Verbindung; ein Beitrag zur Methodik der Serum-eisenbestimmung. Ibid., 305: 104-8.—**Svedenius**, G. Methode gravimétrique pour le dosage du fer dans les substances organiques. Acta paediat., Upps., 1929, 9: 1-8.—**Taylor**, F. H. L., & **Broek**, J. F. A macro-method for the determination of iron in biological material by a modified permanganate titration. Biochem. J., Lond., 1934, 28: 442-6.—**Thorp**, R. H. A method for the micro-estimation of iron in biological materials. Ibid., 1941, 35: 672-5.—**Tompsett**, S. L. Thiolaetic acid as a reagent for the determination of the inorganic iron content of certain biological materials. Ibid., 1934, 28: 1536-43.—**Vonesch**, E. E. Determinación del hierro total de la sangre mediante la reacción cromática del azul de Prusia; aplicación del fotómetro Leifo. An. farm. bioquím., B. Air., 1939, 10: 124-9.—**Aplicación del fotómetro Leifo a la determinación del hierro total de la sangre mediante el ácido salicílico**. Ibid., 1940, 11: 1-7.—**Vonkennel**, J., & **Tilling**, T. Eisenbestimmung im Liquor. Klin. Wschr., 1940, 19: 177-81.—**Wallgren**, A. Le fer dans la nutrition de l'enfant; méthode pour le dosage des petites quantités de fer dans les substances organiques. Rev. fr. pédiat., 1931, 7: 596-606. Also Upsala läk. fören förh., 1931, n. f., 36: 329-38.

Histology, and histochemistry.

See also subheading Siderosis.

Anson, M. L., & **Mirsky**, A. E. Heme and tissue iron. J. Gen. Physiol., 1928-29, 12: 401-5.—**Austoni**, M. E., **Rabinovitch**, A., & **Greenberg**, D. M. The iron content of the tissues of normal, anemic, and iron-enriched rats freed from blood by vivisection. J. Biol. Chem., 1940, 134: 17-26.—**Bocker**, P. Untersuchungen über das Vorhandensein darstellbaren Eisens in der Leber und Milz von Föten und Neugeborenen. Zbl. allg. Path., 1927-28, 41: 193-9.—**Borgen**, D. R.,

- & Elvehjem, C. A. Factors affecting the determination of inorganic iron in animal tissues. *J. Biol. Chem.*, 1937, 119: 725-34.—**Cordier & Enselme**. Le fer tissulaire en biologie et en pathologie. *Lyon méd.*, 1940, 164: 7.—**D'Amico, D.** I metodi istochimici per la identificazione dell'elemento ferro nei tessuti animali. *Pathologica*, Genova, 1926, 18: 542-54.—**Dieterle, R. R.** A modification of MacCallum's hematoxylin method for iron. *Arch. Path., Chic.*, 1930, 10: 740.—**Elvehjem, C. A., & Peterson, W. H.** The iron content of animal tissues. *J. Biol. Chem.*, 1927, 74: 433-41.—**Fontès, G., & Thivolle, L.** Nouvelle méthode de minéralisation totale et de microdosage molybdo-manganométrique du fer des tissus. *C. rend. Soc. biol.*, 1923, 89: 587.—**Gömöri, G.** Microtechnical demonstration of iron; a criticism of its methods. *Am. J. Path.*, 1936, 12: 655-63, pl.—**Humphrey, A. A., & Post, L. Y.** Dinutroresorcinol, a new specific stain for iron in tissues. *Arch. Path., Chic.*, 1935, 20: 256-8.—**Keeser, F.** Eisengehalt und Widerstandsfähigkeit des Organismus gegen Blausäure und Schwefelwasserstoff. *Arch. exp. Path., Lpz.*, 1930, 156: 340-5.—**Kennedy, R. P.** The quantitative determination of iron in tissues. *J. Biol. Chem.*, 1927, 74: 385-91.—**Kozima, K.** Das Eisen in normalen und pathologischen Geweben und seine biologische Bedeutung; Beobachtung über den Eisengehalt in den Organen von verschiedenen Tierklassen. *Nagoya J. M. Sc.*, 1930, 5: 34-48.—**Marza, V. D., Marza, E., & Chisoa, I.** Etude histochemique du fer dans l'ovaire de poule. *Bull. histol. appl., Par.*, 1932, 9: 213.—**Meyer, R.** Ueber den histologischen Nachweis von Eisen in normalen Leberzellkernen. *Zschr. mikr. anat. Forsch.*, 1934, 35: 51-28.—**Mühlmann, M.** Hamatoxylin als Reagens auf Eisen (über Lipoidsiderose) *Virehows Arch.*, 1927-28, 266: 697-711.—**Neuweiler, W.** Sur l'apport en éléments ferriques dans le foetus. *Gyn. obst., Par.*, 1939, 40: 315-21.—**Okamoto, K.** Ueber das Gewebeeisen. *Tr. Soc. path. jap.*, 1934, 24: 159. Also *Acta Scholae med. Univ. Kioto*, 1937-38, 20: 413-560, 3 pl.—**Kita, T.** Ueber das Gewebeeisen. *Tr. Soc. path. jap.*, 1935, 25: 271-3.—**Ostenstein, B.** Ueber Katalase- und Eisenuntersuchungen im Haudtialsat. *Zschr. ges. exp. Med.*, 1933, 87: 193-9.—**Piëry & Enselme**. Le fer tissulaire en hydrologie et en climatologie. *Lyon méd.*, 1940, 164: 22-6.—**Predaroli, T.** Importanza e risultati della sistematica applicazione macroscopica a fresco dei metodi di Perle e di Turnbull sui vari organi e tessuti dell'uomo, con particolare riguardo al fegato ed alla milza; il ferro nei testicoli. *Arch. ital. anat. pat.*, 1935, 6: 251-312.—**Salvadei, A.** Ricerche sul contenuto di ferro nei diversi organi infantili. *Pediat. prat., Mod.*, 1931, 8: 8-12.—**Smythe, C. V., & Miller, R. C.** The iron content of the albino rat at different stages of the life cycle. *J. Nutrit.*, 1928-29, 1: 209-16.—**Stoeltzner, W.** Eine einfache panoptische Methode des histologischen Eisennachweises. *Zbl. allg. Path.*, 1919, 30: 225.—**Thomas, J. A., & Lavallay, J.** Une réaction histochemique du fer à la 8-hydroxyquinoline. *Bull. histol. appl.*, Lyon, 1935, 12: 400-2.
- Metabolism.**
- IMHOLZ, A.** *Die Beziehungen des Reticuloendothels zum Umsatz des Nichteiseneisens [Bern] 25p. 23cm. St. Gallen, 1941.
- Albers, H.** Die Bedeutung des mütterlichen Eisenstoffwechsels für das Kind. *Münch. med. Wschr.*, 1941, 88: 972.—**Anderson, H. D., McDonough, K. B., & Elvehjem, C. A.** Relation of the dietary calcium-phosphorus ratio to iron assimilation. *J. Lab. Clin. M.*, 1939-40, 25: 464-71.—**Austoni, M. E., & Greenberg, D. M.** Studies in iron metabolism with the aid of its artificial radioactive isotope. *J. Biol. Chem.*, 1940, 133: Proc., 4: 134: 27-41.—**Barkan, G.** Thorotrastspicherung und Eisenstoffwechsel. *Klin. Wschr.*, 1933, 12: 1658.—**Reticuloendothel und Eisenstoffwechsel.** *Ibid.*, 1938, 17: 671.—**Schales, O.** Chemischer Aufbau und physiologische Bedeutung des leicht abspaltbaren Bluteisens. *Zschr. physiol. Chem.*, 1937, 248: 96-116.—**Bing, F. C.** Iron metabolism. In *Cyclop. Med. (Piersol-Bortz) Phila.*, 1939, 10: 134-7.—**Brock, J.** Anhang: Der Eisenstoffwechsel. In *Biol. Daten Kinderarzt (J. Brock) Berl.*, Bd. 3 1939, 161-72.—**Brock, J. F., & Hunter, D.** The fate of large doses of iron administered by mouth. *Q. J. Med., Lond.*, 1937, 6: 5-16.—**Brüchner-Mortensen, K.** Om jernstofskeft. *Bibl. laeger*, 1941, 133: 361-400.—**C., P. W.** The absorption and excretion of iron. *Ann. Int. M.*, 1940-41, 14: 930-3.—**Chumi, H.** Fortgesetzte Untersuchungen über die Beziehungen von Milz und Schilddrüse zum Eisenstoffwechsel. *Biochem. Zschr.*, 1932, 251: 418.—**Dominici, G.** Ricerche sul ricambio del ferro. *Gior. Acad. med. Torino*, 1928, 91: 321-6.—**Eccentricities of iron.** *Lancet, Lond.*, 1940, 2: 365.—**Fontès, G., & Thivolle, L.** Bilan du fer chez le chien normal. *C. rend. Soc. biol.*, 1932, 109: 909-11.—**Fowler, W. M., & Barer, A. P.** The retention and utilization of parenterally administered iron. *Annual Meet. Centr. Soc. Clin. Res.*, 1937, 10: 51 (Abstr.)—**Haam, E.** Zur Frage des Einflusses der Milz auf den Eisenstoffwechsel. *Zschr. ges. exp. Med.*, 1930, 73: 83-91.—**Hahn, P. F.** The metabolism of iron. *Medicine, Balt.*, 1937, 16: 249-66.—**Henriques, V., & Okkels, H.** Histochemische Untersuchungen über das Verhalten verschiedener Eisenverbindungen innerhalb des Organismus. *Biochem. Zschr.*, 1929, 210: 198-225.—**Henriques, V., & Roland, H.** Zur Frage des Eisenstoffwechsels. *Ibid.*, 1928, 201: 479-85.—**Hirsch, G. C., & Bretschneider, L. H.** Der intraplasmatische Stoffwechsel in den Darmzellen von *Ascaris lumbricoides*; die Adsorption von Eisen und die Beteiligung der Golgikörper dabei. *Protoplasma, Lpz.*, 1937-38, 29: 9-30.—**Inoue, S.** Biological investigation of iron metabolism. *Jap. J. Obst.*, 1932, 15: 53-69.—**Iwao, T., & Kurihara, M.** The microchemical investigation of the iron absorbed from the intestinal canal. *Tr. Soc. path. jap.*, 1933, 23: 196-8.—**Joseph, H. W., & Winocur, P.** Sobre el hallazgo del hierro no hemoglobínico en la sangre total. *Prensa méd. argent.*, 1940, 27: pt 1, 263-71.—**Katunama, S., & Nakamura, H.** Distribution of iron in animal tissues. *Nagoya J. M. Sc.*, 1932, 6: 101-6.—**Kletzien, S. W.** Iron metabolism; the role of calcium in iron assimilation. *J. Nutrit.*, 1940, 19: 187-97.—**Kosugi, T., & Umeda, K.** [et al.] Zur Morphologie des Eisenstoffwechsels. *Tr. Jap. Path. Soc.*, 1931, 21: 66-9; 1932, 22: 129-33; 1933, 23: 203-5; 1935, 25: 273-6.—**Kuthan, S.** [Significance of iron metabolism in the human body] *Cas. lék. česk.*, 1941, 80: 325-9.—**Lauda, E.** Bemerkungen zur Beiträge zur Physiologie der Drüsen, von Leon Asher, und Untersuchung über den Eisenstoffwechsel in seiner Abhängigkeit von Milz und Ovarien, von Yuzuru Tominaga. *Wien Arch. inn. Med.*, 1926, 13: 159-92.—**Haam, E.** Zur Frage des Einflusses der Milz auf den Eisenstoffwechsel. *Zschr. ges. exp. Med.*, 1927, 58: 322-9; 1928, 62: 137-40.—**Die Beziehungen der Milz zum Eisenstoffwechsel.** *Erg. inn. Med. Kinderh.*, 1931, 40: 750-813.—**Lintzel, W.** Zur Frage des Eisenstoffwechsels; Eisen und Blutfarbstoffbildung. *Zschr. Biol.*, 1927-28, 87: 97-106.—**Neure Ergebnisse der Erforschung des Eisenstoffwechsels.** *Erg. Physiol.*, 1931, 31: 844-919.—**Lucas, G. H. W., & Summerfeldt, P.** The absorption and utilization of iron salts. *Canad. M. Ass. J.*, 1935, 40: 588-91.—**McCance, R. A., & Widdowson, E. M.** Absorption and excretion of iron. *Lancet, Lond.*, 1937, 2: 680-4.—**The absorption and excretion of iron following oral and intravenous administration.** *J. Physiol., Lond.*, 1938, 94: 148-54.—**Marr, W. L.** Iron metabolism. *Med. Rec., Houston*, 1941, 35: 175-7.—**Meinert, J.** Ueber den Eisenstoffwechsel. *Zbl. ges. Physiol. Path. Stoffwechs.*, 1907, n. F., II, 652: 689.—**Messini, M.** Veränderung der löslichen Ferrisalze im Organismus. *Arch. exp. Path., Lpz.*, 1928, 135: 346-61.—**Moore, C. V.** Present concepts of iron metabolism and their clinical implications. *Washington Univ. M. Alumni Q.*, 1940, 3: 124-33.—**Arrowsmith, W. R.** Iron transportation and metabolism; absorption of iron from the gastro-intestinal tract and its disappearance from the blood stream. *J. Am. M. Ass.*, 1938, 110: 685.—**Neue Untersuchungen über Eisenstoffwechsel.** *Schweiz. med. Wschr.*, 1941, 71: 568.—**Nicolayens, R.** [Resorption and excretion of iron in normal physiological behaviour] *Norsk. mag. laegevid.*, 1935, 96: 842-54.—**Nordfeldt, S.** Iron metabolism in the rat. *Skand. Arch. Physiol., Berl.*, 1939-40, 83: 7-38.—**Okkels, H.** Sur la disposition particulière du fer dans les organes parenchymateux après injection intraveineuse de diverses combinaisons ferrugineuses. *Bull. histol. appl., Par.*, 1929, 6: 321-37.—**Oppenheimer, E.** Neue chemische und physikalische Studien zum Mineral-, insbesondere zum Eisenstoffwechsel. *Klin. Wschr.*, 1926, 5: 76.—**Osaso, S., Huzita, R., & Asizawa, T.** Studien über Eisenstoffwechsel (weitere Mitteilung) *Jap. J. M. Sc.*, 1936-38, 4: Proc. Int. Med., 336.—**Overbeek, G. A.** The influence of thyroid and pituitary on the iron content of the blood serum. *Acta brev. neerl.*, 1941, 11: 70-2.—**Sato, M.** Ueber das siderofere System der verschiedenen Tierarten. *Tr. Jap. Path. Soc.*, 1931, 21: 63-6.—**Schneider, R.** Verbreitung und Bedeutung des Eisens im animalischen Organismus. *Sitzber. Preuss. Akad. Wiss., phys. math. Kl.*, 1922, 294-8.—**Schwartz, L.** Zur Frage der Eisenspeicherung und des Eisenstoffwechsels. *Verh. Ges. inn. Med.*, 1928, 40. Kongr., 604-32.—**Experimenteller morphologischer und chemischer Beitrag zum Eisenstoffwechsel.** *Vichows Arch.*, 1930-31, 279: 334-69.—**Siderocytes and the iron cycle.** *Lancet, Lond.*, 1941, 2: 195.—**Starkenstein, E.** Die intermediären und terminalen Produkte des Eisenstoffwechsels. *Abstr. Internat. Physiol. Congr.*, 1929, 13. Congr., 256.—**Ueber den intermediären Eisenstoffwechsel.** *Zschr. ges. exp. Med.*, 1929, 68: 425-40.—**Der Kreislauf des Eisens im Organismus.** *Naturwissenschaften*, 1930, 18: 875-9.—**Weden, H.** Ueber das anorganische Eisen des Organismus. *Arch. exp. Path., Lpz.*, 1928, 134: 274-87.—**Ueber das Schicksal des anorganischen Eisens in überlebenden Organen.** *Ibid.*, 288-99.—**Ueber das Schicksal des anorganischen Eisens im Organismus nach Zufuhr einfacher anorganischer Ferro- und Ferriverbindungen.** *Ibid.*, 300-16.—**Ueber das Schicksal des Eisens im Organismus nach Zufuhr von komplexen Verbindungen mit anorganisch und organisch gebundenem Eisen.** *Ibid.*, 1930, 150: 354-80.—**Summerfeldt, P.** Absorption and utilization of iron. *Am. J. Dis. Child.*, 1935, 49: 820.—**Utilization of iron.** *Ibid.*, 1936, 52: 1280.—**Transport (The) of iron.** *Brit. M. J.*, 1938, 1: 455.—**Waldenström, J.** Iron and epithelium; some clinical observations. *Acta med. scand.*, 1938, 96: Suppl. 90, 380-405.—**Walker, B. S., & Fitz, R.** Clinical observations on blood iron. *Ann. Int. M.*, 1940-41, 14: 263-76.—**Wallbach, G.** Experimentelle Untersuchungen über die Verteilung und Ablagerung einiger medikamentöser Eisenpräparate. *Zschr. ges. exp. Med.*, 1931, 75: 353-77.—**Der mikroskopisch ersichtliche endogene Eisenstoffwechsel.** *Klin. Wschr.*, 1932, 11: 353-6.—**Die Histologie und Chemie des Eisenstoffwechsels in vergleichender**

Betrachtung; über die Berechtigung einer formalen Untersuchung des exogenen Eisenstoffwechsels. Zschr. ges. exp. Med., 1932, 83: 641.

Metabolism: Absorption.

GÖBEL, H. *Resorptionsgeschwindigkeiten intravenös zugeführter Eisenverbindungen bei normalem und aktiviertem reticuloendotheliales System. 24p. 8°. Frankf. a. M., 1934.

RATHNOW, H. D. *Über das Verhalten des Eisens der Nahrung während der Pansenverdauung des Schafes. 31p. 21cm. Münch., 1938.

SCHUEBERT, A., & BRÜGGEMANN, J. Ueber Eisenresorption bei Ileumfistelhunden. p.[171]-8. 8°. Lpz., 1935.

A., W. C. The absorption and excretion of iron by the intestine. Am. J. Digest. Dis., 1940, 7: 255.—**Arrowsmith, W. R., & Minnich, V.** Site of absorption of iron from the gastro-intestinal tract. J. Am. M. Ass., 1941, 116: 2427.—**Balfour, W. M.** Factors regulating the absorption of iron in dogs as measured with the radioactive isotope. Am. J. Pathol., 1941, 17: 438.—**Cosyns, H.** Etude comparée des courbes de resorption des sels ferreux et des sels ferriques. C. rend. Soc. biol., 1939, 130: 786-8.—**Fowler, W. M., Barer, A. P., & Spielhagen, G. F.** Retention and utilization of small amounts of orally administered iron. Arch. Int. M., 1937, 59: 1024-8.—**Fürth, O., & Scholl, R.** The absorption of ferrous and ferric compounds from the intestines of rabbits. J. Pharm. Exp. Ther., 1936, 58: 14-32.—**Heilmeyer, L., & Koch, H.** Eisenstoffwechseluntersuchungen; Untersuchungen über die Eisenresorption unter normalen und pathologischen Verhältnissen. Deut. Arch. klin. Med., 1939-40, 185: 89-101.—**Lintzel, W.** Ueber die Resorption des Eisens. Abstr. Internat. Physiol. Congr., 1929, 13. Congr., 164. Ein neues Experiment zur Frage der Resorption des Eisens. Sunti Congr. internaz. fisiol., 1932, 14. Congr., 156. Zum Nachweis der Resorption des Nahrungseisens als Ferroion. Biochem. Zschr., 1933, 263: 173-86.—**Mahlo, A.** Bedingungen der Eisenresorption im Magen-Darmtraktus. Fortsch. Ther., 1938, 14: 175-7.—**Moore, C. V., & Arrowsmith, W. R.** Studies in iron transportation and metabolism; observations on the absorption of iron from the gastro-intestinal tract and its disappearance from the blood stream. Annual Meet. Centr. Soc. Clin. Res., 1937, 10: 17 (Abstr.) [et al.] Studies in iron transportation and metabolism; observations on the absorption of iron from the gastro-intestinal tract. J. Clin. Invest., 1939, 18: 553-80.—**Moore, C. V., Bierman, H. Q.** [et al.] Studies in iron absorption with special reference to the relationship of iron metabolism to ascorbic acid. Pub. Am. Ass. Advance. Sc., 1940, No. 13, 34-47.—**Sachetto, L.** Nouvelles vues sur l'absorption du fer inorganique administré par voie gastrique. Arch. ital. biol., 1926, 76: 57-66.—**Smith, P. W., & Crandall, L. A., jr.** Iron absorption in the absence of bile. Am. J. Physiol., 1941, 133: 450; 1942, 135: 259-66.—**Starkenstein, E.** Ueber die Resorbierbarkeit von Eisenverbindungen aus dem Verdauungskanal. Arch. exp. Path., 1927-28, 127: 101-24.—**—** Demonstration der Resorption von Eisensalzen vom Magen-Darmkanal aus. Ibid., 1928, 128: Suppl., 137.—**Süllmann, H.** Zur Frage der Eisenresorption. Biochem. Zschr., 1931, 234: 241-6.—**Thomas, H. W., & Harvey, H. W.** Absorption of iron. Brit. M. J., 1943, 1: 83.—**Wallbach, G.** Weitere mikroskopisch-chemische Untersuchungen über die Beeinflussung der Eisenresorption. Zschr. ges. exp. Med., 1932, 83: 657-81.

Metabolism: Disorder.

See also such headings as Anemia; Hemochromatosis; Porphyrin, etc.

Baer, P. Il ferro del siero in rapporto coll'emocateresi; influenza della fatica muscolare sul ferro del siero. Boll. Soc. ital. biol. sper., 1938, 13: 439-41.—**Fontès, G., & Thivolle, L.** Bilan du fer chez le chien rendu anémique par saignées répétées. C. rend. Soc. biol., 1932, 109: 911-4.—**Kunlin, J.** Le métabolisme du fer et l'hématopoïèse chez le chien après gastrectomie totale et exclusive. Sang. Par., 1936, 10: 433-45.—**Fowler, W. M., & Barer, A. P.** Iron metabolism in hemochromatosis. J. Lab. Clin. M., 1937-38, 23: 47-52.—**Hirvonen, M.** [Serum iron and infectious diseases] Duodecim, Helsinki, 1940, 56: 533-46.—**Leverton, R. M.** Iron metabolism in human subjects on daily intakes of less than 5 milligrams. J. Nutr., 1941, 21: 617-31.—**Schaefer, K. H.** Zur Pathogenese der Infektanämie, insbesondere ihre Beziehungen zum Eisenstoffwechsel des wachsenden Organismus. Klin. Wschr., 1940, 19: 590-4.—**—** Untersuchungen über den exogenen Eisenstoffwechsel bei fieberhaften Infekten im Kindesalter. Ibid., 1939-40, 18: 234-41.—**Tumaki, Y.** Ferrophilic System beim verhungerten erwachsenen Kaninchen. Tr. Jap. Path. Soc., 1930, 20: 579-81.—**Vannotti, A., & Delachaux, A.** Die Bedeutung des Eisenstoffwechselproblems für die Klinik. Schweiz. med. Wschr., 1941, 71: 319-21.—**Waldenström, J.** Iron tolerance tests as a clinical method. Nutr. Abstr., Aberdeen, 1941-42, 11: 338.

Metabolism: Disorder: Deficiency disease.

See also Anemia subheadings (chlorotic; hypochromic; nutritional; posthemorrhagic; simple achlorhydric)

HEILMEYER, L., & PLÖTNER, K. Das Serum-eisen und die Eisenmangelkrankheit (Pathogenese, Symptomatologie und Therapie) 92p. 8°. Jena, 1937.

NAKAMURA, H. *Recherches sur le besoin de fer de l'organisme animal et sur le problème de la carence alimentaire. 128p. 24½cm. Par., 1924.

Abbott, O. D., & Ahmann, C. F. Iron deficiency anemia in children. Am. J. Dis. Child., 1939, 58: 811-6.—**Alsted, G.** [Essential juvenile iron deficiency anemia (chlorosis)] Nord. med., 1940, 7: 1338-42. Also Am. J. M. Sc., 1941, 201: 1-11. Also Nutr. Abstr., Aberdeen, 1941-42, 11: 339.—**Alt, H. L.** Iron deficiency in pregnant rats; its effect on the young. Am. J. Dis. Child., 1938, 56: 975-84.—**Wilson, E. E.** [et al.] Deprivation of placental blood as a cause of iron deficiency in infants. Ibid., 1941, 133: 196.—**Aston, B. C.** The chemistry of bush sickness, or iron starvation, in ruminants. Vet. Rec., Lond., 1927, 7: 234.—**Beard, H. H., & Boggers, T. S.** A comparison of oral administration versus intraperitoneal injection of colloidal iron upon blood regeneration in nutritional anemia of the rat. Am. J. Physiol., 1937, 118: 211-6.—**Bliss, S., & Thomson, M. L.** Iron deficiency in the white rat and the white mouse. Proc. Soc. Exp. Biol., N. Y., 1930-31, 28: 636-8.—**Brock, J. F.** The relation between the hypochromic anemia and iron deficiency. Brit. M. J., 1937, 1: 314-20.—**Bruzzone, L., & Massimello, F.** Studi sulla determinazione del ferro e del rame totale nel sangue in varie condizioni morbose; determinazione del Fe e del Cu nel sangue nelle anemie ipocromiche. Arch. sc. med., Tor., 1940, 69: 72-172; 236.—**Corelli, F.** Anemie ipocromiche e ferro. Policlinico, 1936, 43: sez. med., 105-24.—**Cotti, L., & Volta, M.** Studio anatomico-funzionale del midollo nell'anemia ipocromica essenziale; influenza della terapia marziale e riferimenti patogenetici nel campo delle anemie da carenza in ferro. Minerva med., Tor., 1939, 30: pt 1, 139-45.—**Davidson, L. S. P., Donaldson, G. M. M.** [et al.] Nutritional iron deficiency anaemia in wartime; the haemoglobin levels of 831 infants and children. Brit. M. J., 1942, 2: 506; passim.—**Delachaux, A.** Remarques au sujet de la conduite thérapeutique dans les anémies par manque de fer. Rev. méd. Suisse rom., 1939, 59: 278-86.—**Diwany, M. el.** Iron deficiency anaemia of infancy. J. Egypt. M. Ass., 1938, 21: 330-9.—**Faber, H. K., Mermod, C.** [et al.] Microcytic, hypochromic (iron-deficiency) anemia in infancy and childhood; its relation to gastric acidity and to simple achlorhydric anemia of adults. J. Pediat., S. Louis, 1935, 7: 435-51.—**Fitz-Hugh, T., jr.** Iron deficiency anemias. Cyclop. Med. (Piersol-Bortz) Phila., 1939, 2: 733-45, 3 pl.—**Fowler, W. M.** Iron deficiency anemias. J. Omaha Clin. Soc., 1941, 2: 16-23. Also Clin. Med., 1942, 49: 74.—**Barer, A. P.** The treatment of iron deficiency anemias. J. Am. M. Ass., 1939, 112: 110-5.—**—** The etiology and treatment of iron deficiency anemias. J. Iowa M. Soc., 1941, 31: 420-4.—**Fullerton, H. W.** Iron-deficiency anaemia among the poor classes in Aberdeen. J. State M., Lond., 1937, 45: 125-37.—**Gottlieb, R.** Liver added to iron in hydrochloric anemia. What's New, North Chic., 1943, No. 68, 5 (Abstr.)—**Hamilton, H. A., & Wright, H. P.** Development of hypochromic anemia during pregnancy; response to iron therapy. Lancet, Lond., 1942, 2: 184-6.—**Hart, E. B., Elvehjem, C. A.** [et al.] Iron in nutrition; nutritional anemia on whole milk diets and its correction with the ash of certain plant and animal tissues or with soluble iron salts. J. Biol. Chem., 1927, 72: 299-320.—**Heath, C. W.** Iron deficiency in girls; chlorosis. Med. Clin. N. America, 1937, 21: 389-99.—**Minot, C. R.** [et al.] The influence of mucin upon the absorption of iron in hypochromic anemia. Am. J. M. Sc., 1938, 195: 281-6.—**Heath, C. W., & Patek, A. J., jr.** The anemia of iron deficiency. Medicine, Balt., 1937, 16: 267-350.—**Heilmeyer, L.** Die Eisenmangelanämien; Pathogenese und Therapie. Sitzber. Internat. hämat. Tagung (1937) 1938, 1. Congr., 223-34. Also Med. Welt, 1938, 12: 138-42.—**—** Hypochrome Anämien und Eisenstoffwechsel. Klin. Wschr., 1940, 19: 671.—**Plötner, K.** Eisenmangelzustände und ihre Behandlung. Klin. Wschr., 1936, 15: 1669-73.—**Hutchinson, J. H.** The role of copper in iron-deficiency anemia in infancy. Q. J. Med., Oxf., 1938, 7: 397-419.—**Josephs, H. W.** Iron metabolism in infancy; relation to nutritional anemia. Bull. Johns Hopkins Hosp., 1934, 55: 259-72.—**Leites, S., & Riabov, A.** Ueber die Rolle des reticulo-endothelialen Systems im Eisenstoffwechsel (zugleich ein Beitrag zur Pathogenese der Chlorose) Krankheitsforschung, 1927, 4: 249-62.—**Mackay, H. M. M., & Jacob, L. E.** A stable ferrous sulphate mixture for the treatment of nutritional anemia in young children. Lancet, Lond., 1937, 2: 570-3.—**Marin, P.** Ricerche sperimentali sulla influenza dell'alimentazione povera di ferro nella discendenza dei topi e dei ratti bianchi. Minerva med., Tor., 1927, 7: 776-81.—**Mazzei, E. S.** Etiopatogenia y fisiopatologia de las anemias hipocromicas aquificas; el balance del hierro. Prensa méd. argent., 1938, 25: pt 2, 2383-8.—**Metzger,**

B. Ergebnisse einer kombinierten Kupfer-Eisen-Leber-Eiweißtherapie bei der Behandlung hypochromer Anämien. *Fortsch. Ther.*, 1936, 12: 691-3.—**Metzger, H., & Hoffmann, R.** De l'emploi de fortes doses de fer dans le traitement des anémies hypochromiques. *Sang. Par.*, 1935, 9: 78-85.—**Mills, E. L.** Iron deficiency anemia. *J. Kansas M. Soc.*, 1941, 42: 344-7.—**Moretti, P.** Anemia ipocromica essenziale migliorata in breve tempo con la cura marziale. *Gazz. med. lombard.*, 1935, 94: 205-12.—**Nakamura, H.** Aspect véritable de la carence ferrique. *Keijo J. M.*, 1932, 3: 230-49.—**Pangaro, J. A.** Anemias hipocrômicas por deficiência de hierro. *Dia méd.*, B. Air., 1938, 10: 109-13.—**Pieracris, G.** Etude sur le syndrome dépigmentation-oedème au Kasai. *Rec. trav. sc. méd. Congo*, 1942, 104-24.—**Plötner, K.** Die Eisenmangel-Anämien und ihre Behandlung. *Hippokrates*, Stuttgart, 1939, 10: 1017-20.—**Pohle, F. J., & Heath, C. W.** The influence of acid and alkaline salts upon the blood in hypochromic anemia treated by iron parenterally. *Am. J. M. Sc.*, 1939, 197: 437-41.—**Re, P.** Metabolismo del ferro e malattie da carenza marziale. *Arch. stud. fisiopat. ricambio*, 1939, 7: 61-73. — Ferro totale ematico e indice ferrico nelle anemie ipocromiche; nota preventiva. *Haematologica*, Pavia, 1939, 20: Suppl., 104.—**Reznikoff, P., & Goebel, W. F.** The use of ferrous gluconate in the treatment of hypochromic anemia. *J. Clin. Invest.*, 1937, 16: 547-54. — The preparation of ferrous gluconate and its use in the treatment of hypochromic anemia in rats. *J. Pharm. Exp. Ther.*, 1937, 59: 182-92.—**Schur, M.** Ueber Eisenmangelanämien. *Wien. Arch. inn. Med.*, 1934, 25: 321-52. — Vier Fälle von Eisenmangelanämie. *Mitt. Ges. inn. Med. Wien*, 1935, 34: 81-3.—**Scott, J. W.** The iron deficiency anaemias. *Bull. Vancouver M. Ass.*, 1942, 19: 52-6.—**Scott, R. B.** The iron-deficiency anaemias. *Lancet*, Lond., 1938, 2: 549-52.—**Smith, C. H.** Sedimentation rate in nutritional anemia of infants and children; its response to treatment with iron, ferrous sulfate. *Am. J. Dis. Child.*, 1938, 56: 510-28.—**Stephenson, R.** Hypochromic anemia of infants; comparison of the efficacy of ferric and of ferrous iron. *Ibid.*, 55: 1141-57.—**Sturgis, C. C.** Treatment of the microcytic anemias of the iron deficiency type. *Digest Treat.*, Phila., 1938-39, 2: 120.—**Terzani, A.** La anemia ipocromica da carenza di ferro. *Gior. clin. med.*, 1939, 20: 1039-81.—**Turot, C.** Anémie ferriprive. *Union méd. Canada*, 1940, 69: 970-3.—**Turpeinen, E.** [Peroral iron therapy in hypochromic] Duodecim, Helsinki, 1939, 55: 795-818.—**Waddell, J., Steenbock, H., & Hart, E. B.** Iron in nutrition; the specificity of copper as a supplement to iron in the cure of nutritional anemia. *J. Biol. Chem.*, 1929, 84: 115-30.—**Whalley, E.** Iron deficiency in the community. *Brit. M. J.*, 1942, 1: 163.—**Wilson, E. E., Windle, W. F., & Alt, H. L.** Deprivation of placental blood as a cause of iron deficiency in infants. *Am. J. Dis. Child.*, 1941, 62: 320-7.—**Young, R. H.** Iron deficiency anemia. In *Rev. Med.* (Boshes, B.) Chic., 4. ed., 1940, 125-8.

Metabolism: Disorder: Excess.

Deobald, H. J., & Elvehjem, C. A. The effect of feeding high amounts of soluble iron and aluminum salts. *Am. J. Physiol.*, 1935, 111: 118-23.—**Hayasi, N.** Experimental studies on the effect of continuous feeding of an inorganic iron; on the content of deposit iron by the feeding of ferrous carbonate. *J. Orient. M.*, Dairen, 1939, 31: 118.—**Hendrych, F., & Klimesch, K.** Gibt es eine chronische Eisenvergiftung? zugleich ein Beitrag zur experimentellen chronischen Manganvergiftung. *Arch. exp. Path.*, Berl., 1935, 178: 178-88.—**Hiyeda, K., Hayasi, N., & Aisio, M.** Iron as the causative agent of Kaschin-Beck's disease. *J. Orient. M.*, Dairen, 1937, 26: 107.—**Hotta, K.** Die Vergleichung zwischen der Kaschin-Beckschen ähnlichen Krankheit durch Einführung von überschüssigem Eisen in dem Trinkwasser und der Osteopathia acidosa durch Einführung von Zucker bei jungen Kaninchen. *Ibid.*, 1939, 31: 78.—**Napier, L. E.** A case of iron encephalopathy. *Ind. M. Gaz.*, 1936, 71: 143-5.

Metabolism: Excretion.

Barer, A. P., & Fowler, W. M. Urinary iron excretion. *J. Lab. Clin. M.*, 1937-38, 23: 148-55.—**Boggino, J.** Recherches sur l'élimination des sels de fer par le tube digestif. *C. rend. Soc. biol.*, 1931, 106: 604-6.—**Brugsch, T., & Irger, J.** Ueber die Ausscheidung des Eisens durch die Galle nach intravenöser und nach oraler Einverleibung von Eisenpräparaten bei ungeschädigter und durch Toluylendiamin geschädigter Leber. *Zschr. ges. exp. Med.*, 1926, 50: 625-36.—**Chin, S.** Untersuchung über die Eisenausscheidung und Eisenresorption im Coecum. *Tr. Soc. path. jap.*, 1938, 28: 509-11.—**Elvehjem, C. A., Herrin, R. C., & Hart, E. B.** The effects of diet on the iron content of milk. *J. Biol. Chem.*, 1926-27, 74: 255-62.—**Firket, J., & Saenz Arbelaz, C.** Nouvelles études histophysiologiques de l'élimination des sels ferrugineux par le rein. *C. rend. Soc. biol.*, 1931, 107: 1586-90.—**Kamano, M.** Ueber die Eisenausscheidung des Dünndarms und Dickdarms. *Tr. Soc. path. jap.*, 1938, 28: 505-9.—**Lauro, A.** La eliminazione del ferro dopo splenectomia associata o no a blocco del S. R. E. *Arch. ital. med. sper.*, 1939, 4: 703-14.—**Lintzel, W.** Zur Frage des Eisenstoffwechsels; über das Harn Eisen. *Zschr. Biol.*, 1927-28, 87: 157-66.—**Maddock, S., & Heath, C. W.** Is iron excreted by the gastrointestinal tract of the dog? a histologic study. *Arch. Int. M.*, 1939, 63: 584-9.—**Mascherpa, P.** L'eliminazione intestinale del ferro studiata in animali

colorati vitalmente. *Boll. Soc. ital. biol. sper.*, 1929, 4: 178-81.—**Odier, J.** Elimination du fer par les glandes salivaires du cobaye. *Schweiz. med. Wschr.*, 1942, 72: 1021.—**Patatina, A.** La eliminazione del ferro dopo colectomia. *Riv. pat. sper.*, 1936, 17: 261-77.

Metabolism: Retention, reserve, and storage.

See also subheading Siderosis.

GLEES, P. *Quantitativ-chemische Untersuchungen über die Schwankungen des Eisengehalts der Leber und Milz in verschiedenen Lebensaltern und bei verschiedenen Krankheiten. 31p. 8°. Bonn, 1935.

Achard, C., Bariety, M., & Gallais, F. La teneur en fer de la rate et du foie chez le chien; action des injections intraveineuses de casinate de soude. *C. rend. Soc. biol.*, 1935, 118: 408.—**Ballière, A.** La rate et le taux de fer plasmatique. *Acta brev. neerl.*, 1939, 9: 225-7.—**Barer, A. P., & Fowler, W. M.** Influence of copper and a liver fraction on retention of iron. *Arch. Int. M.*, 1937, 60: 474-81.—**Bertagni, P.** Variazioni del contenuto in ferro nel fegato e nella milza di feli bovini di diversa età. *Biochem. ter. sper.*, 1940, 27: 45-9.—**Corradini, G.** Sulla partecipazione del nucleo delle cellule epatiche al ricambio del ferro. *Arch. farm. sper.*, 1930-31, 51: 125-8.—**Factors influencing the retention of iron.** *J. Am. M. Ass.*, 1937, 109: 1281.—**Fowweather, F. S., & Polson, C. J.** Iron storage in splenectomized rabbits. *Brit. J. Exp. Path.*, 1929-30, 11: 362-8.—**Freeman, S.** The effect of aluminum hydroxide ingestion upon iron retention by the anemic rat. *Fed. Proc.*, Balt., 1942, 1: pt. 2, 26 (Abstr.)—**Ivy, A. C.** The influence of antacids upon iron retention by the anemic rat. *Am. J. Physiol.*, 1942, 137: 706-9.—**Hemmel, G.** Serum Eisen und Leber. *Klin. Wschr.*, 1939, 18: 1245-7.—**Hutchison, J. H.** Studies on the retention of iron in childhood. *Arch. Dis. Childh.*, Lond., 1937, 12: 305-20.—**Influence (The) of gastric acidity on iron retention.** *Med. J. Australia*, 1937, 2: 445.—**Inoue, S.** Biological investigation of iron metabolism; the amount of ferrum contained in the liver and spleen of the human fetus and new-born. *Jap. J. Obst.*, 1931, 14: 288-95.—**Iwao, T., & Sato, M.** Ueber das Eisen und die blutbildenden Herde in der Milz bei verschiedenen Tierarten. *Jap. J. M. Sc.*, 1938-39, 5: Proc. Int. Med., 18.—**Josephs, H. W.** Iron metabolism in infancy; factors influencing iron retention on ordinary diets. *Bull. Johns Hopkins Hosp.*, 1939, 65: 145-66. — Iron metabolism in infancy; the retention and utilization of medicinal iron. *Ibid.*, 167-95.—**Kremer, J.** Das Problem der Pigmentablagerung in der Leber und Milz der Kaltblüter und seine Beziehungen zur Frage des Blutbaues und Eisenstoffwechsels. *Zschr. mikr. anat. Forsch.*, 1938, 44: 234-323, pl.—**Motta, G.** Sul metabolismo del ferro nell'utero. *Boll. Soc. biol. sper.*, 1926, 1: 242-4.—**Polson, C. J.** The storage of iron following its oral and subcutaneous administration. *Q. J. Med.*, Oxf., 1929-30, 23: 77-84.—**Schultz, F. W., & Oldham, H.** Effect of the vitamin B intake on retention of iron in a normal infant. *Am. J. Dis. Child.*, 1937, 54: 683-5.—**Schwarz, L.** Zur Frage der Eisenspeicherung und des Eisenstoffwechsels. *Verh. Deut. path. Ges.*, 1928, 23: 118-22 [Discussion] 122-43. — Einfluss der Ernährung auf die Eisenspeicherung der Leber und Milz der weissen Maus (Beitrag zum Eisenstoffwechsel). *Virchows Arch.*, 1928, 269: 638-62.—**Shelling, D. H., & Josephs, H. W.** Calcium and phosphorus studies; the effect of variation of calcium, phosphorus, and of vitamin D in diet on iron retention in rats. *Bull. Johns Hopkins Hosp.*, 1934, 55: Suppl., 309-13.—**Stearns, G., & Stinger, D.** Iron retention in infancy. *J. Nutrit.*, 1937, 13: 127-41.—**Toverus, K. U.** Investigation on the ironstore of newborn infants. *Acta paediat.*, Upps., 1935, 17: Suppl. 1, 136-40.—**Wallbacs, G.** Gesetzmässigkeiten der vitalen Eisenspeicherung in den Zellen des tierischen Organismus. *Protoplasma*, Lpz., 1937-38, 29: 122-31.—**Williamson, C. S., & Ets, H.** The problem of the iron reserve; an experimental study. *Tr. Ass. Am. Physicians*, 1927, 42: 191-4. Also *Arch. Int. M.*, 1927, 40: 668-75.

Metabolism: Variation.

HUBBELL, H. J. *An investigation of the influence of sex on the utilization of iron [Columbia Univ.] 45p. 8°. N. Y., 1936.

THOENES, F., & ASCHAFFENBURG, R. Der Eisenstoffwechsel des wachsenden Organismus. 103p. 8°. Berlin, 1934.

Arkusky, J. J. Ueber die Wirkung der Röntgenbestrahlung der Milz auf den Eisenstoffwechsel im tierischen Organismus. *Strahlentherapie*, 1934, 49: 455-62.—**Ascham, L.** A study of iron metabolism with preschool children. *J. Nutrit.*, 1935, 10: 337-42.—**Elvehjem, C. A.** The action of copper in iron metabolism. *Proc. Am. Soc. Biol. Chemists*, 1932, 8: p. xvi. — **Sherman, W. C.** The action of copper in iron metabolism. *J. Biol. Chem.*, 1932, 98: 309.—**Iob, V., & Swanson, W. W.** A study of fetal iron. *Ibid.*, 1938, 124: 263-8.—**Iron metabolism in early infancy.** *J. Am. M. Ass.*, 1937, 109: 279.—**Josephs, H. W.** Studies on iron metabolism and the influence of copper. *J. Biol. Chem.*, 1932, 96: 559-71.—

Kalbermatten, R. Das Verhalten des Eisenstoffwechsels bei normalen und miltzlosen Tieren in der Unterdruckkammer. *Biochem. Zschr.*, 1930, 226: 429-40. *Ausz. Inaugur. Diss. Med. Fak. Univ. Bern* (1931-33) 1934, No. 5, 1.—**Leverton, R. M., & Roberts, L. J.** The iron metabolism of normal young women during consecutive menstrual cycles. *J. Nutrit.*, 1937, 13: 65-95.—**Lintzel, W.** Zur Frage des Eisenstoffwechsels; Beobachtungen an Tieren beim Aufenthalt in verdünnter Luft. *Zschr. Biol.*, 1927-28, 87: 137-44.—**McFarlane, W. D.** The distribution of iron in tissues, particularly liver, during peptic digestion and autolysis. *J. Biol. Chem.*, 1934, 106: 245-60.—**Moore, C. V., Minnich, V., & Welch, J.** Studies in iron transportation and metabolism; the normal fluctuations of serum and easily split-off blood iron in individual subjects. *J. Clin. Invest.*, 1939, 18: 543-52.—**Neuweiler, W.** Ueber die Eisenversorgung des Fötus. *Schweiz. med. Wschr.*, 1938, 68: 843-5.—**Ohlson, M. A., & Daum, K.** A study of the iron metabolism of normal women. *J. Nutrit.*, 1935, 9: 75-89.—**Oudendal, A. J. F., Donath, W. F., & Mengert-Presser, H.** Ueber Eisenhaushalt und Hämoglobin in den Tropen. *Krankheitsforschung*, 1928, 6: 1-40, 7 pl.—**Porter, T.** Iron balances on 4 normal pre-school children. *J. Nutrit.*, 1941, 21: 101-13.—**Rose, M. S., & Hubbell, H. J.** The influence of sex on iron utilization in rats. *Ibid.*, 1938, 15: 91-102.—**Thoenes, F.** Zur Kenntnis des intermediären Eisenstoffwechsels im Kindesalter. *Acta paediat.*, Upps., 1933, 16: 507-10. Also *Klin. Wschr.*, 1933, 12: 1686-8.—**Physiologie und Pathologie des Eisenstoffwechsels im Wachstumsalter.** *Deut. Zschr. Verdauungskr.*, 1940-41, 4: 209-34.—**Toverud, K. U.** Metabolism studies on iron during pregnancy. *Acta paediat.*, Upps., 1935, 17: Suppl. 1, 131-5 [Discussion] 139. Also *Norsk. mag. laegevid.*, 1935, 96: 177-84; 259-68; 381-9; 468.—**Vignes, H.** Fer et grossesse. *Praxis, Bern*, 1942, 31: 835 (Abstr.).—**Volland, W.** Untersuchungen über den intermediären Eisenstoffwechsel nach wiederholter Injektion artfremden Serums. *Klin. Wschr.*, 1940, 19: 1242.—**Wallbach, G.** Ueber die durch funktionelle Umstimmung des Organismus bewirkten Veränderungen des Eisenstoffwechsels. *Zschr. ges. exp. Med.*, 1931, 75: 378-100.—**Wallgren, A.** [Iron metabolism in normal infants after weaning] *Upsala läk. fören. förh.*, 1932, n. f., 37: 215-42. Also *Rev. fr. pédiat.*, 1933, 9: 196-235; 1939, 15: 117-83.—**Widdowson, E. M., & McCance, R. A.** The absorption and excretion of iron before during and after a period of very high intake. *Biochem. J.*, Lond., 1937, 31: 2029-34.—**Zondek, S. G., & Karp, J.** The relationship of iron with the ageing of cells. *Ibid.*, 1934, 28: 587-91.

Metallurgy.

See also Iron industry.

DAVIES, J. Galvanized iron; its manufacture and uses. 139p. 8° Lond., 1899.

Fitterer, G. R. Pyrometry of liquid steels and pig irons. In *Temperature* (Am. Inst. Physics) N. Y., 1941, 946-57.—**Fräsehe, D. F.** The origin of the Surigao iron ore. *Bull. Nat. Res. Coun. Philippines*, 1939, 23: 89.—**Gillam, A. E., & West, T. F.** Distribution of the double linkings in iron. *Nature*, Lond., 1941, 148: 114.—**Huddle, J. W.** An unusual brown iron ore deposit. *J. Elisha Mitchell Sc. Soc.*, 1942, 58: 135.

Nutritional aspects.

Arnold, W. Die Bedeutung der Kost für eine verschiedene Wirkung des Eisens auf den Stoffhaushalt. *Fol. haemat.*, Lpz., 1929, 38: 339-54.—**Barer, A. P., & Fowler, W. M.** The iron requirement of adults. *J. Am. Diet. Ass.*, 1940, 16: 769-78.—**Bloxson, A. P.** Copper and iron requirements in infancy. *South. M. J.*, 1932, 25: 401-5.—**Dauphinee, J. A.** The iron requirement in normal nutrition. *Canad. M. Ass. J.*, 1938, 39: 483-6.—**Dickson, M. A.** Hemoglobin standards and iron requirements of women. *Med. Woman J.*, 1937, 44: 247-55.—**Mineral needs of man; iron.** *Yearb. U. S. Dep. Agr.*, 1939, 197-208.—**Farrar, G. E., jr., & Goldhamer, S. M.** The iron requirement of the normal human adult. *J. Nutrit.*, 1935, 10: 241-54.—**Hart, E. B.** Iron in nutrition. *J. Am. Vet. M. Ass.*, 1928-29, 74: 673-9.—**Heath, C. W.** Iron in nutrition; requirements for iron. *J. Am. M. Ass.*, 1942, 120: 366-70.—**Heck, F. J.** Iron requirements in childhood and adult life. *Texas J. M.*, 1940-41, 36: 286-91.—**Hill, L. W.** The importance of iron in the infant's diet; showing how it is utilized, and pointing out available sources. *West. Dietitian*, Los Ang., 1926-27, 2: No. 2, 9.—**Iron** (The) requirement of man. *J. Am. M. Ass.*, 1935, 105: 1917.—**Jerlov, E.** [The pregnant woman's need of iron] *Sven. läk. tidn.*, 1934, 31: 841-68.—**Johnston, F. A., & Roberts, L. J.** The iron requirement of children of the early school age. *J. Nutrit.*, 1942, 23: 181-93.—**Leverton, R. M., & Marsh, A. G.** The iron metabolism and requirement of young women. *Ibid.*, 229-38.—**Liechensring, J. M., & Flor, I. H.** The iron requirement of the pre-school child. *Ibid.*, 1932, 5: 141-6.—**Masten, A. R.** Iron; a dietary requisite, particularly for the adolescent girl. *Bull. Colorado Bd Health*, 1939, 3: No. 5, 8-13.—**Miller, R. C., & Forbes, E. B.** The utilization of the iron of protein foods by the albino rat; comparison of the growth and the iron assimilation as affected by different protein foods; comparison of protein foods supplementary to milk as sources of iron in nutrition. *J. Nutrit.*, 1931, 4: 483-505.—**Nakamura, F. I., & Mitchell, H. H.** The utilization for hemoglobin regeneration of the iron

in salts used in the enrichment of flour and bread. *Ibid.*, 1943, 25: 39-48.—**Rose, M. S., Vahlteich, E. McC.** [et al.] Iron requirement in early childhood. *Ibid.*, 1930-31, 3: 229-35.—**Swales, W. E., Crampton, E. W.** [et al.] Studies on factors influencing the health of pigs; the relationship of blood hemoglobin concentrations to rate of gain in suckling pigs. *Canad. J. Res.*, 1942, 20: Sect. D, 380-6.—**Underwood, E. J.** A comparison of ferrous and ferric iron in the nutrition of the rat. *J. Nutrit.*, 1938, 16: 299-308.—**Urbányi, L.** Der Eisenbedarf des tierischen Organismus. In *Was gibt es Neues* (Puttkammer, V.) Hannover, 1938, 175.—**Widdowson, E. M., & McCance, R. A.** Iron in human nutrition. *J. Hyg., Camb.*, 1936, 36: 13-23.

Nutritional aspects: Food iron.

See also Mineral water.

Ascham, L., Speirs, M., & Maddox, D. The availability of iron in various foods. *J. Nutrit.*, 1938, 16: 425-36.—**Free, A. H., & Bing, F. C.** Availability of iron in wheat. *Proc. Soc. Exp. Biol.*, N. Y., 1936-37, 35: 453.—**Goswami, H., & Basu, U. P.** Available iron in Indian foodstuffs. *Ind. J. M. Res.*, 1937-38, 25: 893-9.—**Green, C. W.** Ferruginous foods. *Australas. J. Pharm.*, 1936, n. ser., 17: 1235.—**Koenig, R. A., & Johnson, C. R.** Determination of iron in 3 diets. *Food. Res.*, 1942, 7: 130-4.—**Leverton, R. M.** A comparison of the values obtained by calculation and by analysis for the iron content of 85 mixed diets. *J. Am. Diet. Ass.*, 1937, 13: 139-43.—**McCance, R. A.** The ionisable and available iron in foods. *Analyst, Lond.*, 1939, 64: 335.—**Miller, R. C., Forbes, E. B., & Smythe, C. V.** A study of the utilization of the iron of meats as compared with other protein foods. *J. Nutrit.*, 1928-29, 1: 217-32.—**Peterson, W. H., & Elvehjem, C. A.** The iron content of plant and animal foods. *J. Biol. Chem.*, 1928, 78: 215-23.—**Ranganathan, S.** The available iron in some common Indian foodstuffs, determined by the α , α' -dipyridine method. *Ind. J. M. Res.*, 1937-38, 25: 677-81.—**Variations in the iron content of foodstuffs and the problem of iron requirements.** *Ibid.*, 1938, 26: 119-29.—**Reimann, F., & Fritsch, F.** Klinische und experimentelle Untersuchungen über die Bedeutung des in der Nahrung enthaltenen Eisens. *Zschr. klin. Med.*, 1932, 120: 16-39.—**Roy, K. L., Pal, J. C., & Guha, B. C.** Ionisable iron in certain Indian food-stuffs and in students' diets. *Ind. M. Gaz.*, 1939, 74: 281-4.—**Schlutz, F. W., Morse, M., & Oldham, H.** The influence of fruit and vegetable feeding upon the iron metabolism of the infant. *J. Pediat.*, S. Louis, 1933, 3: 225-41.—**Summerfeldt, P.** Iron and its availability in foods. *Tr. Am. M. Ass., Sect. Pediat.*, 1935, 214-20.—**Theriault, F. R., & Fellers, C. R.** Effect of freezing and of canning in glass and in tin on available iron content of foods. *Food Res.*, 1942, 7: 503-8.—**Toscani, V., & Reznikoff, P.** The iron content of foods used in a municipal hospital. *J. Nutrit.*, 1934, 7: 79-87.—**Vahlteich, E. M., Funnell, E. H.** [et al.] Egg yolk and bran as sources of iron in the human diet. *J. Am. Diet. Ass.*, 1935-36, 11: 331-4.—**Wallgren, A.** The iron content in some animal and vegetable foods commonly used in children's diet. *Acta paediat.*, Upps., 1931-32, 12: 170-85. Also *Rev. fr. pédiat.*, 1932, 8: 257-84.—**Wendt, G. von.** Das Vollkornknäckebröt als Eisenquelle in der menschlichen Ernährung. *Deut. med. Wschr.*, 1940, 66: 851.—**Widdowson, E. M., & McCance, R. A.** Iron exchanges of adults on white and brown bread diets. *Lancet, Lond.*, 1942, 1: 588-91.

Oxide, oxidation, and hydroxide.

See also Iron, colloidal.

Baskerville, W. H., & Cameron, F. K. Ferric oxide and aqueous sulfuric acid at 25°C. *J. Phys. Chem.*, 1935, 39: 769-79.—**Baudisch, O.** γ -Eisen-3-oxyl and γ -Eisen-3-oxylhydrat. *Biochem. Zschr.*, 1933, 258: 69-75.—**Johnson, T. B.** On the influence of iron oxides and iron oxide hydrates on the growth and virulence of bacteria. *Sunti Congr. internaz. fisiol.*, 1932, 14. Congr., 25-7.—**Bickel, A.** Untersuchungen über den wachstumsfördernden Einfluss verschiedener anorganischer Eisenverbindungen und über die Eisenanreicherung des Körpers bei der Fütterung mit dem aktiven magnetischen Ferrioxyl Sideras. *Biochem. Zschr.*, 1928, 199: 60-8.—**Biologische Wirkung des aktiven Eisenpräparates Sideras.** *Klin. Wschr.*, 1929, 8: 791.—**Chevallier, R., & Bégué, Z. E.** Propriétés thermomagnétiques de l'oxyde ferrique. *Bull. Soc. chim. France*, 1937, 5. ser., 4: 1735-42.—**[Determination of iron protoxide in reference to ferric protoxide, organic acids and sugar]** *Ny pharm. tidn.*, Kbh., 1881, 13: 358.—**Doan, C. A., Sabin, F. R., & Forkner, C. E.** An experimental study of the influence of ferromagnetic cubic and paramagnetic amorphous iron oxide on the blood (in simple anemia and in the normal). *Am. J. M. Sc.*, 1929, 177: 201-8.—**Doroshewsky, A. G., & Bard, A. J.** [Oxidation of alcohols in presence of FeO and its salts] *J. Russ. fiz. khim. obsheh., khim. ch.*, 1914, 46: 754-85.—**[Contact action of water- and coal vapours in oxidation of iron compounds]** *Ibid.*, 1669-76.—**Dulière, W.** Note sur l'oxyde noir de fer. *Ann. pharm.*, Louvain, 1895, 1: 98-102.—**Ferric oxide, new monograph for.** *Bull. Nat. Formulary Com. U. S.*, 1939-40, 8: 160.—**Fresenius, L., & Harpuder, K.** Untersuchungen zur biologischen Wirkung des aktiven Eisenpräparates Sideras. *Klin. Wschr.*, 1929, 7: 69-71.—**Fricke, R.** Ueber das amorphe inaktive Eisen III-oxylhydrat von Alfons Krause; nach Versuchen zusammen

mit W. Schweckendiek. Ber. Deut. chem. Ges., 1938, 71: Abt. B, 128-30. — **Kimmerle, M.** Ueber die Reduzierbarkeit von α -Fe₂O₃ durch Fettdämpfe und Spuren anderer organischer Stoffe. Ibid., 474-80. — **Fricke, R., & Wiedmann, H.** Zur Charakterisierung des Ueberganges von amorphem Eisen III Oxydhydrat in α -Fe₂O₃ durch Sorptions- und katalytische Messungen. Kolloid Zschr., 1939, 89: 178-84. — **Glemser, O.** Ueber Struktur, Wärmeinhalt und sonstige Eigenschaften aktiver Stoffe von R. Fricke und Mitarbeitern; über Darstellung und katalytische Wirksamkeit von reinem γ -FeOOH und daraus gewonnenem γ -Fe₂O₃. Ber. Deut. chem. Ges., 1938, 71: Abt. B, 158-63. — **Hüttig, G. F., & Zeidler, E.** Die Löslichkeiten eines Gemisches von Magnesiumoxyd und Eisenoxyd im Verlaufe seiner Alterung. Kolloid Zschr., 1936, 75: 170-84. — **Kohlschütter, H. W., & Kalipke, E.** Strukturelemente aktiver Eisenhydroxyde. Zschr. phys. Chem. Abt. B, 1939, 42: 249-73. — **Kolthoff, I. M., & Moskovitz, B.** The constitution of β iron oxide monohydrate. J. Am. Chem. Soc., 1936, 58: 777-9. — **Linnell, W. H.** A note on the preparation of magnetic oxide of iron. Q. J. Pharm., Lond., 1928, 1: 178-81. — **Marks, J.** Untersuchungen über den Ort der Resorption des aktiven Eisenoxyds Siderac im Verdauungskanal. Zschr. ges. exp. Med., 1928, 61: 560. — **Pound, J. R.** The oxidation of solutions of ferrous salts. J. Phys. Chem., 1939, 43: 955-67. — **Sugar syrup and glycerine soluble modification of iron hydroxide.** Ny pharm. tid., Kbh., 1869, 1: 188. — **Suski, P. M.** Ueber die Beeinflussung des Blutbildes durch das aktive Eisenoxyd Siderac. Fortsch. Med., 1929, 47: 344-6. — **Tilly, H.** Rosten- und Rostschutz. Gesundh. Ingenieur, 1926, 49: 13-6. — **Vallesi, E.** Sul potere assorbente di alcuni idrati di ferro. Boll. Soc. eustach., 1934, 32: 181-90. — **Weiser, H. B., & Milligan, W. O.** X-ray studies on the hydrous oxides; ferric oxide. In Colloid Symp. Monogr., 1935, 25-34. Also J. Phys. Chem., 1935, 39: 25-34. — **Wolf, P. M., & Zeglin, H.** Physikalisch-chemische Untersuchungen über Siderac; ein Beitrag zur Bedeutung des Röntgenspektrums für die Charakterisierung pharmazeutischer Präparate. Deut. med. Wschr., 1929, 55: 989. — **Zimmer, H.** Ueber den Einfluss des biologisch-aktiven Eisenpräparates Siderac auf den Lungenwechsel des Menschen. Ibid., 482.

— Pharmacology.

ANDRADE, D. DE. *Contribuição para o estudo da acção farmacodinâmica do ferro. 127p. 8°. S. Paulo, 1928.

BENDEL, D. *Der Einfluss hoher Eisendosen auf das Blutbild beim Normalen. 19p. 8°. Zür., 1920.

CESARI, G. Studio fisiologico-terapeutico sul ferro e suoi preparati. 2. ed. 271p. 22½cm. Milano, 1880.

HÖFER, I. *Eisen und Blutbildung. 24p. 8°. Greifs., 1934.

HOFFMANN, J. M., & BEUTTEL, J. G. *Disputatio medica publica de medicamentis martialibus. 56p. 190mm. Altdorf [1685]

PANIMON, F. I. The effect of iron compounds on brain metabolism; iron-induced oxidations in brain and other tissues; orthophenanthroline as accelerator of brain tissue oxygen consumption. 29p. 24cm. Chic. [1941]

RAUBINGER, W. *Ueber die Einwirkung eisenhaltiger Präparate auf die Mundhöhle. 14p. 8°. Heidelberg, 1934.

WICKLER, F. *Ueber die Wirkung intravenös einverleibten Eisens [Jena] 30p. 20½cm. Würzb., 1937.

ZIMMERMANN, B. *Die Wirkung der Eisenzufuhr auf das rote Blutbild der Schwangeren [Heidelberg] 15p. 22cm. Würzb., 1938.

Action (The) of iron. Brit. M. J., 1937, 2: 970. — **Arnoldi, W.** Die Einwirkung von aktivem Eisen auf Körpergewicht und Sauerstoffverbrauch des Organismus. Fol. haemat., Lpz., 1927-28, 35: 21-9. — **Baránski, R., & Popowski, S.** L'influence du fer pris par la voie buccale sur la métabolisme de l'eau. Trav. sc. Clin. inf. Univ. Varsovie, 1930, 105-16. — **Barer, A. P., & Fowler, W. M.** The effect of iron on phosphorus, calcium, and nitrogen metabolism. J. Lab. Clin. M., 1940-41, 26: 351-60. — A comparison of the hemoglobin response to varying dosages of iron. Ibid., 1942-7. — The effect of iron on the hemoglobin regeneration in blood donors. Am. J. M. Sc., 1943, 205: 9-16. — **Baroni, E.** Il ferro nella ipodermoterapia. Gior. farm. chim., Tor., 1904, 53: 145-54. — **Baumgarten.** Organisches oder anorganisches Eisen? Deut. med. Wschr., 1926, 52: 1037 [Erwiderung von Seydewitz] 1037. — **Beilcke, G.** Ueber die Wirkung von Eisen (Cefero) auf Blut und Knochenmark von Kaninchen. Arch. exp. Path., Lpz., 1938, 189: 298-310. — **Bickel, A.** Zur Pharmakologie des Eisens und der Stahlquellen. Med. Welt, 1927, 1: 1617; 1649. —

Die derzeitigen pharmakologischen Grundlagen einer rationel-

len Eisentherapie. Klin. Wschr., 1928, 7: 845. — **van Eweyk, C.** Ueber die Eigenschaften aktiver Eisenverbindungen. Biochem. Zschr., 1927, 186: 178-80. — **Broek, J. F.** The effect of large doses of iron on the absorption of phosphorus. Clin. Sc., Lond., 1937, 3: 37-45. — **Brownlee, G., Bainbridge, H. W., & Thorp, R. H.** The pharmacology of iron in parenteral treatment. Q. J. Pharm., Lond., 1942, 15: 148-65. — **Chytil, F.** Pharmacologie et toxicologie du fer. C. rend. Soc. biol., 1929, 102: 265. — **Dyson, G. M.** Iron in chemistry and pharmacy; compounds. Pharm. J., Lond., 1935, 4, ser., 81: 679. — **Eichholtz, F.** Neue Erkenntnisse zur Pharmakologie und Therapie des Eisens. Med. Klin., Berl., 1939, 35: 1279-82. — **Eweyk, C. van.** Zur Frage des aktiven Eisens. Münch. med. Wschr., 1928, 75: 350. — Ueber Eisenkomplexe. Virchows Arch., 1930, 275: 867-71. — **Fischer, H.** Neuere Ansichten über die Pharmakologie des Eisens. Schweiz. med. Wschr., 1932, 62: 193; 218; 244. — **Fowler, W. M., & Barer, A. P.** Retention and utilization of orally administered iron. Arch. Int. M., 1937, 59: 561-71. — Retention and utilization of parenterally administered iron. Ibid., 60: 967-73. — **Grinberg, E. M.** [Changes in the carbohydrate metabolism from the effect of reticulo-endothelial block caused by iron] Peditaria, Moskva, 1938, No. 11, 11-6. — **Gruice, C. G., & Sanford, H. N.** Intraperitoneal iron. Am. J. Dis. Child., 1931, 41: 53-61. — The fate of intraperitoneal iron in the human body. Acta paediat., Upps., 1932, 13: 106-10, 2 pl. — **Hamilton, H. A., & Wright, H. P.** The stimulant action of iron. Brit. M. J., 1942, 1: 54. — **Hasimoto, T.** The effect of iron on the genital organs of the rabbit female. Jap. J. Obst., 1930, 13: 59-65, 2 pl. — **Hendrych, F.** Zur Analyse der pharmakologischen Eisenwirkung; Untersuchungen an isolierten Organen. Arch. exp. Path., Berl., 1931, 161: 419-36. — **Hesse, E.** Die experimentellen Grundlagen der Eisen- und Arsentherapie. Erg. ges. Med., 1927, 10: 401-16. — **Heubner, W.** Pharmakologie des Eisens in Lichte neuer Erkenntnisse. Zschr. ärztl. Fortbild., 1926, 23: 635-60. — **Hirvonen, M.** [Parenteral ferrotherapy] Duodecim, Helsin., 1938, 54: 319-48. — **Jongh, S. E. de** [Modern views on the pharmacology of iron] Misch. kindergeneesk., 1934, 3: 251-9. — **Kauffmann-Cosla, O., & Brüll, R.** Contribution à l'action pharmacodynamique du fer dans le métabolisme général. Bull. Soc. chim. biol., Par., 1936, 18: 1493-502. — **Kötschau, K.** Ueber die Frage des aktiven Eisens. Verh. Deut. Ges. inn. Med., 1927, 39. Kongr., 398. — **Simon, A.** Zur Frage der Eisenaktivität und ihrer praktischen Bedeutung. Münch. med. Wschr., 1928, 75: 122-4. — **Kuznetsov, A. I., & Naritzyn, A. D.** [Effect of iron salts on the nerve ends of the sympathetic nervous system and epinephrine reaction of the vessels] Arch. biol. nauk, 1929, 29: 493-502. — **Lintzel, W.** Ueber die Wirkung des aktiven Eisenoxyds auf Blutbildung und Wachstum bei weissen Ratten. Biochem. Zschr., 1929, 210: 76-84. — Zur Frage des Eisenstoffwechsels; über den Eisenbedarf des Menschen. Zschr. Biol., 1929, 89: 342-9. — **Lotze, H.** Ueber den Wirkungsmechanismus oraler Eisenmedikation auf die Darmflora. Deut. Arch. klin. Med., 1933, 175: 505-19. — **Lucas, G. H. W., & Henderson, V. E.** A suggestion for the administration of iron. Canad. M. Ass. J., 1933, 28: 298-9. — On the administration of iron. Ibid., 1936, 34: 53-6. — **M'Gowan, J. P.** The absorption and excretion of iron by the intestines and the nutritional and therapeutic value of its salts. Edinburgh M. J., 1930, n. ser., 37: 85-96. — **McGuigan, H. A.** The pharmacology of iron and aluminum in relation to therapeutic uses. J. Lab. Clin. M., 1926-27, 12: 790-4. — **Mackay, H. M. M.** The stimulant action of iron. Brit. M. J., 1941, 2: 888. — **Mattis, H., & Mandrysch, E.** Einfluss von peroral gereichtem Eisen auf den tierischen Organismus. Arch. Pharm., Berl., 1931, 269: 289-91, 2 pl. — **Minot, G. R., & Heath, C. W.** The response of the reticulocytes to iron and some aspects of iron therapy. Tr. Ass. Am. Physicians, 1931, 46: 290-5. — **Nonnenbruch, W., & Pendl, F.** Versuche über die Wirkung von 2-wertigen Eisen auf den Eiweißstoffwechsel. Deut. Arch. klin. Med., 1937, 180: 636-9. — **Oldham, H., Schlutz, F. W., & Morse, M.** Utilization of organic and inorganic iron by the normal infant. Am. J. Dis. Child., 1937, 54: 252-64. — **Paderi, C.** Sur le mécanisme de l'action pharmacologique du fer. Arch. ital. biol., 1926, 76: 227-32. — **Pereira, A.** Acção farmacodinâmica do ferro. Arch. brasil. med., 1931, 21: 31-6, 3 diagr. — **Petow, H., & Kosterlitz, H.** Zur Frage des aktiven Eisens. Klin. Wschr., 1929, 8: 600. — Zur Frage des aktiven Eisens; seine Charakterisierung durch die Benzidinreaktion. Zschr. ges. exp. Med., 1929, 65: 807-24. — **Fischgold, H.** Zur Frage des aktiven Eisens; seine biologische Aktivität: kann es in der Kultur hämophiler Bakterien als X-Faktor wirken? Ibid., 66: 491-9. — **Petow, H., Kosterlitz, H., & Probst, H.** Zur Frage des aktiven Eisens; seine Wirkung auf die Blutregeneration bei der Toluylendiaminämie des Hundes. Ibid., 1930, 72: 717-25. — **Posener, K.** Ueber die theoretischen Grundlagen der Eisentherapie. Ther. Gegenwart, 1927, 68: 541-5. — **Pütz, E.** Experimentelle Untersuchungen zur Frage der parenteralen Eisentherapie. Zschr. ges. exp. Med., 1938, 104: 35-48. — **Quevenne, T. A.** Sur l'action physiologique et thérapeutique des ferrugineux. J. méd. Toulouse, 1855, 2, sér., 5: 51-8. — **Rosenfeld, L.** Ueber das Verhältnis von chemischer Reaktivität zu biologischer Aktivität bei Eisenverbindungen. Biochem. Zschr., 1927, 190: 17-27. — **Sabbatani, L.** Ricerche farmacologiche sul ferro. Biochim. ter. sper., 1926, 13: 406-13. — **Sanders, R.** Die Stoffwechselwirkung des Eisens. Arch. exp. Path., Lpz., 1930, 151: 1-11. — **Sankaran, G., & Rajagopal, K.** The effect of the administration of iron on the hemoglobin level in Indian girls

and young women. *Ind. J. M. Res.*, 1937-38, 25: 753-61.—**Schottmüller**, Ueber keimhemmende beziehungsweise bakterizide Wirkung peroral eingeführten Eisens. *Münch. med. Wschr.*, 1933, 80: 555. Also *Zbl. inn. Med.*, 1933, 54: 529. Also *Gazz. osp.*, 1934, 55: 329.—**Schulz**, H. The action and use of the inorganic medicinal substances. *J. Am. Inst. Homeop.*, 1934, 27: 283; 292.—**Sheldon**, J. H. Some considerations on the influence of copper and manganese on the therapeutic activity of iron. *Brit. M. J.*, 1932, 2: 869-72.—**Souza Lopes**, R. Estado actual da questão do ferro alimentar, hydro-mineral e medicamentoso. *Pol. med.*, Rio, 1933, 14: 399-401.—**Speranza**, C. Sull'azione terapeutica del ferro. *Gior. progr. pat.*, Venez., 1839, 10: 3-80.—**Starkenstein**, E. Beiträge zur Pharmakologie des Eisens. *Arch. exp. Path.*, Lpz., 1926, 118: 131-91. Neue pharmakologische Richtlinien für die Eisentherapie. *Med. Klin.*, Berl., 1927, 23: 111-4. Die derzeitigen pharmakologischen Grundlagen einer rationellen Eisentherapie. *Klin. Wschr.*, 1928, 7: 217; 267. Die pharmakologische und klinische Bewertung des Eisens als Heilmittel. *Erg. ges. Med.*, 1930, 14: 565-612, tab. Eisen. In *Handb. exp. Pharm.* (Heffter) 1934, 3: 682-1286. Zur Analyse der pharmakologischen und physiologischen Wirkungen des Eisens. In *Probl. biol. med.* (Leontovich, A. V.) Moskva, 1935, 339-47. — **Weden**, H. Weitere Beiträge zur Pharmakologie und Physiologie des Eisens. *Klin. Wschr.*, 1928, 7: 1220-5.—**Stieger**, G. Ueber die Wirkung verschiedener Formen des Eisens auf die Regeneration des Blutfarbstoffes. *Ibid.*, 1914.—**Suski**, P. M. Kann durch Ultravioletlichtbestrahlung der wachstumsfördernde Einfluss des Eisens verstärkt werden? *Biochem. Zschr.*, 1928, 199: 69-71.—**Wallbach**, G. Die experimentellen Grundlagen einer rationellen Eisentherapie, mit besonderer Berücksichtigung der Morphologie des Eisenstoffwechsels. *Med. Welt*, 1932, 6: 1777-80.—**Williamson**, C. S., & **Ewing**, P. Effect of administration of medicinal iron on the liver reserve; an experimental study. *Arch. Int. M.*, 1928, 42: 600-6.—**Witts**, L. J. The therapeutic action of iron. *Lancet*, Lond., 1936, 1: 1-5.

Pharmacology: Preparations.

MESSELHÄUSSER, F. *Ueber die Abspaltbarkeit des Eisens aus dem Eisentropfen durch den Magensaft [Würzburg] 12p. 8°. Ansbach, 1928.

PETSCH, H. *Beitrag zur Eisentherapie; Einwirkung des haltbaren Ferro-Eisens (Ferrostabil) auf die Bildung roter Blutkörperchen, die Blutfarbstoffbildung und den Rest-Stickstoff [Giessen] 24p. 21cm. Gelnhausen, 1935.

SIROPO DI CHINA FERRUGINOSO preparato da Antonio Vigolo e Comp., farmacisti. 21. 2½cm. Vicenza, 1874.

Abel, K. Zur Nachbehandlung nach eingreifenden gynäkologischen und geburtshilflichen Operationen, insbesondere nach grossen Blutverlusten mit Ferronovin. *Med. Klin.*, Berl., 1929, 215: 27.—**Burger**, G. N., & **Witts**, L. J. Therapeutic action of injectio ferri B. P. *Proc. R. Soc. M.*, Lond., 1934, 27: sec. ther., 447-55.—[Copper content of iron] *Ny pharm. tid.*, Kbh., 1871, 3: 344-6.—**Cornette**, P. La décoloration des liquides par les précipités ferriques. *Ann. pharm.*, Louvain, 1898, 4: 1; 62.—**Eley**, R. C. A clinical study concerning the value of Biolac as a suitable food substance and as a source of available iron for infants. *J. Pediat.*, S. Louis, 1941, 19: 470-80.—**Farini**, L. C. Delle preparazioni di ferro. *Ann. med. chir.*, Roma, 1841, 4: 61-6.—**Feil**, L. Die Eisenmedikation mit Ferro-Redoxon-Roche. *Schweiz. med. Wschr.*, 1942, 72: 1121-5.—[Ferrum oxydulat. carbonic. mellitum] *Pharm. tid.*, Kbh., 1866, 5: 94.—**Freud**, P. Erfahrungen mit dem Eisenpräparat Sideropen im Kindesalter. *Med. Klin.*, Berl., 1931, 27: 252.—**Gach**, B. Eisentherapie und unsere Erfahrungen mit Ferrersan. *Deut. med. Wschr.*, 1935, 61: 1236.—**Heubner**, W. Ueber organische Eisenpräparate. *Klin. Wschr.*, 1926, 5: 588-93. — Notiz über Sideropen. *Ibid.*, 1927, 6: 1975.—[Hydrogen-containing iron] *Ny pharm. tid.*, Kbh., 1876, 8: 150.—**Isima**, T. Ueber die durch intravenöse Reinjektion von Jodferrate hervorgerufenen Veränderungen des peripheren Blutes, der Niere und des Knochenmarkes beim erwachsenen Kaninchen, bei welchem vor der Injektion die Splenektomie durchgeführt war. *Tr. Jap. Path. Soc.*, 1932, 22: 539-41.—**Kauffmann-Cosla**, O. [Pharmacodynamics of iron preparations in modern therapy] *România med.*, 1929, 7: 30.—**Kayser-Petersen**, J. E. Erfahrungen mit Duploferin. *Münch. med. Wschr.*, 1923, 70: 771.—**Knust**, J. E. Ueber Aegrosan; eine neue Eisenindikation. *Fortsch. Ther.*, 1929, 5: 24.—**Laland**, P. [Biologically active iron preparations] *Med. rev.*, Beren, 1929, 46: 487-97.—**Laufberger**, V. [Preparation of crystallized ferritin from the liver] *Cas. lek. česk.*, 1936, 75: 1533.—**Mairone**, M. Solfato di zinco ferro-manganoso del commercio. *Gior. farm. chim.*, Tor., 1864, 13: 193-8.—**Marfiori**, P., & **Chistoni**, A. Intorno al saggio biologico dei preparati di ferro proposto dal prof. Sabbatani. *Biochim. ter. sper.*, 1926, 13: 335-8.—**Mimuro**, K. Durch Reinjektionen von verdünnter Jodferrate hervorgerufene Schwankungen des Bluteisens und erstauende Wucherung der Reticuloendothelien des Knochenmarkes bei Kaninchen. *Tr. Soc. Path. Jap.*, 1936, 26: 172-9.—**Morpurgo**, G. Estratto di malato

di ferro impuro. *Gior. farm.*, Trieste, 1897, 2: 67.—**Ostwald**, E. Nucleogen zur Unterstützung der Behandlung von Hautkrankungen. *Fortsch. Med.*, 1922, 40: 617.—**Pavesi**, C. Nuovo metodo per conservare inalterato il protosolfato di ferro ed il proto-iolduro di ferro. *Gior. farm. chim.*, Tor., 1865, 14: 347-51. — Conservation du sulfate et de l'iodure ferreux. *J. chim. méd.*, Par., 1866, 5. ser., 2: 249. — Dei melliti e specialmente del mellito ferroso, anche come agente di conservazione del ioduro ferroso. *Gior. farm. chim.*, Tor., 1875, 24: 245-8.—**Petsch**, H. Die Einwirkung von haltbarem Ferro-Eisen (Ferrostabil) auf das Blutbild und den Reststickstoff. *Fortsch. Ther.*, 1936, 12: 537-40.—**Piper**, A. [Iron-saccharat capsules and dissolving of iron-saccharat] *Pharm. tid.*, Kbh., 1867, 6: 39-42.—**Polland**, R. Arsoferrin-Tektolettes bei Hautkrankungen. *Wien. med. Wschr.*, 1919, 69: 259.—**Preuss**, J. Ueber Sideropen. *Med. Klin.*, Berl., 1927, 23: 60.—**Sabbatani**, L. Saggio biologico dei preparati di ferro per uso ipodermico. *Biochim. ter. sper.*, 1926, 13: 225-30.—**Schreiber**, H. Ueber ein injizierbares Eisenpräparat. *Zschr. klin. Med.*, 1927, 106: 183-6.—**Semmola**, G. De' medicamenti preparati col ferro, e particolarmente del tartrato di ferro e di potassa. *Ann. clin. Osp. incurab.*, Nap., 1839, 5: 213-25. — De' medicamenti preparati col ferro e particolarmente di quelli fatti coll'acido tartarico. *Filiatre sebezio*, Nap., 1840, 19: 153-6.—**Sheldon**, J. H., & **Ramage**, H. On the occurrence of copper and manganese in preparations of iron. *Q. J. Med.*, Oxf., 1932, n. ser., 1: 135-9.—[Soluto ferri dialysati] *Ny pharm. tid.*, Kbh., 1879, 11: 14.—**Sonnenfeld**, A. Ueber ein injizierbares Eisenpräparat. *Klin. Wschr.*, 1927, 6: 287.—**Spies**, H. Eisentherapie und Ferrersan. *Fortsch. Ther.*, 1936, 12: 568-70.—**Starkenstein**, E. Therapeutischer Wert und chemische Wertigkeit der Eisenpräparate. *Thor. Gegenwart*, 1928, 69: 394; 451.—[Sugar-iron capsules; dissolving of the iron in the sugar capsule] *Pharm. tid.*, Kbh., 1866, 5: 401-3.—**Valledor**, G. El hierro y sus preparados. *Rev. med. contemp.*, Madr., 1910, 32: 129; 145.

phosphate.

See under **Phosphorus**, Compounds and derivatives.

Physical properties.

See also **Magnetism**.

Kamegai, S. Ueber die polarographische Untersuchung des Eisens. *J. Biochem.*, Tokyo, 1939, 29: 285-8.—**Kondorsky**, E. On the theory of the normal and ideal magnetization curve of a polycrystalline ferromagnetic. *C. rend. Acad. sc. URSS*, 1941, 32: 323-6.—**Michaelis**, L., & **Granick**, S. The magnetic susceptibility of the brown ferric phenanthroline complex. *J. Am. Chem. Soc.*, 1943, 65: 481.—**Potter**, H. H. The magnetocaloric effect and other magnetic phenomena in iron. *Proc. R. Soc.*, Lond., 1934, 146: ser. A, 362-87.—**Shipley**, J. W., & **Shipley**, J. H. The electrode potential of iron in relation to hydrogen ion concentration. *Canad. J. Res.*, 1936, 14: Sect. B, 31-40.

Protein compounds.

See also **Hematin**; **Hemoglobin**, etc.

Ariola, V. Sulle metalloproteine; la fissazione del ferro. *Gior. Acad. med. Torino*, 1922, 4. ser., 28: 139-53.—**Colarizi**, A., & **Scappaticci**, R. La reazione al peptonato di ferro in diverse condizioni morbose dell'infanzia. *Boll. Acad. med. Roma*, 1937, 63: 20-53.—**Ewe**, G. Assay of solution of iron peptonate and manganese. *Bull. Nat. Formul. Com. U. S.*, 1938-39, 7: 267.—**Fischer**, F. G., & **Hultzsch**, K. Ueber die Bindung des Eisens in Eiweissstoffen. *Biochem. Zschr.*, 1938, 299: 104-22.

radioactive.

Balfour, W. M. The absorption of radioactive iron in human beings. *Fed. Proc.*, Balt., 1942, 1: pt 2, 174 (Abstr.)—**Hahn**, P. F. [et al.] Radioactive iron absorption in clinical conditions; normal, pregnancy, anemia, and hemochromatosis. *J. Exp. M.*, 1942, 76: 15-30.—**Chapin**, M. A., & **Ross**, J. F. Factors influencing the metabolism of radioactive iron in human subjects. *Fed. Proc.*, Balt., 1942, 1: pt 2, 175 (Abstr.)—**Hahn**, P. F. Absorption of radioactive iron. *Arch. Path.*, Chic., 1939, 28: 758.—**Bale**, W. F. [et al.] Radioactive iron and its excretion in urine, bile, and feces. *J. Exp. M.*, 1939, 70: 443-51. — Radio-iron in plasma does not exchange with hemoglobin iron in red cells. *Science*, 1940, 92: 131.—**Hahn**, P. F., **Balfour**, W. M. [et al.] Red cell volume circulating and total as determined by radio iron. *Ibid.*, 1941, 93: 87.—**Hettig**, R. A., & **Bale**, W. F. Excretion of radioactive iron in dogs. *Arch. Path.*, Chic., 1939, 28: 758.—**Pommerenke**, W. T., **Hahn**, P. F. [et al.] Transmission of radio-active iron to the human fetus. *Am. J. Physiol.*, 1942, 137: 164-70.—**Ross**, J. F. Radioactive iron in experimental medicine. *Bull. New England M. Center*, 1942, 4: 220-3. — & **Chapin**, M. A. The electrolytic separation of radioactive iron from the blood. *Rev. Sc. Instrum.*, 1942, 13: 77-80.

reduced.

Carles, P. Ferro ridotto coll'idrogeno. *Gior. farm. chim.*, Tor., 1874, 23: 438-42.—**Crolas**. Modificazioni alla prepara-

zione del ferro ridotto coll'idrogeno allo scopo di ottenerlo completamente puro. *Ibid.*, 340-2.—**Heraeus**, W. [Production of ferrum reductum]. *Ny pharm. tid.*, Kbh., 1874, 6: 110.—[Investigations of ferrum reductum] *Ibid.*, 1880, 12: 339-41.—[Manufacture of ferrum hydrogenio reductum] *Pharm. tid.*, Kbh., 1863-64, 3: 76.—**Tvede**, L., & **Lotze**, G. [On ferrum reductum] *Ny pharm. tid.*, Kbh., 1869, 1: 87; 101.

— Siderosis.

See also subheading Histology; also Hemochromatosis; Pneumokoniosis; Porphyria, etc.

Bentzen, T. E. A case of acute siderosis. *Acta radiol.*, Stockh., 1933, 14: 344-8, pl.—**Bohrod**, M. G. Pulmonary siderosis; 2 cases with reticulo-endothelial siderosis. *Tr. Chicago Path. Soc.*, 1930, 13: 233-52. Also *Arch. Path.*, Chic., 1930, 10: 179-96, pl.—**Borromeo**, G. Le lesioni necrobiotiche siderotiche del connettivo della milza e degli altri organi. *Riv. osp.*, 1933, 23: 37-63.—**De Giorgio**, A. Siderosi. *Gior. ital. derm. sif.*, 1937, 78: No. 1, Suppl., 94-7.—**Feil**, A. La sidérose professionnelle. *Paris méd.*, 1936, 101: 365-71.—**Gadrat**, J., & **Bazex**, A. Sur l'origine de certaines sideroses cutanées. *Bull. Soc. fr. derm. syph.*, 1939, 46: 725-8.—**Hanns**, A. Un cas de sidérose pulmonaire. *Presse méd.*, 1935, 43: 865.—**Henriques**, V., & **Okkels**, H. Das weitere Verhalten experimentell erzeugter Eisenablagerungen innerhalb der parenchymatösen Organe. *Zschr. Zellforsch.*, 1930, 12: 155-66.—**Iwao**, T. Ueber die experimentelle Eisenablagerung des Herzheutels, des Zwerchfells und der Nierenkapsel. *Tr. Soc. path. jap.*, 1933, 23: 194.—& **Hirai**, M. The histological investigation of the experimental iron deposition in the appendages of the uterus. *Ibid.*, 213-5.—**Kurihara**, M. Histochemische Untersuchungen der experimentell hervorgerufenen Meningealsiderose. *Tr. Jap. Path. Soc.*, 1932, 22: 867-9.—**Lorenz**, E., & **Menkin**, V. Experimental siderosis; spectroscopic studies of iron-containing pigment. *Arch. Path.*, Chic., 1936, 22: 82-5.—**Makarov**, P. Ueber die Morphologie der Eiseneinschlüsse in der Zelle. *Zschr. Zellforsch.*, 1933, 19: 28-49.—**Menkin**, V. The accumulation of iron in tuberculous areas; survival time of tuberculous rabbits injected with ferric chloride. *J. Exp. M.*, 1932, 55: 101-8.—Experimental siderosis. *Arch. Path.*, Chic., 1935, 19: 53-60, pl.—& **Talmadge**, S. M. Experimental siderosis; iron-containing pigment in absence of breakdown of hemoglobin. *Ibid.*, 61-5.—**Morito**, K. Ueber die durch intravenöse Injektion von Hemosol hervorgerufene Eisenablagerung bei den erwachsenen Kaninchen. *Tr. Jap. Path. Soc.*, 1929, 19: 206.—Ueber die durch subcutane und intraabdominelle Reinjektionen von Kolloidsolen (Hemosol) hervorgerufene Eisenablagerung sowie Anämie bei erwachsenen Meerschweinchen. *Ibid.*, 1932, 22: 137-40.—**Mühlmann**, M. Zur Frage der Bedeutung der Lipoidsiderose der Hirnkapillaren für die Entstehung der Hypertonie und der Arteriosklerose. *Virchows Arch.*, 1927-28, 266: 712-30.—**Nanta**, A., & **Sendrill**, M. Reproduction expérimentale des incrustations sidérosiques observées dans les nodules du Gandy-Gamna. *C. rend. Soc. biol.*, 1933, 112: 118-20.—**O'Donovan**, W. J. Case of iron-stone pigmentation of the face (with natural and infra-red photographs). *Brit. J. Derm. Syph.*, 1935, 47: 471.—**Podkaminsky**, N. A. Aspect radiologique de sidérose des poudrons. *Bull. Soc. radiol. méd. France*, 1931, 19: 283-5.—**Scheid**, K. F. Ueber exogene und endogene Eisenablagerungen in der Lunge. *Beitr. path. Anat.*, 1931, 88: 224-40, pl.—**Schnizer**, von. Dienstbeschädigung für eine Eisenlunge abgelehnt. *Fortsch. Med.*, 1927, 45: pt 2, 647-50.—**Taylor**, J., **Stiven**, D., & **Reid**, E. W. Experimental and idiopathic siderosis in cats. *J. Indiana M. Ass.*, 1935, 28: 397-405, 5 pl.

— Steel.

See Steel.

— Sulfur compounds.

Clarke, D. A. A stable syrup of ferrous sulfate. *J. Am. Pharm. Ass., Pract. Pharm. Ed.*, 1941, 2: 4-6.—**Coppo**, M. Sull'azione emolitica in vivo del solfato ferroso. *Boll. Soc. ital. biol. sper.*, 1930, 5: 262-6.—**Ferrous** sulfate, desiccated. *J. Am. M. Ass.*, 1939, 113: 2321.—**Hansen**, C. [Method for quick purification of sulphates of iron] *Ny pharm. tid.*, Kbh., 1869, 1: 5-7.—**Huyck**, C. L. The effect of certain agents on the stability of ferrous sulfate solutions. *Am. J. Pharm.*, 1941, 113: 189-95.—**Pavesi**, G. Nuovi reagenti, gelatina animale, albumina, tintura di guaiaco e carta amido iodurata, per distinguere il protosolfato di ferro dal persolfato. *Gior. farm. chim.*, Tor., 1874, 23: 145-8.—**Roberts**, H. S. Polymorphism in the FeS-S solid solutions; thermal study. *J. Am. Chem. Soc.*, 1935, 57: 1034-8.—**Rosin**, J. Ferric sulfate, reagent, new monograph. *Bull. Nat. Formulary Com. U. S.*, 1940-41, 9: 57.—**Solution** of ferric subsulfate. *J. Am. M. Ass.*, 1940, 115: 303.

— Therapeutic use.

See also subheading Pharmacology.

Arrowsmith, W. R. Some reasons for failure of iron therapy in certain cases. *Week. Bull. S. Louis M. Soc.*, 1940-41, 35: 146.—**Awe**, W. Ein Beitrag zur Eisentherapie. *Münch. med. Wschr.*, 1936, 83: 1883-5.—**Bickel**, A. Praktische Therapie mit Eisenpräparaten und Stahlquellen. *Deut. med. Wschr.*, 1928, 54: 1581-4.—**Burgon**, E. A., & **Joss**, G. E. The

administration of iron to sucking pigs. *Vet. Rec.*, Lond., 1938, 50: 1697.—**Conferences** on therapy; treatment of blood disorders; iron therapy. *J. Am. M. Ass.*, 1940, 114: 2207-14.—**Du Bois**, E. La terapia ferrica delle malattie del sangue. *Minerva med.*, Tor., 1941, 32: 331 (Abstr.).—**Eder**, H. L. Iron therapy: a routine procedure during infancy. *Arch. Pediat.*, N. Y., 1934, 51: 701-13.—**Ferrotherapy**. *Squibb Mem.*, N. Y., 1939, 18: No. 3, 15.—**Fischler**, F. Zum heutigen Stande der Eisentherapie. *Deut. med. Wschr.*, 1926, 52: 664-6.—**Freud**, P. Ueber die Anwendung moderner Eisenpräparate im Säuglings- und Kleinkindesalter. *Med. Klin.*, Berl., 1929, 25: 1102.—**Goldwater**, L. J. A short history of iron therapy. *Ann. M. Hist.*, 1935, 7: 261-7.—**Guenther**, F. Die Eisentherapie auf neuerer pharmakologischer Grundlage. *Berl. tierärztl. Wschr.*, 1937, 53: 624.—**Hawksley**, J. C. Modern therapeutics; the therapeutics of iron. *Practitioner*, Lond., 1939, 143: 215-21.—**Kuhn**, A. Biologically active iron in homeopathy. *J. Am. Inst. Homcop.*, 1934, 27: 331-3.—**Nikolaev**, N. M., & **Sparo**, L. A. [Therapeutic use of metallic iron] *Klin. med.*, Moskva, 1931, 9: 637-42. Also *Zschr. ges. exp. Med.*, 1931, 76: 673-9.—**Pezold**, A. von. Erfahrungen in der Eisentherapie. *Med. Welt*, 1930, 4: 1109.—**Podolsky**, E. The uses of iron in medicine. *J. Ayurveda*, 1933, 9: 401-5.—The therapeutics of iron. *Eclect. M. J.*, 1934, 94: 364-7.—**Schulten**, H. Ueber die Eisentherapie, ihre Geschichte, experimentelle Grundlage und praktische Anwendung. *Ther. Gegenwart*, 1934, 75: 341-5.—**Siboni**, G. Ferroterapia. *Boll. chim. farm.*, 1929, 68: 447; 544; 640.—**Starkenstein**, E. Wirksame Eisentherapie. *Fortsch. Ther.*, 1930, 6: 97-104.—**Stollis**, D. Beitrag zur Eisenbehandlung der Anämie im Säuglings- und Kindesalter. *Deut. med. Wschr.*, 1937, 63: 819-22.—**Thoenes**, F. Zur Eisentherapie im Kindesalter. *Ther. Gegenwart*, 1934, 75: 346-9.—**Tocantins**, L. M. Iron. In *Cyclop. Med.* (Piersol-Bortz) Phila., 1939, 8: 153-66.—**Wichowski**, W. Die Eisentherapie im Lichte der neueren Forschung. *Med. Klin.*, Berl., 1927, 23: 1765-7.—**Witts**, L. J., **Davies**, D. T. [et al.] Discussion on the therapeutic uses of iron. *Proc. R. Soc. M.*, Lond., 1930-31, 24: Sect. Ther. Pharm., 543-60.

— Therapeutic use: Untoward effects.

Blass, J. L. Iron-stained teeth. *Dent. Surv.*, 1942, 18: 57.—**Karaila**, E. Ueber die Einwirkung der Eisenpräparate auf die Zähne. *Acta paediat.*, Upps., 1937, 21: 205-7.—**Reynier**, C. E. Pigmentation following the use of iron salts. *Arch. Derm. Syph.*, Chic., 1939, 40: 380.—**Sjöberg**, H. Symptoms of ileus from retention of iron in cecum following the administration of large doses of iron. *Acta med. scand.*, 1935, 85: 129-35.

IRON age.

See also Man, prehistoric.

Childe, V. G. Prehistoric iron. *Man*, Lond., 1941, 41: 139.—**Coghlan**, H. H. Prehistoric iron prior to the dispersion of the Hittite empire. *Ibid.*, 74-80.—**Goodman**, C. N., & **Morant**, G. M. The human remains of the iron age and other periods from Maiden Castle, Dorset. *Biometrika*, Camb., 1939-40, 31: 295-312, 3 pl., 2 tab.—**Raftery**, J. Long stone cists of the Early Iron Age. *Proc. R. Irish Acad.*, 1941, 46: sect. C, 299-315, pl.—**Wainwright**, G. A. Early records of iron in Abyssinia. *Man*, Lond., 1942, 42: 84-8.—The coming of iron to some African peoples. *Ibid.*, 103-8.

IRON bacterium.

See also Gallionella; Leptothrix; Water, Bacteriology.

INSOM, T. *Recherche sull'assunzione del ferro da parte dei protofitti. 67p. 8°. Padova, 1932.

SAUER, J. *Untersuchungen über eisen-speichernde Bakterien (Leptothrix; Aktinomyeten; Ferribakterium duplex) [Kiel] 45p. 8°. Quakenbrück, 1934.

Beckwith, T. D. The bacterial corrosion of iron and steel. *J. Am. Water Works Ass.*, 1941, 33: 147-67.—**Biswas**, K. Studies on Indian iron-bacteria. *Biol. gen.*, Wien, 1937, 13: 421-34, pl.—**Carroll**, E. B. Control of iron bacteria by super-chlorination. *J. Am. Water Works Ass.*, 1941, 33: 168-70.—**Cholodny**, N. Methoden zur Kultur der Eisenbakterien. In *Handb. biol. Arbeitsmeth.* (Abderhalden, E.) Berl., 1939, Abt. 12, 2: 1: 889-903.—**Ellis**, D. The iron-bacteria. *Discovery*, Lond., 1924, 5: 237-40.—**Gams**, H. Neue Untersuchungen über Eisenorganismen. *Mikrokosmos*, Stuttg., 1922-23, 16: 199-201.—**Harder**, E. C. Iron bacteria. *Science*, 1915, n. ser., 42: 310.—**Hardman**, Y., & **Henrici**, A. T. Studies of freshwater bacteria; the distribution of Siderocapsa rubrii in some lakes and streams. *J. Bact.*, Balt., 1939, 37: 97-105, incl. pl.—**Kholodny**, N. G. [Ecology of iron bacteria] *Mikrobiologia*, Moskva, 1937, 6: 843-8.—[Right and wrong ways in investigations of ferrobacteria] *Ibid.*, 1941, 10: 415-8.—**Monti**, A. Contributo alla biologia dei ferrobatteri. *Boll. Soc. ital. biol. sper.*, 1930, 5: 420-3.—**Naumann**, E. Streitfragen der Eisenbakterien-Forschung. *Zbl. Bakt.*, 2. Abt., 1929, 78: 380-4.—**Preobrazhenskaia**, M. R. [Ecology

and biology of iron bacteria] Mikrobiologia, Moskva, 1937, 6: 339-50. — [Certain new data on iron-bacteria] Priroda, Leningrad, 1937, 26: 114-6. — **Schorler, B.** Beiträge zur Kenntnis der Eisenbakterien. Zbl. Bakt., 2. Abt., 1904, 12: 681-95. — **Waring, W. S., & Werkman, C. H.** Iron requirements of heterotrophic bacteria. Arch. Biochem., N. Y., 1942-43, 1: 425-33. — **Winogradsky, S.** Eisenbakterien als Anorgoxydanten. Zbl. Bakt., 2. Abt., 1922-23, 57: 1-21. — Ferrobactéries; travaux récents. Bull. Inst. Pasteur, Par., 1928, 26: 625-30.

IRON industry [and steel]

See also **Iron worker; Metal industry.**

KLEIN, H. *Die neueste Entwicklung der Siegerländer Eisenindustrie [Philos.] [4]p. 22½cm. [Giessen, 1924]

MYERS, C. S. A study of improved methods in an iron foundry. 8p. 8°. Lond., 1919.

Badham, C. Galvanizing room, 20th October. Rep. Dir. Pub. Health N. S. Wales (1936) 1938, 97. — **Bordas, F.** Le transport et le stockage des ferro-silicium au point de vue de la santé publique. Ann. hyg., Par., 1931, n. ser., 9: 1-14. — **Ezekiel, M., & Wylie, K. H.** Cost functions for the steel industry. J. Am. Statist. Ass., 1941, n. ser., 36: 91-9. — **Minkov, Z. I.** [Appliance for elimination of gases during drying of castings in foundries] Gig. & zdorov., 1942, 7: No. 10, 48. — **Weissbreit, D. N.** [Chemical changes in the composition of air during 24 hours in the casting room of the Voronezh locomotive repair factory Dzerzhinsky] Tr. Voronezh. med. inst., 1932, 1-6.

IRONS, Ernest Edward, 1877-

See **Hatcher, R. A., Irons, E. E.** [et al.] Epitome of the Pharmacopoeia of the United States. 238p. 16°. Chic. [1931] For biography see Ann. Int. M., 1942, 16: 1033, portr. For portrait see Nu Sigma. Nu Bull., 1940-41, 30: 255. Also J. Am. M. Ass., 1942, 119: opp. p. 467; 1943, 122: opp. 349.

IRON worker [and steel worker]

See also **Iron industry; Metal worker; Silicosis, etc.**

WATKINS, J. A. Health conservation at steel mills. 36p. 8°. Wash., 1916.

Beintker, E. Eisenindustrie und Gesundheit; die Verfeinerungsverfahren. Med. Welt, 1935, 9: 364-6. — **Bönig, Unfall- und Gesundheitsschutz in Thomasstahlwerken.** Arbeitsschutz, 1939, 334-8. — **Carleton, H. M.** The effects produced by the inhalation of haematite and iron dusts in guinea-pigs. J. Hyg., Camb., 1927-28, 26: 227-34. — **Collis, E. L., & Goadby, Sir K. W.** Dust inhalation and iron ore mining. J. Indust. Hyg., 1930, 12: 266-80. — **Day, F. E. H.** Gastro-intestinal diseases among steel workers. Canad. Pub. Health J., 1939, 30: 555-7. — **Fehnel, J. W.** Health hazards in steel mills. Indust. M., 1942, 11: 358-60. — **Govseev, N. A., & Rossin, S. A.** [Etiology and prophylaxis of angioneurosis of the upper extremities in iron workers (hammers)] Sovet. nevropat., 1935, 4: No. 5, 115-22. — **Heim de Balsac, F. & Feil, A.** Poussières et hygiène dans les mines de fer; sidérose des mineurs de fer et ses caractères. Bull. Acad. méd., Par., 1934, 3. ser., 111: 945-7. Also Presse méd., 1934, 42: 1159. L'état pulmonaire des professionnels des mines de fer de Lorraine; la sidérose des mineurs de fer et ses caractères. Ber. Internat. Kongr. Unfallmed. (1938) 1939, 8. Congr., 2: 985. — **Humperdinck, K.** Eisenstaublung. Bull. Hyg., Lond., 1942, 17: 748 (Abstr.). — **Israelson, Z. I.** [Hygienic problems in high-grade steel industry] Gig. & zdorov., 1941, 6: No. 6, 27-30. — **Lawson, G. B., Jackson, W. P., & Gardner, J. E.** Pneumoconiosis in iron miners. J. Am. M. Ass., 1931, 96: 1129-31. — **Moschinski, G.** Die Gefäßstörungen der Gussputzer. Arch. Gewerbepath., 1938-39, 9: 689-97. — **Naeslund, C.** Experimental investigations concerning the liability to silicosis amongst workmen in iron mines. J. Indust. Hyg., 1938, 20: 435-53. — **Pfannenstiel, W.** Gesundheitsgefahren in der Eisenindustrie und ihre Verhütung. Zbl. Gewerbehyg., 1930, n. F., 7: 198; 224. — **Schneider, W. F.** Spaltlamellenmikroskopie der Augen der Feuerarbeiter eines Eisenwalzwerkes während und unmittelbar nach der Arbeit. Arch. Ophth., Berl., 1933-34, 131: 599; 1934, 132: 430. — **Shoudy, L. A.** Sickness in the steel industry. Hahmann. Month., 1931, 66: 401-12. — **Skin hazards in iron and steel manufacture.** Pub. Health Bull., Wash., 1939, 249: 48-61, 2 fig. — **Somewhere in England; maintaining the health of the steel worker.** Nurs. Times, Lond., 1942, 38: 306. — **Tasner, J.** Knochenbrüche in der schweren Eisenindustries. Ber. Internat. Kongr. Unfallmed. (1938) 1939, 8. Congr., 2: 623-6. — **Vassiliev, V. N.** [Physical development of workmen in steel production factories in Perm, Russia] Profess. pat. gig., 1928, 27-37. — [Blood picture of workmen from steel production factories in Perm (Russia)] Ibid., 45-9. — **Vernon, H. M.** The effect of atmospheric conditions on efficiency in iron, steel, and tinplate production. Annual Rep. Indust. Fatigue Res. Bd., Lond. (1922) 1923, 3: 61. — **Winterhager.** Berufsgefahren und Arbeiterschutz in Eisengießereien. Arbeiterschutz, 1926, 2: 101-6.

IROQUOIS.

See under **Indian.**

IRRADIATED Evaporated Milk Institute.

See **Chicago, Ill.** Irradiated Evaporated Milk Institute.

IRRADIATION.

See **Radiation; Radiotherapy.**

IRRATIONALISM.

See also **Intuition; Knowledge; Rationalism; Reasoning; Philosophy.**

Cohn, A. E. No retreat from reason. In Science & Man (Anshen, R. N.) N. Y., 1942, 97-118. — **Horkheimer, M.** The end of reason. Stud. Philos. & Social Sc., 1941, 9: 366-88. — **Jankelevitch, V.** Deux philosophes de la vie: Bergson, Guyan. Rev. philos. France, 1924, 97: 402-49. — **Sihle, M.** Zum Problem einer Synthese des Rationalen und Irrationalen vom ärztlichen Standpunkt. In Einheitsbestr. (Kongr. med. Synthese) (1932) 1933, 2. Congr., 7-20. — **Weizsäcker, V. von.** Das Antilogische. Psychol. Forsch., 1923, 3: 295-318.

IRRESPONSIBILITY.

See also **Impulsive state; Incapacity; Insanity, Responsibility; Responsibility.**

DETERS, F. *Ueber Haftfähigkeit [Münster] 27p. 8°. Quakenbrück, 1936.

LE MANSOIS DUPREY, P. *Etude médico-sociale sur les questions de responsabilité atténuée. 118p. 8°. Lyon, 1908.

LÜTSCHG, J. *Die Beurteilung der vermindert Zurechnungsfähigen vor dem bernischen Strafgericht [Gen.] 23p. 8°. Naumburg a. S., 1910.

Also Mschr. Krim. Psychol., 1910, 7: 385-407.

MANSER, J. B. *Beitrag zur Frage der verminderten Zurechnungsfähigkeit [Zürich] 92p. 8°. Halle, 1932.

STAHL, R. *Ueber partielle Zurechnungsfähigkeit. 13p. 8°. Bonn, 1920.

Altavilla, E. Responsabilità legale e sistema di difesa sociale nel progetto di nuovo codice criminale. Scuola posit., 1922, 32: 214-26. — **Bancroft, C. P.** Ought limited responsibility to be recognized by the courts. Am. J. Insan., 1917-18, 74: 139-48. — **Bleuler, E.** Zurechnungsfähigkeit und Krankheit. Zbl. Nervenhe., 1909, 32: 241-6. — **Boigey, M.** Passion, crime et responsabilité. Arch. anthrop. crim., Lyon, 1914, 29: 287-97. — **Bonhoeffer, K.** Bemerkungen zur Frage der Einführung der verminderten Zurechnungsfähigkeit. Charité Ann., Berl., 1913, 37: 101-9. — **Bosch, R.** El examen médico-legal de los criminales antes de la condena para establecer su grado de imputabilidad. Actas Conf. lat. amer. neur., 1929, 1. Conf., 2: 215-22. — **Braun, E.** Die vermindert Zurechnungsfähigen. Med. Klin., Berl., 1934, 30: 1513-6. — **Carrara, M.** Die biologische Grundlage der partiellen Zurechnungsfähigkeit. Mschr. Krim. Psychol., 1926, 17: 428-36. — **Delplano, J., López Bancalari, E., & Malbrán, J.** Alcoholismo y responsabilidad penal. Prensa med. argent., 1942, 29: 137-43. — **Dyrenfurth, F.** Ueber Grenzen der Zurechnungsfähigkeit. Zschr. ärztl. Fortbild., 1932, 29: 171-4. — **Ebermayer.** Haftfähig oder haftunfähig? Deut. med. Wschr., 1925, 51: 1078-80. — **Engel, J.** Die strafrechtliche Unzurechnungsfähigkeit. Med. Welt, 1936, 10: 1486-90. — **Engelen, O.** Behandlung der sogenannten vermindert Zurechnungsfähigen. Jurist. psychiat. Grenzfr., 1913, 9: Heft 1, 1-18. — **Francotte, X.** Des circonstances qui justifient ou nécessitent l'examen mental de l'inculpé. J. neur., Par., 1908, 13: 281; 301. — **Giovine, N.** Italianische Gesetzgebung und Rechtsprechung betreffend die strafrechtliche Zurechnungsfähigkeit. Fortsch. Neur. Psychiat., 1937, 9: 40-50. — **Giraud, A.** La question de la responsabilité d'après les dernières publications de M. Grasset et de M. Maivet. Ann. méd. psychol., Par., 1908, 9. ser., 8: 15-34. — **Gordon, A.** Morbid impulse, criminal act and mental responsibility. Med. Times, N. Y., 1930, 58: 354-6. — **Grasset, M.** La responsabilité atténuée des inculpés, question médico-sociale. J. méd. int., Par., 1913, 27: 121; 131. Also Rev. sc., Par., 1913, 1: 513-23. — **Gregoraci, G.** La circolare del ministro Rocco ed il problema della imputabilità nei reati passionali. Scuola posit., 1930, n. ser., 10: 353-9. — **Herschmann, H.** Der Unzurechnungsfähigkeitsparagraf im neuen deutschen Strafgesetzentwurf. Jahrb. Psychiat. Neur., 1921-22, 41: 109-22. — Ueber die sogenannte verminderte Zurechnungsfähigkeit und die sichernden Massnahmen in den deutschen und österreichischen Strafgesetzentwürfen vom Jahre 1927. Arch. Psychiat., Berl., 1927, 82: 331-8. — Forensisch-Kriminalistisches. Wien. med. Wschr., 1927, 77: 249-52. — **Homburger, A.** Zur Frage der verminderten Zurechnungsfähigkeit. Deut. med. Wschr.,

1928, 54: 1363-6.—**Hyslop, T. B.** The medico-psychological standpoint as to irresponsibility. Med. Press. & Circ., Lond., 1926, n. ser., 121: 253-7.—**Jauregg, W. von.** Der Zurechnungsunfähigkeits-Paragraf im Strafrechtentwurf. Wien. med. Wschr., 1911, 61: 177; 256.—**Kahl, W.** Die Bestimmungen über Unzurechnungsfähigkeit und verminderte Zurechnungsfähigkeit im Vorentwurf eines deutschen Strafrechtzbuches. Aeztl. Sachverst. Ztg., 1910, 16: 89-96.—**Der Stand der europäischen Gesetzgebung über verminderte Zurechnungsfähigkeit.** Deut. med. Wschr., 1911, 37: 2041-14.—**Laignel-Lavastine, M.** La capacité pénale. Paris méd., 1919, 33: 263-8.—**Lebrun.** La responsabilité et la responsabilité atténuée devant le code pénal. Arch. internat. méd. lég., Brux., 1910, Suppl., 115-29.—**Lefèvre, L.** L'expertise medico-légale au point de vue de la détermination du degré de responsabilité pénale. Arch. méd. belges, 1920, 73: 195-213.—**Lieske, H.** Die geminderte Zurechnungsfähigkeit nach dem neuesten Stand der Strafrechtsreform zum jüngst beendeten Entwurf eines Deutschen Strafrechtzbuches. J. Psychol. Neur., Lpz., 1915, 21: 247-53.—**Luxemburger, H.** Verminderte Zurechnungsfähigkeit oder Zurechnungsfähigkeit mit milderer Schuld? Psychiat. neur. Wschr., 1928, 30: 507-11.—**Lyustri-ski, V. V.** [Reduced responsibility] Psychiat. gaz., Petrogr., 1915, 2: 397-400.—**Maier, H. W.** Der Arzt und das neue schweiz. Strafrechtzbuch; Unzurechnungsfähigkeit. Schweiz. med. Wschr., 1942, 72: 75.—**Marcuse, M.** Schuld und Zurechnungsfähigkeit. Zschr. Sexwiss., 1927-28, 14: 428-30.—**Marthen.** Psychiatrische Korrigendenuntersuchungen. Zschr. ges. Neur. Psychiat., 1914, 22: Orig., 286-305.—**Marx, H.** Ueber Haftfähigkeit. Aeztl. Sachverst. Ztg., 1909, 15: 45-8.—**Mathé.** Etude sur la responsabilité atténuée; lois faites dans les divers pays. lois à faire concernant les criminels et la responsabilité atténuée. Arch. internat. méd. lég., Brux., 1910, Suppl., 129-98.—**Mezger, E.** Persönlichkeit und strafrechtliche Zurechnung. Grenzfr. Nerv. Seelenleb., 1926, H. 124: 1-42.—**Mönkemöller.** Epikritische Betrachtungen über den Plötzensekprozess. Deut. med. Wschr., 1905, 31: 1076; 1116.—**Moravcsik, E. E.** La question de la détention des personnes à responsabilité restreinte et des ivrognes invétérés. Arch. anthrop. crim., Lyon, 1906, 21: 283-95.—**Muñozerro, L. A.** Irresponsabilidad. In his Moral méd. en los sacram., Madr., 1941, 257.—**Papadaki, A.** La responsabilité atténuée et l'avant-projet de Code pénal fédéral suisse. J. neur., Par., 1910, 15: 161-9.—**Parant, V., père.** La responsabilité atténuée et sa sanction pénale. Ann. méd. psychol., Par., 1912, 10, ser., 1: 439-58.—**Pardo, L.** Psychiatric aspects of criminal responsibility. Month. Bull. Philippine Health Serv., 1932, 12: 262.—**Perrens, C.** A propos de la responsabilité atténuée. J. méd. Bordeaux, 1913, 43: 71-4.—**Raimann, E.** Zur verminderten Zurechnungsfähigkeit. Wien. klin. Wschr., 1928, 41: 452-5.—**Rossi, E.** Sullo stato mentale di Gilardi Battista imputato di appiccato incendio a danno di Fusi Angelo. Ann. freniat., For., 1907, 17: 62-70.—**Ruiz-Funes, M.** La formula dell'imputabilità penale. Arch. antrop. crim., Tor., 1931, 51: 735-46.—**Saint-Paul, G.** Les médecins experts et les stigmates d'irresponsabilité. Rev. internat. méd. chir., Par., 1909, 20: 321-4.—**Schlegel, A.** Die Beurteilung der Haftfähigkeit. Med. Welt, 1934, 8: 453; 488; 637.—**Schneider, C.** Ueber Charakterfehler und ihre Beziehungen zur geminderten Zurechnungsfähigkeit. Deut. Zschr. gerichtl. Med., 1927, 10: 593-619.—**Schröder, P.** Ueber verminderte Zurechnungsfähigkeit. Klin. Fortbild., 1934, 2: 485-513.—**Sengès, N.** Positivisme médical et responsabilité pénale. Ann. méd. psychol., Par., 1935, 93: pt 1, 19: 203.—**Simon.** Unzurechnungsfähigkeit, geminderte Zurechnungsfähigkeit, Trunksucht in einem künftigen Strafrechtzbuch. Mschr. Krim. Psychol., 1910-11, 7: 593-601.—**Simons.** La responsabilité et le droit pénal. Arch. internat. méd. lég., Brux., 1910, Suppl., 199-219.—**Sommer, P.** Zweifel an der Zurechnungsfähigkeit eines Angeklagten. Deut. med. Wschr., 1935, 61: 1240.—**Steinwallner, B.** Ausgeschlossene und verminderte Zurechnungsfähigkeit in neueren auswärtigen Strafrechtskodifikationen. Psychiat. neur. Wschr., 1935, 37: 220-4. Also Allg. Zschr. Psychiat., 1936-37, 105: 269-75.—**Strassmann, F.** Ein Wort zur Verständigung in der Frage der verminderten Zurechnungsfähigkeit. Aeztl. Sachverst. Ztg., 1910, 16: 425-9.—**Többen, H.** Die Begutachtung der Zurechnungsfähigkeit. Deut. Zschr. gerichtl. Med., 1934-35, 24: 98-113.—**Türkel, S.** Psychiatrisch-kriminalistische Probleme. Jahrb. Psychiat., 1905, 26: 31-102.—**Vigouroux, A.** Les criminels et les délinquants à responsabilité atténuée. Clinique, Par., 1913, 8: 138-40.—**Zaitzeff, L.** Die strafrechtliche Zurechnungsfähigkeit bei Massenverbrechen. Jurist. psychiat. Grenzfr., 1912, 8: Heft 6, 1-64.

IRRGANG, Erika [Maria Johanna] 1910—

*Ueber die therapeutische Beeinflussbarkeit von Impftumoren [Breslau] 15p. 8°. Düsseldorf, G. H. Nolte, 1936.

IRRIGATION.

See also **Irrigator**; also **Enema**; also names of organs irrigated as **Bladder**; **Colon**; **Intestine**; **Nose**, etc.

Fischer, M. H., & Bledsoe, R. W. A harmless mucous membrane irrigant. J. Am. M. Ass., 1927, 88: 1881.—**Goldhahn, R.** Spülungen in der Chirurgie. Deut. med. Wschr.,

1937, 63: 702-4. — & **Barbieri, P.** Los lavajes en cirugía. Rev. san. mil., B. Air., 1937, 36: 1072-7.—**Nussbaum, S.** Irrigations and instillations. In Ther. Infancy (Litchfield, H. R., & al.) Phila., 1942, 1: 150-63.—**Schübel, K.** Die Spülungsbehandlung in der praktischen Medizin vom pharmakologischen Gesichtspunkt. Deut. med. Wschr., 1937, 63: 697-700.—**Stark, W. B.** Irrigations with aqueous solution; their effect on the membranes of the upper respiratory tract of the rabbit. Arch. Otolaryng., Chic., 1928, 8: 47-55.

— **agricultural.**

See also **Drainage**; **Drought**; **Sewage**; **Water supply**.

Beam, W. Map of the Gezira showing approximate line and scope of proposed irrigation canal. Rep. Wellcome Trop. Res. Lab. Khartoum, 1911, 4: B, 49.—**Boone, A. R.** Water, water, everywhere; multiple-purpose Central Valley project in California involves huge dams, 5 canals. Sc. American, 1942, 166: 178.—[**Colombia**] Decreto número 964 de 1940 (mayo 17) por el cual se incorpora la Sección de acueductos y alcantarillados del Ministerio de obras públicas al Departamento de ingeniería sanitaria del Ministerio de trabajo, higiene y previsión social. Rev. hig., Bogotá, 1941, 22: No. 5, 122-5.—**Gopalakrishnan, C.** Regime flow in incoherent alluvium. Current Sc., Bangalore, 1941, 10: 139-42.—**Kosok, P.** The role of irrigation in ancient Perú. Proc. Am. Soc. Congr. (1940) 1942, 8, Congr., 169-78, 2 pl. map.—**Landaverde, A.** Cómo aprovechar mejor las aguas pluviales y de riego en agricultura. Ibid., 5: 143.—**Lowdermilk, W. C., & Wickes, D. R.** Ancient irrigation in China brought up to date. Sc. month., 1942, 55: 209-25.—**Magistad, O. C.** The use of softened Colorado River water for home gardens. J. Am. Water Works Ass., 1941, 33: 883-93.—**Mitchelson, A. T.** Irrigation. Britan. Bk 1942, 365-7.—**Rider, J. H.** Sanitary features of irrigation. Am. J. Pub. Health, 1930, 20: 1187-91.—**Stewart, G. R., & Donnelly, M.** Soil and water economy in the Pueblo Southwest; evaluation of primitive methods of conservation. Sc. Month., 1943, 56: 134-44.—**Technische Vorschriften für Bau und Betrieb von Grundstücksbewässerungsanlagen.** Gesundh. Ingenieur, 1927, 50: 533-6.

IRRIGATOR.

See also **Irrigation**.

Andrews, C. G. An irrigating accessory. J. Am. M. Ass., 1929, 92: 801.—**Destot.** Siphon automatique, pour irrigation intermittente. Bull. Soc. chir. Paris, 1917, n. ser., 43: 938.—**DeSushko, A.** A new nasal irrigator. J. Am. M. Ass., 1927, 88: 647.—**Freund, E. M.** New irrigating valve with automatic cut-off and removable tips. Arch. Otolaryng., Chic., 1933, 18: 200.—**Irwin, M.** Irrigating apparatus. U. S. Patent Off., 1939, No. 2,157,756; 1940, No. 2,1615.—**Kennison, R. S.** Irrigating apparatus. Ibid., 1941, No. 2,252,569.—**Lagercrantz, S.** Zur Verbreitung des Klysters in Negerafrika. In Kultur & Rasse (Hesch-Spannau) Berl., 1939, 364-74.—**McFarland, W. M., & McFarland, A. F.** Washing and irrigating device. U. S. Patent Off., 1941, No. 2,241,823.—**Mezey, C. M.** Anus and vaginal irrigator. Ibid., No. 2,265,080.—**Myers, H. C.** A simplified automatic intermittent irrigator. South. Surgeon, 1940, 9: 193-5.—**Nissel, W.** Praktische Spülvorrichtung für urologische Verbändräume. Zbl. Chir., 1928, 55: 1222.—**Tissot.** Sonde béquillée souple pour lavages uréthro-vésicaux chez la femme. J. urol. méd., Par., 1938, 45: 233.—**Travers, E.** Irrigating applicator. U. S. Patent Off., 1941, No. 2,243,299.

IRRITABILITY.

See **Excitability**.

IRRITANT.

See also **Injury**; **Stimulant**; **Stimulus**; **Tonic**; also names of irritants as **Gas**, etc.

Ebbecke, U. Ueber die Wirkungsweise nichtelektrischer (mechanischer, chemischer, thermischer) Reize. Arch. ges. Physiol., 1926, 211: 511-22.—**Gardner, L. U.** Respiratory irritants; dusts, fumes and gases. In his Tuberc. in Industry, 1942, N. Y., 115-22.—**Heubner, W.** Ueber Reizstoffe. Deut. med. Wschr., 1933, 59: 39-43.—**Luitthien, F., & Molitor, H.** Pharmakologische Untersuchungen über die Wirkung intrakutaner Reize; die Aenderung der Reizschwelle parasympathischer und sympathischer Gifte durch Intrakutanreize. Arch. exp. Path., Lpz., 1926, 114: 47-55.—**Meier, R.** Ueber Reizwirkung an Einzelzellen. Ibid., 1927, 122: 129-58.—**Osborne, E. D., & Hallett, J. J.** Skin irritants. N. York State J. M., 1942, 42: 1529-31.—**Schund de Goldfiem, J.** Les irritants végétaux; révélsifs, balsamiques, diurétiques, chologogues, etc. Clinique, Par., 1939, 34: 127-32.—**Stajano, C.** Resumen de nuestras investigaciones sobre los reflejos tróficos; hechos nuevos de orden experimental; los reflejos tróficos y sus leyes; hechos similares en clínica humana. Arch. Soc. biol. Montevideo, 1929, 1: 284-90.

IRRMANN, Ernest, 1905—

*Résultats éloignés des résections d'estomac pour cancer. 72p. 8°. Strasb., Impr. Ch. & J. Goeller, 1932.

IRRTUEMER der allgemeinen Diagnostik und Therapie sowie deren Verhütung. Lpz., H. 1, 1923-

IRRUMATION.

See Coitus, extragenital.

IRSAY, István.

See D'Irsay, Stephen.

IRUJO, Manuel.

Valdizan, H. El doctor Manuel Irujo. In: Bibl. cent. med. Perú (Valdizan, H. & Bambaren, C. A.) Lima, 1921, 2: 223.

IRVIN, Isaiah W., 1876-

Portrait. In Hist. Med. Nebraska (Tyler, A. F.) Omaha, 1928, 597.

IRVINE, E. Eastman.

Editor of *World* (The) almanac and book of facts for 1942.

IRVINE, Harry Garfield, 1881-

For biography see Centaur, Menasha, 1941-42, 47: 199, portr. Also in Hist. Alpha Kappa Kappa (Van Antwerp, L. D.) Menasha, 1942, 199, portr.

IRVINE, Kenneth Neville [M. D., Oxford, 1934] The B. C. G. vaccine. 70p. 8°. Lond., Oxford Univ. pr., 1934.

IRVINE, Louis Godfrey [M. B., Edinb., 1892] Hints on first aid for miners. 33p. 47 pl. 16°. Johannesburg, E. H. Adlington, 1916.

IRVINE-JONES, Edith Isobel Myfanwy.

See Smyth, F. S., & Irvine-Jones, E. I. M. Handbook of pediatric procedures. 212p. 8° N. Y., 1930.

IRVING, A. S. Anatomy mnemonics. 4. ed., rev. & enl. by Alastair G. Smith. 133p. 10½cm. Edinb., E. & S. Livingstone, 1939.

IRVING, Albert John [D. D. S. 1917, Univ. Mich.]

See Gillett, H. W., & Irving, A. J. Gold inlays by the indirect system. 584p. 8° Brooklyn, 1932.

IRVING, Frederick Carpenter, 1883- A textbook of obstetrics for students and practitioners. xxiv, 558p. illust. pl. diagrs. 8° N. Y. Macmillan co., 1936.

— Safe deliverance. 308p. 23½cm. Bost., Houghton Mifflin co., 1942.

Physician receives publisher's award. J. Am. M. Ass., 1942, 120: 974.

IRVING, Herbert Cavan.

For portrait see in Chronicle Crichton Royal (Easterbrook, C. C.) Dumfries, 1940, opp. p. 508.

IRVING, Robert Chrystal, 1863-1942.

Robert Chrystal Irving; an outstanding veterinarian and link with Wm. Hunting. Vet. Rec., Lond., 1942, 54: 123-5, portr.

IRWIN, Bernard J. D., 1830-1917.

Crimmins, M. L. Recollections of the old medical officers, Brigadier General B. J. D. Irwin. Mil. Surgeon, 1928, 62: 361-5.—Thompson, W. M. The fighting Arizona doctor, Brigadier General J. B. D. Irwin, 1830-1917. Southwest M., 1935, 19: 164-81.

Portrait in oil, painted by Amy McCormick, in Library.

IRWIN, Brian Tyrwhitt Wyn, 1905-42.

For obituary see N. Zealand M. J., 1942, 41: 137-9, portr.

IRWIN, Emmett Lee, 1893-

For portrait see N. Orleans M. & S. J., 1942-43, 95: 483.

IRWIN, H. M. Health for ever. 160p. 19cm. Lond., Rider & co. [1939]

IRWIN, Rita, & PAOLONE, Clementina. Practical birth control, a guide of medically approved methods for the married. xxiii, 172p. illust. 8° N. Y., R. M. McBride [1937]

IRWIN, Vern D., & WILSON, Netta W. An evaluation of dental health literature. v, 58p. 23cm. S. Paul, Bruce pub. co., 1942.

IRYZ, José M.

For portrait see Medicina, Méx., 1942, 22: 553.

ISAAC, Frank. English & Scottish printing types, 1535-58. 171p. illust. 4° Lond., Bibliogr. Soc., 1932.

ISAAC, George Washington, 1857-1931.

For obituary see Brit. M. J., 1931, 2: 681.

ISAAC, Gerda [M. D., 1935, Basel] *Ueber Niemann-Pick'sche Krankheit [Basel] 12p. 8° Stetten, K. Schahl, 1935.

ISAAC, Oscar. Higiene oral. 2. ed. 59p. 28½cm. Caracas, Lit. y Tip. del Comercio, 1936.

ISAAC, Simon, 1881-

See Noorden, C. K. H. von & Isaac, S. Die Zuckerkrankheit und ihre Behandlung. 8. Aufl. 627p. 8° Berl., 1927.

ISAAC-GEORGES, Pierre, 1896-

*Contribution à l'étude de la pathogénie du syndrome de Raynaud (de l'importance des lésions artérielles) 122p. 8° Par., Lib. L. Arnette, 1926.

ISAAC-KRIEGER, Karl.

See Kuttner, L., Isaac-Krieger, K., & Kwiecki, D. Ernährung ... Diätküchen, Kostformen. 143p. 8° Berl., 1930.

ISAACS, Aaron, 1891-1937.

For obituary see J. Dent. Res., 1942, 21: 342.

ISAACS, Charles Edward, 1811-1860.

Bieter, R. N. Charles Edward Isaacs, a forgotten American kidney physiologist. Ann. Med. Hist., 1929, n. ser., 1: 363-77.

ISAACS, Raphael, 1891-

The erythrocytes. p.5-157. illust. pl. tab. ch. 8° N. Y., P. B. Hoeber, 1938.

In Handb. Hemat. (Downey, H.) N. Y., 1938, 1:

— Diseases of the blood and blood-forming organs. p.573-673. 25cm. N. Y., D. Appleton-Century co., 1941.

In Ther. Int. Dis. (Blumer, G., et al.) 4:

See also Ordway, T., & Gorham, L. W. The diagnosis and treatment of diseases of the blood. 605p. 8° Lond. [1937] Also Sturgis, C. C., & Isaacs, R. Diseases of the blood. 302p. 8° N. Y., 1937. Also Weiss, H. B., & Isaacs, R. Manual of clinical and laboratory technique. 5. ed. 141p. 12° Lond., 1937.

Kagan, S. R. [Biography] In his Am. Jewish Physicians, Bost., 1942, 148, portr.

For portrait see Collection in Library.

ISAACS, Samuel M., 1804-

For portrait see J. Mount Sinai Hosp. N. York, 1941-42, 8: 1241.

ISAACSON, Miguel.

Jubileo médico. Rev. méd. Paraná, 1940, 9: 375, portr.

ISAACSON, Morris, 1908- *Les tumeurs et autres anomalies du thymus dans la myasthénie. 188p. 8° Par., Editions Jel, 1938.

ISAAK, of Holland, fl. 16. century.

Sudhoff, K. Bibliographie Isaaks und Johanns Isaaks, der Holländer. Sudhoffs Arch., 1934-35, 27: 45-50.

ISAAK, Adolf, 1908-

*Röntgenologische und klinische Untersuchungen über die Ausbreitung des Anästhetikums bei intraoraler Leitungsanästhesie. 35p. 6 pl. 8° Zür., Buchdruck. Berichthaus, 1935.

Also Schweiz. Mschr. Zahnk., 1935, 45: No. 11.

ISABEL, Aimé Auguste, 1911-

*Etude clinique des diverticules duodénaux. 99p. 5 pl. 24cm. Lille, Impr. Douriez-Bataille, 1936.

ISACEN.

See under Isatin.

ISACHAROWITZ, Myron Meyer, 1901-

*Interferometrische Untersuchungen an Keratokonuskranken. 72p. 8° Jena, B. Vopelius, 1931.

ISACHENKO, Boris Lavrentievich, 1871-1936.

Hartoch, O. [Obituary] Arkh. biol. nauk, 1936, 43: 9-11, portr.

ISACHSEN, Carl Einar.

Portrait. In: Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 165.

ISACHSEN, Gusta Louise, 1875-

Portrait. In: Norges laeger (Kobro, I.) Krist., 1915, 1: 585.

ISAEV, N. S. Венерические болезни и семя. 30p. illust. 18½cm. [Moskva] Gosud. med. izdat., 1929.

ISAKSOHN, Samuel, 1905-

*Etude comparative des différentes législations anti-abortives et des résultats obtenus par elles. 72p. 8° Par., Imp. Union, 1931.

ISAL, Paul, 1916— *A propos de quelques observations de pneumothorax thérapeutique bilatéral simultané. 38p. 23½cm. Par., A. Lapiéd, 1939.

ISALON.

See under **Propan**.

ISAMINE blue.

See also **Cancer, Treatment; Stain; Tar**.

Dean, H. R. The reaction of isamine blue with serum. *J. Path. Bact., Lond.*, 1937, 45: 745-71.—**Fusari, A.** Influenza della luce solare sull'assunzione e sull'eliminazione del blu d'isamina. *Boll. spec. med. chir.*, 1928, 2: 99-102.

ISAMINGER, Melvin P.

See **Langton, C. V., & Isaminger, M. P.** The practice of personal hygiene. 351p. 8° N. Y. [1933]

ISAPOGEN.

See under **Soap, medicated**.

ISARD, André, 1915— *Le centaure dans la légende et dans l'art. 48p. 5 pl. 25½cm. Lyon, Bosc frères, 1939.

ISARIA.

See also **Fungi, pathogenic; Stilbaceae**.

Kuro, M. Ueber einen neuen pathogenen Schimmelpilz, *Isaria shiotae*, nov. spec., von einem pseudoxanthomatosen Herde des Menschen kultiviert. *Jap. J. M. Sc.*, 1930-32, 2: Tr. Surg., 327-58, 3 pl.

ISATIN [C₆H₄.CO.N.CO.H]

See also **Indol; Indoxyl**.

EGHIAIAN, A. *Etude radiologique de l'action purgative de l'isacène (diacétyl-bis-oxyphényl-isatine) 40p. 8° Genève, 1927.

Bureš, E., & Mikulík, H. [Di-o-oxy-dimethyl-diphenyl-isatin and its derivatives] *Cas. lék. česk.*, 1938, 77: 51-8.—**Calcaterra, E.** Sull'azione peristaltogena della diacetildiossi fenilissatina e sulla sua efficacia terapeutica. *Gazz. osp.*, 1926, 47: 1182-8.—**Conn, W. R., & Lindwall, H. G.** Oxindole amines from isatin. *J. Am. Chem. Soc.*, 1936, 58: 1236-9.—**De Waal, H. L.** The isolation of isatidine from *Senecio retrorsus* and *Senecio isatideus*. *Onderstepoort J. Vet. Sc.*, 1939, 12: 155-63.—**Einhorn, M., & Rafsky, H. A.** Isacen (Guggenheim) a new purgative. *J. Am. M. Ass.*, 1926, 86: 1754.—**Hirschberg, A.** Erfahrungen mit Isacen in der Frauenpraxis. *Klin. Wschr.*, 1927, 6: 767.—**Hofstötter, H.** Isacen bei Wöchnerinnen. *Med. Klin., Berl.*, 1928, 24: 1446.—**Hottinger, A.** Isacen in der Kinderpraxis. *Schweiz. med. Wschr.*, 1927, 57: 597.—**Katzenelbogen, S., & Güder, R.** Note thérapeutique sur un nouveau purgatif: le diacétyl-bis-oxyphényl-isatine (isacène) *Ibid.*, 1925, 55: 18.—**Mentha, H.** L'isacène Roche en gynécologie. *Ibid.*, 1927, 57: 668.—**Myers, F. J., & Lindwall, H. G.** The Reformatsky reaction in the isatin series. *J. Am. Chem. Soc.*, 1938, 60: 644.—Reactions of Grignard reagents with isatin and N-alkyl isatins. *Ibid.*, 2153-5.—**Polland, R.** Isacen in der dermatologischen Praxis. *Ther. Gegenwart*, 1927, 68: 191.—**Pouchet, G.** Un purgatif synthétique nouveau: l'isacène. *Prat. méd. fr.*, 1927, 6: 201-14.—**Schmied, F.** Ueber künstliche Darmentleerung mit Isacen unter Berücksichtigung der postoperativen Darmträgheit. *Med. Klin., Berl.*, 1930, 26: 246.—**Stein, G.** Isacen auf See. *Ther. Gegenwart*, 1927, 68: 566.—**Syring, W.** Isacen als Abführmittel. *Ibid.*, 1926, 67: 140.—**Weiss, R. F.** Ueber Isacen, ein neues, synthetisches Abführmittel. *Deut. med. Wschr.*, 1926, 52: 1343.

ISATIS.

Coleman, E. Vegetable dyes in the garden; woad in war and peace. *Australas. J. Pharm.*, 1941, 22: 506.

I saw Poland suffer, by a Polish doctor who held an official position in Warsaw under German occupation. Transl. & arr. by Aleuin, with additional chapters on Poland today by Aleuin. [2. impression] 127p. pl. portr. 21½cm. [Lond.] L. Drummond [1941]

ISCHEMIA.

See also **Anemia; Cold, Effects; Freezing**; also under names of parts affected as **Forearm, Contracture, ischemic; Kidney; Muscle, Ischemia**, etc.

Blalock, A., & Levy, S. E. Gradual complete occlusion of the celiac axis, the superior and inferior mesenteric arteries, with survival of animals; effects of ischemia on blood pressure. *Surgery*, 1939, 5: 175-8.—**DiPalma, J. R.** The effects of anoxemia, hypercapnia, acidosis and alkalosis upon the threshold of reactive hyperemia in human skin resulting from local ischemia. *Fed. Proc., Balt.*, 1942, 1: pt 2, 20 (Abstr.)—**Harpuder, K., & Stein, I. D.** Studies on the cause of pain in ischemia. *Arch. Phys. Ther.*, 1942, 23: 218-22.—**Hultquist.** Om irreversibla vävnadsskador utan fullständig ischämi. *Nord. med.*, 1941, 12: [Discussion] 2915.—**Khodos, K. G.** [Ligation, resection and compression of the arterial trunk in the rabbit as related to experimental ischemia of the peripheral nerves] In *Sborn. Tr. Voen. med. akad. Kirova, Leningr.*, 1937, 321-46.—**Maison, G. L.** Studies on the genesis of ischemic pain; the influence of the potassium, lactate and ammonium ions. *Am. J. Physiol.*, 1939, 127: 315-21.—**Forster, A. C.** Intercellular pH change cannot be the pain factor in ischemic work. *Proc. Soc. Exp. Biol., N. Y.*, 1938, 38: 425.—**Meehan, A. V.** Ischemia. *Australas. N. Zealand J. Surg.*, 1937-38, 7: 207-14.—**Naide, M.** The use of vitamin B₁ in rest pain of ischemic origin. *Am. J. M. Sc.*, 1939, 197: 766-73.—**Porter, E. L., & Callahan, E. L.** The effect of ischemia on neuro-muscular response. *Fed. Proc., Balt.*, 1943, 2: 38 (Abstr.)—**Reid, C.** Experimental ischaemia: sensory phenomena, fibrillary twitchings, and effects on pulse, respiration, and blood-pressure. *Q. J. Exp. Physiol., Lond.*, 1931, 21: 243-51.

Complication.

PECHTHOLD, Z. *La névrite ischémique des membres inférieurs. 51p. 8° Par., 1932.

Coste, F., Bolgert, M., & Debray, C. Névrite ischémique aiguë. *Bull. Soc. méd. hôp. Paris*, 1933, 3. ser., 49: 1026-36.—**Kostenetsky, A. S.** [Morphological changes in the nerves of the fore-foot of laboratory animals in experimental ischemia] *Vest. khir.*, 1940, 59: 555-9.—**Kusnetsov, N. G.** [Ischemic contractures] *Ortop. travmat.*, 1934, 8: 40-8.—**Morrison, G. M., & Kennard, H. E.** Ischaemic paralysis from pressure of hematoma. *J. Bone Surg.*, 1935, 17: 656-8.

ISCHIA, Italy.

PETRONIO, F., ZARLENGA, R. [et al.] Cenno storico dell'Isola d'Ischia seguito dall'esame chimico-terapeutico di una nuova polla di acqua termo-minerale di Casamicciola detta del cotto, simile a quella della cava di Sinigaglia. 16p. 20½cm. Nap., 1871.

ISCHIADIC artery.

See **Gluteal artery, inferior**.

ISCHIADIC nerve.

See **Sciatic nerve**.

ISCHIALGIA.

See **Sciatica**.

ISCHIOCAVERNOUS muscle.

See **Clitoris; Penis**.

ISCHIOPAGUS.

See **Abnormities, double: Ischiopagus**.

ISCHIO-PUBIS.

See also **Ischium; Pubis**.

Asplund, G. A few cases of ischio-pubic osteochondritis. *Acta chir. scand.*, 1930, 67: 1-13.—**Bertola, V.** Osteochondritis ischio-pubica. *Prensa méd. argent.*, 1936, 23: 2338-40.—**Calvet, J., & Armengaud.** Variation sexuelle de la symphyse ischiopubienne chez les bovidés et les équidés. *C. rend. Soc. biol.*, 1933, 112: 787-90.—**Cappelletti, G.** Intorno una frattura delle branche ascendente dell'ischio e discendente del pube causata da retrazione muscolare. *Gior. progr. pat., Venez.*, 1847, ser. 2, 12: 482-6.—**Chiariello, A. G.** L'osteochondrite ischio-pubica. *Ann. ital. chir.*, 1934, 13: 1222-31.—**Davidson, W.** Radiological appearances and clinical significance of osteochondritis ischio-pubica. *Acta paediat., Upps.*, 1931, 11: 233-6.—**Durham, H. A.** Ischiopubic osteochondritis. *J. Bone Surg.*, 1937, 19: 937-44.—**Heeren, J.** Ueber röntgenologisch nachweisbare Veränderungen der Scham-Sitzbeinepiphyse und ihre klinische Bedeutung. *Röntgenpraxis*, 1933, 5: 12-6.—**Hirsch, A.** Ueber Osteochondritis ischiopubica. *Kinderärztl. Prax.*, 1933, 4: 458-61.—**Inclán, A.** Osteocondrosis de la rama isquiopubiana del coxal. *Cir. ortop. traumat.*, Habana, 1939, 7: 99-112. Also *Bol. Soc. cubana pediat.*, 1940, 12: 223-39.—**Lagos García, A., & Nespolo, J. S.** Osteochondritis ischiopubica. *Sem. méd., B. Air.*, 1941, 48: pt 1, 1136-41.—**Manfred, M.**

Considerazioni su alcuni casi di osteocondrite ischio-pubica. Arch. ortop., Milano, 1933, 49: 781-7.—**Mezzari, A.** Carie secca del pube e della branca ischiopubica. Ibid., 1928, 44: 354-65.—**Nissen, K. I.** Osteoclastoma of ischium and pubis treated by teloradium. Proc. R. Soc. M., Lond., 1938 39, 32: Sect. Orthop., 823.—**Ottolenghi, C. E.** Osteomielitis de la rama isquiopubiana. Rev. ortop. traumat., B. Air., 1933-34, 3: 325-30.—**Outland, T. A., & Hanlon, C. R.** Osteochondritis ischiopubica; case report. Guthrie Clin. Bull., 1938-39, 8: 14-6.—**Pigorini, L.** In tema di osteocondrosi o osteocondrite ischio-pubica. Gazz. osp., 1938, 59: 899-902.—**Torgersen, J.** [Osteochondritis ischiopubica] Norsk. mag. laegevid., 1936, 97: 951-9.—**Weber.** Relâchement de la symphyse ischio-pubienne. Bull. Soc. centr. méd. vét., Par., 1881, 35: 303-5.—**Wilken, W.** Ueber die Osteochondritis ischio-pubica. Zschr. Kinderh., 1939, 61: 127-9.—**Wülfing, M.** Ueber Osteochondritis ischio-pubica. Deut. Zschr. Chir., 1926, 199: 413-9.—**Zeilin, A. A.** Osteochondrosis-osteochondritis ischio-pubica. Radiology, 1936, 27: 722-31.

ISCHIORECTAL fossa.

See also Anus; Pelvis; Perineum; Rectum.

Close, W. J. Observations on the anatomy of the ischio-rectal fossa. Med. J. Australia, 1938, 2: 761-9.—**Gellé.** Volumineux hématome péri-rectal; méfait hypophysaire. Bull. Soc. obst. gyn., Par., 1932, 21: 694-6.—**Monteiro, A., & Fialho, A.** Blastomycose peri-ano-rectal. Relat. Congr. argent. cir. (1936) 1937, 8. Congr., 1046-50.—**Shedden, W. M.** Neoplasms originating in the ischio-rectal fossa with particular reference to sarcomata. N. England J. M., 1934, 210: 696-700.

Abscess and cellulitis.

Allen, J. H. Superior peri-rectal abscesses. Tr. Am. Proct. Soc., 1935, 36: 113-20. Also Am. J. Digest. Dis., 1936-37, 3: 341-43.—**Barbosa de Barros, J.** Da via glutea de acesso a certas coleções supuradas da região posterolateral da pequena bacia. An. paul. med. cir., 1941, 42: 417-9.—**Bassler, C. E.** Abscess of the superior perirectal tissue in a gelding. J. Am. Vet. M. Ass., 1940, 96: 265.—**Bates, W.** Ischio-rectal abscess, an unusual case. Med. World, 1938, 56: 318.—**Berkow, S. R., & Tolk, N. R.** Ischio-rectal abscess followed by gas gangrene; gas gangrene following trauma; report of 2 cases. J. Am. M. Ass., 1923, 80: 1689-91.—**Bochner, S. J.** Ischio-rectal abscess; a consideration of the origin and the treatment. Am. J. Surg., 1937, 36: 279-82.—**Buie, L. A.** Perianal lymphatic abscess. Tr. Am. Proct. Soc., 1936, 37: 104-7. Also Collect. Papers Mayo Clin., 1936, 28: 266-68.—**Diamant-Berger & Picard, J.** Perforation du rectum, suivie d'abcès ischio-rectal, consécutive à l'ingestion démentielle de fragments métalliques. Bull. Soc. chir. Paris, 1938, 30: 195.—**Diamond, M., & Laufman, H.** Uncommon clinical pictures in suppurative perianal infections. Am. J. Digest. Dis., 1941, 8: 252-5.—**Drueck, C. J.** Deep abscesses about the rectum. Med. Rev. of Rev., 1922, 28: 365-8.—**Fansler, W. A.** A scalping operation for abscesses about the rectum. Tr. Am. Proct. Soc. (1922) 1923, 23: 71-6. — Perirectal abscess. South. M. J., 1940, 33: 180-4.—**Fragoso, H.** Coleções purulentas e fistulas peri-ano-rectais. Rev. med. cir. Brasil, 1942, 50: 867-96.—**Gant, S. G.** Ano-rectal or ischio-rectal abscess (periproctitis) S. Louis M. & S. J., 1903, 84: 10-5.—**Gilliam, H. A.** Abscess about the rectum. Kentucky M. J., 1927, 25: 326-8.—**Green, W. W.** Perirectal abscesses. Ohio M. J., 1938, 34: 1245-8.—**Guénu, J.** Les abcès périano-rectaux. Bull. méd., Par., 1935, 49: No. 27, Suppl.—**Hartmann.** Abcès de la fosse ischio-rectale. Rev. gén. clin. théor., 1924, 38: 360.—**Hayes, H. T.** Peri-rectal streptococcal cellulitis. Am. J. Digest. Dis., 1934-35, 1: 413.—**Jackson, R. W.** Perirectal suppurations and sequelae. Tr. N. Hampshire M. Soc., 1916, 125: 106-16.—**Kleckner, M. S.** Pelvi-rectal abscess. Tr. Am. Proct. Soc., 1931, 32: 104-12.—**Koontz, A. R.** Gaseous cyst of ischio-rectal space resulting from minute perforation of rectum. J. Am. M. Ass., 1928, 91: 382.—**Krecke, A.** Periproctitis; tödliche Beckenbodenentzündung. In his Beitr. prakt. Chir., Münch., 1934, 415.—**Landrock, G. M.** Ischio-rectal abscess: a stage in the development of horseshoe fistula; a case report. Am. J. Digest. Dis., 1936-37, 3: 122.—**Levine, V.** Ulcerative proctitis with periproctitis abscesses. In Path. Conf. (Jaffé, R. H.) Chic., 1940, 663-5.—**Loumeau.** Rétention d'urine et phlegmon grave de la fosse ischio-rectale consécutifs à l'auto-administration d'un lavement d'eau salée concentrée. Bull. Soc. méd. chir. Bordeaux, 1917, 47-9.—**McKenney, D. C.** Perianal and perirectal abscesses. In Cyclop. Med. (Piersol-Bortz) Phila., 1940, 13: 493-503.—**Millar, T. M.** The problem of peri-rectal suppuration. Edinburgh M. J., 1942, 49: 691-706.—**Mummary, J. P. L.** A new method of treating ischio-rectal and other abscesses. Proc. R. Soc. M., Lond., 1922-23, 16: Sect. Surg., 65.—**Palumbo, E.** Contributo clinico alla cura dei flemmoni della fossa ischio-rectale. Fol. med., Nap., 1934, 20: 639-49.—**Paparaio, C.** A case of horse-shoe abscess. Antiseptic, Madras, 1918, 15: 323-7.—**Peiser, A.** Zur Pathogenese und Therapie der Periproctitis und der Mastdarmfistel. Klin. Wschr., 1928, 7: 815.—**Pitanga Santos, R.** Sobre a etiologia de alguns abscessos e phlegmões peri-rectais. Fol. med., Rio, 1932, 13: 178.—**Prioleau, W. H.** Ischio-rectal abscess and rectal fistula. J. S. Carolina M. Ass., 1935, 31: 167-9.—**Pruitt, M. C.** Ischio-rectal abscess. Am. J. Surg., 1939, 46: 669-73.—**Rainey, W. R.** Abscesses about the anus and rectum. Surg. Clin. N. America, 1938, 18: 1413-22.—**Ransohoff, J. L.** Perirectal abscess com-

plicating intraperitoneal infections. Tr. West. Surg. Ass., (1921) 1922, 31: 413-6.—**Rosenbaum, P.** Bandwurmeier als Ursache des periproktischen Abszesses. Zbl. Chir., 1932, 59: 1093-6.—**Ross, S. T.** Abscesses about the anorectum. Am. J. Surg., 1943, 59: 536-40.—**Rostock, P.** Periproktische Abszesse und Anal fisteln. Deut. med. Wschr., 1940, 66: 800.—**Taddei, D.** Dalla pratica per la pratica; il trattamento degli ascessi perianali ed ischio-rettali. Rass. internaz. clin. ter., 1930, 11: 502-6.—**Weichherz, I.** [Perirectal abscesses] Budapesti orv. ujs., 1933, 31: 6-8.—**Weisel, W., Wakfield, E. G., & Smith, N. D.** Indeterminate fever caused by perirectal abscess. Am. J. Digest. Dis., 1912, 9: 181.—**Woodward, N. W.** Perianal and perirectal abscesses. Proc. Univ. Hosp. Oklahoma School M., 1940-41, 1: No. 2, 80.

Fistula.

See also Rectum, Fistula.

Bazy, L. L'exploration radiologique des trajets fistuleux péri-anux. Bull. Soc. nat. chir., Par., 1935, 61: 372.—**Howard, C. J.** Fistula of the ischio-rectal region. Bull. U. S. Veterans Bur. M., 1930, 6: 118-21.—**Läwen, A.** Zur Operation der inkompletten Fisteln der Fossa ischio-rectalis. Zbl. Chir., 1935, 62: 1746-9. — Zur Operation der Fisteln der Fossa ischio-rectalis. Ibid., 1938.—**Landman, A. A.** Treatment of certain types of horseshoe fistulae. Tr. Am. Proct. Soc., 1935, 36: 169-71.—**Peiser, A.** Beiträge zur Pathogenese und Therapie der Periproctitis und der Mastdarmfistel. Beitr. klin. Chir., 1928, 142: 272-300.—**Penner, A., & Crohn, B. B.** Perianal fistulae as a complication of regional ileitis. Am. Surg., 1938, 108: 867-73.—**Pontius, G. V.** Horseshoe fistula in a case; pathogenesis, diagnosis and treatment. Indust. M., 1938, 7: 69-72.—**Sikorski, J.** [Roentgenotherapy of periproctie fistulas] Polski przegl. radiol., 1938, 13: 194.—**Thorgersen, E.** On fistula ani, and its treatment, taking into consideration fistula ischio-rectalis in particular. Acta chir. scand., 1937-38, 80: 113-38.—**Wustmann, O.** Ratschläge für die operative Behandlung der vollständigen ischio-rectalen Fisteln nach der Methode von Backhaus. Zbl. Chir., 1941, 68: 1076-8.

Foreign body.

Taddei, D. Sulla cura dalla via ischio-rettale di un seno fistoloso retrocaterico-otturatorio-pelvico da ritenzione di scheggia di bomba nello spazio latero-rettale al davanti della 4ª vertebra sacrale. Atti Accad. fisiocrit. Siena, 1918, 7. ser., 10: 141-9, pl.—**Yaker, D. N.** Foreign body in the ischio-rectal space. California West. M., 1933, 39: 50.

ISCHIUM.

See also Acetabulum; Hip; Hipjoint; Ischiopubis; Obturator foramen; Pelvis; Pubis.

FAUVEL, E. *Contribution à l'étude des exostoses de l'ischion. 48p. 8°. Par., 1927.

Crumpacker, L. K. Lesions of the ischium; report of 3 cases. Proc. Mayo Clin., 1939, 14: 454-9.—**Fervers, C.** Ein Fall von Hernia ischiadica (glutealis superior) incarcerata. Zbl. Chir., 1930, 57: 2666-9.—**Fitte, M.** Osteocondritis del isquín. Bol. Soc. cir. B. Aires, 1936, 20: 248-57.—**Lazorthes, G., & Lhez, A.** Le tubercule dit de Bouisson. Ann. anat. path., Par., 1938, 15: 944-8.—**Marchand.** Hernie ischiatique diagnostiquée par les rayons X. Bull. Soc. radiol. méd. France, 1927, 15: 249.—**Milch, H.** Partial resection of the ischium; the operative procedure. J. Bone Surg., 1935, 17: 166-71.—**Oreto, P.** Sopra un caso di osteomielite acuta dell'ischio. Rass. internaz. clin. ter., 1936, 17: 729-34.—**Osteomyelitis of the ischium of the ramus.** Minnesota M., 1933, 16: 503.—**Pflomm, E.** Ueber eigenartige Fistelgänge am Hüftgelenk. Zbl. Chir., 1930, 57: 1330-2.—**Pokorny, L.** Osteomyelitis im Sitzbein. Röntgenpraxis, 1938, 10: 168.—**Pouzet, F.** Ostéomyélite de l'ischion. Lyon chir. 1935, 32: 463.

Fracture.

BERMÜLLER, F. *Eine Muskelzugfraktur des aufsteigenden Sitzbeinastes als Sportverletzung [München] 28p. 21cm. Bleicherode, 1938.

Gilbert, W. A case of double fracture of the ischium. South Africa M. Rec., 1926, 24: 232.—**Gioia, T.** Excepcional variedad de fractura isquio-acetabular (fractura de Walther por causa indirecta) Sem. méd., B. Air., 1929, 36: pt 1, 725-34.—**Hellmer, H.** Ein Fall von traumatischer Ablösung der Epiphyse des Os ischii. Arch. orthop. Unfallchir., 1933-34, 34: 45-7.—**Lamy, L., & Vincent, J.** La fausse fracture du cotyle chez l'enfant et l'ischium varum; erreurs d'interprétation des radiographies. Bull. Soc. chir. Paris, 1937, 29: 29-41.—**Mühsam.** Gewehrschuss an der Schambeinfuge. Berl. klin. Wschr., 1918, 55: 768.—**Schofield, B. L.** Report of a case of epiphyseal separation of the ischium. Dallas M. J., 1927, 13: 125-7.

Tuber.

Cohen, H. H. Avulsion fracture of the ischial tuberosity. J. Bone Surg., 1937, 19: 1138-40.—**Gutschank, A.** Doppel-seitige Abrissfraktur des Tuber ossis ischii. Arch. orthop. Unfallchir., 1933, 33: 256-9.—**Karfiol, G.** Abrissfraktur des

Tuber ischiadicum; Sportverletzung. Zbl. Chir., 1930, 57: 2466.—**McIntosh, C. W.** Fracture of the tuberosity of the ischium in a mare. Canad. J. Comp. M., 1942, 6: 130.—**Milch, H.** Avulsion fracture of the tuberosity of the ischium. J. Bone Surg., 1926, 8: 832-8.—**Raspe, R.** Ueber eine seltene Veränderung am Tuber ischii durch Sport. Röntgenpraxis, 1937, 9: 124-6.

Tumor.

Belot, J., & Nahan, L. Volumineux fibro-sarcome à point de départ ischiatique. Presse méd., 1936, 44: 853.—**Bilhaut, M.** Lipôme congénital de la région ischiatique droite. Ann. chir. orthop., Par., 1909, 22: 65-7.—**Brook, W. F.** Fibro-sarcoma of ischium treated with radium. Brit. M. J., 1929, 1: 951.—**Delpont & Estève.** Volumineux fibro-sarcome à point de départ ischiatique. J. radiol. électr., 1936, 20: 669.—**Dorrell, E. W., & Thomas, A. R.** A case of osteogenic sarcoma. J. R. Nav. M. Serv., 1941, 27: 393-5.—**Ferrario, G.** Sopra un caso di condroma dell'ischio. Boll. spec. med. chir., 1929, 3: 62-72.—**Nogier, T.** Ostéo-sarcome de l'ischion diagnostiqué et traité comme sciatique. Bull. Soc. radiol. méd. France, 1936, 24: 381. — Nouveau cas d'ostéo-sarcome de l'ischion, traité comme sciatique et révélé par la radiographie. Bull. Soc. électr. radiol. méd. France, 1938, 26: 112.—**Ticozzi, E.** Sarcoma osteogenico primitivo dell'ischio. Osp. maggiore, Milano, 1933, 21: 215-20.

ISCHLONDSKY, Naum Efimovich, 1896-

Artificial rejuvenation and voluntary change of sex, according to Prof. Steinach, transl. by Henry S. Penn. 172p. 26 pl. 8°. Lawrence, Mass., Toodwood pub. co., 1926.

— Neuropsyché und Hirnrinde. 2v. 8°. Berl., Urban & Schwarzenberg, 1930.

— Sécrétion interne et régénérescence; essais expérimentaux cliniques et chimico-biologiques sur les phénomènes de régénérescence dans des conditions physiologiques (sénilité) et pathologiques. xii, 336p. pl. 8°. Par., G. Doin, 1933.

— Protoformotherapy in treatment and prevention; 15 years of research on new scientific bases of therapeutics. xxiv, 237p. 40 pl. 8°. Lond., H. Kimpton, 1937.

ISCHNOPSYLLUS.

See also **Flea.**

Weidner, H. Beiträge zur Kenntnis der Biologie des Fledermausflohes *Ischnopsyllus hexactenus* Kol. Zschr. Parasitenk., 1936-37, 9: 543-8.

ISCHNURA.

See also **Insect.**

Grieve, E. G. Culture methods for the damselfly, *Ischnura verticalis*. In Cult. Meth. Invertebr. (Galtsoff, P. S., et al.) Ithaca, 1937, 268-70.

ISCHURIA.

See **Urine, Retention.**

ISCH-WALL, Paul, 1892- *L'hémogénie (diathèse hémorragipare) étude clinique. 310p. 8°. Par., Jouve & cie, 1926.

See also **Weil, P. E., Isch-Wall, P., & Perles, S.** La ponction de la rate. 148p. 8°. Par., 1935.

ISCOVICH, Alexandre, 1910- *L'hôpital moderne de contagieux; étude de quelques principes. 40p. 8°. Par., L. Rodstein, 1934.

ISELE, Franz [Sales] 1901- *Zur Kombination von Porzellanbrandmasse mit Metallstitten. 52p. 23cm. Lpz., A. Edelman, 1937.

ISELI, Otto, 1905- *Die Arsenschädigung im keimzentrenlosen lymphatischen Gewebe [Zürich] p. 529-41. 8°. Jena, G. Fischer, 1932. Also Beitr. path. Anat., 1932, 89:

ISELIN, Columbus O'Donnell, II.

Barbour, T. Presentation of the Agassiz Medal for the year 1942, with accompanying honorarium of \$300, to Columbus O'Donnell Iselin, II. Science, 1943, 97: 431-3.

ISELIN, Hans, 1878- Rheuma und Sympathikus. 45p. 23½cm. Basel, B. Schwabe & co., 1938.

H. 2, Schweiz, med. Wschr., Schr.-reihe.

ISELIN, Marc Henri, 1898-

*Les opérations sur les nerfs (opérations de Stöffel et de Royle) dans le traitement des paraplégies spastiques de l'enfance. 53p. 8°. Par., Ernest Flammarion, 1928.

— Plaies et maladies infectieuses des mains; préface de C. Lenormant. viii, 217p. 8°. Par., Masson & cie, 1928.

— Chirurgie de la main; plaies, infections et chirurgie réparatrice. xii, 339p. illust. 8°. Par., Masson & cie, 1933.

— The same. Livre du praticien, plaies, infections et traumatismes fermés de la main. 320p. illust. 25½cm. Par., Masson & cie, 1938. Also Engl. ed., transl. by T. M. J. d'Offay, & Thomas B. Mouat. xiii, 353p. illust. pl. 23cm. Lond., J. & A. Churchill, 1940.

ISEMANN, Wolfgang, 1905- *Ueber Stauungserscheinungen an der Papille bei multipler Sklerose [München] 13p. 8°. Ochsensfurt a. Main, Fritz & Rappert, 1931.

ISENBERG, Ernst, 1906- *Versuche zur Frage der Resistenz der Diphtherie- und Typhusbazillen gegen Austrocknen. 22p. 8°. Bresl., Breslauer Genossenschafts-Buchdr., 1930.

ISENBERG, Morris, 1906- *Der Fortschritt der tropischen Helminthologie seit dem Kriege. 45p. 8°. Berl., Gebr. Hoffmann, 1935.

ISENBURG, Ursel.

Davies, N., & Isenburg, U. Standard radiographic positions. 136p. 20cm. Balt., 1941.

ISENSEE, Joachim, 1911- *Der Wandel in der Wundbehandlung während der ersten Hälfte des 19. Jahrhunderts; eine historische Studie. 32p. 8°. Münch., C. Wolf & Sohn, 1937.

ISEPPI, Girolamo. Analisi di alcune acque minerali del Portogallo. 31p. 18½cm. [n. p., 18..]

ISER, Herbert, 1905- *Angewandte Methoden und Erfolge der Kehlkopfextirpationen der Klinik von 1907 bis 1927 [Berl.] 26p. 8°. Luckenwalde, J. Käppel, 1931.

ISERBECK, Albert, 1903- *Einfluss des Morphiums auf die Diurese beim Menschen [Rostock] 37p. 8°. Fraulautern-Saar, Gebr. Ney [1929]

ISERMAYER, Christa, 1907- *Ueber einen Fall von Placenta praevia cervicalis [Göttingen] 29p. 8°. Frankfurt a. Oder, P. Beholtz, 1931.

ISH, James Kerr.

For biography see in Hist. Med. Nebraska (Tyler, A. F.) Omaha. 1928, 52.

ISHAK-Ogü, A.

See **Ishāq-Ogü, A.**

ISHAM, Ralph N., 1831-1904.

For portrait see Q. Bull. Northwest Univ. M. School, 1943, 17: 83.

ISHAQ-UGLU, A. *Studien zur Coxa vera; Betrachtung unter besonderer Berücksichtigung der Verlaufsrichtung der Epiphysenlinie [Heidelberg] 47p. 8°. Berl., Sonnendr., 1928.

ISHILL, Joseph, ed. Havelock Ellis, in appreciation, by Elie Faure, Bertrand Russell, H. L. Mencken [et al.] xlvii, 299p. 15 pl. 8°. Berkeley Heights, N. J., Oriole Press, 1929.

ISIDOR, Saint, Bishop of Sevilla, 570-636. Etymologiarum libri XX. 264 l. fol. [Augsburg] Günther Zainer, Nov. 19, 1472.

— The same. Liber IV ethymologiarum [with commentary of S. Champier] p. 106-25. 8°. Lyon, 1508.

In: De tripl. discipl. (Champier, S.) Lyon, 1508, pt 1: **ISIDOR, Pierre Maurice, 1904-** *Essai d'étude morphologique de certaines formes

d'interaction utéro-placentaire; contribution à l'étude des modifications des fibres musculaires au cours des rétentions cotylédonnaires, des rétentions molaires et des chorio-épithéliomes. 90p. 25cm. Par., Vigot frères, 1938.

ISIDOYA, Tutomu, 1891— *Chinesische Drogen. Teil I-III. 3v. 8° Keijo, Pharm. Inst. Keijo Univ., 1933-37.*

ISIGKEIT, Eduard, 1900— **Ueber die Erbllichkeit des angeborenen Klumpfußes. p. 535-56. 8° Münch., J. F. Bergmann, 1927.*

Also Arch. orthop. Unfallchir., 1927, 25:

ISIKAWA, Mituharu.

For portrait see Collection in Library.

ISIKAWA, Tiyomatu, 1860-1935.

Yatu, N. [Obituary] Annot. zool. jap., 1935, 15: 3, portr.

ISIKAWA, Tomoyosi. Physiological standards and occupational characteristics apparent in bodily functions of the Japanese; power of grip measured by dynamometer. 14p. 26½cm. Kurasiki, Inst. Sc. Labour, 1932.

Forms No. 12, Rep. Inst. Sc. Labour, Kurasiki.

ISING, Clemens, 1904— **Gebissuntersuchungen an kongenitalluetischen Kindern mit Störungen des Zentralnervensystems. 58p. 8° Bonn, P. Kubens, 1930.*

ISINGGLASS.

See also **Glue**.

Isinglass as a blood substitute. Lancet, Lond., 1941, 2: 135.—**Isinglass** as a transfusion fluid. Brit. M. J., 1941, 2: 166.

ISIS. Bruxelles [v. p.] v. 1, 1913—

ISKRAUT, Hans, 1909— **Ueber hypophysäre Kachexie und die Veränderungen in der Mundhöhle bei dieser Krankheit. 40p. 4 pl. 23½cm. Berl., R. Pfau, 1936.*

ISLA, Rodrigo Ruiz Diaz de, 1462-1542. Tractado contra el mal serpentino: que vulgarmente en España es llamado bubas. 54 l. fol. Sevilla, Dominico de Robertis, 1539.

ISLAM.

See also **Arabs**; **Koran**; **Muhammad**; also names of countries as **Algeria**; **Iraq**; **Morocco**, etc.

EL AKROUT, A. Les pratiques de la prière et l'hygiène chez les Musulmans. 30p. 8° Par., 1936.

ASHMAWY, K. *Règles de prophylaxie dans l'Islam, d'après les Sourates; leurs rapports avec les problèmes de la dénatalité. 45p. 24cm. Par., 1939.

BETHAM, R. M. Maráthas and Dekhani Musalmans. xxvi, 170p. 8° Calc., 1908.

BOURNE, W. F. G. Hindustani Musalmans and Musalmans of the eastern Punjab. 110p. 8° Calc., 1914.

DUCHÈNE-MARULLAZ, H. *L'hygiène des Musulmans d'Algérie. 96p. 8° Lyon, 1905.

POTTIER, R. Initiation à la médecine et à la magie en Islam. 125p. 19cm. Par. [1939]

WIKLEY, J. M. Punjabi Musalmans. 130p. 8° Calc., 1915.

Anderson, R. G. Civilisation and Mohammedanism. Rep. Wellcome Trop. Res. Lab. Khartoum, 1911, 4: B, 242.—**Creedy, F.** Islam. In his Human Nature, Chapel Hill, 1939, 125-30.—**Dumont, A.** Démographie des musulmans Algériens. C. rend. Ass. fr. avance. sc. (1897) 1898, 26: pt 2, 589-614.—**Galestin, J. H., Maasland, J. H., & Rijs, C. E.** Mosque improvements. Meded. dienst volksgez. Ned. Indië, 1937, 26: 323-7.—**Gilmour.** Rapport sur le pèlerinage de 1938. Bull. Off. internat. hyg. pub., Par., 1938, 30: 2534-6.—**Greenberg, J. H.** Some aspects of Negro-Mohammedan culture-contact among the Hausa. Am. Anthropol., 1941, 43: 51-61.—**Hamet, I.** Psychologie et sociologie musulmanes. Rev. psychothér., Par., 1910-11, 25: 367-70.—**Holmyard, E. J.** Chemistry in Islam. Scientia, Milano, 1926, 40: 287-

96.—**Izeddin, A.** Eine mohammedanische Legende. Imago. Wien, 1932, 18: 189-213.—**Kheisalla, G. J.** Der Einfluss des Mohammedanismus auf die Medizin. Fortsch. Med., 1912, 30: 357-64.—**Lalinsky, H.** Fatima Bibi comes to town. Med. Missionary, Phila., 1941, 15: 6.—**Lesieur, C.** L'islamisme devant l'hygiène. Presse méd., 1905, annexes, 729-31.—**Macdonald, D. B.** Continuous re-creation and atomic time in Muslim scholastic theology. Isis, Bruges, 1927, 9: 326-44.—**Mjeli, A.** La astronomía en el mundo islámico; astrónomos teóricos y astrónomos observadores. Archeion, Santa Fé, 1941, 23: 84-99.—**Nykl, A. R.** Miguel Asín Palacios; Huellas del Islam; Madrid, 1941. Isis, Menasha, 1941, 33: 539-44.—**Porot.** Notes de psychiatrie musulmane. Ann. méd. psychol., Par., 1918, 10. ser., 9: 377-84.—**Ramali, A.** [Medico-hygienic propaganda in certain Muhammedan regions] Geneesk. tscrif. Ned. Indië, 1933, 73: 1188-93; 1396-9.—**Robinson, A. E.** The Mahmal of the Moslem pilgrimage. J. R. Asiat. Soc., Lond., 1931, 117-27.—**Rorie, F. M.** The Mohurum, Caledon. M. J., 1918-20, 11: 207, pl.—**Rose, H. A.** Muhammedan betrothal observances in the Punjab. Man, Lond., 1917, 17: No. 4, 58-62.—**Schlee.** Die Frau im Islam. Erdball, 1927, 1: 161-4.—**Souques, A.** Mahomet et la thérapeutique. Presse méd., 1940, 48: 645-7.—**Tritton, A. S.** Islam and the protected religious. J. R. Asiat. Soc., 1931, 311-38.—**Wiedemann, E., & Frank, J.** Die Gebetszeiten im Islam. Sitzber. Phys. med. Soz. Erlangen, 1926, 58: 1-32.

ISLAMI, Rasi, 1899— **Fortschritte in der Behandlung der perniziösen Anämie [Berlin] 40p. 8° Charlottenb., Gebr. Hoffmann, 1930.*

ISLAND.

See also **Ocean**; **Pacific Islands**.

Isole (Ie) nascenti. Gior. farm. chim., Tor., 1866, 15: 270-5.—**Mumford, E. P.** The present status of studies of faunal distribution with reference to oceanic islands. Proc. Pacific Sc. Congr. (1939) 1940, 6. Congr., 4: 241-8. —The study of faunal distribution with particular reference to oceanic islands. Yearb. Am. Philos. Soc., 1941, 136-8.—**Pearse, A. S.** Populations of marine habitats in relation to the resources of the sea. Proc. Am. Sc. Congr. (1940) 1942, 8. Congr., 3: 109-11.

ISLAND of Reil.

See under **Brain**.

ISLE of Man. Local Government Board. Public health; summary of the annual report of the Inspector of Public Health. Douglas, 1913—

ISLE of Man. Registrar General. Annual report and statistical review of births, deaths, marriages, and vaccinations [Douglas] 1909—

ISLE of man.

Davies, E., & Fleure, H. J. A report on an anthropometric survey of the Isle of Man. J. R. Anthropol. Inst. Gr. Britain, 1936, 66: 129-87, ch.

ISLER, Emil [M. D., Basel 1927] **Die Beziehungen der Ovarialfunktion zu gynäkologischen Erkrankungen. 31p. 8° Basel, H. Wüthrich & co., 1927.*

ISLER, Flora Lydia [M. D., Basel 1941] **Ueber gastrointestinale Prodromalerscheinungen der Heine-Medin'schen Krankheit und deren eventuelle Bedeutung für die Lokalisation des Krankheitsprozesses. 32p. tab. diagr. 24½cm. Basel, H. Singenberger-Schaub, 1941.*

ISLINGTON, Eng. Medical Officer of Health. Annual report of the health and sanitary conditions of the metropolitan borough. Islington, 58., 1913—

ISMAIL, Djavid, 1908— **Hauptzellenadenomen der Hypophyse. 25p. 2 pl. 23cm. Berl., R. Pfau, 1938.*

ISMAILOWA, Hairnissa, 1905— **Ueber die Anwendung des Acridinfarbstoffe Rivanol und Trypaflavin in der Chirurgie [Berl.] 36p. 8° Berl., E. Ebering, 1930.*

ISMOJIK, Abraham, 1900— **Contribution à l'étude des troubles gastriques et duodénaux au cours de la maladie de Hirschsprung. 66p. 2 pl. Par., Lib. L. Arnette, 1927.*

ISNARD, Jean Pierre Emile Joseph, 1895— **Contribution à l'étude de la castration des*

ruminants par la méthode de Burdizzo [Alfort Vet.] 55p. 24cm. Amiens, Impr. Progrès Agricole, 1935.

ISNARDI, Lodovico, 1859-1927.

Serafini, G. *Necrologia*. Gior. Accad. med. Torino, 1927, 4. ser., 33: 109-14, portr.

ISO ...

For subjects beginning with this prefix see also under radicals as **Butyric acid** for Iso-butyric acid, etc.

ISOAGGLUTINATION.

See under **Blood group**.

ISOARD, Lucien Eugène Alexandre, 1908-

*Le traitement des fausses-routes de l'urètre. 46p. 25cm. Bord., Y. Cadoret, Delmas, 1933.

ISOELECTRIC point.

See also **Cell**, **Electrokinetics**; **Colloid**, **Electrical properties**; **Electrolyte**, **Dissociation**; also names of substances as **Hemoglobin**, etc.

Hill, T. L. General theory of the isoelectric point. *J. Phys. Chem.*, 1942, 46: 417-28. ——— Theory of the isoelectric point. *Ibid.*, 597-605; 621-4.—Hitchcock, D. I. Calculation of isoelectric zones and isoelectric points. *J. Biol. Chem.*, 1936, 114: 373-9.—Monaghan, B., White, H. L., & Urban, F. A comparison of the electrophoretic, electrosmotic and stream potential isoelectric points at glass and gelatin surfaces. *J. Phys. Chem.*, 1935, 39: 585-91.—Rubinstein, D. L., & Uspenskaja, V. Ueber den isoelektrischen Punkt der pflanzlichen Plasmahaut. *Protoplasma*, Lpz., 1934, 21: 191-225.—Seki, M., & Chin, K. Bestimmung des isoelektrischen Punktes der Gewebeelemente auf färbischem Wege; an Embryo von Huhn. *Okajimas fol. anat.*, 1940, 19: 59-64.—Seki, M., & Kohasi, Y. Bestimmung des isoelektrischen Punktes der Gewebeelemente auf färbischem Wege; Ergebnisse der pH-Bestimmung in Anwendung verschiedener Puffergemische. *Ibid.*, 47-52. ——— Bestimmung des isoelektrischen Punktes der Gewebeelemente auf färbischem Wege; Versuche an dicht strukturierten und lipoidreichen Gebilden. *Ibid.*, 53-7. ——— Bestimmung des isoelektrischen Punktes der Gewebeelemente auf färbischem Wege an Kaninchenembryo. *Ibid.*, 65-8.—Zeiger, K. Zur Methodik der Bestimmung des Umladungsbereiches histologischer Elemente im fixierten Zustand. *Zschr. wiss. Mikr.*, 1937, 54: 82-7.

ISOGAMY.

See **Conjugation**; **Gamete**; **Reproduction**.

ISOHEMOLYSIS.

See **Blood groups**; **Hemolysis**.

ISOKRATES, 436-338 B. C. [Πρὸς Δημόκριτον] *Oratio ad Demonicum*. p.52-54. 4°. Lyon, 1507.

In Champier, S. De Quadrup. vita. Lyon, 1507, 52-4.

— The same. *Paraenesis ad Daemonicum*. Transl. by R. Huisman. f.28r-33r. 15½cm. Basel, 1518.

In Huisman, R. *Nonnulla opusc.*, Basel, 1518.

— Ἐπιστολαί.

See Collect. epist. Graec., Venez., 1499, 42a-53b.

ISOLA, Alberico, 1856-1933.

Necrologia. Arch. urug. med., 1933, 2: 317.

ISOLATION.

Bernard, L. L. Isolation; extreme types. In his *Introduct. Sociol.*, N. Y., 1942, 244-50.—Dennis, W. The significance of feral man. *Am. J. Psychol.*, 1941, 54: 425-35. Also *Psychol. Bull.*, 1941, 38: 697.—Farnsworth, P. R. Social effects in physical isolation. In *Fields of Psychol.* (Seashore, R. H.) N. Y., 1942, 505-8.—Lestchinski, A. L'isolé social. *Praxis*, Bern, 1942, 31: 715-21.—Regnault, F. El hombre en el estado de bruto salvaje. *Rev. méd.*, Puebla, 1937, 10: No. 87, 4; No. 88, 6.

ISOLATION ward.

See **Infectious disease**, **Hospitals and hospitalization**; also **Quarantine**.

ISOM, Thomas Dudley, 1816-1902.

Underwood, F. J., & Whitfield, R. N. [Biography] In *their Pub. Health Mississippi*, Jackson, 1938, 116, portr.

ISOMERISM.

See also **Chemistry**, **structural**; **Enol**; **Molecule**; **Polarization**; **Polymerism**.

BOUREL, H. *Etude de quelques stéréoisomères alicycliques [Montpellier. Pharm.] 86p. 25½cm. Vaison-la-Romaine, 1938.

CUSHNY, A. R. Biological relations of optically isomeric substances. 80p. 8°. Balt., 1926.

SHRINER, R. L., ADAMS, R., & MARVEL, S. C. Stereoisomerism. p. 150-405. 23½cm. N. Y., 1938.

Cabannes, J. Sur l'isomérisie cis et trans. *J. chim. phys.*, Par., 1938, 35: 1-15.—Davies, G. F., & Gilbert, E. C. Heats of combustion and of formation of the nine isomeric heptanes in the liquid state. *J. Am. Chem. Soc.*, 1941, 63: 2730-2.—Egorov, I. V. [Isomerization of higher acids of the type $C_nH_{2n-2}O_2$ by action of potassium hydroxide] *J. Russ. fiz. khim. obsch.*, khim. ch., 1914, 46: 975-94.—Ellis, C., & Wells, A. A. Stereoisomeric transformation. In *their Chem. Action UV Rays*, rev. ed., N. Y., 1941, 412-36.—Favorsky, A. [Isomeric transformations of haloaldehydes and sulfovinic acids, accomplished by regrouping of carbonic atoms] *J. Russ. fiz. khim. obsch.*, khim. ch., 1918, 50: 43-80.—Gottlieb, R. Ueber die Wirkungsverschiedenheit optischer Isomeren (Vergleich von l-Cocain und d-Cocain) *Zschr. physiol. Chem.*, 1923, 130: 374-9.—Greenstein, J. P. The titration constants of α , β -diaminopropionic acid and their relation to the constants of various isomers. *J. Biol. Chem.*, 1932, 96: 499-510.—Harkness, R. W. Kinetics of thermal cis-trans isomerizations. *J. Am. Chem. Soc.*, 1936, 58: 1058.—Hause, H. F., & Smaragdova, N. P. [Biological effect of optic isomers of organic acids; temperature characteristics of the toxic action of optic isomers of organic acids] *Bull. eksp. biol. med.*, 1939, 7: 105-7.

— [Biological effect of optic isomers; effect of isomers of vnic acid on the metabolism in lower animals and in vertebrates] *Ibid.*, 108-10.—Henze, H. R., & Blair, C. M. The number of structural isomers of the more important types of aliphatic compounds. *J. Am. Chem. Soc.*, 1934, 56: 157.—Hertel, E., & Frank, H. Ueber Komplexisomerie; Bildung der Kristallkeime und Kristallgitter von komplexisomeren Modifikationen; thermochemische Studien. *Zschr. phys. Chem.*, Abt. B, 1934, 27: 460-6.—Keffler, L. J. P. Homology and isomerism in long-chain compounds; a thermochemical study of the n-alkyl esters derived from the monoethylenic monocarboxylic acids in C_{15} . *J. Phys. Chem.*, 1937, 41: 715-21.—Kistiakowsky, G. B., & Smith, W. R. The kinetics of thermal cis-trans isomerization. *J. Am. Chem. Soc.*, 1935, 57: 269-71; 1936, 58: 766-8.—Landsteiner, K., & van der Scheer, J. Serological differentiation of steric isomers. *J. Exp. Med.*, 1928, 48: 315-20.—Magee, J. L., Shand, W. J., & Eyring, H. Non-adiabatic reactions; rotation about the double bond. *J. Am. Chem. Soc.*, 1941, 63: 677-88.—Miller, O. [Effect of concentration on isomerization] *J. Russ. fiz. khim. obsch.*, khim. ch., 1915, 47: 1544-9.—Nozaki, K. Cis-trans isomerizations; the mechanism of the amine catalyzed isomerization of diethyl maleate. *J. Am. Chem. Soc.*, 1941, 63: 2681-3.—Ogg, R., Jr. Cis-trans isomerizations; the mechanism of a catalyzed isomerization of maleic acid to fumaric acid. *Ibid.*, 2583-6.—Plotnikov, W. A. Die Protonenisomerie. *Zschr. phys. Chem.*, 1927, 129: 427-34.—Pontecorvo, B. Recent experimental results in nuclear isomerism. *Nature*, Lond., 1939, 144: 212.—Price, C. C., & Thorpe, R. S. A chemically-catalyzed cis-trans isomerization. *J. Am. Chem. Soc.*, 1938, 60: 2839-41.—Richter, G. H., & Dosser, R. C. Ueber die Adsorption optischer Isomere an Nervengewebe. *Biochem. Zschr.*, 1934, 268: 399-405.—Rozanov, N. A. [Isomerization of the 3-membered ring] *J. Russ. fiz. khim. obsch.*, khim. ch., 1916, 48: 168-89. ——— [Isomerization in series of cyclohexanol and its homologs and cyclohexylcarbinol] *Ibid.*, 309-21.—Stelling, O. Untersuchungen über die K-Röntgenabsorptionsspektren von stereoisomeren Verbindungen. *Zschr. phys. Chem.*, Abt. B, 1933, 23: 338; 407.—Totter, J. R., & Berg, C. P. The influence of optical isomerism on the utilization of tryptophane, histidine, and lysine for growth in the mouse. *J. Biol. Chem.*, 1939, 127: 375-83.—Weissberger, A. Configurations about single bonds. *J. Org. Chem.*, 1937-38, 2: 245-52.

ISOMORPHISM.

For biological isomorphism see **Resemblance**.

Laves, F., Löhberg, K., & Rahlfs, P. Ueber die Isomorphie von Mg_2Al_2 und α -Mangan. *Nachr. Ges. Wiss. Göttingen, math.-phys. Kl.*, 1934-35, n. F., 1: Geol. &c., 67-71. McConnell, D. Isomorphism and isotypism among silicates and phosphates. *Science*, 1943, 97: 98.

ISONNI, T.

See Chimichj, G. & Isonni, T. Guida alle ricerche di chimica clinica per il medico pratico. 3v. 8° [Milano, 1934]

ISOPATHY.

See also **Biological products; Homeopathy; Serotherapy; Vaccine.**

DUNCAN, C. H. *Autotherapy*. 361p. 8°. N. Y. [1918]

Mackenzie, G. W. The comparative merits of isopathy and homeopathy. *Hahnemann Month.*, 1936, 71: 788-92.—Mori, N. Le isopatine. *Ann. ital. chir.*, 1929, 8: 1183-200. Also *Rass. ital. otorinol.*, 1929, 3: 284-9.—Persson, W. M. Die Grenzgebiete der Isopathie. *Deut. Aerzte Ztg.*, 1932, 7: No. 327.—Stewart, T. M. Fascinating developments of the auto-therapy; practical resumé of technique and sphere of action. *Am. Physician*, 1923, 28: 807-11.—Young, W. W. Isopathy and homeopathy; their relationship. *J. Am. Inst. Homeop.*, 1935, 28: 741-3.

ISOPODA.

See also **Crustacea.**

JACKSON, H. G. Check-list of the terrestrial and fresh-water Isopoda of Oceania. 35p. 24½cm. Wash., 1941.

MALONEY, J. O. A new cave isopod from Florida. p. 457-9. 8° Wash., 1939.

PEARSE, A. S., & WALKER, H. A. Two new parasitic isopods from the Eastern Coast of North America. p. 19-23. 8° Wash., 1939.

Barnes, T. G. Experiments on *Ligia* in Bermuda; reactions to common cations. *Biol. Bull.*, 1939, 76: 121-6.—Bohart, R. M., & Mallis, A. The control of pillbugs and sowbugs. *J. Econ. Entomol.*, 1942, 35: 654-8.—Brian, A. A proposito di un isopodo parassita dell'*Atherina mochon* Cuv. e Val. *Monit. zool. ital.*, 1921, 32: 20-4.—Howard, H. W. The genetics of *Armadillidium vulgare* Latr.; studies on the inheritance of monogony and amphogony. *J. Genet.*, Camb., 1942, 44: 143-59.—Leigh-Sharp, W. H. *Badroulboudour splendida*, n. g. et sp., a new parasitic isopod from Ecuador. *Parasitology*, Lond., 1937, 29: 391-4.—Mendoza, J. M. A new Philippine phalloid (*Anthurus brownii*) Philippine *J. Sc.*, 1934, 53: 207-9, pl.—Nicholls, G. E. A new species of *Asellus* (*A. nipponensis*) from Japan. *Arch. zool. exp., Par.*, 1929, 68: Notes et rev., 33-8.—Sawaya, P. An invertebrate in the head of *Ligia exotica* Roux (Crustacea; Isopoda). *Proc. Am. Sc. Congr.* (1940) 1942, 8. Congr., 3: 487-90, pl.—Vandel, A. Gigantisme et triploidie chez l'isopode *Trichoniscus* (*Spiloniscus*) *provisioris* Racovitza. *C. rend. Soc. biol.*, 1927, 96: 106-8.—Les conditions de la monogonie chez l'isopode terrestre, *Chaetophiloscia elongata* Dollfus. *C. rend. Acad. sc.*, 1939, 208: 1682-4.—Waloff, N. The mechanisms of humidity reactions of terrestrial isopods. *J. Exp. Biol.*, Lond., 1941, 18: 115-35.

ISOPRAL.

See under **Propanol.**

ISOPRENE [CH₂:C(CH₃).CH:CH₂]

See also **Rubber; Terpene.**

Bergman, A. G. [Reactions of addition to paired systems of double unions; bromination of isoprene] *J. Russ. fiz. khim. obshch.*, khim. ch., 1920, 52: 24-37.—Carmody, W. H., & Carmody, M. O. Polymerization of isoprene. *J. Am. Chem. Soc.*, 1937, 59: 2073.—Kondakov, I. [Correction of articles by I. I. Ostromyslensky] *J. Russ. fiz. khim. obshch. khim. ch.*, 1916, 48: 524-6.—Taylor, H. S., & Shenk, W. J. The conversion of acetone to isoprene. *J. Am. Chem. Soc.*, 1941, 63: 2756.—Winberg, H. E. Condensations introducing potential isoprene units. *Summaries Doct. Diss.* Northwestern Univ., 1942, 10: 269-74.

ISOPTERA.

See also in 3. ser. **Termites.**

BLAKE, C. H. What are termites? 8p. 8° Bost., 1937.

UNITED STATES. ENTOMOLOGY AND PLANT QUARANTINE BUREAU. Insects in relation to national defense. Circular 2: Termites. 43 numb. l. 23cm. [Wash.] 1941.

— The same. Supplement A: Termites. [15] l. 23cm. [Wash.] 1941.

Adamson, A. M. New termite intercastes. *Proc. R. Soc.*, Lond., ser. B, 1940-41, 129: 35-53.—Ahrens, W. Monographie des weiblichen Geschlechtsapparates der Termiten (nach Untersuchung an Termes redemanni) *Zeitschr. Naturwiss.*, 1935-36, 70: 223-302, 4 pl.—Bailie, M. A. War declared on pests! *Mod. Hosp.*, 1940, 55: No. 6, 102.—Benkert, J. B. The chromosomes of the termite *Reticulitermes flavipes*. *Theses Univ. Pittsburgh*, 1930, 6: 224.—Cook, S. F. Nonsymbiotic utilization of carbohydrates by the termite, *Zootermopsis angusticollis*. *Physiol. Zool.*, 1943, 16:

123-8.—Costa Lima, A. da. Sobre um *Kaloterme* do Rio de Janeiro; *Isoptera: Kalotermitidae*. *Mem. Inst. Oswaldo Cruz*, 1938, 33: 359-62, 2 pl.—Cross, J. C. A simple method of controlling termites. *Science*, 1942, 95: 433.—Goetsch, W. Staatengründung und Kastenbildung bei Termiten. *Naturwissenschaften*, 1941, 29: 1-13.—Hare, L. Caste determination and differentiation with special reference to the genus *Reticulitermes* (*Isoptera*) *J. Morph.*, 1934, 56: 267-93.—Hendee, E. C. Laboratory colonies of termites. In *Cult. Meth. Invertebr.* (Galtsoff, P. S., et al.) Ithaca, 1937, 275-9.—Hockenyos, G. L. Laboratory evaluation of soil poisons used in termite control. *J. Econ. Entomol.*, 1939, 32: 147-9.—Imms, A. D. On the structure and biology of *Archotermopsis*, together with descriptions of new species of intestinal protozoan, and general observations on the *Isoptera*. *Philos. Tr. R. Soc. London*, 1920, ser. B., 209: 75-180, 7 pl.—Jucci, C. Il problema delle termiti nell'Africa Orientale Italiana. *Riv. biol.*, 1938, 25: 337-46.—King, H. H. White ants. *Termitidae*. *Rep. Welleome Trop. Res. Lab. Khartoum*, 1911, 4: B, 140-2.—Kinsley, C. H. *Reticulitermes tibialis* in cottonseed bolls. *J. Econ. Entomol.*, 1942, 35: 76.—Mullen, J. A. A case of wine-damaged termites. *Science*, 1942, 95: 529.—Termites (The) are winning. *Time*, 1942, 40: No. 2, 38.—Von Hagen, V. W. Natural history of termites; their geography. *Se. Month.*, 1942, 58: 489; passim.

ISOSPORAS.

See also **Coccidiida; Coccidiosis.**

Boughton, D. C. Studies on oöcyt production in avian coccidiosis; chronic isosporan infections in the sparrow. *Am. J. Hyg.*, 1937, 25: 203-11.—Henry, A., & Lebis, C. Essai de classification des coccidies de la famille des Diplosporidae Leger, 1911. *Ann. parasit. Par.*, 1926, 4: 22-8.—Henry, A., & Leblois, C. Essai de classification des coccidies diplosporidées tétrazoïques. *C. rend. Acad. sc.*, 1925, 180: 700.—Machado, O. Considerações sobre as isosporoses humanas. *Bol. Inst. Vital Brasil*, 1936, No. 18, 1-24.—Reichenow, E. Ueber das Vorkommen von zwei Coccidienarten der Gattung *Isospora* beim Menschen. *Arch. Schiffs Tropenhyg.*, 1925, 29: 172-8.—Wenyon, C. M. Coccidiosis of cats and dogs and the status of the *Isospora* of man. *Ann. Trop. M. Parasit.*, Liverpool, 1923-24, 17: 231-78, 5 pl. — Coccidia of the genus *Isospora* in cats, dogs and man. *Parasitology*, Lond., 1926, 18: 253-66.

belli.

Barros, S. Um caso de coccidiose humana por *Isospora belli* Wenyon. *Sciencia med.*, Rio, 1929, 7: 163-5, pl.—Corcuff, C. Deux observations d'*Isospora belli* au Maroc. *Ann. parasit. Par.*, 1936, 14: 440-3.—Das Gupta, B. M. Observations on a case of coccidial infection in man (*Isospora belli* Wenyon, 1923) *Ind. M. Gaz.*, 1934, 69: 133.—Foner, A. An attempt to infect animals with *Isospora belli*. *Tr. R. Soc. Trop. M. Hyg.*, Lond., 1939-40, 33: 357.—Galliard, H. Premier cas de coccidiose humaine à *Isospora belli* Wenyon 1923 signalé au Tonkin. *Bull. Soc. path. exot.*, Par., 1936, 29: 118-20.—Leger, A. Un cas de coccidiose intestinale humaine à *Isospora belli* Hué (Annam) *Ibid.*, 1926, 19: 95.—Pinto, C., & Pacheco, G. Sur la présence de l'*Isospora belli* Wenyon (1923) au Brésil. *C. rend. Soc. biol.*, 1925, 93: 1258.—Pons, R. Coccidiose intestinale humaine à *Isospora belli* (Wenyon, 1922) considérations générales (étude de 2 nouveaux cas observés à Saigon) *Bull. Soc. path. exot.*, Par., 1925, 18: 570-84, 2 pl.—Prado, A. Um caso de infecção humana por *Isospora belli* Wenyon. *Ann. parl. med. cir.*, 1934, 28: 139.—Ter-Matevosian, S. M., & Tzaturian, A. T. [Case of infestation with *Isospora belli* in man] *Med. parazit.*, Moskva, 1932, 1: 249.

bigemina.

Bacigalupo, J. El *Isospora bigemina* Stiles, parásito del hombre. *Sem. méd.*, B. Air., 1940, 47: pt 2, 1153-5.—Hagan, W. A. *Isospora bigemina*. In *his Infect. Dis. Domest. Animals*, Ithaca, 1943, 429.—Raifman, J. Un caso de parasitosis humana originado por el *Isospora bigemina*; observado por primera vez en la ciudad de Rosario. *Arch. argent. enferm. ap. digest.*, 1942-43, 18: 101-15.

hominis.

Briceño Rossi, A. L. La coccidiosis en el hombre; primer caso de *Isospora hominis* en Venezuela. *Rev. san.*, Caracas, 1942, 7: 449-58, 2 pl.—Castex, M. R., Greenway, D., & Mollard, H. Coccidiasis intestinal por *Isospora hominis*. *Rev. Soc. med. int.*, B. Air., 1928, 4: 101-8.—Chatridge, I., & Kipschide, N. Ueber einen Fall von Coccidiosis beim Menschen, Spezies *Isospora hominis*. *Arch. Schiffs Tropenhyg.*, 1926, 30: 248-50.—Connal, A. Observations on the pathogenicity of *Isospora hominis* Rivolta emend. Dobell, based on a second case of human coccidiosis in Nigeria; with remarks on the significance of Charcot-Leyden crystals in the faeces. *Tr. R. Soc. Trop. M. Hyg.*, Lond., 1922-23, 16: 223-45.—Dobell, C. On the species of *Isospora* parasitic in man. *Parasitology*, Lond., 1926, 18: 74-85.—Franchini, G. Ueber einen Coccidiosisfall beim Menschen, verursacht durch *Isospora hominis* Rivolta. *Arch. Tropenkr. (Festschr. B. Nocht)* Hamb., 1927, 115-20. Also *Arch. ital. sc. med. col.*, 1927, 8: 305-11.—Haughwout, F. G. Note on a case of human infection with *Isospora hominis* probably originating in the United States.

J. Parasit., Urbana, 1921-22, 7: 45.—**Hormaeche, E.** Nota sobre la presencia en un caso humano de Isospora hominis en el intestino. Bol. Inst. clin. quir., B. Air., 1927, 3: 223-5.—**Newham, H. B., & Robertson, A.** A case of Isospora hominis Rivolta (Dobell) probably contracted in Durban, South Africa. J. Trop. M. Hyg., Lond., 1922, 25: 344.—**Rhode, J.** Ein Coccidienbefund (Isospora hominis) in dem Stuhl eines deutschen Kriegsteilnehmers aus der Türkei. Klin. Wschr., 1923, 97: 1222.—**Schule, P. A.** Isospora hominis; a second case of infection in the Philippine Islands. Am. J. Trop. M., 1927, 7: 217-9.—**Wassell, C. McA.** Isospora hominis discovered in China. China M. J., 1923, 37: 661-3.

Species.

Biester, H. E., & Murray, C. Studies in infectious enteritis of swine; Isospora suis n. sp. in swine. J. Am. Vet. M. Ass., 1934, 85: 207-19.—**Boughton, D. C.** The value of measurements in the study of a protozoan parasite Isospora lacazei (Labbé) Am. J. Hyg., 1930, 11: 212-26.—**Isospora volki n. sp.**, a new arian coccidian. J. Parasit., Urbana, 1937, 23: 97.—**Carini, A.** Sur une isospora de l'intestin de l'Hemidactylus mabuyae. Ann. parasit., Par., 1936, 14: 444-6.—**Isospora cruzi**, parasite dell'intestino di alcune ile del Brasile. Arch. ital. sc. med. col., 1936, 17: 610-3.—**Biocca, E.** Uma nova isospora do intestino do jacaré. Arq. biol., S. Paulo, 1940, 24: 252.—**Hosoda, S.** Studien über die Entwicklung und Vermehrung der Isospora lacazei Labbé. Hukuoka acta med., 1928, 21: 49-52, 2 pl.—**Jakimov, W. L.** Isospora struthionis, n. sp., coccidie de l'autruche africaine. Ann. Soc. belge méd. trop., 1940, 20: 137.—**Levkovich, F. E. N.** Isospora theileri, n. sp., Coccidie der Schakale. Arch. Protistenk., 1932, 77: 533-7.—**Jakimov, W. L., & Machoulsky, S. N.** Isospora strizis n. sp.; eine neue Eulen-coccidie. Ibid., 1936-37, 88: 286-8.—**Isospora gursae n. sp.**, eine neue Schlangenkokzidie. Zbl. Bakt., J. Abt., 1936-37, 138: 302.—**Ray, H., & Das-Gupta, M.** On a new coccidian, Isospora wenyoni n. sp., from the intestine of Indian toad, Bufo melanostictus. Arch. Protistenk., 1935-36, 86: 219-24, pl.—**Isospora knowlesi n. sp.** (Coccidia) from the intestine of a lizard, Hemidactylus flaviviridis (Rüppell) Ibid., 1936-37, 88: 269-74, pl.

ISOTON.

See under Quinoline.

ISOTONIA.

See also Electrolyte; Osmosis; Solution.

Fontela, J. M. La isotonia, la isoionia, la isohidria en medicina. Med. niños, 1934, 35: 108-10.—**Werner, C. F.** Ueber den Einfluss der Konzentration und des osmotischen Druckes der Fixationslösung und die Forderung der Isotonie. Zschr. Zellforsch., 1936, 25: 341-52.—**Wittkop, W.** Isotonie und Isoionie. Deut. Mschr. Zahnh., 1926, 44: 626-36.

ISOTOPY.

See also Atom; Element; Radioactivity; also under proper names of isotopes.

Armstrong, W. D. Radioactive tracer investigations in Copenhagen. Bull. Minnesota M. Found., 1939-40, 1: 35-41.—**Aston, F. W.** The story of isotopes. Rep. Brit. Ass. Advance. Sc., 1935, 23-30. Also Science, 1935, 82: 235-40. International table of stable isotopes. Nature, Lond., 1942, 150: 515.—**Bale, W. F.** The use of artificially produced radioactive elements as tagged atoms in biological research. Radiology, 1940, 35: 184-91.—**Barnett, A.** The use of radioactive forms of the common elements in physiology. Collect. Papers N. York State Psychiat. Inst. (1939-40) 1941, 10: No. 28, 963.—**Bartholomé, E., & Sachsse, H.** Deutung des Schwingungsspektrums organischer Moleküle mit Hilfe des Isotopieeffektes. Zschr. phys. Chem., Abt. B, 1935, 30: 40-52.—**Belitzer, V. A.** [Application of radioactive elements in biochemistry] Usp. sovrem. biol., 1939, 10: 157-9.—**Bijl, A.** [Excretion of isotopes through thermie diffusion] Ned. tsehr. natuurk., 1940, 7: 147-53.—**Bleakney, W.** The relative abundance of isotopes. Proc. Am. Philos. Soc., 1937, 77: 395-409.—**Brewer, A. K., & Bramley, A.** A radioactive isotope study of the absorption of phosphorus and sodium by corn seedlings. Science, 1940, 91: 269.—**Brodsky, A. E., & Miklukin, G. P.** Study of the mechanism of Beckmann's rearrangements by the isotope method. C. rend. Acad. sc. URSS, 1941, 32: 558.—**Champetier, G.** La séparation des isotopes. Bull. Soc. chim. France, 1936, 5. ser., 3: Mém., 1701-27.—**Chargaff, E.** Unstable isotopes; the determination of radioactive isotopes in organic material. J. Biol. Chem., 1939, 128: 579-85.—**Unstable isotopes; the relative speed of formation of lecithin and cephalin in the body.** Ibid., 587-95.—**Clausius, K., & Dickel, G.** Isotopentrennung durch Thermomodiffusion im Trennrohr. Umschau, 1940, 44: 353-5.—**Grosse, A. V., & Agruss, M. S.** The use of artificial radioactive elements as indicators in chemical investigations. J. Am. Chem. Soc., 1935, 57: 591.—**Haas, A. E.** On some periodic properties of the system of isotopes. Proc. Nat. Acad. Sc. U. S., 1940, 26: 305-12.—**Hamilton, J. G.** The rates of absorption of the

radioactive isotopes of sodium, potassium, chlorine, bromine, and iodine in normal human subjects. Am. J. Physiol., 1938, 124: 667-78. — The use of radioactive tracers in biology and medicine. Radiology, 1942, 39: 541-72, pl.—**Hevesy, G.** The application of isotopic indicators in biological research. Enzymologie, Haag, 1938, 5: 138-57. Also Acta Unio internat. cancer., Par., 1939, 4: 175-86. — Application of radioactive indicators in biology. Annual Rev. Biochem., 1940, 9: 641-62.—**Isotopes in physiologic research.** J. Am. M. Ass., 1935, 105: 1432.—**Kendall, J.** Separation of isotopes and thermal diffusion. Nature, Lond., 1942, 150: 136-40.—**Kjerulf-Jensen, K.** Anvendelsen af isotope grundstoffer, specielt de radioaktive, i den biologiske forskning og kliniske terapi. Nord. med., 1941, 12: 2859-64.—**Kowarski, L.** La radioactivité artificielle et ses applications biologiques. Odontologie, Par., 1939, 77: 205-12.—**Krogh, A.** The use of isotopes in biological research. Orv. hetil., 1935, 79: 1048. — The use of isotopes as indicators in biological research. Science, 1937, 85: 187-91.—**Lautié, R.** Considérations complémentaires sur les isotopes naturels. Bull. Soc. chim. France, 1940, 5. ser., 7: 712-6. — Note au sujet de la classification des divers isotopes naturels. Ibid., 970-2.—**Lawrence, J. H.** The use of radioactive isotopes in the investigation of neoplastic disease. Internat. Congr. Campaign Cancer, 1939, 3. Congr., 21.—**Levi, H.** A Geiger counter arrangement applied to measurements of radioactive indicators in biological research. Acta physiol. scand., 1941, 2: 311-23.—**McCauley, H. B.** Significance of radioactive isotopes in dental research. J. Am. Dent. Ass., 1942, 29: 1219-30.—**Murin, A. N.** [Thermodiffusive method in separation of isotopes] Usp. khimii, 1941, 10: 671-9.—**Ohnell, R. F.** Märkta atomer och isotoper i medicinen. Nord. med., 1941, 10: 1237-40.—**Overstreet, R., & Broyer, T. C.** The nature of absorption of radioactive isotopes by living tissues as illustrated by experiments with barley plants. Proc. Nat. Acad. Sc. U. S., 1940, 26: 16-24.—**Parnas, J. K.** L'application des isotopes radioactifs pour l'exploration des échanges et des transformations biochimiques. Bull. Soc. chim. biol., Par., 1939, 21: 1059-93.—**Polikar, A.** [Isotopes as indicators of substance variations in biological processes] Usp. sovrem. biol., 1940, 13: 76-81.—**Quimby, E. H.** Radioactive isotopes. Britan. Bk 1942, 559.—**Radioactive spies.** Radiography, Lond., 1941, 7: 176.—**Rittenberg, D., & Foster, G. L.** A new procedure for quantitative analysis by isotope dilution, with application to the determination of amino acids and fatty acids. J. Biol. Chem., 1940, 133: 737-44.—**Rosenblum, C., & Flagg, J. F.** Artificial radioactive indicators. J. Franklin Inst., 1939, 228: 471; 623.—**Ross, J. F.** Isotopes in medical investigation and therapy. N. England J. M., 1943, 228: 454; passim.—**Smith, L. P.** The electrical separation of isotopes of calcium and boron in sufficient quantities for biological, medical and nuclear investigations. Yearb. Am. Philos. Soc. (1940) 1941, 249-51.—**Szilárd, L., & Chalmers, T. A.** Chemical separation of the radioactive element from its bombarded isotope in the Fermi effect. Nature, Lond., 1934, 134: 462.—**Tavola internazionale degli isotopi.** Boll. chim. farm., 1939, 78: 179.—**Thode, H. G., & Walking, H. G.** Column packing and the separation of isotopes. Canad. J. Res., 1942, 20: Sect. B. 61-8.—**Use of radioactive isotopes of elements in biologic investigations.** J. Am. Dent. Ass., 1942, 29: 280-5.—**Veil, S.** Les autodiffusions dans les solides et leur contrôle par indicateurs radioactifs. Rev. sc., Par., 1939, 77: 8-11. — Les séparations d'isotopes. Ibid., 1940, 78: 244.—**Winnick, T.** Artificial radioactive isotopes in biochemical research. Chem. Leaflet, 1942-43, 16: No. 9, 80-4.—**Wood, H. G., & Burris, R. H.** Criteria for experiments with isotopes. In Sympos. Resp. Enzymes. Madison, 1942, 252-8.—**Wynne-Jones, W. F. K.** Isotopes as atom indicators for reactions in solution. Advance. Sc., Lond., 1939-40, 1: 218 (Abstr.)

ISOTRICHIA.

See under Ciliata.

ISPAGHULA.

See also Dysentery, bacillary; Treatment.

Skyrme, E. W. The structure and histology of ispaghula (the seeds of Plantago ovata Forsk.) Q. J. Pharm., Lond., 1935, 8: 161-85.

ISRAEL, Ernst, 1907—

*Ueber die Behandlung des Tetanus mit hohen Serumdosen. 38p. 8°. Marb., H. Bauer, 1935.

ISRAEL, Ilse, 1908—

*Ein Fall von lokalem Amyloid [Tübingen] 20p. 8°. Bochum-Langendreer, H. Poppinghaus, 1933.

ISRAEL, Jean, 1912—

*La syphilis sans chancre. 85p. 24cm. Lille, E. François, 1937.

ISRAEL, Léon, 1906—

*Etude clinique et expérimentale des hémopathies benzoliques et d'une aleucie vraie (absence de globules blancs dans le sang) benzo-staphylococcique. 86p. 4 pl. 8°. Strasb., Ed. Univ., 1934.

ISRAEL, René, 1909— *Etude sur l'hypertension d'origine rénale. 147p. 24cm. Par., Jouve & cie, 1938.

ISRAEL, Salvator, 1908— *Etat actuel de nos conceptions sur la pathogénie de l'ostéopongiose. 72p. 8° Par., Lipschutz, 1937.

ISRAEL, Sidney, 1886-1940.

For obituary see Tr. Am. Lar. Rhin. Otol. Soc., 1941, 47: 479.

ISRAEL, Spencer Leon, 1906—

See Mazer, C., & Israel, S. L. Diagnosis and treatment of menstrual disorders and sterility. 485p. 24cm. N. Y., 1941.

ISRAEL [Wilhelm Heinrich Albert] Erich, 1888— *Die typische Ruptur der Sehne des Extensor pollicis longus [Berlin] 65p. 8° Liegnitz, J. H. Burmeister, 1930.

ISRAELI, Joua, 1906— *Sur un nouveau type de syndrome pluriglandulaire à participation hépatique. 89p. 8° Par., Libr. M. Lac, 1931.

ISRAELI, Nathan, 1906— Abnormal personality and time. 123p. 8° Lancaster, Science Press, 1936.

ISRAELITE.

See Jew.

ISRAEL-KOHLER, H. Das Klima von Bad Nauheim. x, 127p. illust. tab. 8° Dresd., T. Steinkopff, 1937.

ISRAELOVICI, Salomon, 1905— *Contribution au traitement des tumeurs malignes du rein chez les enfants; traitement radio-chirurgical. 47p. 8° Par., Jouve & cie, 1933.

ISRAELSKI, Martin, & SIMCHOWITZ, Hermann. Röntgenologische Schleimhautdiagnostik am Verdauungskanal. 76p. 8 pl. 8° Halle a. S., C. Marhold, 1932.

Forms H. 3, Bd 12, Samml. Verdauungskr.

al-ISRA'ILI, Abu Ya'qub Ishāq ibn Sulaiman [Isac Judaeus]

Friedenwald, H. Manuscript copies of the medical works of Isac Judaeus (850? 832?—) the diploma of a Jewish graduate of medicine of the University of Padua in 1695. Ann. Med. Hist., 1929, n. ser., 1: 629-39.—**Mayer, C. F.** [Medical codices of the Budapest University library: Cod. 91. Isac Judaeus Liber dietarum universalium] Orv. hetil., 1926, 70: 118; 3 pl.

ISSAKOVICH, Khaim. *Ueber die Frage einer zeitlichen Antezedenz von Tränensackaffektion vor Lupus faciei. 31p. 8° Zür., E. Kreutler, 1919.

ISSAKOWITSCH, Samuel [M. D., Basel 1926] *Zur Kasuistik des Nabelschnurvorfalles bei den verschiedenen Kindeslagen vom 1. Januar 1912 bis 1. Januar 1922 [Basel] 27p. 8° Strasb., Ed. Univ., 1926.

ISSEL, Paul, 1902— *Teratologische Betrachtungen über das Gesichtsskelett der Säugetiere zum Vergleich mit den Missbildungen und Anomalien des Menschen. 40p. 8° Münster i. W., H. Buschmann, 1932.

ISSEL, Raffaele, 1878-1936.

Remotti, E. Necrologia. Riv. biol., 1937, 22: 535-41.

ISSELS, Josef, 1907— *Ueber das Krankheitsbild der Leukämie [Würzburg] 56p. 8° M.-Gladbach, H. Kirchhofer, 1933.

ISSELSTEIN, Hans, 1908— *Die Verteilung der Drüsen in der menschlichen Nase [Tübingen] 19p. 8° Urach, F. Bühler, 1935.

ISSELSTEIN, Theo, 1905— *Ueber einen eigenartigen Fall von zahlreichen Gefäß-Nerventumoren [Erlangen] 23p. 8° Bottrop-W., W. Postberg, 1935.

ISSERLIN, Beate, 1906— *Reflexschwellenuntersuchung am umschriebenen Netzhautbezirk; Beitrag zu den Methoden der Hemi-kinesimetrie [München] 33p. 8° Würzb., R. Mayr, 1933.

ISSERLIN, Marcus Max, 1879-1941. Psychotherapie; ein Lehrbuch für Studierende und Aerzte. 205p. 8° Berl., J. Springer, 1926.

— Aphasie. p.627-806. Berl., J. Springer, 1936.

In Handb. Neurol. (Bumke & Foerster) Bd 6.

For obituary see J. Nerv. Ment. Dis., 1941, 94: 396. Also Lancet, Lond., 1941, 1: 434.

ISSYG-ATA, Russia.

Issyg-Ata. In Health Resorts USSR (Pertsov, I. A.) Moskva, 1940, 185.

ISTAD, Andreas Halsten Larsen, 1790-1862. Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 585.

ISTANBUL.

See also Turkey.

ISTANBUL, TURKEY. Map. Scale 1:42,240. 19.5x27.5cm. [n. p., n. d.]

[Laws, regulations, instructions and circulars issued by the Board of Health and Board of education of the University of Istanbul] Sihhiye mecmuasi, 1933, 9: 235-82.—**Stade, C.** Das bakteriologische Untersuchungsamt der Mittelmeerdivision in Konstantinopel 1916-18. In Vor 20 Jahren (Deut. med. Wschr.) Lpz., 1935, 2. F., 183-90.—**Zschech, B.** Das deutsche Marine-Sanitätskommando in den türkischen Kriegszentren in Konstantinopel. Ibid., 126-40.

ISTHMIAN Canal.

See Canal Zone.

ISTHMUS.

See name of part or organ as Eustachian tube; Thyroid, etc.

ISTIN, Marc.

See Héderer, L. C., & Istin, M. L'arme chimique et ses blessures. 696p. 8° Par., 1935.

ISTIOPHORUS.

Beebe, W. Eastern Pacific expeditions of the New York Zoological Society; a study of young sailfish, Istiophorus. Zoologica, N. Y., 1941, 26: 209-27, 5 pl.

ISTITUTO.

Institutes as authors are listed under names of cities or countries where they are located, e. g., Istituto Centrale di Statistica listed as Italy. Istituto Centrale di Statistica.

ISTVANFFI, Gyula, 1860— A Clusius-Codex mykologiai méltatása, adatokkal Clusius életrajzához. 287p. 86 pl. fol. Budap., the Author, 1900.

ISVARADATTA Vidyālakāra. *Rāmānuja's commentary on the Bhagavadgītā [München] xxxi, 360p. 25cm. Muzaffarpur, K. Krishnaswamy & Isvaradatta, 1930.

ITABUNA, Bahia. Sociedade de Medicina e Cirurgia. Annaes. Itabuna, 1937—

ITALIA (L') e le questioni europee; considerazioni di un Italiano. 91p. 23½cm. Firenze, Civelli, 1869.

ITALIA medica.

See Attività medica italiana.

ITALIA (L') sanitaria. Roma, v.4-6, 1908-10; v.11-26, 1919-34.

Ceased publication.

ITALIAN Medical Society.

See Brooklyn, N. Y. Italian Medical Society.

ITALLIE, Leopold van, 1886—

[Prof. van Itallie, honorary member of the Society for the Promotion of Facultative Cremation] Ber. Vereen. lijkverbr. 1935, 60: 70-2, portr.

ITALY. Memoria del Governo Italiano circa la situazione in Etiopia. 2v. 4° [n. p.] 1936.

CONTENTS

v.1. Relazione. 105p. fold. map & chart at end.

v.2. Documenti. 306p.; 117p. illust. 20 plates.

— The same. Memorandum of the Italian government on the situation in Abyssinia. v.1, 111p. fold. map & chart. 4° [n. p., 1936]

[ITALY] **Accademia d'Italia.** Annuario, 1931-32. 453p. portr. 26cm. Roma, 1933.

[ITALY] **Associazione medica italiana.** 8. Congr. (1878) [Publication] 31p. 21½cm. Pisa, 1878.

— 11. Congr. (1885) Circolare-programma. 24p. 22cm. Perugia, Boncompagni, 1885.

See also **Associazione medica italiana.** 3p. 21½cm. Padova, 1873. Also **Barduzzi, D.** Associazione medica italiana; resoconto sommario dell'ottavo Congresso. 46p. 21½cm. Pisa, 1878.

[ITALY] **Associazione nazionale culturale fascista stomato-odontologica.** Roma. Publisher of *Stomatologia (La) italiana*.

[ITALY] **Associazione nazionale dei medici condotti.** 1. Congr. (1874) Atti. 143p. 8°. Forlì, Tipogr. Democratica, 1875.

In Ann. med. pubbl., Roma, 1875-77, 10: 11:

— 2. Congr. (1875) Atti. 116p. 8°. Roma, M. Armanni, 1876.

In Ann. med. pubbl., Roma, 1875-77, 10: 11:

— 5. Congr. (1878) Programma. 12 p. l. 21½cm. Pisa, Pati A. Ballori, 1878.

See also **Giacchi, O.** Sulla necessità di un'associazione nazionale di medici condotti. Atti Congr. naz. med. condotti (1874) 1875, 1. Congr., 80-7.

[ITALY] **Club Alpino Italiano; Sezione di Vicenza.** Anno 1876. 178p. 2 l. 18½cm. Vicenza, Paroni, 1877.

[ITALY] **Commissione per lo studio dei problemi dell'alimentazione.** Publisher of *Quaderni della nutrizione*. Bologna.

[ITALY] **Confederazione fascista dei professionisti e degli artisti. Sindacato nazionale fascista dei veterinari.** Annuario veterinario Italiano, 1934-35. 817p. illust. portr. 8°. Roma [Ed. Sallustiana, 1935]

[ITALY] **Confederazioni fasciste dei lavoratori.** Relazione sull'attività svolta nel 1937. 19p. 8°. Roma, Tipogr. Europa, 1938.

[ITALY] **Congresso Italiano di radiobiologia.** 4. Congr. [Traveling facilities] 71. 4°. [Torino, 1939]

[ITALY] **Congresso Italiano di radiologia medica** [1913-] Atti. [v. p.] 1.-10. Congr., 1913-32.

[ITALY] **Congresso nazionale di microbiologia.** 4. Congr. [1932] Atti. 409p. 8 pl. (2 col.) 24½cm. Milano, Industr. Graf. Ital. Stucchi, 1932.

[ITALY] **Congresso pediatrico Italiano.** 14. Congr.: Atti. 2v. 1032p. tab. 25cm. Fir., De Grandi & co., 1931.

[ITALY] **Consiglio nazionale delle ricerche.** Periodici Italiani scientifici tecnici e di cultura generale. 3. ed., edited by Giovanni Magrini. 479p. 8°. Roma, Tipogr. Terme, 1931.

— Istituti e laboratori scientifici italiani. 2. ed. 3v. 8°. Roma, Cons. Naz. Ricerche, 1931-32.

ITALY. Direzione generale della sanità pubblica. Notiziario dell'amministrazione sanitaria del regno. No. 1: Movimento demografico ed andamento delle malattie infettive e sociali in Italia. vii, 247p. map. 2 ch. 24cm. Roma, Ist. Poligr. Stato, 1938.

ITALY. Direzione generale della statistica. Risultati dell'inchiesta sulle condizioni igieniche e sanitarie nei comuni del Regno: Relazione generale. 234p. tab. 26cm. Roma, S. Michele di Reggioni & soci, 1886.

ITALY. Istituto centrale di statistica del Regno d'Italia. Movimento della popolazione e cause di morte. Roma, 1872-

— Annuario statistico italiano. Roma, 1881-

— Statistica delle cause di morte. Roma, 1881-

— Compendio statistico italiano. Roma, 1: 1927-

— Nomenclature nosologiche per la statistica delle cause di morte e dizionario delle malattie. 3. ed. ix, 272p. 8°. Roma, Ist. Poligr. Stato, 1930. ALSO 5. ed. 81p. 18cm. Roma, Tipogr. I. Failli, 1938.

See also under **Gini, C.** Tratto elementare di statistica. v.3, 464p. 24cm. Milano, 1934.

ITALY. Istituto nazionale fascista della previdenza Sociale.

See **Roma. Istituto Carlo Forlanini.** Annali.

ITALY. Ministero per l'assistenza militare e le pensioni di guerra.

See *Interallied Conference on the aftercare of disabled men.* Roma, 3. Conf., 1919.

ITALY. Ministero delle finanze. Pubblicazioni edite dallo stato o col suo concorso, 1861-1930. Roma, Libr. Stato, 1924-31.

CONTENTS

Catalogo generale, 1861-1923. Roma, 1924.

Supplemento, 1924-30. Roma, 1931.

Spoglio dei periodici e delle opere collettive, 1901-25. 3v. Roma, 1928.

[The same] 1926-30. 2v. Roma, 1931.

— La libreria dello stato; catalogo delle pubblicazioni e prontuario di legislazione. 486p. 8°. Roma, Ist. Poligr. Stato, 1932.

ITALY. Ministero della guerra. Norme per l'istituzione e l'esercizio delle infermerie di presidio in sostituzione dell'articolo 129 del regolamento d'istruzione e di servizio d'ospedale (atto no. 87 del 1883) 35p. 16°. Roma, C. Voghera, 1883.

— Istruzione per la concessione degli attendenti (12 marzo 1884) Allegato No. 8 al regolamento di disciplina militare. 15p. 16°. Roma, C. Voghera, 1884.

— Istruzione per il riparto delle compagnie, degli squadroni e delle batterie (2 marzo 1873) ed. 1885, Allegato No. 5 al regolamento di disciplina militare. 31p. 16°. Roma, C. Voghera, 1885.

— Testo unico delle leggi sul reclutamento del regio esercito, 6 agosto 1888. 60p. 8°. Roma, C. Voghera, 1888.

— Regolamento d'istruzione e di servizio interno per la cavalleria (1° ottobre 1892) 112p. 12°. Roma, E. Voghera, 1892.

— Regolamento d'istruzione e di servizio interno per la fanteria (3 maggio 1892) ix, 84p. 12°. Roma, E. Voghera, 1892.

— Raccolta delle disposizioni relative alle indennità eventuali per R. esercito e per gl'impiegati civili dipendenti dall'amministrazione della guerra. 107p. 8°. Roma, E. Voghera, 1895.

— Testo unico delle leggi sulle pensioni civili e militari e regolamento con prontuario di conti fatti per le pensioni militari (R. D. 21 febbraio 1895) 159p. 8°. Roma, E. Voghera, 1895.

— Legge e regolamento sull'avanzamento nel R. esercito. Allegato No. 13 al regolamento di disciplina militare. viii, 91p. 8°. Roma, E. Voghera, 1898.

— Regolamento di amministrazione e contabilità per i corpi del R. esercito, 10 giugno 1898. xxvii, 943p. 8°. Roma, E. Voghera, 1898.

— Istruzione per la compilazione delle note caratteristiche dei militari del R. esercito (18 agosto 1899) vi, 72p. 12°. Roma, E. Voghera, 1899.

— Istruzione pel matrimonio dei militari; legge 24 dicembre 1896 e regi decreti 4 aprile 1897 e 29 marzo 1891; Allegato No. 9 al regolamento di disciplina militare (4 febbraio 1899) 25p. 16°. Roma, E. Voghera, 1899.

— Istruzione complementare al regolamento sul reclutamento del R. esercito approvato con R. decreto 2 luglio 1890, No. 6952. xii, 306p. 8°. Roma, E. Voghera, 1901.

— Istruzione provvisoria per il servizio della leva all'Estero, 1° giugno 1901. 119p. 8°. Roma, E. Voghera, 1901.

— Regolamento riguardante l'eseguimento dei grandi trasporti militari (16 marzo 1902) 24p. 16°. Roma, E. Voghera, 1902.

— Norme per la gestione amministrativa, manutenzione e conservazione del materiale d'artiglieria da impiegarsi dai reggimenti d'artiglieria da costa e da fortezza per istruzione od altre esigenze; appendice alla istruzione sulla conservazione del materiale d'artiglieria. 28p. 8°. Roma, E. Voghera, 1903.

— Regolamento di disciplina militare (1° dicembre 1872) Testo corretto colle aggiunte, varianti e schiarimenti emanati dal Ministero della guerra a tutto giugno 1899. 249p. 16°. Roma, E. Voghera, 1903.

— Regolamento per le licenze nel R. esercito (7 settembre 1903) viii, 39p. 16°. Roma, E. Voghera, 1903.

— Annuario militare del regno d'Italia; anno 1904, 1925. Roma, 1904; 1925.

— Regolamento ed istruzione sul servizio del casermaggio militare ad economia. 285p. 8°. Roma, E. Voghera, 1904.

ITALY. Ministero della guerra. Direzione generale di sanità militare. Relazione medico-statistica sulle condizioni sanitarie del R. esercito. Roma (1876-) 1878-

— Manuale dei medicamenti per uso degli stabilimenti sanitari militari. v.1. ed. 1933. lxxv, 928p. 8°. Roma, Ist. Poligr. Stato, 1934.

— Manuale sanitario per la guerra chimica. 104p. 8°. Roma, Ist. Poligr. Stato, 1935.

— Relazione medico-statistica sulle condizioni sanitarie delle forze armate nelle colonie. Roma (1935/36-) 1939-

ITALY. Ministero dell'interno. Il regolamento 27 luglio No. 487. 175p. 8°. Roma, 1910.

ITALY. Ministero dell'interno. Direzione generale della sanità pubblica. Obbligatorietà della vaccinazione antitifica. 34p. 30cm. Roma, 1927.

ITALY. Ministero della marina. Album delle divise della Regia Marina. 116p. 2 l. 8°. Roma, A. Staderini [n. d.]

— Statistica sanitaria dell'armata. Roma, 1905/10-

ITALY. Ministero della marina. Direzione centrale di sanità. Annali di medicina navale [e coloniale] Roma, 1: 1895-

ITALY. Ministero della marina. Direzione centrale della sanità militare marittima. Istruzione d'igiene e profilassi per i militari della Regia marina. 92p. 8°. Roma, Ist. Poligr. Stato, 1936.

[ITALY] Società Italiana di dermatologia e sifilografia. Atti. 2v. illust. col. 25½cm. Bologna, L. Cappelli, 1938-39.

— Sezione Emiliana-Ramagnolia: Riunione. p.367-426. illust. 24½cm. Rocca S. Casciano, L. Cappelli, 1938.

See also Arch. ital. derm. sif., 1938, 14:

[ITALY] Società Italiana d'igiene. Intorno alla eziologia e alla profilassi del colera; relazioni,

discussioni e voti. 93p. 22½cm. Milano, G. Civelli, 1885.

— Disegno di legge per la tutela dell'igiene e della sanità pubblica approvato dal senato e dal discutersi dalla Camera dei deputati. 23p. 22½cm. Milano, G. Civelli, 1888.

— Giornale. Milano, 41, 1919-

— Convegno Lombardo di igiene rurale. 1. Conv.[1933] Atti. 298p. tab. map. 24½cm. Milano, 1934.

— Convegno Lombardo per la casa popolare nei suoi aspetti igienico-sociali. Pt 1: Protocollo e relazioni; pt 2: Mostra della casa popolare [illust. & maps] 212p. 85 l. 4°. Milano, 1936.

— Convegno Lombardo per l'alimentazione popolare: Atti. v. p. 26½cm. Milano, 1938.

[ITALY] Società Italiana di ostetricia e ginecologia. Atti. Roma, v.5-6, 1898-99; v.11-16, 1905-11; v.18, 1913; v.20-27, 1920-28.

ITALY [and Italians]

See also such names as **Army; Climate; Health organization; Hospital report**, etc.; also names of Italian colonies, cities and provinces as **Livorno; Roma; Sicily; Toscana; Venezia**, etc.

BARBIERI, G. Recoaro; sermone. 17p. 21cm. Padova, 1826.

CATULLO, C. V. Reclami ed osservazioni concernenti la geognosia delle Alpi venete. 21p. 21cm. Padova, 1842.

ITALIA (L') e le questioni europee; considerazioni di un Italiano. 91p. 23½cm. Fir., 1869.

LUZZATTI, L. Una gita al Montello; lettera al Deputato Sella. 8p. 23½cm. [n. p.] 1873[?]

ROMA. ISTITUTO COLONIALE FASCISTA. Annuario delle colonie Italiane (e dei paesi vicini) 1935. 987p. 16°. Roma, 1935.

SILLANI, T. L'Africa orientale Italiana (Eritrea e Somalia) 276p. 8°. Roma, 1933.

TRINKER, J. Misurazioni delle altezze nella Provincia di Belluno e nel territorio confinante la medesima; collezione ipsometrica destinata per maggior conoscenza delle Alpi venete. 86p. 21cm. Belluno, 1873.

McNaught, P. R. Notes on the geology of the quaternary deposits of the Pianura Padana, plain of the river Po, with the results of bacteriological and chemical examinations of some potable waters derived therefrom. J. R. Army M. Corps, 1941, 76: 34; 96.—**Rider, A. S.** White flies in Europe. J. Lancet, 1940, 60: 327.

— Archeology, and anthropology.

See also under names of parts of the body.

BISESTI, A. Cenni storici di Recoaro dai primi abitanti ai nostri giorni. 72 p. 15cm. Verona, 1873.

Acquarone, M. Anatomia esterna e dati statistici dell'arco di Langer su bambini e su giovani della popolazione senese. Arch. antrop. etnol., Fir., 1938, 68: 272-8.—**Armi di pietra.** Gior. farm. chim., Tor., 1864, 13: 222.—**Atzeni Tedesco, P.** L'uomo medico cagliaritano metricamente determinato sopra 300 individui. Endocr. pat. cost., Bologna, 1931, n. ser., 6: 295-313, ch.—**Blanc, A. C.** Testimonianze paleontologiche e biogeografiche sulla via percorsa dai grimaldiani nella loro immigrazione in Europa ed in Italia. Arch. antrop. etnol., Fir., 1938, 68: 17-28.—**Boldrini, M.** The unification of the anthropological type of Italians and its eugenical effects. Sc. Papers Internat. Congr. Eugen. (1932) 1934, 3. Congr., 50.—**Calzoni, U.** Scoperte preistoriche nelle Tane del Diavolo presso Parrano (Orvieto) Arch. antrop. etnol., Fir., 1933, 63: 267-74.—**Crimi, A.** Formazione a caratteri biologici fondamentali della razza italiana. Gior. ital. mal. esot., 1939, 12: 88-95.—**D'Ancona, U.** Principali risultati di una inchiesta antropometrica e costituzionalistica compiuta sulle famiglie numerose di alcuni comuni delle provincie di Siena e Grosseto. Atti Accad. fisiocr. Siena, 1931, 10. ser., 6: 631-58.—**Minucci Del Rosso, L.** Inchiesta antropometrica e costituzionalistica su 214 genitori di famiglie numerose fiorentine. Genesis, Roma, 1932, 12: 28.—**Padoan, D.** Misure antropometriche del lattante normale padovano nei primi 3 mesi di vita. Med. ital., 1935, 16: 692-704.—**Palma di Cesnola, A.** Nuova statuina paleolitica rinvenuta in Italia. Arch. antrop. etnol., Fir., 1938,

68: 293-7.—**Piccoli, G.** Caratteri antropometrici del militare italiano dell'età di 21 anni (tipo medio). *Gior. med. mil.*, 1935, 83: 316-46.—**Pratesi, F., & Chiara, G.** Contributo allo studio della morfologia esterna degli Italiani; la costituzione morfologica nelle varie regioni. *Arch. antrop. etiol.*, Fir., 1938, 68: 286-92.—**Scalori, G.** La costituzione morfologica degli avanguardisti Toscani di 18 anni; considerazioni sulla valutazione dei dati antropometrici. *Endocr. pat. cost.*, Bologna, 1933, n. ser., 8: 251-79, ch.—**Vainicher, G. E.** Il mistero di Milazzo. *Riv. ital. stomat.*, 1932, 1: 966-78.—**Zisa, S.** L'uomo medio emiliano metricamente determinato sopra 300 individui. *Monit. zool. ital.*, 1929, 40: 472-6. — Le dimensioni dell'uomo medio adulto emiliano. *Endocr. pat. cost.*, Bologna, 1930, n. ser., 5: 31-69, ch.

— Culture, and science.

CASANOVA, F., & co. The latest modern Italian-English and English-Italian dictionary. 755p. 16½cm. Tor., 1939.

CERRETO, A. Annuario degli insigniti di onorificenze cavalleresche del regno d'Italia di ordini equestri pontifici magistrali ed esteri; anno 1934-35. 1074p. fol. Milano [1935]

GOETHE, W. v. Italienische Reise; testo tedesco e traduzione interlineare italiana [by J. Schwarz] 6. ed. 159p. 12° Tor. [1924]

— The same. Viaggio in Italia. 1. Pt. Karlsbad-Ferrara. 96p. 16° Tor., 1924.

HOARE, A. An Italian dictionary. 2. ed. 906p. 4° Cambr., Engl., 1925.

MARCHESE, E. La proprietà del suolo nel regno di buon senso. 20p. 21cm. Genova, 1869.

SAVINI NICCI, O. Le spedalità romane; legislazione, giurisprudenza, pratica. 446p. 25cm. Roma, 1936.

Almeida, F. de. Relatório de uma pensão de estudo na Italia. *Arq. anat.*, Lisb., 1937, 18: 561-71.—**Benigni, U.** Roman academies. *Cath. Encycl.*, N. Y., 1913, 1: 83-9.—**Bèttica-Giovannini, R.** Vecchi appunti sulla morte di Cavour e su quella di Vittorio Emanuele II. *Minerva med.*, Tor., 1941, 32: varia, pt 1, 440-4.—**Bilancioni, G.** Alessandro Volta e Antonio Scarpa. *Arch. stor. sc.*, 1927, 8: 351-63.—**Buffarini, G.** Lo spirito di concorde opera disciplina del popolo italiano. *Gior. ital. mal. esot.*, 1939, 12: No. 6-7, 3.—**Colonie (Le)** estive della Federazione Fascista nell'anno XIV. *Rasse. (Rass.)*, 1936, 5: 121-4.—**Difesa** del prestigio di razza. *Rasse. internaz. clin. ter.*, 1939, 20: 905.—**Laignel-Lavastine.** Note médicale sur l'exposition du livre italien à Paris (mai-juin 1926). *Bull. Soc. fr. hist. méd.*, 1926, 20: 331-8.—**Rossi, M. A.** How fascista Italy educates her youth; a study of Italian thought on the education of Italians. *Abstr. Diss. Stanford Univ.* (1940-41) 1941, 16: 50-2.—**Schuer, C.** La pensée italienne contemporaine; l'idéalisme de Benedetto Croce et de Giovanni Gentile. *Rev. philos. France*, 1924, 97: 351; 98: 82.

— Demography.

See also subheading Statistics.

Castronuovo, G. Per l'incremento demografico e la tutela della stirpe nell'impero fascista. *Gior. ital. mal. esot.*, 1937, 10: 17-9.—**Giusti, U.** La composizione per sesso ed età della popolazione italiana prima e dopo la guerra. *Difesa sociale*, 1927, 6: 7. — Note di demografia italiana. *Ibid.*, 1936, 15: 3-8. — Certains aspects démographiques en Italie, avec quelques comparaisons internationales et particulièrement en ce qui concerne les caractéristiques sociales de la population. *Bull. Inst. internat. statist.*, La Haye, 1938, 28: 1. livr., 78. — La crisi demografica della montagna secondo una recente inchiesta italiana. *Congr. internat. popul.* (1937) 1938, 1. Congr., 4: 119-25.—**Ichoc, G.** L'évolution démographique de l'Italie. *Paris méd.*, 1935, 96: annexe, 541-3.—**Niceforo, A.** Qualche cifra sull'aumento della popolazione in Italia. *Difesa sociale*, 1928, 7: 1-8.—**Rolando, G. L.** The demographical expansion of Italy. *Mil. Surgeon*, 1930, 67: 151-5.—**Sangiorgi, G.** Il movimento demografico di Catania negli ultimi 50 anni. *Rasse. stud. sess.*, 1930, 10: 63-74.—**Schioppa, L.** Note demografiche riguardanti la città di Como. *Igiene mod.*, 1934, 27: 459-71.—**Thompson, R. S.** Population growth and international politics; Italy. In *his Popul. Probl.*, N. Y., 1942, 273-5. — National population policies; Italy. *Ibid.*, 415-8.

— Hygiene, and sanitation.

BALESTRA, P. L'igiene nella campagna e città di Roma. 206p. 18cm. Roma, 1875.

BEROALDI, P. Progetto di unificazione del regime sanitario nei comuni foresti del Regno d'Italia. 30p. 21½cm. Vicenza, 1870.

ITALY. DIREZIONE GENERALE DELLA STATISTICA. Risultati dell'inchiesta sulle condizioni

igieniche e sanitarie nei comuni del Regno: Relazione generale. 234p. 26cm. Roma, 1886.

MANTEGAZZA, P. Una questione d'igiene; alla camera dei deputati. 11p. 23½cm. [n. p.] 1870.

ROMANIN-JACUR, L. Rapporto sulle condizioni igienico-economiche del Distretto di Piove. 42p. 21cm. Padova, 1874.

Albera, C. Contributi al clima dell'Italia centrale. *C. rend. Congr. internat. hydr. clim. géol. thér.* (1905) 1906, 7. Congr., 787-98.—**Allaria, G. B.** Questioni coloniali. *Pediat. med. prat.*, Tor., 1938, 13: 63-90.—**Bruni, A.** Gli aspetti igienici e sociali della redenzione del latifondo siciliano con particolare riguardo alla casa colonica. *Difesa sociale*, 1941, 20: 95-128.—**Celebrazione (La)** in Campidoglio; presente il Re Imperatore. *Riv. Soc. ital. igiene*, 1940, 62: 65.—**Chiodi, V.** Alcuni rilievi ed osservazioni sulle condizioni igieniche della popolazione rurale in provincia di Firenze. *Med. ital.*, 1936, 17: 255-79.—**Cicchitto, E.** Problemi sanitari dell'Impero: i medici. *Ann. igiene*, 1939, 49: 167-75.—**Concorsi a condotte sanitarie.** *Minerva med.*, Tor., 1941, 32: varia, pt 1, 294.—**Condizioni (Le)** igienico-sanitarie dell'Italia. *Studium*, Nap., 1933, 23: 259-65.—**Condizioni (Le)** igienico-sanitarie in Italia e all'estero. *Ibid.*, 1934, 24: 147-54.—**Croveri, P.** Medicina coloniale e nosografia coloniale italiana. *Arch. ital. sc. med. col.*, 1934, 15: 723; 834.—**Dalri, E.** Nosografia e demografismo fra i coloni indigeni del comprensorio di Genale. *Ibid.*, 45-54.—**Deganello, U.** Le condizioni igienico-sanitarie dell'Italia durante la guerra (1915-18) in confronto coi periodi ante- e post-bellico. *Ann. igiene*, 1926, 36: 197-225.—**De Giorgi, M., & Cavazzi, G.** Forne morbore riscontrate in operai rimpatriati dall'A. Arch. ital. sc. med. col., 1936, 17: 342-51.—**Grifa** sanitarie del passato. *Minerva med.*, Tor., 1940, 31: pt 1, varia, 20-4.—**Guiterrez, A.** La più bella battaglia. *Italia san.*, 1910, 6: 145.—**Ivvento, A.** Indici di sanità nel popolo italiano. *Difesa sociale*, 1930, 9: 389-94.—**Koester, F.** Die Pontinischen Sümpfe; aus dem Reisebericht eines deutschen Arztes vor 150 Jahren. *Med. Welt*, 1933, 7: 578.—**Medulla, C.** Nosografia della cirenica nell'anno XIV dell'E. F. *Arch. ital. sc. med. col.*, 1936, 17: 641-59.—**Mosso.** Richtlinien für Krankenhausbau in Italien. *Med. Klin.*, Berl., 1940, 36: 90. — Neues aus der Gesundheitsführung in Italien. *Ibid.*, 761.—**Pini.** Diffide, scioperi e boicottaggi sanitari in Italia. *Italia san.*, 1910, 6: 310-2.—**Sangiorgi, G.** Vittoria dell'igiene nella vittoria imperiale. *Difesa sociale*, 1936, 15: 501-7.—**Testi, F.** Cose viste e cose raccolte in Cirenaica dall'anno 1913 all'anno 1916. *Arch. ital. sc. med. col.*, 1935, 16: 97-103.—**Teti, M.** Le condizioni alimentari e igieniche dei rurali nelle zone collinose della Calabria. *Fol. med.*, Nap., 1935, 21: 505-702.—**Trikurakis, G. A.** Le condizioni igienico-sanitarie della Valle d'Aosta (con particolare riguardo al Consorzio Medico di Gignod) *Osp. maggiore*, Milano, 1936, 24: 128; 225; 272.

— Medical history.

[BOLOGNA] Bando e provvisione sopra gli abusi introdotti in Bologna, intorno alla professione della medicina. Broadside. Bologna, 1649.

CASTIGLIONI, A. Italian medicine; translated by E. B. Krumbhaar. 134p. 16° N. Y., 1932.

— The renaissance of medicine in Italy. 91p. 8° Balt., 1934.

CORRADI, A. Esporre ed apprezzare la parte che spetta agli Italiani nell'avanzamento della scienza ed arte chirurgica, dal principio del secolo XIX fino al presente. 8p. 21½cm. [Bologna, 1870]

— Della chirurgia in Italia dagli ultimi anni del secolo scorso fino al presente; commentario, in risposta al programma di concorso della Società medico-chirurgica di Bologna, e dalla medesima premiato nella seduta del 20 febbraio 1870; introduzione. 26p. 21½cm. Padova, 1870.

FERRANNINI, A. Medicina Italica; priorità di fatti e di direttive. 174p. 8° Milano, [1933?]

GELLIUS, A. The Attic nights of Aulus Gellius; with an English translation by John C. Rolfe. 3v. 16° Lond., 1928.

Armieux. Rome médicale. *J. méd.* Toulouse, 1862, 4. ser., 1: 252-60.—**Beltran, J. R.** La historia de la medicina en Italia. *Prensa méd. argent.*, 1939, 26: pt 2, 1476.—**Benassi, E.** Carteggi inediti fra il Lancisi, il Paclionini ed il Morgagni. *Riv. stor. sc. med.*, 1932, 23: 145.—**Bettica, R.** Un medico torinese presso una culla dei Savoia e gli albori della pediatria. *Clin. pediat.*, Mod., 1937, 19: 568-74.—**Bobbio, L.** Discorso inaugurale. *Gior. Accad. med. Torino*, 1938, 101: pt 2, 1-17.—**Brunn, W. von.** Vom Aufstieg der italienischen Chirurgie im

Mittelalter. Ber. Phys. med. Ges. Würzburg (1937) 1938, n. F., 61: 43-50.—**Burckhardt, J.** La cultura del Rinascimento in Italia [Book review by Aldo Mieli]. Archeion, Santa Fé, 1942, 24: 457-9.—**Canova, F.** Medici Italiani in Transgiordania. Riforma med., 1937, 53: 541.—**Capasso, P.** La storia della medicina in Italia. Alceone, N. Y., 1940, 2: No. 1, 2-4.—**Capparoni, P.** I grandi maestri e lo sviluppo studi medici nell'Ateneo bolognese fino al sec. XIX. Rass. clin. ter. [Boll. Ist. stor. ital. san.] 1933, 32: 103-10.—**Castaldi, L.** Una centuria di rivendicazioni di priorità ad italiani in contributi scientifici nella medicina e chirurgia. Riforma med., 1929, 45: 487-98. — Discorso per la traslazione delle salme di Filippo Civini, Filippo Pacini e Atto Tigri nella chiesa di S. Maria delle Grazie presso lo spedale del Ceppo in Pistoia. Riv. stor. sc. med., 1935, 26: 289-308.—**Castiglioni, A.** L'origine di storia del pensiero medico mediterraneo. Rass. clin. sc., 1936, 14: 381-9. — La chirurgia romana all'epoca di Augusto. Arch. ital. chir., 1938, 51: 164-9. — La medicina romana ai tempi di Augusto. Minerva med., Tor., 1938, 29: pt 2, 269-75.—**Celli-Fraentzel, A.** L'Imperatore Traiano (98-117) ed il risanamento dell'Urbe. Riv. stor. sc. med., 1937, 28: 233-43.—**Dalmases, V.** Medicina in la antigüedad; Roma. Dfa méd., B. Air., 1938, 10: 153.—**De Renzi, S.** Della medicina italiana dal risorgimento delle lettere fino a' nostri. Filatteri sebezio, Nap., 1838, 16: 145; 1839, 17: 209; 1839, 18: 219; 283; 1840, 19: 3; 83.—**Dernehl, P. H.** Medical notes on the Divine Comedy of Dante Alighieri. Johns Hopkins Hosp. Bull., 1911, 22: 333-44.—**Diamare, V.** Documenti cassinesi di medici del XVII e XVIII secolo. Riv. stor. sc. med., 1932, 23: 49; 97.—**Einaudi, C.** I medici dei Promessi Sposi. Igiene e vita, 1927, 10: 19-22, 3 portr.—**Favaro, G.** Prossimi centenari di tre grandi anatomici italiani. Monit. zool. ital., 1931, 42: Suppl., 79-81.—**Fedeli, C.** I chirurghi precisi e norcini nell'Arcispedale di S. Maria Nova ed in quello di Pisa. Umbria med., 1921, 2: 130-6; 1933, 13: 2418-24.—**Ferrannini, A.** Italia e Roma negli inizi della scienza medica. Igiene e vita, 1935, 18: 341-3.—**Fosseyeux, M.** Les traductions françaises de traités d'hygiène italiens au XVI^e siècle. Bull. Soc. fr. hist. méd., 1931, 25: 489-506.—**Friedenwald, H.** Evidences of tolerance in XVI century Italy. Bull. Inst. Hist. M., 1938, 6: 188-93.—**Gasbarrini, A.** Le tradizioni delle scuole mediche di Bologna e di Padova; metodi e problemi dell'insegnamento clinico. Policlinico, 1940, 47: sez. prat., 3-14.—**Gask, G. E.** Early medical schools; the school of medicine in Rome. Ann. M. Hist., 1941, 3, ser., 3: 524-9.—**Giordano, D.** Grandi chirurghi italiani dell'ultimo secolo. Boll. Ist. stor. ital. arte san., 1928, 8: 205-26, 19 portr. — Sguardo alla chirurgia italiana dalla Roma dei Littori a quella del Tatloio. Ann. ital. chir., 1929, 8: 613-47.—**Giozzi, M.** Livello di cronologia scientifica italiana dal 1501 al 1600, con aggiunte di Aldo Mieli. Archeion, Santa Fé, 1942, 24: 23-81.—**Hagedorn, D.** Die Heilkunde, insbesondere die Chirurgie im alten Rom. Deut. Zschr. Chir., 1929, 215: 1-13.—**Kaufmann, M.** Mussolini und die italienischen Aerzte. Physiatrie, Berl., 1933, 4: 161-4.—**Körbler, J.** Collegium Ilyricum a Bologna. Congr. internat. hist. méd., Bucur., 1932, 63.—**Levi, M. C.** The Italian Renaissance and the Renaissance in medicine. Phi Delta Epsilon News, 1934, 25: 84-8.—**Lugaresi, R.** Rimembranze degli argomenti trattati dalla Sezione medico-chirurgica del VII. Congresso scientifico italiano riunito in Napoli nel settembre 1845. Gior. progr. pat., Venez., 1846, ser. 2, 10: 306; 736.—**Martinotti, G.** Il testamento di Jacopo Barigazzi, o Berengario da Carpi, lettore di chirurgia nello studio di Bologna. Riv. stor. sc. med., 1923, 14: 65-73.—**Medici e mercuri.** Minerva med., Tor., 1940, 31: pt 2, varia, 526-8.—**Meinecke, B.** The medical conceptions of a Roman layman. Bull. Hist. M., 1941, 9: 224-6.—**Moretti, M.** La medicina nella mostra augustea della romanità. Rass. clin. ter., 1938, 37: Suppl., 242-7.—**Nardi-Batassi, D.** Rivendicazioni dei contributi scientifici originali italiani in medicina e chirurgia. Med. ital., 1929, 10: 125.—**Numero e privilegi dei medici nel passato.** Minerva med., Tor., 1940, 31: pt 2, varia, 504.—**O. A.** Commemorazione all'alpe della grotta a Stazzema. Boll. mal. orecchio, 1938, 56: 467, portr.—**Pacchiotti, G.** Dell'avvenire della medicina in Italia. Ann. med. pubb., Roma, 1875, 10: 178-82.—**Pascale, G.** La chirurgia moderna e la Scuola Napolitana: Palasciano; Gallozzi; D'Antona. Ann. ital. chir., 1927, 6: 1-63, 4 portr.—**Pazzini, A.** La storia della medicina in Italia nell'ultimo cinquantennio. Riv. stor. sc. med., 1938, 29: 79; 218; 274; 1939, 30: 26.—**Piccinini, P.** Medicina coloniale di Roma antica e moderna. Med. ital., 1936, 17: 426-36.—**Pisani, A.** Storia della medicina; primato Italiano nella Medicina del Secolo XIV; il ritorno alla cultura Greco-Romana. Gior. Soc. ital. igiene, 1931, 53: 100-7.—**Profili di chirurghi militari italiani** (dalle campagne napoleoniche alla grande guerra mondiale) Gior. med. mil., 1931, 79: 2-31.—**Pulieri, C.** Les premières réalisations médicales depuis la proclamation de l'empire. Bruxelles méd., 1936-37, 17: 1673-3.—**Ronchi, S. M.** Discorso di apertura della Clinica medica. Filatteri sebezio, Nap., 1838, 15: 3-6.—**Rossi, E.** Per la più recente storia della medicina italiana. Ann. neur., Nap., 1932, 45: 92-103.—**Schäfer, K. H.** Neue Beiträge zur Geschichte der Medizin im 14. Jahrhundert; eine römische Chirurgie-Rechnung vom Jahre 1369. Sudhoffs Arch., 1938, 31: 76-80.—**Schweissheimer, W.** The physician in ancient Rome. Med. Rec., N. Y., 1940, 151: 241-3.—**Sudhoff, K.** Ein Arztvertrag aus dem Jahre 1316 im Staatsarchiv zu Bologna. Arch. Gesch. Med., 1911, 5: 399. — Glorie della medicina italiana nel medioevo. Riv. stor. sc. med.,

1931, 22: 1-7.—**Tridente, M.** A proposito di un esame di medicina sostenuto in Molletta; da un documento inedito del 1490. Gazz. internaz. med. chir., 1940, 49: No. 6, 18-26.—**Valenti, A.** La medicina in Roma. Biol. med., Milano, 1936, 12: 31-12.

Medicine.

CAPORALETTI, M., CIOLI, R. [et al.] Medicina dell'era fascista. 326p. 8°. Bergamo, 1936.

MARCHIONNESCHI, O. Breve casistica della condotta medico-chirurgica di Sarteano. 19p. 22cm. Tor., 1878.

VICENZA, ITALY. Statistica sanitaria per l'anno 1876; Marchetti Dr Domenico, medico municipale. 16p. 21½cm. Vicenza, 1878.

Agucchi, A. Rendiconto clinico operativo su quattordici mesi di reggenza del reparto, Nov. 1938-Gennaio 1940. Gior. venet. sc. med., 1940, 14: 210-31.—**Alzona, V. C.** Ancora per le Mutue. Minerva med., Tor., 1940, 31: pt 2, varia, 494-500.—**Barth, E.** Die berufständische Organisation der Aerzteschaft in Italien. Deut. med. Wschr., 1933, 59: 1173.—**Bernard, L.** Ce que la médecine doit à l'Italie. Gaz. hóp., 1933, 106: 251-8.—**Brandenburg, K.** Aus italienischen Kliniken. Med. Klin., Berl., 1940, 36: 121.—**Bufalini, B.** Prospetto delle malattie curate in Cortona, 1838-41. Ann. med. chir., Roma, 1841-42, 6: 8; 66; 137; passim.—**Carbonetti, A.** La giornata di lavoro del medico condotto. Italia san., 1908, 4: 20 2.—**Caso (Il) di Sambuca Pistoiese.** Ibid., 157.—**Cr. Tagesnachrichten aus Italien.** Med. Klin., Berl., 1940, 36: 285.—**Cranwell, D. J.** Ascoli, Alessandrini y Pittaluga. In his Paginas disp., B. Air., 1941, 257-9.—**Datner, H.** [Impressions from hospitals and clinics in Italy] Warsz. czas. lek., 1939, 16: 176; 196; 214.—**Deliberazioni (Le) del Congresso dei M. e. Sardi a Nuoro; ragioni occulte e palesi delle selvagerie contro il caso Germini.** Italia san., 1908, 4: 199-201.—**De Renzi, S.** Statistica dell'Ospedale di Santa Maria di Loreto dal 1. gennaio a tutto dicembre 1839. Filatteri sebezio, Nap., 1840, 19: 73-6.—**Ferrannini, L.** Lezione di chiusura dell'anno 1937-38, 14 giugno, 1938. Fol. med., Nap., 1938, 24: 927-42.—**Ferrari, F.** Ufficio dell'opera medica; ufficio di collocamento. Italia san., 1909, 5: 93. — Dobbiamo ancora parlare dell'avvocazione? il valore del tempo. Ibid., 121. — I mali della medicina; il filantropismo; il ciarlatanismo; l'incoordinazione degli sforzi; l'assenteismo politico. Ibid., 237; 254; 277; 297. — Il meraviglioso Congresso degli ordini; Roma, 31 ottobre. Ibid., 316-8. — Brief aus Italien. Deut. med. Wschr., 1935, 61: 1327-30; 1937, 63: 146-8; 1940, 66: 183-5. — Neubildungen. Med. Klin., Berl., 1940, 36: 928-30.—**Finkenrath, K.** Der Arzt im faschistischen Staat. Med. Welt, 1933, 7: 712.—**Greci, T., & Pazzagli, R.** L'attività della clinica chirurgica di Firenze sotto la direzione di Enrico Burei. Scritti in onore di E. Burei, Nap., 1930, 881-937.—**Guardando una rosa rossa.** Italia san., 1908, 4: 17.—**Inaugurazione del Corso dei Medici Condotti a Bologna.** Ibid., 103.—**Intorno al concorso a due posti di medico condotto a Mantova.** Ibid., 133.—**Maglie (Le) della legge.** Ibid., 29.—**Markowski, B.** [Impressions from a student trip to Italy and Morocco] Lek. wojsk., 1938, 31: 90-102.—**Mattioli-Bertacchini, A.** A proposito dei Medici di riparto. Italia san., 1908, 4: 77.—**Maubandy.** Rapport médical de fin de campagne en A. O. F. Arch. méd. pharm. nav., 1936, 126: 605-21.—**Memorie chirurgiche di Gennaro Galbati;** Napoli, 1835. Filatteri sebezio, Nap., 1836, 11: 291; 1836, 12: 54; passim.—**Moore, C. U.** Medical surprises in Italy. N. York M. J., 1919, 110: 314-6.—**Mosso.** Brief aus Italien. Med. Klin., Berl., 1940, 36: 1443-5.—**Namias.** Della medicina contemporanea; man festo di associazione; condizioni dell'associazione. Gior. progr. pat., Venez., 1838, 8: 508-11. — Considerazioni sulle statistiche mediche del cav. professore Maurizio Bufalini. Ibid., 1840, 14: 309-27.—**Pende, N.** Il genio medico latino nel pensiero medico contemporaneo. Riforma med., 1934, 50: 1599-601. — La mentalità mediterranea nella nuova medicina dell'Italia imperiale. Policlinico, 1936, 43: sez. prat., 2003-6. — Medicina italiana correlazionistica ed unitaria. Riforma med., 1936, 52: 3-6.—**Petrus.** Il minimum d'ideale dei medici condotti. Italia san., 1910, 6: 395.—**Piccinini, P.** La vita del medico condotto in un libro del Prof. G. B. Ughetti. Ibid., 1909, 5: 208.—**Pirri.** Liquidazione; sempre a proposito del Bollettino; al Dottor Arsuffi. Ibid., 1908, 4: 102.—**Ronzani, E.** Il servizio Medico negli ospedali Italiani. Nosokomeion, Stuttg., 1931, 2: 60-85.—**Sergent, E.** L'amitié médicale Franco-Italienne. Presse méd., 1936, 44: 293.—**Società mutua in Piemonte per soccorsi ai dottori di medicina o di chirurgia;** approvata con R. patenti del 27 agosto 1839. Gazz. toscana sc. med. fis., 1850, 8: 138.—**Spada, G.** Quadro statistico delle inferme della 1. sala a dritta nello Spedale di S. M. di Loreto, dal 1. ottobre 1840 sino a tutto dicembre. Filatteri sebezio, Nap., 1841, 21: 160-5.—**Taddia, L.** Relazione sull'attività del laboratorio ricerche cliniche dal 1. luglio al 31 dicembre 1936. Gior. med. mil., 1938, 86: 521-7.—**Trassunto dei processi verbali di tutte le adunanze della sezione medica durante la riunione de' Scienziati italiani in Pisa.** Gior. progr. pat., Venez., 1839, 11: 373-88.—**Varvelli, R.** Considerazioni sull'azione politica dei Medici condotti. Italia san., 1908, 4: 145.

Statistics.

See also such headings as **Birth rate; Infant mortality**, etc.

ANNUARIO SANITARIO ITALIANO. 2v. 8°. [Tor. 1932-36]

BALESTRI, E. Indice sanitario d'Italia, 1931, anno IX. 588p. 4°. [Milano, 1931]

ITALY. DIREZIONE GENERALE DELLA SANITÀ PUBBLICA. Malattie infettive e diffusive dall'anno 1905 al 1908. 157p. 4°. Roma, 1910.

— Notiziario dell'amministrazione sanitaria del regno. No. 1: Movimento demografico ed andamento delle malattie infettive e sociali in Italia. 247p. 24cm. Roma, 1938.

ITALY. ISTITUTO CENTRALE DI STATISTICA DEL REGNO D'ITALIA. Annuario statistico italiano. Roma, 1881-

— Compendio statistico italiano. Roma, v. I, 1927-

Appunti sulle principali malattie non cosmopolite dell'Impero. Gazz. med. ital., 1939, 98: 31-5.—Baccarani, C. Rendiconto clinico-statistico dell'anno 1936-37. Otorinol. ital., 1938, 8: 171-93.—Badile, P. L. Relazione sessennale. Gior. venet. sc. med., 1939, 13: 241; 321.—Buffini, A. Di topografia statistico-medica della provincia di Brescia. Gior. progr. pat., Venez., 1838, 8: 93-109.—Casu, A. Contributo allo studio nosografico dell'Impero; le cause di morte tra gli operai in A. O. I. Ann. igiene, 1939, 49: 97-104.—De Rensis, F. Risultamento delle stufe di vinaccia nello Spedale di Torre del Greco nell'autunno 1835. Ann. clin. Osp. incurab., Nap., 1835, 1: 303-6.—Di Verce, E. F. La morbosità in Italia. Arch. sc. osp., Bergamo, 1912-13, 2: 166; 1913-14, 3: 7.—Fazio, E. Sulla importanza di una statistica medica italiana. Ann. med. pubb., Roma, 1875, 10: 141-50. — Difficoltà e provvedimenti per conseguire una statistica medica e sanitaria nel regno. Ibid., 151-60.—Ferraro, D. Lo stato della salute pubblica in Italia; dati del 1937-38. Riv. med. social. tuberc., 1939, 16: 81-5.—Gambari, G. Sulle costituzioni morbose osservate negli anni 1843-45, nella città di Ferrara. Gior. progr. pat., Venez., 1847, ser. 2, 12: 437-81.—Giuffrida, G. Statistica demografico-sanitaria e servizi di igiene e sanità per gli anni 1933-35. Osp. maggiore Novara, 1936, 13: 259-98.—Janssens. Sulle statistiche della mortalità e sulle pubblicazioni periodiche circa il movimento della popolazione. Ann. med. pubb., 1877, 11: 3-15.—Ichok, G. La mortalità e la natalità in Italia. Bull. Acad. méd., Par., 1935, 3. ser., 114: 440-7. — Le développement de la mortalité et de la natalité en Italie. Rev. hyg., Par., 1936, 58: 619-30.—[Italy] Mouvement de la population (mariages, naissances, décès en général et de 0 à 1 an) taux de nuptialité, de natalité, de mortalité générale, de mortalité infantile et réparation des décès par groupes d'âge (années 1922 à 1931). Bull. Off. internat. hyg. pub., Par., 1934, 26: 1798. — Population, mouvement naturel (mariages, naissances vivantes, décès, excédents) mortalité et mortalité infantile (années ou périodes 1871 à 1937) Ibid., 1937, 29: 2577.—Mortality in Italy. J. Am. M. Ass., 1937, 109: 2153.—Prospetto statistico degli infermi da aprile a dicembre 1830. Filarete sebezio, Nap., 1831, 3: 164-7.—Statistica della popolazione del Regno di Napoli al 1. gennaio 1835. Ibid., 1836, 11: 127.—Tassinari, V. Ricerche circa gli eventuali rapporti fra il quoziente di mortalità e quello della popolazione sparsa nei vari comuni del regno. Gior. Soc. ital. igiene, 1910, 32: 521.—Tizzano, A. L'interpretazione delle statistiche demografiche. Igiene mod., 1939, 32: 80-91.—Zambonini, A. La nati- e la neonati-mortalità; rilievi clinici e statistici. Bull. sc. med., Bologna, 1940, 112: 212-29.

ITANI, A. F. *Mobilité et cils des bacilles butyriques. 16p. 22½cm. Lausanne, C. Risold, 1939.

ITANO, Arao, 1888-

For portrait see Collection in Library.

ITAPEMA Alves, Virgilio. *Da terceira bulha cardiaca. 152p. 8°. São Paulo, E. Cupalo, 1930.

ITARD, Jean Marc Gaspard, 1775-1838. The wild boy of Aveyron. Trans. by George & Muriel Humphrey. xxiv, 104p. portr. 8°. N. Y., Century co. [1932]

Astruc, P. J. E. M. Itard. Progr. méd., Par., 1936, Suppl., 6, portr.—Célébration, à Luchon, du premier centenaire du docteur Itard. Gaz. hôp., 1938, 111: 782.—Groff, M. L. Jean Marc Gaspard Itard. Psychol. Clin., Lane., 1932, 20: 246-56.—Hunsicker, H. H. [Biography] Med. Rec., N. Y., 1934, 140: 682-4.—Molinéry, R. Le centenaire d'Itard. Presse therm. clim., 1938, 79: 426-9.

— THILLAYE, & BRICHETEAU [Isadore] Rapport sur le traitement des déviations de

l'épine, par la méthode de M. le Docteur Pravaz. 11p. 23cm. [Par., 1828]

ITCH.

See **Pruritus**.

ITEBA, Mohamed Abel el Muttalib, 1912-

*Sclérose latérale amyotrophique à début bulbaire brusque. 95p. 25cm. Lyon, Janody, 1939.

ITO, Seizo. Hacia una mejor explotación agropecuaria de los campos argentinos. 22p. 23cm. B. Air., Univ. Buenos Aires, 1939.

ITOIZ, Oscar Anibal [M. D., B. Air. 1931]

*La osificación en los tumores. 33p. 5 pl. 23cm. B. Air., E. Spinelli, 1931.

— Equinococosis primitiva experimental; expresiones anatómicas de inmunidad y alergia en la hidatidosis. 65p. illust. 26cm. B. Air., S. De Amorrtu e hijos, 1941.

ITTERSHAGEN, Ernst Waldemar, 1908-

*Ueber die operative Behandlung von Amputationsneuromen. 12p. 8°. Würzb., G. Grasser, 1934.

ITURBE, Juan, & GONZALEZ, Eudoro. Contribución del Laboratorio Iturbe en el 3. Congreso venezolano de medicina. 35p. pl. 8°. Caracas, Tip. Cultura Venezolana, 1921.

ITURRA Moreira, Waldo [M. D., Chile 1929] *Contribución al estudio de las formas psiquiátricas y neurovegetativas de la encefalitis epidémica [Chile] 74p. 8°. Santiago [n. p.] 1929.

ITZEN, Sibrand, 1912- *Ueber die Ursachen des Ikterus. 16p. 21cm. Gött., F. Pieper, 1937.

ITZKOVICH, Isaak, 1890- *Fertilität nach beckenenerweiternden Operationen und Kaiserschnitt. 14p. 8°. Münch., R. Müller & Steinicke, 1913.

IUSEM, Rosa [D. D. S., B. Air. 1938] *Consideraciones sobre el estado actual de la paratosis [Dent.] 135p. illust. tab. 27½cm. B. Air., S. de Amorrtu e hijos, 1938.

IVA.

Smith, W. A., Prince, H. E., & Cole, M. L. Contact dermatitis from the narrow leaf marsh elder, *Iva angustifolia*; observations on the dermatitis-producing factor. J. Allergy, 1941-42, 13: 371-9.

IVAN IV, the Terrible, 1530-84.

Influenza (La) della sifilide di Ivan il Terribile nella storia. Minerva med., Tor., 1941, 32: varia, pt 1, 164-6.

IVAN VI, 1740-64.

Judica, G. Un tipico esempio di idiozia acquisita: Ivan VI di Russia. Med. ital., 1935, 16: 51-4.

IVANIC, Stevan Z. Колера у Србији у XIX-веку. 95p. tab. 24cm. Beograd, Martinovich & Jefimenko, 1940.

IVANISSEVICH, Oscar.

For biography see Día méd., B. Air., 1941, 13: 1281, portr. See also **Demonstración** al Doctor Oscar Ivanissevich. Bol. Inst. clín. quir., B. Air., 1941, 17: 1238-53, portr.—Ferrari, R. C. La primera Cátedra de clínica quirúrgica; renuncia del Profesor Doctor José Arce nombramiento del nuevo titular Doctor Oscar Ivanissevich. Bol. Inst. clín. quir., B. Air., 1941, 17: 675-86, portr.—Homenaje al profesor doctor Oscar Ivanissevich. Prensa méd. argent., 1941, 28: pt 2, 2255.—Profesor (El) Oscar Ivanissevich se hace cargo del Instituto de clínica quirúrgica. Bol. Inst. clín. quir., B. Air., 1942, 18: 115-7.—Profesor (El) Oscar Ivanissevich pronuncia su conferencia como titular de la primera Cátedra de clínica quirúrgica. Ibid., 118-25.

IVANOFF, Georges [M. D., Genève 1924] *Sérodagnostic des affections oculaires d'origine syphilitique par les méthodes de flocculation de Sachs-Georgi, de Meinicke (M. T. R.) et de Dreyer-Ward, comparées à la réaction de Bordet-Wassermann. 20p. 8°. Genève, A. Kundig, 1924.

IVANOFF, Pierre [M. D., Genève 1927] *Le massage vibratoire en rhinologie. 16p. 8°. Genève, Impr. Du Commerce, 1927.

IVANOV, Alexander Fedorovich, 1867-1936. Wolfkovich, M. I. [Scientific works of Prof. Alexander Fedorovich Ivanov] Vest. otorinol., 1937, 7-10, portr.

IVANOV, Mikhael F., 1872-1935.

Greben, L. K. [The work of M. F. Ivanov in the production of new species of farm animals] Usp. sovrem. biol., 1940, 13: 106-21, portr.

IVANOV, N. Z., 1866-1933.

Dembskaya, V., & Sternberg, A. [Obituary] Sovet. vrach. gaz., 1934, 38: 78.

IVANOV, Nikolai Nikolaevich, 1884-1941.

For obituary see Biokhimia, Moskva, 1941, 6: 1.

IVANOV, Vladimir, 1873-1931.

Jordan, A. Nekrolog. Derm. Wschr., 1931, 93: 1783.

IVANOVICI, Avian Hortensiu, 1910-

*Etude des vaccinations associées par vaccins mixtes en médecine humaine. 54p. 8°. Par., Jouve & cie, 1936.

IVANOVSKY, Alexis Arsenevich. Объ

антропологическомъ составѣ населения россіи. vi, 288 (i. e. 144)p. map. tab. 35cm. Moskva, N. D. Sytin, 1904.

Forms: T. 22. Trudy antrop. otdela (Moskva. Imp. obsh. liub. estest., antrop. i etnogr.)

Население земного Шара; опытъ антропологической классификаціи. 3p. l. 508 (i. e. 259)p. tab. 35cm. Moskva, P. Riabushinsky, 1911.

Forms: T. 27. Trudy antrop. otdela (Moskva. Imp. obsh. liub. estest., antrop. i etnogr.)

IVANOWSKI, Dmitrii. Concerning the mosaic disease of the tobacco plant.

In Phytopath. Classics (Am. Phytopath. Soc.) Ithaca, No. 7, 1942, p. 25-30.

IVARSSON [Karl Magnus] Robert, 1893-

Eine Studie des Nierentuberkulosematerials aus der Lunder chirurgischen Klinik der Jahre 1901 bis einschl. 1923. 138p. 8°. Stockh., P. A. Norstedt & söner, 1931.

Forms Suppl. 18, v. 68, Acta chir. scand.

IVASHENTSOV, Gleb Aleksandrovich, 1883-1933.

Tushinsky, M. [Obituary] Arkh. biol. nauk, 1934, ser. B. 35: 641, portr. Also Sovet. vrach. gaz. 1934, 38: 162-4, portr.

IVASHKIEVICH-KLEVSCHINSKY, Marie. *Ueber den Einfluss der Alkalisalze auf das Flimmerepithel des Frosches [Zürich] 32p. 8°. Basel, Brin & cie, 1909.

IVEN, Franz, 1896- *Die Gefässe der Blasenmolenzotten. 20p. 8°. Bonn [n. p.] 1921.

IVENS-KNOWLES, Frances.

See Knowles, Frances Ivens.

IVENS, W[alter] G. Melanesians of the south-east Solomon Islands. xix, 529p. front. 21 pl. map. Lond., Kegan, Paul, Trench, Trubner & co., 1927.

IVERSEN, Axel, 1844-1930.

Poulsen, K. [Obituary] Hospitalstidende, 1930, 73: 1157-60.

IVERSEN, Ellef Hansen, 1814-72.

Portrait. In: Norges laeger (Kobro, I.) Krist., 1915, 1: 586.

IVERSEN, Erik Schjøth.

Portrait. In: Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 166.

IVERSEN, Erling.

Portrait. In: Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 166.

IVERSEN, Ingjald Schjøth.

Portrait. In: Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 167.

IVERSEN, Michael, 1861-

Portrait. In: Norges laeger (Kobro, I.) Krist., 1915, 1: 586.

IVERSEN, Poul, 1889- *Ammoniums forhold i organismen. 139p. 8°. Kbh., Arnold Busck, 1918.

See also Bock, J., & Iversen, P. The phosphate excretion in the urine during water diuresis and purine diuresis. 28p. 8°. Kbh., 1921.

IVES, August W., 1861-

For portrait see Nu Sigma Nu Bull., 1942, 31: 27.

IVES, Eli, 1779-1861.

Blumer, G. Eli Ives, practitioner, teacher and botanist. Yale J. Biol., 1932, 4: 649-63, portr.

For portrait see Founders and Presidents of the Am. Med. Ass. (Arlington Chem. Co.) Yonkers, N. Y., 1910, plate 2.

IVES, James Edmond, 1865-

BRITTEN, R. H. [et al.] Atmospheric pollution of American cities for the years 1931 to 1933. 75p. 8°. Wash., Gov. Print. Off., 1936.

IVES, James Edmond, & GILL, W. A. Measurements of ultraviolet radiation and illumination in American cities during the years 1931 to 1933. 36p. 8°. Wash., Gov. Print. Off., 1937.

IVES, James Edmond, KNOWLES, F. L., & THOMPSON, L. R. Studies in illumination. IV. Daylight in buildings; a study of the effect of the height and width of windows and of the reflecting power of the walls and ceiling upon the natural illumination within a building. 52p. 8°. Wash., Gov. Print. Off., 1935.

IVES, John. Electricity as a medicine, and its mode of application. 123p. 8°. New York, J. T. Ives, 1879.

IVES, Robert.

See Robinson, R. A., & Ives, R., eds. Bell's Sale of food and drugs. 10. ed. 363p.; 42p. 22cm. Lond., 1939.

IVES, Samuel A., & LEHMANN-HAUPT, Hellmut. An English 13th century bestiary, a new discovery in the technique of medieval illumination. 45p. 8 pl. 26½cm. N. Y., H. P. Kraus, 1942.

IVIS, Ambrose, 1786-1852.

For portrait see Collection in Library.

IVORY.

LAUFER, B. Ivory in China. 78p. 8°. Chic., 1925.

MASPERO, H., GROUSSET, R., & LION, L. Les ivoires religieux et médicaux chinois. 99p. 22½cm. Par., 1939.

IVY, Andrew Conway, 1893- **DAVENPORT, H. A., & BROCK, S.** [trans.] The present status of the problem of the functional innervation of the thyroid gland. 62p. pl. 25½cm. Chic., Northwestern Univ. School M., 1937.

Transl. from the French: Clin. chir. (M. Jaboulay) T. 1: Grand sympathique et corps thyroïde.

See also Gorham, F. W., & Ivy, A. C. General function of the gall bladder. p. 159-213. 24½cm. Chic., 1938.

For biography see Centaur, Menasha, 1941-42, 47: 200, portr. Also in Hist. Alpha Kappa Kappa (Van Antwerp, L. D.) Menasha, 1942, 200, portr. Also Mississippi Doctor, 1936-37, 14: No. 9, 25, portr.

For portrait [photograph] see Collection in Library. Also Dallas M. J., 1942, 28: 25.

IVY, Robert Henry, 1881-

CURTIS, Lawrence. Fractures of the jaws. viii, 180p. 8°. Phila., Lea & Febiger, 1931. Also 2. ed. 192p. 1938.

See also Blair, V. P., & Ivy, R. H. Essentials of oral surgery. 526p. 8°. S. Louis, 1923.

For portrait see Med. Rec., Houston, 1941, 35: No. 10, Insert.

IVY.

See Hedera; Rhus.

IWAI, Katujiro.

See Rabe, J., & Iwai, K., & Rüssel, A. Johannes Rabe, Umgang mit Körpern von verschiedener Form und Farbe in frühester Kindheit... 181p. 24½cm. München, 1938.

IWANOFF, Boris, 1903- *Untersuchungen zur Frage der Anreicherung des Jodgehaltes in der Frauenmilch. 26p. 8°. Münch. [F. Pinn] 1928.

IWANOFF, Iwan, 1896— *Ueber einen Fall von sporadischem Kretinismus mit Thyreoplasie und beginnendem Myxödem, unter besonderer Berücksichtigung der geweblichen Verhältnisse der Haut. 23p. 8°. Giessen [n. p.] 1928.

IWANOFF, Lüboimir, 1900— *Ueber die Aetiologie eines linksseitigen subphrenischen Abszesses mit Colonperforation. 16p. 8°. Lpz. [Gebr. Gerhardt] 1926.

IWANOFF, Simeon Tzankoff, 1904— *Ueber die Totalexstirpation des Uterus wegen unstillbarer Atonie post partum. 15p. 8°. Münch. [F. Pinn] 1928.

IWANOFF, Totio, 1896— *Zähne und Stoffwechsel. 26p. 8°. Bonn, H. Trapp, 1926.

IWANOW, Lüboimir, 1909— *Die Lyssa unter besonderer Berücksichtigung ihrer Ausbreitung und Bekämpfung in Bulgarien. 22p. 8°. Lpz., H. Arnold [1934]

IWANOWA, Mara, 1902— *Beitrag zur Frage nach der Pathogenese des Erythema exsudativum multiforme Hebrae. 24p. 8°. Münch. [n. p.] 1927.

IWANOWA, Nadejda, 1898— *Kieferankylose einseitig und doppelseitig. 20p. 8°. Lpz. [n. p.] 1929.

I was lean, and I became stout; humbly presenting some ideas that are really true, though they read like fiction. 36p. 12°. Bost., A. Williams & co., 1868.

IWENICKI, Joseph, 1902— *Les hémorragies utérines de la puberté. 50p. 8°. Par., Le François, 1929.

IXODES.

See also *Ixodidae*; *Ixodoidea*.

Bequaert, J. The giant ticks of the Malayan rhinoceroses, with a note on *Ixodes walckenaeri* Gervais. *Psyche J. Entom.*, Camb., 1933, 40: 137-43.—**Brumpt, E.** Paralyse ascendante mortelle expérimentale du chien par piqûre de la tique australienne: *Ixodes holocyclus*. *C. rend. Acad. sc.*, 1933, 197: 1358-61.—**Cooley, E. A., & Kohls, H. M.** Two new species of ticks (Ixodes) from California. *Pub. Health Rep.*, Wash., 1938, 53: 1616-21. — *Ixodes marmotae*, a new species of tick from marmots (Acarina: Ixodidae). *Ibid.*, 1938, 53: 1616-21. — *Ixodes baergi*, a new species of tick from Arkansas; *Acarina, Ixodidae*. *Ibid.*, 1942, 57: 1869-72, 2 pl. — *Ixodes mexicanus* n. sp. e *Ixodes tancitaris* n. sp., 2 nuevas garrapatas mexicanas (Acarina, Ixodidae). *Rev. Soc. mex. hist. natur.*, 1942, 3: 149-54.—**Oxer, D. T., & Ricardo, C. L.** Notes on the biology, toxicity and breeding of *Ixodes holocyclus*, Neumann. *Austral. Vet. J.*, 1942, 18: 194-9.—**Schulze, P.** Die kleinhöhlenbewohnenden Zecken der Artergruppe von *Ixodes autumnalis* Leach 1815. *Zschr. Parasitenk.*, 1936-37, 9: 351-72.—**Serdiukova, G. V.** A relict tick form, *Ixodes pomeranzevi* sp. n. *C. rend. Acad. sc. URSS*, 1941, 32: 519-22.—**Swan, D. C.** On a new species of *Ixodes* (I. hydro-myidis) from Western Australia. *Parasitology*, Lond., 1931, 23: 485-7.

— *persulcatus*.
See also *Encephalitis*.
Chumakov, M. P., & Gladkikh, S. I. [On the significance of ixodian ticks in transmutation of spring-summer encephalitis] *Biull. eksp. biol. med.*, 1939, 7: 229-31.—**Chumakov, M. P., & Seitenok, N. A.** Tick-borne human encephalitis in the European part of USSR and Siberia. *Science*, 1940, 92: 263.—**Levkovich, E. N.** [Pathogenesis of tick spring-summer encephalitis; distribution of the virus of tick spring-summer encephalitis in the human body] *Biull. eksp. biol. med.*, 1941, 11: 195. — **Kagan, N. V.** [Experiments in obtaining specific (immune) serums from animals in tick spring-summer encephalitis.] *Ibid.*, 199.—**Levkovich, E. N., & Skrynnik, A. N.** [Preservation of virus of verno-estival encephalitis in the hibernating ticks] *Arkh. biol. nauk*, 1940, 59: 118-21.—**Mironov, V. S.** [Ticks as possible carriers of spring encephalitis] *Med. parazit.*, Moskva, 1938, 7: 415-35. — [On the behaviour of the tick *Ixodes persulcatus* Schulze] *Ibid.*, 1939, 8: 123-36. — [Biotypes of the tick *Ixodes persulcatus* P. Sch. in the middle Kama region] *Ibid.*, 1940, 9: 93-105. — **Baldina, A. I.** [Persistent ulcer following bite of the *Ixodes persulcatus*] *Ibid.*, 11: No. 5, 51-3.—**Pavlovsky, E. N.** [Carriers, reservoirs of virus and foci of tick encephalitis] *Nevropat. psichiat.*, 1941, 10: No. 3, 10-2. — **Soloviev, V. D.** [Experimental investigation of the circulation of the

virus of tick encephalitis in the organism of the carrier-tick *Ixodes persulcatus*] *Arkh. biol. nauk*, 1940, 59: 111-7.—**Shafer, D. G., & Polykovsky, M. G.** [Peculiarities in the course of tick (spring-summer) encephalitis in the Ural] *Sovet. psikhonevr.*, 1940, 16: No. 5, 29-38.—**Shubladze, A. K., & Serdiukova, G. V.** [The tick *Ixodes persulcatus* as a carrier of verno-estival encephalitis] *Arkh. biol. nauk*, 1939, 56: No. 2, 121-31.—**Silber, L. A.** [On the relation of the vernal endemic tick-encephalitis to other forms of encephalitis] *J. mikrob.*, Moskva, 1939, No. 9-10, 55-64.—**Smorodintsev, A. A.** [Results of 3 years of investigation of Soviet medicine on verno-estival endemic tick encephalitis] *Arkh. biol. nauk*, 1939, 56: No. 2, 38-58.

— ricinus.

Bingham, M. L. A note on the bionomics of *Ixodes ricinus* L. *Parasitology*, Lond., 1941, 33: 316-9.—**Bosquier, R.** A propos d'un cas de parasitisme humain du *Ixodes ricinus*. *J. sc. méd. Lille*, 1920, 38: pt 1, 277-81.—**Carriek, R., & Bullough, W. S.** The feeding of the tick, *Ixodes ricinus* L., in relation to the reproductive condition of the host. *Parasitology*, Lond., 1940, 32: 313-9.—**Dainoff, Ueber** eine eigenartige Lokalisation des *Ixodes ricinus* L. Schweiz. med. Wschr., 1930, 60: 794.—**Hendrick, J., Moore, W., Morison, G. D.** Activity of the sheep tick. *Nature*, Lond., 1938, 141: 648.—**MacLeod, J.** The bionomics of *Ixodes ricinus* L. the sheep tick of Scotland. *Parasitology*, Lond., 1932, 24: 382-400. — *Ixodes ricinus* in relation to its physical environment; the factors governing survival and activity. *Ibid.*, 1935, 27: 123-44. — *Ixodes ricinus* in relation to its physical environment; climate and reproduction. *Ibid.*, 489-500. — *Ixodes ricinus* in relation to its physical environment. *Ibid.*, 1936, 28: 295-319. — Studies in tick-borne fever of sheep; experiments on transmission and distribution of the disease. *Ibid.*, 320-9. — The seasonal and annual incidence of the sheep tick, *Ixodes ricinus*, in Britain. *Bull. Entom. Res.*, Lond., 1939, 30: 103-18. — Recent work on the sheep tick, and its bearing on control measures. *Ann. Appl. Biol.*, Lond., 1941, 28: 296. — **Gordon, W. S.** Studies in tick-borne fever of sheep; transmission by the tick, *Ixodes ricinus*, with a description of the disease produced. *Parasitology*, N. Y., 1933, 25: 273-84.—**Pawlovsky, E. N., & Stein, A. K.** Experimentelle Untersuchungen über die Wirkung von *Ixodes ricinus* (Ixodidae) auf die Menschenhaut. *Arch. Schiffs Tropenhyg.*, 1927, 31: 574-86.—**Senevet, G., & Rossi, P.** *Ixodes ricinus*, tique des régions froides ou tempérées. *Bull. Soc. path. exot.*, Par., 1926, 19: 558-60.—**Stewart, W. L.** The economic importance of *Ixodes ricinus*. *Vet. J.*, Lond., 1939, 95: 341-9. — The sheep tick; a survey of conditions in the 4 northern counties of England. *Rev. Appl. Entom.*, Lond., 1941, 29: ser. B, 183 (Abstr.) — **Ponsford, A. P.** The control of sheep ticks. *Vet. Rec.*, Lond., 1939, 51: 1481-5.—**Valedinski, I. A.** [Local neuralgia from the presence under the skin of the *Ixodes ricinus*] *Novoe med.*, S. Peterb., 1910, 4: 745; 794.—**Walton, C. L.** The control of tick infestation [*Ixodes ricinus*] and a related disease of lambs in North Wales. *Parasitology*, Lond., 1927, 19: 265-73.

IXODIDAE.

See also *Acarina*; *Amblyomma*; *Dermacentor*; *Haemaphysalis*; *Hyalomma*; *Ixodes*; *Margaropus*; *Rhipicentor*; *Rhipicephalus*, etc.

CHALUMEAU, P. C. *Rôle des ixodidés (tiques) dans la transmission à l'homme et aux animaux domestiques des maladies parasitaires et microbiennes. 95p. 23½cm. Toulouse, 1938.

COOLEY, R. A. The genera *Dermacentor* and *Otocentor* (Ixodidae) in the United States, with studies in variation. 89p. 8°. Wash., 1938.

LECLERC, A. M. M. *Les ixodidés; leur importance médicale. 111p. 24½cm. Alger, 1936.

Apfelbeck, V. [Ixodid fauna of Bosnia and Herzegovina and adjoining regions] *Glasnik, Beogr.*, 1927, 3: 176-95.—**Beaurepaire Aragão, H. de.** *Ixodidas brasileiros e de alguns países limítrofes.* *Mem. Inst. Osw. Cruz*, 1936, 31: 759-843, pl. — Nota sobre os ixodídeos da República Argentina. *Ibid.*, 1938, 33: 319-27, tab.—**Brumpt, E.** Un mâle monstrueux d'*Amblyomma* dissimilé à deux ans, obtenu dans un élevage; description de divers autres cas tératologiques observés chez les ixodidés. *Ann. parasit.*, Par., 1934, 12: 105-15.—**Delpy, L.** Morphologie et disposition des stigmates respiratoires chez les larves hexapodes des Ixodidae. *Bull. Soc. path. exot.*, Par., 1938, 31: 298-300.—**Fonseca, F. da.** Der Schlangenparasit *Ixobioides butantanensis* novi generis n. sp. (Acarina, Ixodorhynchidae nov. fam.) *Zschr. Parasitenk.*, 1933-34, 6: 508-27.—**Garibaldi, M.** Distribuzione geografica degli ixodidi nelle nostre colonie dell'Africa Settentrionale. *Arch. ital. sc. med. col.*, 1935, 16: 664-71.—**Jellison, W. L., & Philip, C. B.** Technique for routine and experimental feeding of certain ixodid ticks on guinea pigs and rabbits. *Pub. Health Rep.*, Wash., 1933, 48: 1081, 2 pl.—**Kurchatov, V. I.** [Review of fauna of the blood-sucking ticks of the family

Ixodidae in the Crimea] Sovet. vet., 1940, 17: 32.—Niro, S. Gli ixodidi delle nostre colonie dell'Africa Orientale; distribuzione geografica. Arch. ital. sc. med. col., 1935, 16: 602-9.—Olsufiev, N. G. [Technique of breeding of Ixodidae in the laboratory] Med. parazit., Moskva, 1941, 10: 436-9.—Pinto, C., & Di Primio, R. Contribuição para a biologia dos Ixodidae do Estado do Rio Grande do Sul (Brasil) Rev. med. cir. Brasil, 1931, 39: 236-9, pl.—Pospelova-Strom, M. V. [Technique of feeding Ixodidae in the laboratory] Med. parazit., Moskva, 1941, 10: 433-6.—Roubaud, E., & Colar-Belcour, J. Sur un ixodidé peu connu d'Extrême-Orient, Aponomma crassipes Neumann, 1901. Ann. parasit., Par., 1935, 13: 424-9.—Schulze, P. Neue und wenig bekannte Amblyommen und Aponommen aus Afrika, Südamerika, Indien, Borneo und Australien (Ixodidae) Zschr. Parasitenk., 1935-36, 8: 619-37. — Ueber die bipolare Zecke Ceratixodes uriae (White) putus (Pickard-Cambridge). Zool. Anz., 1938, 123: 12-7.—Stella, E. Gli ixodidi fino ad ora conosciuti per l'Africa orientale. Gior. ital. clin. trop., 1939, 3: 64.—Vogelsang, E. G. Garrapatas (Ixodidae) del Uruguay. Bol. Inst. clin. quir., B. Air., 1928, 4: 668-70.

IXODIPHAGUS.

Brumpt, E. Parasitisme latent de l'Ixodiphagus caucurte chez les larves gorgées et les nymphes à jeun de divers ixodines (Ixodes ricinus et Rhipicephalus sanguineus) C. rend. Acad. sc., 1930, 191: 1085-7.

IXODOIDEA.

See also Acarinae; Argasinae; Ixodidae; Ornithodoros.

UNITED STATES. ENTOMOLOGY AND PLANT QUARANTINE BUREAU. Insects in relation to national defense. Circular 12: Ticks. 25p. 23cm. [Wash.], 1942.

Cooley, R. A., & Kohls, G. M. Antricola new genus, Amblyomma gertschi new species, and notes on Ixodes spinipalpis, Acarina: Ixodoidea. Pub. Health Rep., Wash., 1942, 57: 1733-6.—Eihschewitz, H. On the structure of the so-called stigmata of larval ticks. J. Parasit., Lancaster, 1942, 28: Suppl., 25 (Abstr.).—Elmassian, M. Sur les glandes salivaires chez quelques espèces de tiques. An. Inst. nac. parasit., Asuncion, 1928, 1: 203-35, pl.—King, H. H. Ixodoidea. Rep. Wellcome Trop. Res. Lab. Khartoum, 1911, 4: B, 128-30.—Koutz, F. R. Identification of ticks. J. Am. Vet. M. Ass., 1940, 97: 327.—Olenev, N. O. Teratologische Erscheinungen bei den Zecken (Ixodoidea) Zool. Anz., 1931, 93: 281-4.—Schulze, P. Ueber Chitinosid bei Zecken, Ibid., 1937, 120: 190-2.—Sen, S. K. The sucking apparatus in ticks. Nature, Lond., 1934, 134: 664.—Warburton, C. On 3 new species of ticks (Arachnida, Ixodoidea) Ornithodoros gurneyi, Ixodes arvicola and Haemaphysalis mjobergi. Parasitology, Lond., 1926, 18: 55-8. — On 5 new species of ticks (Arachnida: Ixodoidea) Ornithodoros nattereri, Ixodes theodori, Haemaphysalis toxopei, Amblyomma robinsoni and A. dammermani, with a note on the ornate nymph of A. latum, Ibid., 1927, 19: 405-10, 1 pl.

Biology.

Davis, G. E. Tick vectors and life cycles of ticks. Pub. Am. Ass. Advance Sc., 1942, No. 18, 67-76.—Kohls, G. M. Tick rearing methods with special reference to the Rocky Mountain wood tick. In Cult. Meth. Invertebr. (Galtsoff, P. S., et al.) Ithaca, 1937, 246-56.—Mail, G. A. Lethal temperatures for Dermacentor andersoni Stiles and other ticks in British Columbia. J. Econ. Entom., 1942, 35: 562-4.—Nieschulz, O., & Wawo-Roentoe, F. K. Ueber die Zucht von Zecken. Zbl. Bakt., 1. Abt., 1929-30, 115: 486-8.—Pawłowsky, E. N. Sammeln, Züchtung und Untersuchung von Zecken. In Handb. biol. Arbeitsmeth. (Aberhalden, E.) Berl., 1938, 9, T. 7, Bd 3: 11-96.—Sen, S. K. The mechanism of feeding in ticks. Parasitology, Lond., 1935, 27: 355-68.—Starvation record set as ticks survive for 5 years. Science News Lett., 1936, 30: 278.

Control.

GRAYBILL, H. W. The action of arsenical dips in protecting cattle from infestation with ticks. 27p. 8° Wash., 1913.

RANSOM, B. H., & GRAYBILL, H. W. Investigations relative to arsenical dips as remedies for cattle ticks. 65p. 8° Wash., 1912.

UNITED STATES. CONGRESS. HOUSE OF REPRESENTATIVES. A bill to appropriate \$500,000 to aid in the extermination of the cattle-fever tick, 59. Cong. 1. sess. H. R. 13368. Jan. 29, 1906. 1. 8° [Wash., 1906]

Argentina; regulations on the control of ticks. Vet. Bull., Lond., 1941, 11: 772.—Cerruti, C. Le zecche degli animali domestici e la pratica del dipping-tank. Clin. vet., Milano, 1926, 49: 360-77.—Control of the dog tick. Newslett. Massa-

chusetts Dep. Pub. Health, 1938, 3: No. 4, 1-3.—Cooper, W. F., & Laws, H. E. Some observations on the theory and practice of dipping. Parasitology, Camb., 1915, 8: 190-217, pl.—Du Toit, P. J. Ueber Zecken und deren Bekämpfung. Zschr. Infektkr. Haustiere, 1918, 19: 97; 210.—Fight (The) against the cattle-tick; how half our quarantined area has been freed of this pest. Sc. American, 1919, 87: Suppl., 266.—Heguito, H. R. La lucha contra la garrapata. Rev. zootéc., B. Air., 1932, 19: 390-404.—Hopkins, G. H. E., & Chorley, T. W. Experiments on the destruction of ticks. East Afr. M. J., 1940-41, 17: 71-80.—Importance of tick eradication. Vet. Rec., Lond., 1942, 54: 324.—Jackson, R. E. Organization in connection with tick eradication. J. Am. Vet. M. Ass., 1928-29, 74: 598-604.—Kleberg, R. Tick eradication in Texas. Ibid., 1932, 78: 587-96.—Mail, G. A. Tick control with special reference to Dermacentor andersoni Stiles. Vet. Bull., Lond., 1943, 13: 189 (Abstr.).—Mironov, V. S. [Principles of control of tick-vectors of encephalitis] Med. parazit., Moskva, 1941, 10: 427-33.—Ovchinnikov, P. A. [Platforms for washing horses with solutions of arsenic trioxide in control of ticks] Sovet. vet., 1940, 17: No. 2, 53.—Prevention of dangerous tick bites. J. Am. M. Ass., 1938, 110: 1951.—Toomey, N. Control of the tick borne diseases; methods and economics. Ann. Int. M., 1932, 5: 1513-25.—Van Zyl, J. P. Note on the decomposition of diluted polysulphide dips. Rep. Div. Vet. Educ., Pretoria, 1926, 11: 12: pt 1, 139-43.—Williams, N. F. Report of committee on tick eradication. J. Am. Vet. M. Ass., 1933, 82: 52-8.

Ecology.

Beaurepaire Aragão, H. de. Nota sobre algumas coleções de carrapatos brasileiros. Mem. Inst. Oswaldo Cruz, 1913, 5: 263-70, pl. — Observaciones sobre los ixodidos de la República Argentina. Reun. Soc. argent. pat. region. (1935) 1939, 9. meet., 3: 1476-88.—Bedford, G. A. H. Notes on some South African ticks, with descriptions of 3 new species. Annual Rep. Dir. Vet. Serv., Pretoria, 1929, 1: 493-9. — South African ticks. Onderstepoort J. Vet. Sc., 1934, 2: 49-99.—Bodenheimer, F. S. Ecological studies on some ticks. Parasitology, N. Y., 1934, 26: 489-95.—Cobb, S. Tick parasites on Cape Cod. Science, 1942, 95: 503.—Cooley, R. A. A search for tick parasites in South Africa. Onderstepoort J. Vet. Sc., 1934, 3: 23-42. — Occurrence of tick parasites in nature in Southern Idaho. Pub. Health Rep., Wash., 1934, 49: 111.—Franchini, G. Ixodidi delle Colonie Italiane dell'Africa del nord e dell'Africa orientale. Arch. ital. sc. med. col., 1927, 8: 555-8. — Sulla distribuzione degli Ixodidi (Ixodoidea) nelle nostre Colonie: Cirenaica. Ibid., 1929, 10: 1-7. — Distribuzione delle Ixodoidea nelle Colonie Italiane: Tripolitania. Ibid., 1929, 10: 49-52. — Distribuzione degli ixodidi nelle nostre colonie; Eritrea. Ibid., 10: 540-3. — Distribuzione degli ixodidi nello Yemen (Arabia meridionale) reperto di spirochete nei pidocchi della città di Sana. Ibid., 1930, 11: 449-52.—Headlee, T. J. Ticks occurring in New Jersey. Pub. Health News, Trenton, 1938, 22: 290-3.—Hixson, H. Biology, host relationship and identification of ticks infesting dogs in Florida. North Am. Vet., 1939, 20: No. 7, 45-50.—Katz, J. S. A collection of Ohio ticks and their hosts. J. Parasit., Lancaster, 1941, 27: 407.—Larson, C. L., & Green, R. G. Seasonal distribution of tick parasites. Ibid., 1938, 24: 363-8.—Olenev, N. O. Die Zecken (Ixodoidea) der Fauna Russlands. Zschr. Parasitenk., 1931-32, 4: 126-39. — [Investigations of Ixodoidea of the north-west part of the USSR] Med. parazit., Moskva, 1939, 8: 321.—Oswald, B. On Yugoslavian (Balkan) ticks (Ixodoidea) Parasitology, Lond., 1939, 31: 271-80.—Philip, C. B. Occurrence of a colony of the tick parasite Hunterellus hookeri Howard in West Africa. Pub. Health Rep., Wash., 1931, 46: 2168-72. — Six year's intensive observation on the seasonal prevalence of a tick population in western Montana. Ibid., 1937, 52: No. 1, 16-22.—Schulze, P. Ueber eine Zeckenausbeute von Kleinsäugetern aus Java. Zschr. Parasitenk., 1934-35, 7: 167-71. — Zur Zeckenfauna Burmas. Ibid., 1938-39, 10: 722-8.—Senevet, G. Clé pour la détermination des larves d'ixodidés trouvées sur les bovins en Algérie. Arch. Inst. Pasteur Algérie, 1928, 6: 42-6.—Ticks from tapirs of Panama. J. Parasit., Urbana, 1934, 20: 312.—Tonelli Rondelli, M. Ixodoidea; contributo alla conoscenza della fauna ixodologica sud-americana; spedizione del Prof. Becari nella Gujana Inglese ed a Trinidad. Riv. parasit., 1939, 3: 39-55.—Vogel, R. Einige Beobachtungen über Zecken Kleinsäugetern. Zbl. Bakt., 1. Abt., 1927, 103: 119-23.—Whittick, R. J. On a new tick from British Somaliland. Parasitology, Lond., 1938, 30: 333-8.—Zassukhin, D. N. [Summary of the work on tick investigation in the South-East of Russia] Vest. mikrob., 1933, 12: 31-46.

Infestation.

Ass, M. I. Zur Kenntnis der Ektoparasiten der Flossenfresser (Pinnipedia) eine neue Zeckenart auf dem Walross; vorläufige Mitteilung. Zschr. Parasitenk., 1934-35, 7: 601-7.—Bedford, G. A. H., & Wilken-Jordan, T. J. The effect of dosing aloes to tick-infected cattle. Onderstepoort J. Vet. Sc., 1934, 2: 267-9.—Bishop, F. C., & Smith, C. N. Ticks affecting dogs. Yearb. U. S. Dep. Agr., 1942, 1180-7.—Brunet, W. M. Wood ticks found on the penis: case reports. Brit. J. Vener. Dis., 1939, 15: 55.—Eddy, G., & Joyce, C. R. Seasonal notes on the dog tick. J. Iowa M. Soc., 1941, 31: 278.—Faust, E. C. Tick infestation. In Modern Med. Ther. (Barr, D. P.) Balt.,

1940, 2: 1974.—**Friedman, R.** Wood tick simulating pedunculated tumor. *Arch. Derm. Syph., Chic.*, 1940, 41: 887.—**Kemper, H., & Reichmuth, W.** Die Taubenzecke als Parasit des Menschen. *Rev. Appl. Entom.*, Lond., 1942, 30: 75 (Abstr.).—**Shipley, A. E.** Insects and war; ticks. *Brit. M. J.*, 1914, 2: 830.—**Strickland, C., & Roy, D. N.** Ticks found on man. *Ind. J. M. Res.*, 1939, 27: 251-78.—**Wiener, K.** Wood tick simulating pedunculated tumor. *J. Am. M. Ass.*, 1939, 113: 1564.—**Wilson, D. J.** Wood ticks; an easy method for removal from skin. *Arch. Derm. Syph., Chic.*, 1940, 42: 937.

— Pathogenicity.

See also under names of diseases transmitted as **Rickettsiasis; Tularemia**, etc.

PARKER, R. R. Tick-borne diseases of man in Montana and methods of prevention. 12p. 8°. Helena, 1933.

Becker, F. E. Tick-borne infections in Colorado; the diagnosis and management of infections transmitted by the wood tick. *Colorado M.*, 1930, 27: 36-44. — Tick-borne infections in Colorado; a survey of the occurrence of infections transmitted by the wood tick. *Ibid.*, 87-95.—**Bey, P.** The preventive and curative treatment of diseases transmitted by ticks; summary of report. *Rep. Internat. Vet. Congr.* (1914) 1915, 10. Congr., 3: 877.—**Bihsopp, F. C.** Ticks and the role they play in the transmission of diseases. *Annual Rep. Bd. Regents Smithson. Inst.*, 1933, 389-406.—**Bite** by infected wood tick held compensable. *Month. Labor Rev.*, Wash., 1933, 37: 314.—**Bryan, A. H.** Some notes on veterinary ixodiasis. *Vet. Bull.*, Wash., 1935, 29: 31-40.—**Burton, W. E.** Beware the tick. *Hygeia, Chic.*, 1936, 14: 324-8.—**Certain (On)** diseases from the fields and woods. *South. M. & S.*, 1940, 102: 386.—**Cowdry, E. V.** A group of micro-organisms transmitted hereditarily in ticks and apparently unassociated with disease. *Rep. Div. Vet. Educ.*, Pretoria, 1926, 11-12: pt 1, 147-58, 3 pl.—**De Meillon, B.** A toxin from the eggs of South African ticks. *S. Afr. J. M. Sc.*, 1942, 7: 226-35, pl.—**Falchi, G.** Lesioni cutanee da punture di zecca. *Arch. ital. dermat.*, 1937, 13: 457.—**Gregson, J. D.** Cytoplasmic inclusion bodies in the engorging tick. *J. Path. Bact.*, Lond., 1938, 47: 143-53, 2 pl.—**Guilford, H. M.** Ticks. *Wisconsin Bd. Health Q. Bull.*, 1942, 7: No. 3, 16.—**Hoepli, R., & Feng, L. C.** Experimental studies on ticks. *China M. J.*, 1933, 47: 29-43, 4 pl.—**Kirksey, T. M.** Unusual anemia following tick bite; case report. *Dallas, M. J.*, 1941, 27: 116.—**Kobayasi, Y.** On the bite caused by a house tick. *Jap. J. Derm. Urol.*, 1934, 35: 7.—**Koutz, F. R.** Ticks and their importance in small animal practice. *Vet. Med.*, Chic., 1941, 36: 470-3.—**Lignières.** Diseases transmitted by ticks; their classification, treatment and prevention; summary of report. *Rep. Internat. Vet. Congr.* (1914) 1915, 10. Congr., 3: 800-2.—**Macleod, J.** The tick problem. *Vet. Rec.*, Lond., 1938, 50: 1245-50.—**Matheson, R.** Ticks and disease with special reference to spotted fever and tularemia in the eastern states. *Cornell Vet.*, 1940, 30: 167-77.—**Medulla, C.** Conseguenza immediate e lontane di una puntura di zecca. *Arch. ital. sc. med. col.*, 1935, 16: 813-5.—**Mudrow, E.** Ueber die intrazellulären Symbionten der Zecken. *Zschr. Parasitenk.*, 1932-33, 5: 138-83.—**Nuttall, G. H. F.** Le rôle pathogène des tiques. *Bruxelles méd.*, 1929-30, 10: 1359-66.—**Oswald, B.** Revue des travaux publiés en Yougoslavie sur le problème des tiques et nouvelles recherches sur le poison de leurs oeufs. *Ann. parasit.*, Par., 1938, 16: 548-59, pl.—**Parker, R. R., Philip, C. B.** [et al.] Ticks of the United States in relation to disease in man. *J. Econ. Entom.*, 1937, 30: 51-69.—**Riley, W. A.** Ticks may be both parasites and carriers of disease. *Nations Health, Chic.*, 1926, 8: 176.—**Sanford, L. L.** Wood ticks and disease. *Hygeia, Chic.*, 1941, 19: 375.—**Spencer, R. R.** Expansion of investigations on tick-borne diseases by the United States Public Health Service. *Pub. Health Rep.*, Wash., 1931, 46: 2097-101.—**Stewart, W. L.** The tick problem. *Vet. Rec.*, Lond., 1939, 51: 93-8.—**Suzuki, T.** Transmission of disease by ticks in the epidemic region of Yato-Byo (Ohara's disease). *Annual Rep. Saito ho-on kai*, 1932, No. 8, 101-32, 2 pl.—**Taylor, A. W., Holman, H. H., & Gordon, W. S.** Attempts to reproduce the pyaemia associated with tick-bite. *Vet. Rec.*, Lond., 1941, 53: 337-44.—**Theiler, A.** The transmission of tickborne diseases by the intrajugular injection of the emulsified intermediary host itself. *Rep. Dir. Vet. Educ.*, Pretoria, 1928, 17-44. — **& Du Toit, P. J.** La transmission des maladies, dont les tiques sont les vecteurs, par l'injection intrajugulaire d'une émulsion de l'hôte intermédiaire. *Bull. Soc. path. exot.*, Par., 1926, 19: 725-37.—**Theiler, A., Gray, C. E., & Power, W. M.** Diseases transmitted by ticks; their classification, treatment, and eradication. *Rep. Internat. Vet. Congr.* (1914) 1915, 10. Congr., 3: 806-19.—**Todd, J. L.** Does a human tick-borne disease exist in British Columbia? *Canad. M. Ass. J.*, 1912, 2: 686. — Tick bite in British Columbia. *Ibid.*, 1118.—**Trager, W.** Acquired immunity to ticks. *J. Parasit.*, Lancaster, 1939, 25: 57-81.—**Zasukhin, D. N.** [Transovarian transmission of causative agents of protozoan, spirochaetal, bacterial and virus diseases in ticks] *Vest. mikrob.*, 1936, 15: 457-60.

IYENGAR, M. O. T. Studies on the epidemiology of filariasis in Travancore. 179p. 12 pl. 8°. Calc., Indian Res. Fund Ass., 1938.

IZAC, René, 1912— *La pseudo-sclérose type Westphal-Strümpell devant la sémiologie neurologique objective. 219p. 8°. Lyon, Bosc frères, 1936.

IZARD, Gabriel 1880— Orthodontie; orthopédie dento-faciale. xv, 762p. 8°. Par., Masson & cie, 1930.

IZARD, Jacques, 1904— *La détermination du développement intellectuel chez les enfants; son importance clinique. 120p. 8°. Par., Lib. M. Lac, 1930.

IZARD, L., & DES CILLEULS, J. Précis d'hygiène militaire à l'usage des écoles militaires et des candidats à la préparation militaire supérieure. xv, 229p. 12°. Par., Charles-Lavauzelle & cie, 1930.

— **& KERMARREC, R.** La guerre aérochimique et les populations civiles; étude historique, clinique, thérapeutique et préventive. 2. éd. 243p. illust. 8°. Par., Charles-Lavauzelle & cie, 1932.

IZARD, Paul. *Cancers de la margelle du larynx. 109p. 23½cm. [Toulouse] Lion & fils, 1934.

IZERGIN, Petr Vasilievich, 1870-1936. *Dobroliubov, L.* [Obituary] *Nov. khir. arkh.*, 1936, 37: 549, portr.

IZET, Xhavid, 1911— *Contribution à l'étude des parotidites post-opératoires. 46p. 8°. Par., M. Vigné, 1935.

IZIKOWITZ, Sander. Methodological and clinical studies on total protein, globulin and albumin concentrations in lumbar fluid. 259p. illust. tab. diagr. 23cm. Stockh., Karolinska Inst., 1941.

IZMIRLIAN, Hérand, 1908— *Quelques remarques sur la thérapeutique des gestations ectopiques jeunes. 48p. 8°. Par., E. Le François, 1936.

IZQUIERDO, José Joaquín, 1893— Balance cuatricentenario de la fisiología en México. 358p. illust. portr. 8°. México, Ed. Ciencia, 1934.

— Harvey, iniciador del método experimental; estudio crítico de su obra *De Motu Cordis* y de los factores que la mantuvieron ignorada en los países de habla española [xviii] 398p. illust. pl. portr. 8°. Méx., Ed. Ciencia, 1936.

— Analisis experimental de los fenómenos fisiológicos fundamentales; guía para un curso de fisiología general de laboratorio. xxii, 334p. illust. portr. tab. 23½cm. Méx., Ed. Ciencia, 1939.

— Bernard, creador de la medicina científica. xxiv, 328p. portr. 24cm. Méx. [Print. by F. M. García Icazbalceta] 1942.

— Los cuadros murales de la facultad de medicina de San Francisco, California., 43p. pl. 25cm. Méx. [The Author?] 1942.

See also **Canon, W. B.** Curso de fisiología de laboratorio. From 6. English ed.; transl. by J. J. Izquierdo. 203 l. 8°. N. Y., 1929.

IZQUIERDO, Vicente. For portrait see *Res. gen. Congr. cient. panamer.* (1908-9) 1915, 4. Congr., 103.

IZQUIERDO Salazar, Alfredo D. *El Yatren 105 en la disenteria ambiana. 40p. 8°. Bogotá, Tip. Voto Nacional, 1927.

IZZO, Roque A., 1892— **Biography.** In *Biogr. Enycl. World*, 2. ed., N. Y., 1942, 211, portr.

For portrait see *Libro de oro* (B. Air. Fac. cienc. méd.) B. Air., 1941, 32.

J

JAASTAD

- JAASTAD, Leonard Binning**, 1915—**Pure oxygen: its immediate toxic action.* 22p. 28cm. [Milwaukee, S. Joseph's Hosp.] 1940.
- JAASTAD, Torvald Martin**, 1881—*Portrait.* In: *Norges laeger* (Kobro, I.) Krist., 1915, 1: 587.
- JAATINEN, Hjalmar**, 1876–1934. For obituary see *Svensk farm. tskr.*, 1934, 37: 543.
- JABAJI, Wahby I.** [M. D., 1935, Lausanne] **Du diagnostic de la tuberculose utéro-annexielle.* 32p. 23cm. Lausanne [n. p.] 1935.
- JABARA, Ernest H.** *Australian backer of optometry.* *Optometr. Week.*, 1941–42, 32: 1344.
- JABBOURY, Wadi M.** [M. D., 1932, Genève] **La néphrose lipoidique pure chez l'enfant.* 44p. 8°. Genève, Impr. Du Commerce, 1932.
- JABIR ibn Haiyān, al-Tarasūsī.** See Gabir, Abu Musa ibn Haiyan al-Azdi [al Safi]
- JABIR, Musa ibn Haiyān.** See Gabir, Abu Musa ibn Haiyan al-Azdi [al-Safi]
- JABLONSKI, Gertrud [Anna]** 1897—**Klimakterielle Psychosen* [Königsberg i. Pr.] 25p. 8°. [Hannover, C. Riebel] 1926.
- JABLONSKI, Gustave**, 1901—**L'auto-hémothérapie locale dans le traitement de l'eczéma.* 44p. 8°. Par., A. Legrand, 1936.
- JABLONSKI, Wolfgang** [M. D., 1936, Basel] **Ueber die Fettgewebsexzision (Adiposektomie) und Metallnetzimplantation bei der Operation grosser und übergrosser Hernien der Bauchwand* [Basel] 29p. 8°. Riga, Buchdr. Pipiņš un Upmanis, 1936.
- JABLONSKY, Horst**, 1900—**Die Diagnostik tuberkulöser Haut- und Mundschleimhauterkrankungen mittels der Besredka-Reaktion* [Königsberg] 8p. 4°. [n. p.] 1925.
- JABLOW, Léon**, 1899—**Alcoolisme et épilepsie.* 36p. 8°. Par., L. Arnette, 1929.

JABORANDI.

- See also *Pilocarpus*.
- Byasson, M.** [The content of the jaborandi leaves] *Ny pharm. tid.*, Kbh., 1875, 7: 167–71.—**Dionisio, M.** *Il iaborandi del Brasile.* *Gior. farm. chim.*, Tor., 1874, 23: 347–9.—**Ferrer Rovira, J.** *Le jaborandi dans la paralysie intestinale.* *Bruxelles méd.*, 1927–28, 8: 1546.—**Renard, E.** [The Jaborandi plant] *Ny pharm. tid.*, Kbh., 1875, 7: 129–36.
- JABOT, Pierre Charles Richard**, 1910—**Les installations modernes des salles d'opération: les blocs opératoires* [Paris] 41p. 24cm. Niort, F. Soullisse-Martin, 1938.
- JABOULAY, Mathieu**, 1860–1913. *Cliniques chirurgicales. T. 1: Grand sympathique et corps thyroïde.* For English translation see *Ivy, A. C., Davenport, H. A., & Brock, S.*, transl. The present status of the problem of the functional innervation of the thyroid gland. 62p. 25½cm. Chic., 1937.
- Gayet, G.** [Biographie] *Biogr. méd.*, Par., 1936, 10: 257–72, 3 pl., portr.

JACARANDA.

- Carrau, A.** *El Jacaranda recurrens en el tratamiento de las enterocolitis disintéticas y disenteriformes del niño.* *Arch. pediat. Uruguay*, 1938, 9: 750.—**Convers y Gaitán.** *Jacaranda mimosefolia; medicamento vegetal que se halla en las selvas templadas de la América meridional.* *Rev. homeop.*, Barcel.,

JACARANDA

- 1893, 4: 33–5.—**Paes de Barros, F.** *Contribuição à matéria médica vegetal do Brasil; complemento ao estudo farmacognóstico e terapêutico das várias espécies do gênero Jacaranda (Bignoniaceae)* *Mem. Inst. Butantan*, 1942, 16: 357–63, 2 pl.—**Pirajá da Silva, M., & Campos, J. B.** *Carobinhas.* *Labor. clin.*, Rio, 1942, 22: 269–73.—**Rothéa.** *Caroubier et caroubes.* *Bull. sc. pharm.*, Par., 1922, 29: 369; 443.
- JACCOTTET, Edouard** [M. D., 1924, Genève] **De l'action pharmacodynamique d'un nouvel anesthésique local le p- amino-benzoyl-diéthyl-amino-butanol.* 76p. 8°. Genève, Impr. De St-Gervais, 1924.
- JACCOUD, François Sigismond**, 1830–1913. **Achard, C.** *Jaccoud à l'Académie.* *Bull. Acad. méd.*, Par., 1930, 3. ser., 104: 612–8.—**Ceppi, E.** [Biography] *Schweiz. med. Wschr.*, Basel, 1931, 61: 187.—**Menetrier, P.** *Eloge.* *Bull. Acad. méd.*, Par., 1930, 3. ser., 104: 589–611. Also *Progr. méd.*, Par., 1930, 2213–25.
- JACCOUD, Maurice** [M. D., 1930, Genève] **De l'interprétation et de la valeur sémiologique de la courbe de Damoiseau; essai de reproduction expérimentale.* 36p. 8°. Genève, Impr. E. Rochat, 1930.
- JACCOUD, S.** *Curabilità e trattamento della tisi polmonare.* 219p. 19½cm. Napoli, E. Detken, 1882.
- JACHES, Leopold**, 1873–1939. For obituary see *Am. J. Roentg.*, 1939, 41: 455–7, portr. Also *Radiogr. Clin. Photogr.*, 1939, 15: No. 2, 30.
- Sussman, M. L.** *Obituary.* *J. Mount Sinai Hosp. N. York*, 1939–40, 6: 44–6. Also *Radiology*, 1939, 32: 493, portr.
- JACHESKY, León** [M. D., 1936, B. Air.] **La reacción presuntiva de Kahn en el chanero blando.* 31p. 27cm. B. Air., Impr. Frascoli y Bindi, 1936.
- JACHMANN, Ehler von**, 1905—**Der matologische Beiträge zur Erb- und Sterilisationsfrage.* 20p. 8°. Marb., 1935.
- JACHNIUK, Mordko** [M. D., 1936, Basel] **Die Aetiologie und Pathogenese der Myasthenia gravis pseudoparalytica* [Basel] 43p. 8°. Wilna, Drukarnia Express, 1936.
- JACHNIUK-AJZENBARG, Sura** [M. D., 1937, Basel] **Die Frühsymptome der Tabes dorsalis* [Basel] 28p. 22½cm. Wilna, Drukarnia Express, 1937.
- JACK, Edwin Everett**, 1863–1942. For obituary see *N. England J. M.*, 1942, 227: 933.
- JACK, Harold K.** *Physical education for small elementary schools.* vii, 184p. illust. tab. 23½cm. N. Y., A. S. Barnes & co. [1941]
- JACK, Lois M.** *An experimental study of ascendant behavior in preschool children.* p.7–65. 23½cm. Iowa City, Univ. Iowa, 1934.
- **MANWELL, Elizabeth Moore** [et al.] *Behavior of the preschool child.* 171p. tab. diagr. 23½cm. Iowa City, Univ. Iowa, 1934. Forms No. 3, v.9, Univ. Iowa Stud. Child Welf.
- JACK, William Robert**, 1866–1927. See **Wheeler, A., & Jack, W. R.** *Wheeler and Jack's handbook of medicine.* Rev. by John Henderson. 10. ed. 703p. 8°. Balt., 1937. For obituary see *Glasgow M. J.*, 1927, 108: 91–5, portr.

JACK bean.

- See *Canavalia* in 5. ser.
- JACKE, Heinrich**, 1907—**Ueber den Glomus neuro-myoarterialis und seine Tumoren*

[Marburg] 31p. 22½cm. Bonn, L. Heidelmann, 1934.

JACKS, Lawrence Pearsall, 1860— The confession of an octogenarian. 272p. portr. 22cm. N. Y., Macmillan co. [1942]

JACKS, Leo Vincent, 1896— Mother Marianne of Molokai. xvi, 203p. portr. 8° N. Y., Macmillan co., 1935.

JACKSON, A. T. Picture-writing of Texas Indians. xxv, 490p. 8° Austin [1938]

JACKSON, Abraham Reeves, 1827-92. For portrait see Collection in Library.

JACKSON, Allan Vaughan [M. B., Melb., 1935] See **Burnett, F. M.** [et al.] The production of antibodies. 76p. 24½cm. Melbourne, 1941.

JACKSON, Alexander Ardell, 1876-1940. For obituary see Bull. Acad. M. Toronto, 1941, 14: 92.

JACKSON, Andrew, 1767-1845. For portrait see in Enjoyment. Art in Am. (Shoolman, R.) Phila., 1942, 704.

JACKSON, Arnold Stevens, 1893— Goiter and other diseases of the thyroid gland. xv, 401p. 4° N. Y., P. B. Hoeber, 1926.

— The answer is — your nerves. vii, 197p. illust. 19½cm. Madison, Wis., The Author, 1942.

For portrait see Tr. Am. Ass. Goiter, 1941, front.

JACKSON, Arthur Hartt, 1894— For portrait see Connecticut M. J., 1942, 6: 486.

JACKSON, Byron Hubbard, 1873-1939 **Bortz, E. L.** Obituary. Ann. Int. M., 1939-40, 13: 218.— **Brown, P.** Obituary. Am. J. Roentg., 1939, 42: 127-9, portr.

JACKSON, C. J., HOWAT, G. R., & HOAR, T. P. Discoloration and corrosion in canned cream, p. 284-90. pl. 25½cm. [n. p., 1936]

JACKSON, Cecil. The incidence and pathology of tumours of domesticated animals of South Africa; a study of the Onderstepoort collection of neoplasms with special reference to their histopathology. 460p. illust. 8° Pretoria, Gov. printer, 1936.

JACKSON, Charles Thomas, 1805-80.

Gumpert, M. Jackson and Morton: the discoverers of ether as an anesthetic. In his Trail Blazers of Science, N. Y., 1936, 229-51.

For portrait see Collection in Library. Also in Proc. Dent. Centen. Celebr. (Maryland Dent. Ass.) 1940, 349.

JACKSON, Chevalier, 1865— Endoscopic (bronchoscopy, laryngoscopy, oesophagoscopy) et chirurgie du larynx. 742p. 457 illust., 5 pl. 8° Par., G. Doin, 1923.

— Bronchoscopy and esophagoscopy; a manual of peroral endoscopy and laryngeal surgery. 2. ed. 457p. 10 pl. 8° Phila., W. B. Saunders co., 1927.

For 3. ed. see with C. L. Jackson.

— The life of Chevalier Jackson; an autobiography. x, 229p. illust. pl. portr. 8° N. Y., Macmillan co., 1938.

— Bronchoscopy. p. 535-45. 26cm. N. Y., T. Nelson & sons, 1942.

In Surg. Nose & Throat (Kernan, J. D.) N. Y., 1942. Also Editor of **The nose, throat, and ear** and their diseases in original contributions by American and European authors. 1177p. 8° Phila., W. B. Saunders co., 1929.

For biography see Clinic Jefferson M. Coll., 1924, 27, portr. Also Med. Rec., N. Y., 1938, 148: 43. Also Current Biogr., N. Y., 1940, 1: 426.

See also Dr Chevalier Jackson receives Distinguished Service Medal. J. Am. M. Ass., 1940, 114: 2465.—**Hardin, A. D.** Autobiography of Dr Chevalier Jackson reviewed for the Dallas Times Herald. Dallas M. J., 1938, 24: 94-6.—**Robertson, J. N.** A tribute to Dr Chevalier Jackson. South. M. & S., 1926, 88: 798.

For portrait see Collection in Library. Also Bull. Fulton Co. M. Soc., 1937, 11: 7. Also J. Am. M. Ass., 1940, 114: 2465. Also Proc. Interest. Postgrad. M. Ass. N. America (1940) 1941, front.

— & **JACKSON, Chevalier Lawrence.** Bronchoscopy, esophagoscopy, and gastroscopy.

3. ed. 485p. illust. 8° Phila., W. B. Saunders co., 1934.

For 2. ed. see **Jackson, Chevalier.** Bronchoscopy and esophagoscopy. 457p. 1927.

— Foreign body in air and food passages roentgenologically considered. xx, 265 p., 236 illust. 8° N. Y., P. B. Hoeber, 1934.

— Diseases of the air and food passages of foreign-body origin. 333p.; 636p. illust. 8° Phila., W. B. Saunders co., 1936.

— The larynx and its diseases. 555p. illust. pl. 8° Phila., W. B. Saunders co., 1937. ALSO 2. ed., rev. & reset: Diseases and injuries of the larynx. xi p. 633p. 24cm. N. Y., Macmillan co., 1942.

— What does your baby put in his mouth? 22p. illust. 8° Chic., Am. M. Ass., 1937.

— Cancer of the larynx. x, 309p. illust. pl. diagr. 24cm. Phila., W. B. Saunders co., 1939.

— Diseases of the esophagus. p. 20-89 pl. 25½cm. Phila., F. A. Davis co., 1939. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 6:

JACKSON, Chevalier Lawrence, 1900—

Editor of **Quarterly review of otorhinolaryngology.**

See also **Jackson, C., & Jackson, C. L.** Bronchoscopy, esophagoscopy, and gastroscopy. 3. ed. 485p. illust. 8° Phila., 1934. — Diseases of the air and food passages of foreign-body origin. 333p.; 636p. 8° Phila., 1936. — The larynx and its diseases. 555p. 8° Phila., 1937. — What does your baby put in his mouth? 22p. 8° Chic., 1937. — Cancer of the larynx. 309p. 24cm. Phila., 1939.

JACKSON, Clarence Martin, 1875— The effects of inanition and malnutrition upon growth and structure. xii, 616p. illust. diagr. 8° Phila., Blakiston co. [1925]

— Research progress at the University of Minnesota July 1924-July 1925. 306p. 8° Minneap., 1926.

Also editor of **Morris, H.** Morris' Human anatomy [etc.] 9. ed. 1481p. 8° Phila. [1933]

See also **Harris, J. A., Jackson, C. M.** [et al.] The measurements of man. 8° Minneapolis, 1930.

Boyd, E. A. A tribute to Clarence M. Jackson. Q. Phi Beta Pi M. Fratern., 1942, 39: 3, portr.—**Lowrey, L. G.** Clarence Martin Jackson. Ibid., 39.—**Myers, J. A.** Clarence Martin Jackson, a great physician, a personal appreciation. J. Lancet, 1942, 62: 142-5, portr.

For portrait see Collection in Library.

— & **BLOUNT, Raymond F.** Digestive system. p.1245-359. 28cm. Phila., Blakiston co., 1942.

In Human Anat. (Morris, H.) 10. ed.

JACKSON, Dennis Emerson, 1878— Experimental pharmacology and materia medica. 2. ed. xxii, 906p. illust. pl. diagr. 25cm. S. Louis, C. V. Mosby co., 1939.

For portrait see J. Lab. Clin. M., 1940-41, 26: front. Also Nu Sigma Nu Bull., 1940-41, 30: 94; 1942, 31: 82.

JACKSON, Edward, 1856-1942.

Anderson, M. D. A bibliography of the contributions of Dr Edward Jackson to ophthalmology, general medicine, &c. Contrib. Ophth. Sc., 1926, 298-313.—**Chance, B.** [A founder of the section on Ophthalmology of the College of Physicians of Philadelphia] Tr. Coll. Physicians Philadelphia, 1943-44, 11: 32-5. Also Am. J. Ophth., 1943, 26: 209-14.—**Crisp, W. H.** Edward Jackson, student and teacher. Ibid., 1-12, 3 portr. Also Rocky Mountain M. J., 1943, 40: 307-17, portr.—**Lebensohn, J. E.** Master ophthalmologist. Eye Ear & Month., 1934, 13: 115.—**Post, L. T., Troncoso, M. U.** [et al.] Personal recollections of Dr Edward Jackson. Am. J. Ophth., 1943, 26: 89-94.

See also **Crisp, W. H.** Obituary. Tr. Am. Acad. Ophth. Otolaryng., 1942-43, 47: 117, portr.—**Knapp, A.** [Obituary] Arch. Ophth., Chic., 1943, 29: 137-40, portr.—[Obituary] Brit. J. Ophth., 1943, 27: 190. Also J. Am. M. Ass., 1942, 120: 781, portr. Also Am. J. Ophth., 1943, 26: 214.—**Post, L. T.** [Obituary] Ibid., 1942, 25: 1507.

For portrait see Collection in Library. Also in Stud. Eighth Nerve (Los Angeles Res. Study Club) S. Louis, 1937, 4. Also Philadelphia M., 1941-42, 37: 1408.

JACKSON, Ernest Sandford, 1850-1938. Obituary. Med. J. Australia, 1938, 2: 659, portr.

JACKSON, Fred Kinney, 1874— Essentials of physiology. 2. ed. 393p. illust. diagr. 8°. Burlington, Vt., Tuttle co., 1933.

JACKSON, George Thomas, 1852–1916. Ready reference handbook of diseases of the skin. 4. ed. 642p. 8°. N. Y., Lea & co., 1901.
For portrait see Collection in Library.

JACKSON, Hall, 1739–97.
Jackson, R. L. Dr Hall Jackson of Portsmouth. Ann. M. Hist., 1933, n. ser., 5: 103–28, portr.

JACKSON, Harold Gordon, 1888— Check list of the terrestrial and fresh-water Isopoda of Oceania. 35p. 24½cm. Wash., 1941.
Forms v.99, No. 8, Smithson. Misc. Collect.

JACKSON, Henry, 1858–1940.
Christian, H. A. [Obituary] Tr. Ass. Am. Physicians, 1941, 56: 22.—**Obituary.** Brit. M. J., 1937, 1: 533. Also N. England J. M., 1940, 223: 683.

JACKSON, Herbert Spencer, 1883—
For portrait see Mycologia, N. Y., 1935, 27: front.

JACKSON, Howard Campbell, 1892—
Some studies on the neutralization of cream for butter-making. 18p. 8°. Ithaca, Cornell Univ., 1923.

JACKSON, Hughlings.
See Jackson, John Hughlings.

JACKSON, Jabez North, 1868–1935.
Black, C. E. [Obituary] Tr. West. Surg. Ass., 1935, 45: 567, portr. Also J. Missouri M. Ass., 1935, 32: 251.—**Orr, T. G.** [Obituary] Tr. Am. Surg. Ass., 1935, 53: 488, portr.—**Skinner, E. H.** [Obituary] Month. Bull. Kansas City Clin. Soc., 1935, 11: No. 5, 2.

JACKSON, James, 1777–1867.
For biography see Q. Harvard M. Alumni Ass., 1901–4, 333–87, portr.
See also **Minot, G. R.** James Jackson as a professor of medicine. N. England J. Med., 1933, 208: 254–8.

JACKSON, James Allen, 1884–1938.
For obituary see J. Am. M. Ass., 1938, 111: 2320. Also **Sandy, W. C.** Obituary. Am. J. Psychiat., 1938–39, 95: 1005.

JACKSON, James C[aleb] 1811— Consumption: how to prevent it, and how to cure it. vii, 400p. portr. 22cm Bost., B. L. Emerson, 1862.

JACKSON, John Hughlings, 1835–1911. Selected writings. Edited for the guarantors of Brain by James Taylor [et al.] 2v. 500p.; 510p. 8°. Lond., Hodder & Stoughton, 1931–32.

For biography see Med. Classics, 1938–39, 3: 889–914. Also Mississippi Doctor, 1941–42, 19: 459, portr. Also **Kennedy, F.** [Biography] J. Nerv. Ment. Dis., 1935, 82: 637.—**McEachern, D.** [Biography] Arch. Neur. Psychiat., Chic., 1935, 33: 636–42, portr. Also in Montreal Neur. Inst. Neur. Biogr., Lond., 1936, 57–64, pl.

See also **Benedek, L.** On the life and work of Hughlings Jackson. In Hughlings Jackson Mem. Vol., Debrecen, 1935, No. 1, portr. Also Orvostképzés, 1935, 25: 276–82, portr.—**Chance, B.** Hughlings Jackson, the neurologic ophthalmologist; with a summary of his works. Arch. Ophth., Chic., 1937, 17: 241–89.—**Hale-White, W.** John Hughlings Jackson. In his Great Doctors, Lond., 1935, 268–89.—**Harris, W.** John Hughlings Jackson, 1835–1911. Postgrad. M. J., Lond., 1935, 11: 131–4.—**Ray, M. B.** Hughlings Jackson. In her Doctors of the Mind, Bost., 1942, 112–4.—**Schaltenbrand, G.** Hughlings Jackson. Münch. med. Wschr., 1936, 83: 146–9, portr.—**Taylor, J.** The wit of Hughlings Jackson. Lancet, Lond., 1935, 1: 963.—**Williamson-Noble, F. A.** Hughlings Jackson and the ophthalmoscope. Postgrad. M. J., Lond., 1935, 11: 163–6.—**Wilson, S. A. K.** The Hughlings Jackson centenary. Lancet, Lond., 1935, 1: 882, portr.

For portrait see Med. Classics, 1938–39, 3: front.

JACKSON, Josephine Agnes, 1865—, & **SALISBURY, Helen M.** Outwitting our nerves; a primer of psychotherapy. 2. ed. xv, 420p. 8°. N. Y., Century co [1932]

JACKSON, Margaret Nelson.
See **Roberts, H.**, & **Jackson, R. N.** The troubled mind. 284p. 8°. Lond. [1938]

JACKSON, Oliver Howard, 1871–1942.
For obituary see J. Am. M. Ass., 1942, 119: 1383.

JACKSON, Percival E. The law of cadavers and of burial and burial places. lxxv, 734p. 8°. N. Y., Prentice-Hall, 1936.

JACKSON, R. Clay. The cause and control of sex in human offspring. 205p. 8°. Tacoma, Wash. [The Author] 1926.

JACKSON, R. E.
[Editor of Contemporary problems of theoretical medicine] T. 1. 184p. 21½cm. Moskva, 1936.

JACKSON, Ralph Wentworth, 1869–1927.
For obituary see Boston M. & S. J., 1927, 196: 929. Also J. Am. M. Ass., 1927, 88: 1982.

JACKSON, Reginald Henry, sr., 1876–1939.
Payne, R. L. Obituary. Tr. South. Surg. Ass. (1939) 1940, 52: 475, portr. Also Ann. Surg., 1940, 111: 909, portr.—**Schmidt, E. R.** [Obituary] Tr. West. Surg. Ass. (1939) 1940, 49: 524, portr.

JACKSON, Robert Laurence, 1909—
Rheumatic fever in children, instructions for parents. 4 l. 21½cm. Iowa City, Children's Hosp., 1941.

JACKSON, Robert Tracy, 1861— Mexican fossil Echini. p.227–37. 4 pl. 8°. Wash., D. C., 1937.

Forms No. 3015, v.84, Proc. U. S. Nat. Mus.

JACKSON, Samuel, 1787–1872.
For biography see in First Century (Philadelphia Coll. Pharm.) Phila., 1922, 396, portr. Also **Middleton, W. S.** [Biography] Ann. M. Hist., 1935, 7: 538–49, portr.

JACKSON, Sylvia.
See **Lyle, R.**, & **Jackson, R.** Practical orthoptics in the treatment of squint. 211p. 8° Lond., 1937.

JACKSON, Thomas Jonathan, 1824–63.
Camerer, C. B. The last days of Stonewall Jackson. Mil. Surgeon, Wash., 1936, 78: 135–40.

JACKSON, William W., 1863–1935.
For obituary see J. Arkansas M. Soc., 1935–36, 32: 89.

JACKSON, La. East Louisiana State Hospital. Biennial report of the Board of Administrators. Jackson, 22. (1912/14) 1914—

JACKSON, Mich.

See under Health organization.
JACKSON County medical journal. Kansas City, Mo., 28: 1934—

JACKSON County Medical Society.

Constitution and by-laws, Jackson County medical society. Jackson Co. M. J., 1936, 30: 106–19.—**Stewart, E. L.** An abridged history of the Jackson County Medical Society of Missouri. Week. Bull. Jackson Co. M. Soc., 1942–43, 37: 148; passim.

JACKSONIAN epilepsy.

See under Epilepsy.
JACKSON Memorial Hospital.
See under Miami, Fla.

JACKSON syndrome.

See Hemiplegia, Bulbar syndromes: Jackson.

JACKSONVILLE, Fla.

See under Health organization.

JACKSTONE.

See subdivision Foreign body under Bronchus; Esophagus; Trachea.

JACME, Joan, —1384. Perutilis tractatus de pestilentia. 12 l. 4°. [Augsb., Johann Keller, ca 1480]

Simon de Guilleuma, J. M. Noticia historica dels ophthalmologs de Catalunya fins a la fi de la XIV^a centuria, i en especial de la vida i de les obres de mestre Joan Jacme. In Alcoati, Libre de la figura del Uyl (Ibn Harith) Barcelona, 1933, 29–38.

JACOB, Adeline, 1895— *Ernährung kranker Säuglinge im ersten Lebensquartal mit Buttermilch. 27p. 8°. Gött., E. A. Huth, 1920.

JACOB, André, 1908— *Réflexions critiques sur l'ulcère digestif expérimental et humain, et sur son traitement par l'histidine. 74p. 8°. Strasb., Ed. Univ. Strasb., 1935.

JACOB, Anna Gertrude, 1872- *Personal hygiene. Pen sketches by Anna M. Cowlin. 294p. 8°. Bost., Christopher pub. house, 1928.

JACOB, Annaliese [Dorothea Margarete] 1900- *Ueber die Natur der Chromatophoren im Pigmentnaevus; Versuch einer Kritik. 30p. 8°. Würzb., C. J. Becker, 1927.

JACOB, Anneliese, 1910- *Lues und Schwangerschaft [Kiel] 14p. 23cm. Halle (Saale) E. Klinz, 1937.

JACOB, Arthur, 1790-1874.

James, R. R. Arthur Jacob, 1790-1874. Brit. J. Ophth., 1927, 11: 257-63, portr.

JACOB, Avram, 1909- *Sur cent cas de troubles digestifs du nourrisson traités par la transfusion sanguine. 63p. 8°. Par., Studio, 1937.

JACOB, David [M. D., 1936, Basel] *Ueber die Einwirkung der Synovialflüssigkeit auf den Knochen. 12p. 8°. Basel, Haupt, 1936.

JACOB, Ernest Fraser.

See Crump, C. G., & Jacob, E. F., eds. The legacy of the Middle Ages. 549p. 19cm. Oxf., 1938.

JACOB, Elizabeth, 1903- *Du rôle du sympathique dans la genèse de quelques troubles fonctionnels; contribution à l'étude du mécanisme et du traitement de ces troubles en pathologie mentale. 131p. 8°. Par., Jouve & cie, 1933.

JACOB, Erich, 1910- *Ueber die Tuberkulose der weiblichen Geschlechtsorgane des Rindes an Hand pathologisch-anatomischer Untersuchungen am Schlachthof zu Giessen. 52p. 3 pl. 8°. Giessen, Nitschkowski, 1936.

JACOB, Ernst, 1897- *Experimentelle Untersuchungen zur Kenntnis des Vibrations-sinnes der Zähne. 32p. pl. 8°. Bonn, H. Trapp, 1928.

JACOB, Frederick Murray, 1892-

For portrait see Nu Sigma Nu Bull., 1940-41, 30: 48; 1942, 31: 38.

JACOB, Gerhard, 1909- *Kritische Betrachtungen und Untersuchungen zum Problem der prophylaktischen Zahnpflege, mit besonderer Berücksichtigung der Naeslund'schen Veröffentlichungen [Münster] 31p. 8°. Quakenbrück, R. Kleinert, 1932.

JACOB, Gerhard, 1911- *Die Blutsenkungsgeschwindigkeit bei Nephrosklerosen und chronischen Nephritiden. 16p. 21cm. Halle (Saale) W. Kersten, 1937.

JACOB, Gertrud, 1893-1940. *Experimentelle Veränderungen des reticulo-endothelialen Systems durch Infektionserreger [Kiel] p.652-69. 8°. Berl., J. Springer, 1925.

Also in Zschr. ges. exp. Med., 47:

See also Bullard, D. M. Obituary. Psychiatry, Balt., 1940, 3: 175.—Fromm-Reichmann, F. In memoriam. Psychoanal. Q., 1940, 9: 546-8, pl.—Obituary. Bull. Menninger Clin., 1940, 4: 131.

JACOB, Hans. *Die Wirkung physikalischer und chemischer Mittel auf die gruppenspezifischen Eigenschaften des menschlichen Samens. 25p. 8°. Bresl., K. Vater, 1933.

JACOB, Hans, 1907- *Diffuse melanotische Geschwulstbildungen der weichen Hirnhäute. p.167-87. 8°. Lpz., A. Hoffmann, 1934

Also Deut. Zschr. Nervenhe., 1933-34, 133:

JACOB, Heinz, 1914- *Ueber familiäre multiple cartilaginäre Exostosen und multiple Chondrome [Zürich] 32p. 2 pl. 24cm. Schramberg (Schwarzwald) Gatzert & Hahn, 1939.

JACOB, Heinz [Kurt Günter] 1910- *Die Häufigkeit und das Erscheinungsbild des Boeck'schen Sarcoids an Hand des Krankenguts der Universitäts-Hautklinik in Breslau. 40p. 8°. Bresl., K. Klossok, 1938.

JACOB, Herbert, 1908- *Kaudruckmessung unter besonderer Berücksichtigung der Frage: Ist der Kaudruckmesser nach Haber als zuverlässig zu erachten? 78p. 8°. Würzb., 1931.

JACOB, Herbert, 1912- *Erfahrungen mit der Tuberkulose-Reaktion nach Meinicke. 18p. 8°. Tüb., A. Becht, 1937.

JACOB, Ilse, 1910- *Die Bedeutung der Blutdepots für den Kreislauf [München] 35p. 21cm. Tüb., Böhlze, 1937.

JACOB, Johannes [Albert Friedrich] 1909-

*Ueber die Behandlung des Tetanus mit Avertin [Jena] 24p. 8°. Berl., H. Michel, 1934.

JACOB, Josefa, 1898- *Zur Symptomatologie der Hysterie. 13p. 8°. Kiel, W. Starke, 1926.

JACOB, Joseph Simeon. A comparative study of the incidence of insanity among Negroes and Whites. 77p. tab. 23cm. Athens [Univ. of Georgia] 1938.

Forms No. 14 of Phelps-Stokes Fellow. Stud., Univ. Georgia.

JACOB, Lucien, 1913- *L'abatage des animaux de boucherie et de charouterie. 60p. 8°. Lyon, Bosc fr., 1937.

JACOB, M., 1879-1943.

For obituary see J. Am. Vet. M. Ass., 1943, 102: 305, portr.

JACOB, Martha, 1899- *Bradykardie [Berlin] 27p. 8°. Charlottenb., Gebr. Hoffmann, 1932.

JACOB, Naomi Ellington, 1889- The beloved physician. 317p. 8°. Lond., T. Butterworth [1930]

JACOB, Octave, 1867-

See Testut, L., & Jacob, O. Précis d'anatomie topographique avec applications médico-chirurgicales. 9. éd. 8°. Paris, 1930.

Also editor of Val-de-Grâce, France. Musée du Val-de-Grâce. Iconographie... 2v. 32½cm. Par., 1918-26.

JACOB, Paul, 1871- & PANNWITZ, Gotthold. Entstehung und Bekämpfung der Lungentuberkulose; auf Grund ihrer in den deutschen Lungenheilstätten angestellten Sammelforschung. Bd 2: Bekämpfung der Lungentuberkulose. x, 457p. map. 8°. Lpz., G. Thieme, 1902.

JACOB, Paul, 1913- *Quarante observations de néphropathies gravidiques; essai de classification, éléments de pronostic. 91p. 25½cm. Lyon, Bosc fr., 1938.

JACOB, Pierre. Maladies de l'appareil respiratoire. 232p. 8 pl. 8°. Paris, Librairie Larousse [1932]

JACOB, Rudolf, 1902-

*Von welcher Dosierung an treten bei der Radiumbestrahlung Schädigungen von Darm und Blase auf? 15p. 8°. Berl., H. & H. Kampmann, 1927.

JACOB, Walter, 1896- *Zur Statistik des Morphinismus in der Vor- und Nachkriegszeit. 36p. 8°. Bonn, H. Trapp, 1925.

JACOB, Walter, 1904- *Ueber das Zusammentreffen von Tubargravidität und akuter Salpingitis [Breslau] 13p. 22½cm. Würzb., K. Triltsch, 1937.

JACOB, Walter, 1910- *Adiponecrosis subcutanea neonatorum; ihre Klinik und Ätiologie. 23p. 23cm. Berl., P. Brandel, 1937.

JACOB, Werner, 1902- *Ueber das Labyrinth der Pleuronektiden [Kiel] p.523-74. 8°. Jena, Fischer, 1928.

Also Zool. Jahrb., 1927-28, 44:

JACOBABEUS, Hans Christian, 1879-1937.

Björkman, S. [Obituary] Sven. läk. tidn., 1937, 34: 1561-5.—Ehrström, R. [Obituary] Fin. läk. säll. hand., 1938, 81: 1-8, portr.—Hanssen, O. [Obituary] Norsk. mag. lægevid., 1937, 98: 1550-2, portr.—Ingvar, S. Obituary. Acta med

- scand., 1937-38, 93: 499-504, portr.—Neander, G. Nekrolog. Acta tuberc. scand., 1938, 12: p. i-viii.—[Obituary] Fin. läk. säll. hand., 1937, 80: 895. Also Hygiea, Stockh. 1937, 99: 785-96, portr. Also J. Am. M. Ass., 1937, 109: 1733.—Wallgren, A. Nekrolog. Deut. med. Wschr., 1938, 64: 170.
- JACOBE, Emile, 1895—***Un interement sous le grand roi, Loménie de Brienne à St-Lazare. 76p. 8°. Par., Ed. Rev. path. comp., 1929.
- JACOBEE, Cyrille, 1912—***Etude sur les méningites à staphylocoques. 76p. 25½cm. Par., L. Arnette, 1939.
- JACOBELLI, A.** Risposta di confutazione alla dichiarazione del direttore del Morgagni sopra l'atmiometro. 16p. 22½cm. Nap., Irde, 1884.
- JACOBI, Abraham, 1830-1919.** Medical science on the side of alcohol. 7p. 16°. N. Y., 1917.
See also Flint, G. E. The whole truth about alcohol. 294p. 8°. N. Y., 1919.
For biography see Clin. M. & S., 1927, 34: 91 portr. Also Roche Rev., Nutley, 1939-40, 4: 301, portr.—Kagan, S. R. [Biography] Hebrew M. J., N. Y., 1938, 1: 184-9, portr. Also Med. Rec., N. Y., 1939, 149: 227-9. Also in his Am. Jewish Physicians, Bost., 1942, 12, portr.—Robinson, V. The life of A. Jacobi. Med. Life, 1928, 35: 213; 261, portr.
See also Abt, I. A. Abraham Jacobi. In Med. Leaves (J. C. Beck) Chic., 1937, 11-3.—Dedication of the Abraham Jacobi-Carl Schurz Memorial Park. Am. J. Dis. Child., 1936, 52: 916-35.—Martinez Vargas [Necrologia] Med. niños, 1919, 20: 193-6.—Richdorf, L. F. [Obituary] J. Lancet, 1930, 50: 475-8.
For portrait see Collection in Library. Also Hebrew M. J., N. Y., 1938, 1: 188. Also J. Mount Sinai Hosp. N. York, 1942-43, 9: 178.
- JACOBI, Arnold Friedrich Victor, 1870—**Das Rentier. 264p. 6 pl. 8°. Lpz. [n. p.] 1931. Forms Ergänzb. 96, Zool. Anz.
- JACOBI, Bernhard, 1912—***Schwankungen des tatsächlichen Geburtstermins bei Berechnung nach der letzten Periode [Jena] 19p. 21cm. Würzb., K. Triltsch, 1937.
- JACOBI, Dorothea [Luise Karoline Marie] 1898—***Ueber freie Blutung in die Bauchhöhle bei Uterusmyomen. 20p. 8°. Berl., E. Ebering, 1929.
- JACOBI, Eduard, 1862-1915.** Portfolio of dermochromes; English adaptation of text by J. J. Pringle. 2. rev. & enl. ed., v.1, xii, 82p. 42 pl. 27cm. N. Y., Rehnman co., 1905.
—Supplement zum Atlas der Hautkrankheiten mit Einschluss der wichtigsten venerischen Erkrankungen. v, 205p. 40 pl. 8°. N. Y., Rehnman co. [1907]
—& PRINGLE, J. J. Jacobi's atlas of dermochromes; with English text by Henry MacCormac. 4. ed. 2v. pl. 8°. S. Louis, C. V. Mosby co., 1931.
- JACOBI, Eduard, & ZIELER, Karl.** Atlas der Hautkrankheiten mit Einschluss der wichtigsten geschlechtlichen Erkrankungen für praktische Aerzte und Studierende. 7. Aufl. xv, 157p. pl. 4°. Berl., Urban & Schwarzenberg, 1920.
- JACOBI, Georg, 1906—***Ueber Zahn- und Kieferanomalien bei angeborenen Geisteskrankheiten; ein Beitrag zu Geistesranke und Gebiss. 43p. 8°. Erlangen, F. Weissmann, 1931.
- JACOBI, Gerhard, 1912—***Ueber die Rezidive nach Leisten- und Schenkelbruchoperationen sowie ihre Behandlung. 25p. 23cm. Berl., R. Pfau, 1938.
- JACOBI, Hans, 1905—***Ueber die Schwefelung von getrockneten Früchten; ein Beitrag zur Toxikologie der schwefeligen Säure. 15p. 8°. Würzb., Giessmann & Bartsch, 1930.
- JACOBI [Heinz] Gerald, 1908—***Ueber Verbrennungen [Leipzig] 35p. 8°. Zeulenroda-Thür., A. Oberreuter, 1934.
- JACOBI, Helmut, 1913—***Das Problem der Hartlötung von Wipla-Metall und Vitallium. 40p. 23cm. Lpz., A. Edelmann, 1937.
- JACOBI, Herbert, 1909—***Untersuchungen über das Verhalten des Melanophoren-hormons im Blut nach Applikation von Adrenalin wie Nebennierenrindenhormon [Rostock] 11p. 8°. Grimmen, Grimmer Kreis-Zeitung, 1935.
- JACOBI, Horst, 1906—***Kraftleistung der Kiefer. 21p. 8°. Marb., J. Hamel, 1932.
- JACOBI, Hubert, 1888—***Ueber Röntgensschädigungen nach diagnostischen Röntgenmassnahmen [Marburg] 24p. 8°. Marb., Kurhess. Verldr., 1926.
- JACOBI, Jacob, 1898—***Ueber Purpura annularis teleangiectodes Majocchi unter Berücksichtigung eines Falles [Marburg] 20p. 8°. Kirchhain, J. Schröder, 1927.
- JACOBI, Johannes.**
See Jacme, Joan.
- JACOBI, Johan.** The psychology of C. G. Jung. 2. ed. xi, 169p. diagr. 8 pl. 23cm. Lond., K. Paul, Trench, Trubner & co. [1943]
- JACOBI, Josef, 1900—***Ein Beitrag zur Erforschung der Ursachen und zur Bekämpfung der Trunksucht. 60p. 8°. Bonn, P. Kubens, 1927.
- JACOBI, Karl Wigand Maximilian, 1775-1858.** HERTING, J. Carl Wigand Maximilian Jacobi, ein deutscher Arzt. 218p. 8°. Görlitz, 1930.
Campbell, C. M. Karl Wigand Maximilian Jacobi. Collect. Lect. Metrop. State Hosp., Waltham, 1942, 7: pt. 2, 18.
- JACOBI, Kurt, 1904—***Indikation und Prognose der Zange; die Zangen Geburten des Allerheiligen-Hospitals zu Breslau in den Jahren 1921-28. 24p. 8°. Bresl., Quader, 1929.
- JACOBI, Mary Corinna Putnam, 1842-1906.**
For biography see in Coll. Pharm. N. York (Wimmer, C. P.) N. Y., 1929, 57-60, portr.
See also Daniel, A. S. Dr Mary Corinna Putnam Jacobi, author, teacher. Med. Woman J., 1941, 48: 197-9.—Mary Putnam Jacobi fellowship fund. Women in Med., 1941, No. 71, 18, portr.—Robinson, V. Mary Putnam Jacobi. Med. Life, 1928, 35: 334-53, portr.
- JACOBI [Richard Leopold] Siegfried, 1911—***Die Linksverlagerung des Coecums und totale Dickdarmresektion. 24p. 21cm. Strasb., A. Kobisch, 1938.
- JACOBI, Ruth, 1908—***Ueber das Syndrom von Marcus Gunn [Basel] 20p. 8°. Siegen i. W. [n. p.] 1934.
- JACOBI, Thea [M. D., 1937, Basel]** *Ein Beitrag zur Kenntnis der erworbenen haemolytischen Ikterus [Basel] 34p. 22cm. Münch., Heller, 1937.
- JACOBI, Ulrich, 1910—***Hernien im Greisenalter nach dem Material der Leipziger Chirurgischen Universitäts-Klinik in den Jahren 1931 bis 1935 [Leipzig] 23p. 23½cm. Zeulenroda i. Thür., A. Oberreuter, 1937.
- JACOBI, Walter, 1889—**Psychiatrie und Weltanschauung; ein Beitrag zur Kultur der Gegenwart. 91p. 8°. Berl., S. Karger, 1929.
Forms H. 51, Abh. Neur. Psychiat.
- LOHR, Wilhelm, & WUSTMANN, Otto. Ueber die Darstellung des zentralen und peripheren Nervensystems im Röntgenbild. 44p. illust. diagr. 8°. Lpz., J. A. Barth, 1934.
- JACOBI, Wilhelm, 1906—***Beschreibung eines Falles von Cylindrom der Haut mit besonderer Berücksichtigung der Herkunft des Hyalins. 19p. 8°. Münster [n. p.] 1933.
- JACOBI, Wilhelm, 1914—***Ueber die Therapie der Zungenabscesse [Göttingen] 28p. 21cm. Weende-Gött., F. Pieper, 1937.

JACOBIUS, Leonhard, 1912– *Beiträge zur Aetiologie und Therapie der Spondylarthritis ankylopoetica (Marie-Strümpell-Bechterew'schen Erkrankung) 20p. 8°. Berl., P. Brandel [1938]

JACOBOWICZ, Ernst, 1900– *Zur Casuistik des Erbganges der Schizophrenien; ein Fall psychotischer Erkrankungen in drei aufeinanderfolgenden Generationen. 37p. 8°. Berl. [n. p.] 1931.

JACOBOWITZ, Kurt, 1901– *Ueber einen Fall von Ostitis fibrosa des Oberkiefers. 22p. 8°. Bresl., A. Schreiber, 1933.

JACOBOWITZ, Siegfried, 1901– *Ueber Tuberkulose der Schilddrüse. 14p. 8°. Heidelb. [n. p.] 1928.

JACOBOWSKI, Hans [Kurt] 1909– *Hat sich das Bild der Lues verändert? [Frankfurt] 32p. 3 tab. 8°. Würzb., R. Mayr, 1934.

JACOBOWSKY, Bernhard Jacob, 1893– *Liquorstudien bei progressiver Paralyse; mit besonderer Berücksichtigung der Veränderungen während der Impimalaria. 206p. 8°. Upps., Almqvist & Wiksell, 1929.

JACOBS, A. L.
Translator of *Ustvedt, H. J. Pulmonary tuberculosis and its treatment.* 252p. 22cm. Lond., 1942.

JACOBS, Aletta Henriëtte, 1854–
Holland's pioneer woman doctor [autobiography] Med. Woman J., 1928, 35: 257–9.

JACOBS, Archer Clinton, 1852–1939.
For obituary see *Minnesota M.*, 1939, 22: 559.

JACOBS, Carl. Arzttum in Not; Betrachtungen über die Krisis im Arztstand. 136p. 8°. Lpz., F. C. W. Vogel, 1929.

JACOBS, Charles Michael, 1875– Doctor, tell me! 96p. 8°. Springf., Mass., Vieta pub. co. [1930]

JACOBS, Cornel, 1905– *Ueber Epilepsie und Schwangerschaft; zugleich ein Beitrag zur Frage des Status epilepticus. 45p. 8°. Bonn, P. Kubens, 1930.

JACOBS, Dietrich, 1906– *Ueber die Schwellenkonzentration des Adrenalins an der menschlichen Haut [Bonn] p.195–206. 23½cm. Würzb., H. Stürtz, 1936.

Also *Zschr. ges. exp. Med.*, 1936, 99:

JACOBS, Edwin, 1908– *Der Herinaphroditismus masculinus externus in seiner Bedeutung für die chirurgische Diagnostik; eine klinische und entwicklungsgeschichtliche Studie [Münster] 37p. pl. 22cm. Würzb., R. Mayr, 1934.

JACOBS, Franz [M. D., 1934, Bonn] *Das Narcosan als Hilfsmittel bei der Morphinum-Entziehung. 29p. 8°. Bonn, H. Schönershoven, 1934.

JACOBS, Georg, 1912– *Ueber Karieshäufigkeit mit besonderer Berücksichtigung der Milchzahnkaries einerseits; der kariösen Prozesse der Nachfolger andererseits; Untersuchungen von 1496 Schulkindern im Landkreise Siegen, Westfalen [Göttingen] 31p. 8°. Einbeck, W. Specht, 1936.

JACOBS, H. H.
See *Hildebrand, I., & Jacobs, H. H. Protests against medical tyranny and vivisectional medicines.* 12p. 8°. N. Y. [192–]

JACOBS, Helmut, 1910– *Zur Pathogenese und Aetiologie des Adenoma sebaceum (Morbus Pringle) 30p. 8°. Freib., K. Henn, 1934.

JACOBS, Henry Barton, 1858–1939.
Viets, H. R. Biography. *Bull. Hist. M.*, 1940, 8: 1073–8, portr.

For portrait see Collection in Library.

JACOBS, Joseph, 1859–
For biography see in *First Century (Philadelphia Coll. Pharm.) Phila.*, 1922, 243, portr.

JACOBS, Max William, 1879–1942.

Mason, R. E. [Obituary] *Week. Bull. S. Louis M. Soc.*, 1941–42, 36: 434, portr.

JACOBS, Merkel Henry, 1884–

For portrait see Collection in Library.

JACOBS, Morris Boris [Ph. D., 1931, New York Univ.] The chemical analysis of foods and food products. xxii, 537p. illust. tab. 23½cm. N. Y., D. Van Nostrand co., 1938.

— The analytical chemistry of industrial poisons, hazards and solvents. xviii, 661p. illust. tab. diagr. 23½cm. N. Y., Interscience Pub., 1941.

— War gases, their identification and decontamination. xiii, 180p. tab. diagr. 24cm. N. Y., Interscience Pub., 1942.

JACOBS, Paul Friedrich, 1908– *Diagnose und Therapie der Prostatacarcinome. 31p. 23cm. Greifswald, H. Adler, 1938.

JACOBS, Peter, 1909– *Schädigungen des Parodontiums durch überstehende Füllungen. 28p. 21cm. Bonn, A. Brand, 1936.

JACOBS, Philip Peter, 1879– The control of tuberculosis in the United States. viii, 407p. 8°. N. Y., Nat. Tuberc. Ass., 1932. Also rev. ed. 387p. diagr. 23½cm. 1940.

Also compiler of [United States] National Tuberculosis Association. A tuberculosis directory. 331p. 24cm. N. Y., 1911.

See also *Pattison, H. A., & Jacobs, P. P. Sheltered employment.* 8°. New York, 1927.

For portrait see Collection in Library.

JACOBS, Randall R., 1885– [Biography] *Current Biogr.*, N. Y., 1942, 3: No. 8, 24, portr.

JACOBS, Robert, 1905– *Ueber die biologische Indikation des Zahnersatzes [Bonn] 46p. 8°. Bonn, P. Kubens, 1930

JACOBS, S. Nicholas, 1884–
Kagan, S. R. S. Nicholas Jacobs. In his *Am. Jewish Physicians*, Bost., 1942, 96.

JACOBS, Theodor, 1897– *Ueber einen Fall von Unterkieferkrebs beim Hunde [Rostock] 19p. 8°. Burgdorf, W. Rumpeltn, 1932.

JACOBS, Werner, 1901– Repetitorium der Zoologie für Mediziner. vi, 217p. illust. 8°. Münch., R. Müller & Steinicke, 1938.

JACOBSEN, Aage Thune, 1875– Bidrag til studiet af paranoiaen og de paranoiske sygdomsformer med særligt henblik paa ætiologi og genese. 196p. 8°. Kbh., M. P. Madsen, 1921.

— Undersøgelser over blodsukkerindholdet hos normale og ved diabetes mellitus. 205p. tab. diagr. 25½cm. Kbh. [Gyldendal] 1917.

JACOBSEN, Carlyle Ferdinand, 1902–
ELDER, James H., & HASLERUD, G. M. Studies of cerebral function in primates. 68p. illust. tab. 25½cm. Balt., Johns Hopkins Press [1936]

Forms No. 63, v.13, Comp. Psychol. Monogr.

JACOBSEN, Carlyle F., JACOBSEN, Marion M., & YOSHIOKA, Joseph G. Development of an infant chimpanzee during her first year. 94p. illust. tab. diagr. 25½cm. Balt., Johns Hopkins Press, 1932.

Forms No. 41, v.9, Comp. Psychol. Monogr.

JACOBSEN, Einar, 1898–
Portrait. In *Norges læger (Kobro, I.) Oslo*, 1927, Suppl., 167.

JACOBSEN, Frits, 1868–1937.
Rud, H. [Obituary] *Hospitalstidende*, 1938, 81: 23.

JACOBSEN, Gerhard Emil, 1899–
Portrait. In *Norges læger (Kobro, I.) Oslo*, 1927, Suppl., 168.

JACOBSEN, Hans August, 1856–
Portrait. In *Norges læger (Kobro, I.) Krist.*, 1915, 1: 588.

- JACOBSEN, Jules**, —1933.
For obituary see *Ann. Soc. sc. méd. nat., Brux.*, 1933, 247.
- JACOBSEN, Ludvig Levin**, 1783–1843.
Schmiegelow, E. [Anatomist, physician, researcher in natural sciences] *Nord. med.*, 1940, 5: 499–511.
- JACOBSEN, Marion M.**
See **Jacobsen, C. F., Jacobsen, M. M., & Yoshioka, J. G.**
Development of an infant chimpanzee during her first year. 94p. 25½cm. Balt., 1932.
- JACOBSEN, Martin Julius**, 1865–
Portrait. In *Norges laeger* (Kobro, I.) *Krist.*, 1915, 1: 589.
- JACOBSEN, Nicolay Anton**, 1858–
Portrait. In *Norges laeger* (Kobro, I.) *Krist.*, 1915, 1: 589.
- JACOBSEN, Niels Lauritz Severin**, 1811–71.
Portrait. In *Norges laeger* (Kobro, I.) *Krist.*, 1915, 1: 590.
- JACOBSEN, Olaf**, 1910– *Zur Behandlung der geschlossenen Schädelbrüche [Kiel] 25p. 21½cm. Würzb., K. Triltsch, 1938.
- JACOBSEN, Victor Clarence**, 1891–
For portrait see *Nu Sigma Nu Bull.*, 1940–41, 30: 140; 1942, 31: 139.
- JACOBSEN, Virginia Budd & DAINES, Lyman Luther**. The strange adventures of Jimmy Microbe. 95p. illust. 8°. [Salt Lake City, Univ. Utah, 1934]
- JACOBSEN, Walter**, 1910– *Dauerresultate der chirurgischen Behandlung des Magengeschwürs [Kiel] 72p. 8°. Altona-Elbe, Kahl & Domms, 1936.
- JACOBSEN y Canto, Joaquín**, 1862–1934.
Biografía. *Rev. méd. cubana*, 1935, 46: 1183–5, portr.
- JACOBSHAGEN, Eduard**, 1886– Mittel- und Enddarm (Rumpfdarm) p.563–724. illust. 8°. Berl., Urban & Schwarzenberg, 1937.
In *Handb. vergl. Anat.* (Bolk, L., et al.) Berl., 1937, 3:
- JACOBSON, Ernst** [M. D., 1927, Göttingen] *Durchbrüche von Aneurysmen in den Magendarmkanal; ein Beitrag zur Klinik der lebensbedrohlichen intestinalen Blutungen [Göttingen] 31p. 8°. Hötter, C. D. Flotho, 1927.
- JACOBSON, Franz**, 1907– *Versuche mit Brotfütterung zur Erzeugung einer Keratomalacie bei Ratten und deren therapeutische Beeinflussung durch Import-Bananen. 23p. 8°. Berl. [n. p.] 1932.
- JACOBSON, Friedrich**, 1894–
See **Buschke, A., & Jacobson, F.** Geschlechtsleben und sexuelle Hygiene. 226p. 8°. Berl., 1932.
- JACOBSON, Gerhard**, 1910– *Die Bechterewsche Krankheit bei Jugendlichen. 34p. 8°. Berl., B. Levy, 1935.
- JACOBSON, Herbert**, 1905– *Das Halsrippensyndrom und seine chirurgische Behandlung. p.398–416. 8°. Berl., J. Springer, 1930.
Also in *Arch. klin. Chir.*, 1930, 161:
- JACOBSON, Léon**, 1909– *Contribution à l'étude de la mythomanie simple. 58p. 8°. Par., M. Lavergne, 1936.
- JACOBSON, Annemarie**, 1909– *Ueber Kalkgicht an Hand von 3 Beobachtungen. 35p. 8°. Zür., Fluntern, 1934.
- JACOBSON, Arthur Clarence**, 1872– Genius; some revelations. 160p. 8°. N. Y., Greenburg [1926]
- JACOBSON, Bernhard Maxwell**, 1904– Lowered basal metabolism; its causes and clinical significance. 40p. 8°. Providence, Snow & Farnham co., 1931.
- JACOBSON, Clara**, 1887– *Der gegenwärtige Stand der Physiologie der Nebenschilddrüsen [Chicago] p.180–211. 8°. Münch. [n. p.] 1924.
Also *Erg. Physiol.*, 1925, 23:
- JACOBSON, Daniel Eduard**, 1861–1939.
Brüel, O. [Obituary] *Ugeskr. laeger*, 1939, 101: 1429–
Jørgensen, C. [Obituary] *Nord. med.*, 1940, 5: 45.

JACOBSON, Edmund, 1888– Progressive relaxation; a physiological and clinical investigation of muscular states and their significance in psychology and medical practice. xiii, 428p. 8°. Chic., Univ. Chicago pr. [1929]

— The same [Rev. ed.] xvii, 493p. illust. diags. [1938]

— You must relax; a practical method of reducing the strains of modern living. xv, 201p. pl. 8°. N. Y., Whittlesey House, 1934.

— The same. Rev. ed. xix, 261p. 16 pl. 19½cm. [1942]

— You can sleep well; the A B C's of restful sleep for the average person. 2. print. xix, 269p. pl. diagr. 21cm. N. Y., McGraw-Hill co. [1938]

JACOBSON, Ernst Ludwig Harthern 1884– Lili Elbe; ein Mensch wechselt sein Geschlecht; eine Lebensbeichte; aus hinterlassenen Papieren, hrsg. von Niels Hoyer [pseud.] 252p. pl. portr. 8°. Dresd., C. Reissner, 1932.

— The same. Man into woman; an authentic record of a change of sex; the true story of the miraculous transformation of the Danish painter, Einar Wegener (Andreas Sparre) Transl. from the German by H. J. Stenning. 288p. pl. portr. 8°. N. Y. [1933]

JACOBSON, Harry Pincus, 1888– Fungous diseases; a clinico-mycological text. 317p. illust. 8°. Springf., Ill., C. C Thomas, 1932.

For biography see **Kagan, S. R.** Harry P. Jacobson. In *his Am. Jewish Physicians*, Bost., 1942, 124.

JACOBSON, J. Le traitement du trachome par l'éther benzyl-cinnamique. 71p. pl. 8°. Par., J. B. Baillière, 1932.

JACOBSON, Julius, 1828–89. Erinnerungen an Albrecht von Graefe, zu seinem 25. Todestage, zusammengestellt aus Werken und Briefen J. Jacobson's; mit elf Graefe'schen Briefen als Beilage. 93p. 8°. Königsb., W. Koch, 1895.

JACOBSON, Ludvig, 1783–1843.
Hansen, A. [Biography] *Nord. med.*, 1941, 12: 3051, portr.

JACOBSON, Nathan, 1857–1913.
Kagan, S. R. [Biography] *Med. Life*, 1934, 41: 619.

JACOBSON, Walter Hamilton Acland, 1847–1924. The operations of surgery. 6. ed. Ed. by R. P. Rowlands and Philip Turner. 2v. 1030p.; 934p. illust. 8°. N. Y., Macmillan co., 1915.

JACOBSON'S nerve.

See **Tympanic nerve**.

JACOBSON'S organ.

See also **Nose; Olfactory organ; Smell**.

Addison, W. H. F., & Rademaker, L. A. The postnatal growth of the vomeronasal organ of the albino rat (*Mus norvegicus albinus*) *J. Comp. Neur.*, 1927, 44: 69–86.—
Bellairs, A. Observations on Jacobson's organ and its innervation in *Vipera berus*. *J. Anat., Lond.*, 1941–42, 76: 167–77.—
Borghese, E. Considerazioni sull'organo di Jacobson nell'uomo. *Monit. zool. ital.*, 1933, 44: 153–8.—**Fujii, M.** Studien über die Entwicklung des Jacobson'schen Organs von Säugern. *Jap. J. M. Sc.*, 1940, 8: *Anat. Proc.*, 49.—**Giannelli, L.** Sopra una particolarità vascolare dell'organo di Jacobson negli embrioni di alcuni mammiferi e sulla formazione che nell'uomo può dirsi omologa all'organo di Jacobson. *Monit. zool. ital.*, 1932, 43: 64–77.—**Hamlin, H. E.** Working mechanisms for the liquid and gaseous intake and output of the Jacobson's organ. *Am. J. Physiol.*, 1929, 91: 201–5.—**Kelemen, G.** [Anterior bilateral obstruction of the nose from cyst of the Jacobson organ] *Budapesti orv. ujs.*, 1933, 31: 801–3.—**Kolmer, W.** Kapillaren im Epithel des Jacobson'schen Organs und einige andere Beziehungen von Gefässen zum Epithel. *Anat. Anz.*, 1928, 65: 321–7.—**Milstein, T.** Sur la physiologie de l'organe de Jacobson. *Rev. laryng.*, Par., 1929, 50: 705–12. Also *Zschr. Hals & c. Heilk.*, 1929, 23: 18–28.—**Navratil, D.** Ueber das Jacobson'sche Organ der Wirbeltiere. *Zschr. ges. Anat.*, 1. Abt., 1926, 81: 648–56.—**Pearlman, S. J.** Jacobson's organ (its gross, microscopic and comparative anatomy, with some observations on its function) *Tr. Am. Laryng. Ass.*, 1934, 40:

201-30. Also *Ann. Otol. Rhinol.*, 1934, 43: 739-68.—**Richter, H.** Ein Beitrag zur Frage des Vorhandenseins des Jacobson'schen Organs beim Menschen und zur Histologie seiner näheren Umgebung. *Zschr. Laryng.*, 1931-32, 22: 193-200, pl.—**Simonetta, B.** Decorso di tronchi nervosi nella compagine del neuroepitelio dell'organo di Jacobson. *Monit. zool. ital.*, 1931, 42: 147-50. — Origine e sviluppo del nervo terminale nei mammiferi; sua funzione e suoi rapporti con l'organo di Jacobson. *Zschr. ges. Anat.*, 1. Abt., 1932, 97: 425-63. — & **Magnoni, A.** Ricerche sulla presenza e sullo sviluppo del nervo terminale e dell'organo di Jacobson nei chiroterii. *Arch. ital. anat.*, 1939, 41: 343-56.—**Wilde, W. S.** The role of Jacobson's organ in the feeding reaction of the common garter snake, *Thamnophis sirtalis sirtalis* (Linn.). *J. Exp. Zool.*, 1937, 77: 445-64, pl.—**Zimmermann, A.** Zur vergleichenden Anatomie des Jacobson'schen Organs. *Verh. Anat. Ges.*, 1938, 45: 274.

JACOBSTHAL, Hans, 1910— *Zur Wehenzählung bei vorzeitigem und rechtzeitigem Blasensprung [Berlin] 56p. 23cm. Charlottenb., K. & R. Hoffmann, 1937.

JACOBUS, Lawrence Russel, 1898—
For biography see in *Biogr. Encycl. World*, 2. ed., N. Y., 1942, 213.

JACOBUS Foroliviensis [Giacomo della Torre]
See in 4. ser. *Da Forli, Jacopo*.

JACOBY, Arnold Leon, 1886-1927.
For obituary see *J. Am. M. Ass.*, 1927, 88: 1659.

JACOBY, Berta, 1905— *Zur Frage der abnormen Regulation des Säurebasengleichgewichtes bei Ulcuskranken; klinisch-experimentelle Untersuchung. 17p. 8° Berl. [n. p.] 1932.

JACOBY, Ernst, 1908— *Ueber karzinomatöse Uteruspolygonen [Basel] 31p. 8° Berl., P. Brandel, 1934.

JACOBY, Fritz, 1902— *Gangstudie bei Quadricepslähmung. 23p. 8° Berl., E. Ebering, 1926.

JACOBY, George Paul. Catholic child care in 19th century New York, with a correlated summary of public and Protestant child welfare. xiv, 266p. 23cm. Wash., Catholic Univ. America Press, 1941.

JACOBY, George W., 1856-1940. Physician, pastor and patient; problems in pastoral medicine. ix, 390p. pl. 8° N. Y., P. B. Hoeber, 1936.

For obituary see *J. Nerv. Ment. Dis.*, 1940, 92: 826, portr.

JACOBY, Guido, 1909— *Ueber den Mechanismus der Schwefelbäderwirkung [Münster] 15p. 8° Bottrop, W. Postberg, 1934.

JACOBY, Hanna, 1909— *Die bisherige Entwicklung der Apraxie-Lehre [Basel] 23p. 8° Berl., B. Levy, 1934.

JACOBY, Hans. Handschrift und Sexualität, mit 223 Schriftproben. 140p. 12 pl. 8° Berl., A. Marcus [1932]

JACOBY, Irma, 1902— *Ueber Harnblasendivertikel an Hand von 6 Fällen. 24p. 8° Giessen, O. Meyer, 1926.

JACOBY, Myron David, 1900— The sexual study of the male and female human body in color pictures. 35p. col. illust. 21½cm. N. Y., Cadillac pub. co., 1942.

JACOBY, Rudolph, 1890-1942.

For obituary see *J. Am. M. Ass.*, 1942, 120: 388.

For portrait see *Phi Chi Q.*, Menasha, 1939, 36: 347.

JACOME Valderrama, José Antonio. *Carbón bacteridiano en Santander [Bogotá] 120p. illust. pl. facs. tab. diagr. 24cm. Bucaramanga, Impr. del Departamento, 1940.

JACONET.

See also **Bandage; Cotton; Dressing.**

Jaconetum. *Pharm. J.*, Lond., 1943, 96: 130.

JACONO, Igino.

See **Castellani, A.**, & **Jacono, R.** *Manuale di clinica tropicale*. 999p. 8° Tor., 1937.

JACOT, Marc [M. D., 1915, Lausanne] *Glycogène, adrénaline et insuline*. 209p. 8° Par., Masson & cie, 1926.

See also **Portrait**. *Corps méd. Vaudois* (O. Lazard) Genève, 1937, 17.

JACOT, Pierre [M. D., 1935, Lausanne] *A propos de 56 narcoses à l'évipan-sodique [Lausanne] 33p. 8° Thonon-les-Bains, Soc. Ed. Savoyarde, 1935.

JACOWLEWA, Olga [M. D., 1899, Zürich] *Ueber die knotige kompensatorische Hypertrophie der Leber. 36p. 8° Zür., Polygraphisches Inst., 1899.

JACOWSKI, Geneviève, 1908— *Traitement des infections pulpaire et périapicales par l'ozone et les ozonides terpéniques. 96p. 24cm. Par., M. Vigné, 1938.

JACQ, Augustin, 1908— *Le traitement du rhumatisme chronique par les sels d'or. 47p. 8° Par., Jouve & cie, 1933.

JACQ, Fernand, 1908— *Contribution à l'étude de la réaction de l'acétate de cuivre chez les cancéreux. 77p. 8° Par., M. Vigné, 1934.

JACQUART, Paul, 1910— *Histogénèse et pathologie comparée de l'épithélioma séminifère [Alfort; Vet.] 265p. illust. 24cm. Par., E. Le François, 1935.

JACQUE, Charles Emile, 1813-94. Les malades et les médecins; colored plates, No. 1-24. Par., Aubert & cie [n. d.]

JACQUELINE, André, 1892— Directives en pratique médicale; terrains et tendances morbides. xi, 207p. 8° Par., Masson & cie, 1935. See also **Letulle, M. E. J. L.**, **Nattan-Larrier, L. A. A.** [et al.] *Anatomie pathologique*. 3v. Par., 1931.

JACQUELIN, Marc, 1900— *A propos de quatre observations de perforation d'ulcères duodéno-pyloriques en période libre. 56p. 8° Angers, Caillaux, Onillon & cie, 1930.

JACQUELIN, Paul, 1915— *Considérations pratiques sur la conduite à tenir en présence d'une grossesse chez une tuberculeuse. 23p. 23cm. Par., A. Lapiet, 1939.

JACQUEMAIN, François, 1909— *Etude sur la médecine chez les peuples primitifs. 41p. 24cm. Par., Libr. Le François, 1938.

JACQUEMAIRE, André, 1910— *De l'inspection médicale dans les externats de l'enseignement du second degré. 80p. form. 24cm. Lille, E. François, 1938.

JACQUEMAIRE, René, 1894— *Les occlusions intestinales au cours des kystes de l'ovaire. 51p. 8° Par., Jouve & cie, 1926.

JACQUEMARD, André, 1892— *Les méningites lymphocytaires curables. 40p. 8° Par., A. Valade, 1926.

JACQUEMART, CLAVELIN, Charles, & JAME. Le service de santé militaire du temps de paix et du temps de guerre. 6. éd. 455p. illust. 8° Par., Charles-Lavauzelle & cie, 1934.

JACQUEMELLE, Théophile, 1914— *Vitamines et thyroïde; contribution à l'étude de l'action des hypervitaminoses et des régimes carencés sur la structure du corps thyroïde. 85p. 6 pl. 25cm. Lille, Impr. Centrale du Nord, 1938.

JACQUEMET, René, 1913— *Contribution à l'étude des phlébites de la gestation; à propos d'un cas mortel. 35p. 25cm. Lyon, Siblat, 1939.

JACQUES, Alfred George, 1896-1939. *Oosterhout, W. J. V.* Obituary. *Science*, 1940, 91: 133.

JACQUES, frère [Baulieu; de Beaulieu] 1651-1714.

For biography see *Cat. Portr. R. Coll. Surgeons, Lond.*, 1930, 19.

JACQUES, le Grand [Jacobus Magnus] fl. ca 1405. *Sophologium sapientiae* [libri 10] 121 l. 8°. Paris, Jean Petit [ca 1495]

JACQUES, Jacques, fl. 17. century. *Le faut-mourir* [5. ed.] [7]l. 470[=466]p. 8°. Lyon, Michel Goy & F. Larchier, 1669.

— *Le médecin liberal* [Troisième partie et suite du *Faut-mourir*] [6]l. 216p. 8°. Lyon, Charles Mathevet, 1666.

Bound with his *Le faut-mourir*. Lyon, 1669.

JACQUESON, René, 1912— *Contribution à l'étude du jus de raisin au point de vue alimentaire et thérapeutique. 159p. 25cm. Lyon, Pacquet, 1939.

JACQUES, Robert Noël, 1895— *Contribution à l'étude des pseudo-paraplégies chez le cheval. 38p. 8°. Par., Le François, 1930.

JACQUET, Albert, 1910— *Pathogénie de l'embolie gazeuse au cours des interventions sur la plèvre et le poulmon. 145p. 8°. Par., L. Arnette, 1937.

JACQUET, Ernest, 1892— *L'anémie splénique infantile par Leishmania (kala-azar) observée en France. 78p. 8°. Par., L. Arnette, 1926.

JACQUET, Jacques Marie, 1907— *Contribution à l'étude des anémies graves du nourrisson au cours de la première année (rareté; étiologie; traitement) 96p. 8°. Par., Jouve & cie, 1931.

JACQUET, Louis [M. D., 1936, Toulouse] *Considérations sur les grossesses extra-utérines récidivantes [Toulouse] 83p. illust. 24½cm. Clermont-Ferrand, Impr. Moderne, 1936.

JACQUET, Lucien, 1860-1914.

Beeson, B. B. [Biography] *Arch. Derm. Syph., Chic.*, 1931, 24: 867.

JACQUET, Maurice Paul Joseph, 1909—

*Les formes anatomo-cliniques de la thrombose cardiaque. 157p. 8°. Par., M. Vigné, 1937.

JACQUET, Renée. *Recherches botaniques et chimiques sur quelques cactacées [Pharm.] 176p. illust. 24cm. Par., Impr. L. Cario, 1934.

JACQUIER-LAFORGE, Maurice, 1913— *Recherches sur les amidons solubles [Lyon] 113p. 25cm. Trévoux, G. Patissier, 1938.

JACQUIN, Louis, 1912— *Quelques observations de tuberculose ganglionnaire méésentérique à manifestations abdominales aiguës. 46p. 8°. Par., Vigot frères, 1937.

JACQUIN, Nikolaus Joseph Baron de, 1727-1817.

Stellfeld, C. Jacquin. *Tribuna farm.*, Curitiba, 1942, 10: 10.

JACQUIN, Pierre, 1910— *Les mouvements conjugués des globes oculaires et leurs troubles; ablations hémisphériques et mouvement conjugué [Marseille] 47p. 25½cm. Lyon, Bosc frères, 1939.

JACQUIN, Pierre, 1915— *L'opothérapie hépatique dans le traitement de l'insuffisance du foie. 100p. 25cm. Lyon, Bosc frères, 1939.

JACQUIN, Robert Marie, 1909— *Syndrome apico-costovertebral douloureux révélant un néoplasme latent du poulmon. 89p. illust. 25cm. Nancy, G. Thomas, 1935.

JACQUIN-CHATELLIER, Léonie, 1895— *L'homme; les hommes; études morphologiques. 142p. 8°. Par., A. Legrand, 1932.

JACQUINET, René, 1864—

Téhoueyres. Le professeur René Jacquinet. *Union méd. nordest*, 1938, 61: 82-4.

JACQUINIA [bot.]

Nascimento, A. O timbó. *Rev. syniatr.*, Rio, 1941, 34: 87-9.

JACQUOT, Jean, 1912— *Hypertension artérielle permanente; imputabilité et aptitude au service militaire. 72p. 8°. Lyon, Bosc frères, 1936.

JACSON, Jean Armand William, 1909— *L'urticaire a frigore; forme pure, formes associées. 105p. 24cm. Nancy, V. Idoux, 1938.

JACZEWSKI, Arthur, 1863-1932.

Jones, L. R. *Biography. Phytopathology*, 1933, 23: 111-6, portr.

JADASSOHN, Josef, 1863-1936. *Handbuch der Haut- und Geschlechtskrankheiten*. 23 Bd. 8°. Berl., J. Springer, 1927-32.

— *Der gegenwärtige Stand der Pellagralehre*. p.446-587. 8°. Berl., J. Springer, 1933. In *Handb. Haut. & Geschlkr.* (Jadassohn, J.) Berl., 1933, 4: pt 2.

Also Editor of *Zentralblatt für Haut- und Geschlechtskrankheiten*, Berl., v.1-52, 1921-36.

For biography see *Arch. Derm. Syph.*, Berl., 1933, 169: p. i. Also *Ind. J. Vener. Dis.*, 1937, 3: 75-8, portr.—Miescher, G. [Biography] *Klin. Wschr.*, 1933, 12: 1431.—Milian, G. [Biographie] *Rev. fr. derm. vénér.*, 1928, 4: 450-3.

See also Bizzozero, E. *Necrologia. Dermosiflografo*, 1936, 11: 213-6.—Darier, J. [Nécrologie] *Presse méd.*, 1936, 44: 774.—*Necrologia. Arch. ital. derm.*, 1937, 13: 335, portr.—*Obituary. Arch. Derm. Syph., Chic.*, 1936, 33: 1063-9. Also *Brit. J. Derm. Syph.*, 1936, 48: 323, portr. Also *Brit. M. J.*, 1936, 1: 964. Also *J. Am. M. Ass.*, 1936, 106: 2172.—Pinard, M. *Nécrologie. Bull. Soc. fr. derm. syph.*, 1936, 43: 712.—Volk, R. *Nekrolog. Wien klin. Wschr.*, 1936, 49: 473; 1240.

See also *Rückblick und Umblick. Deliber. Congr. derm. internat.* (1935) 1936, 9. Congr., 4: 89-104, portr.—Siemens, H. W. *Jadassohniana. Schweiz. med. Wschr.*, 1938, 68: 995-7.

For portrait see Collection in Library.

— & ZIELER, Karl. *Ikonographia dermatologica; Atlas seltener, neuer und diagnostisch unklarer Hautkrankheiten. Neue Folge, Lieferung 1* (Tafel 1-8) 6 p. l. 37 p. illust. pl. 4°. Berl., Urban & Schwarzenberg, 1932.

JADASSOHN, Werner. *Allergiestudien bei der Ascaridenidiosynkrasie* [Zürich] p.690-745. 8°. Berl., J. Springer, 1928.

Also *Arch. Derm. Syph.*, Berl., 1929, 156:

JADELOT, Jean François Nicolas, 1738-93.

For portrait see Collection in Library.

JADESOHN, Harry, 1898— *Die Unterbringung der Zurechnungsunfähigen und vermindert Zurechnungsfähigen in öffentlichen Heil- oder Pflegeanstalten auf Grund des §43 des Amtlichen Entwurfs eines Allgemeinen Deutschen Strafgesetzbuches von 1925. 32p. 8°. Bresl. [n. p.] 1926.

JADLOVKER, Male, 1903— *Fonctionnement de la maternité de l'Hôpital Boucicaud pendant l'année 1928 [Paris] 63p. 8°. Savenay, Impr. Roumegoux & cie, 1929.

JADLOWKER, Ella [M. D., 1926, Basel] *Die Geburten im Entwicklungsalter [Basel] 36p. 8°. Strasb., Ed. Univ. [1926]

JADOT, Bernard, 1910— *Contribution à l'étude des troubles fonctionnels de la circulation dans les extrémités des membres. 48p. 8°. Par., M. Vigné, 1936.

JAECKEL, Fritz, 1908— *Zur Klinik der eitrigen Meningitis im Kindesalter. 24p. 21cm. Rostock, C. Hinstorff, 1936.

JAECKEL, Werner, 1910— *Ueber das Schicksal der gutartigen Blasenpapillomatose. 24p. 22½cm. Berl., F. Linke, 1938.

JAECKER, Hans, 1907— *Ueber die Innervierung der Pulpa bei Kalbszähnen. 11p. 8°. Würzb., K. Triltsch, 1936.

JAECKLE, Oswald, 1909— *Sterilitäts-Ursachen und Behandlungserfolge. 24p. 8°. Freib. i. B., W. Wiemken, 1934.

JAECKLI, Willi, 1909— *Differenz der Refraktion bei aufrechter Körperhaltung, bei

Seiten-, Rücken- und Bauchlage, speziell nach künstlicher Erschlaffung der Zonula Zinnii. 28p. 8°. Zür., J. Weiss, 1935.

JAECKSCH, Walter, 1909- *Ueber die Zusammenarbeit von Auge und Hand [Jena] 32p. 8°. Köln, J. Borowsky, 1936.

JAEDERHOLM, Axel Olof Gustaf, 1837-85.
For biography see in Portr. Svenska läk. apotek. (Sjöberg, N.) Stockh., 1910, 58, portr.

JAEDICKE, Hans Georg, 1911- *Zur biologischen Gestaltung der Freizeit; Untersuchungen über die Wirkung verschiedener Feriengestaltung grosstädtischer Schüler. 62p. 2 tab. 23cm. Berl., R. Pfau, 1937.

JAEGER, Adelheid [Beate] 1902- *Ueber die Sterilisation von Nahrungsmitteln [Tübingen] 52p. 8°. Worms, Gebr. Hoffmann, 1931.

JAEGER, Adolph [M. D., 1837, Tübingen] *Beobachtungen über die Anatomie des Nilcrocodils. 31p. 8°. Tüb., C. F. Oslander, 1837.

JAEGER, Alfred, 1904- *Nicht krankhafte intracraniale Verkalkungen. 15p. 6 pl. 8°. Bonn, H. Trapp, 1931.

JAEGER, Eduard, 1818-84. Schriftscalen. 2. ed. [56] l. 8°. Wien, L. W. Seidel, 1857.

JAEGER, Emmi, 1909- *Ueber Duodenaldivertikel [Münster] 34p. 8°. Pirmasens, W. Neumann [1934]

JAEGER, Enno [Friedrich] 1899- *Ein malignes Adamantinom des Oberkiefers (Auszug) 8p. 8°. [Lpz., n. p.] 1925.

JAEGER [Erich] Kurt, 1898- *Die Verwendung hochprozentiger Novokain-Suprareninlösung in der Zahnheilkunde. 32p. 8°. Lpz., A. Hoffmann, 1926.

JAEGER, Ernst [Friedrich] 1897-1937. *Die Gefässversorgung der Milzphigischen Körperchen in der Milz [Leipzig] p.578-601. 8°. Berl., J. Springer, 1929.

Also Zschr. Zellforsch., 1928-29, 8:
See also Hueck. Nekrolog. Verh. Deut. path. Ges., 1937, 30: 534.

JAEGER [Eva Katharina] Annelise, 1911- *Pemphigus des Kindesalters [Heidelberg] 19p. 22½cm. Darmst., Pfeffer & Balzer [1933]

JAEGER, Felix. Aetiologie und Therapie der Varizen und des varikösen Symptomenkomplexes. 4p.; 76p. illust. 8°. Lpz., J. A. Barth, 1936.

— Verbandslehre; ein Leitfaden für Studenten, Schwestern und ärztliches Hilfspersonal. vi, 98p. illust. 8°. Lpz., J. A. Barth, 1936. Also 3. erw. Aufl. vii, 110p. 20½cm. 1940.

JAEGER, Georg [Carl Heinrich] 1911- *Die Häufigkeit von Metastasen bei Carcinomen, unter besonderer Berücksichtigung der Knochenmetastasen, an Hand des Materials des pathologischen Instituts des Städtischen Krankenhauses Mannheim [Heidelberg] 44p. tab. 21cm. Hildesheim, A. Lax, 1937.

JAEGER, Gustav, 1903- *Beitrag zum schnellen Ablauf des Frühinfiltrats. 20p. 8°. Bresl., Genoss. Buchdr., 1931.

JAEGER, Gustav, 1833-1917. Treatise on health culture. viii, 197p. 16°. N. Y., Jaeger's Sanitary Woolen Syst. co., 1886.

— Selections from essays on health-culture and the sanitary woolen system. 2. ed. viii, 216p. 16°. N. Y., Jaeger's Sanitary Woolen Syst. co., 1891.

See also Kröner, W. Gustav Jaegers Sendung; Darstellung seines Lebenswerkes und Aufriss einer totalen Biologie. 536p. 8°. Stuttg., 1936.

JAEGER, Hans, 1910- *Beiträge zur Missbildung von Niere und Harnleiter. 27p. 8°. Bonn, H. Trapp, 1935.

JAEGER, Heinrich, 1905- *Ueber einen Fall von Lipomatosis multiplex symmetrica in Verbindung mit Polyarthrit und Kalkgicht. 22p. 8°. Marb., Kurhess. Verlagsdr., 1933.

JAEGER, Heinrich, 1906- *Beeinflusst der Wasserprobe als Nierenfunktionsprüfung die Höhe der Perspiratio insensibilis? 15p. 8°. Münch. [J. B. Oernetter] 1931.

JAEGER [Hermann] Kurt, 1901- *Wie kann man das Auftreten von rachitischen Zähnen verhüten? [Leipzig] 23p. 8°. Borna, R. Noske, 1931.

JAEGER, Horst, 1903- *Ueber Zinkwirkungen [Halle-Wittenberg] p.139-53. 8°. Berl., F. C. W. Vogel, 1931.

Also Arch. exp. Path., Lpz., 1931, 159:

JAEGER, Ingrid, 1903- *Ein Fall von spontanem Haematom des linken Musculus rectus abdominis [Heidelberg] 11p. 8°. Wall-dorf, F. Lamade, 1928.

JAEGER, James Rudolph, 1895-
For biography see J. Internat. Coll. Surgeons, 1942, 5: 442, portr.

JAEGER, Johannes, 1898- *Die Liquorreaktionen bei der Tabes dorsalis [München] 50p. 8°. Dillingen, Schwab. Verlagsdr., 1930.

JAEGER, Josef, 1906- *Die Rassen-geschichte Frankens mit Beiträgen zur Wendenfrage in Deutschland [Göttingen] 37p. 8°. Würzb., H. Stürtz, 1934.

JAEGER, Karl, 1905- *Ueber die Durchbrechung der Avertinnarkose durch Cardiazol und Coramin [Giessen] 21p. 8°. Camberg, W. Ammelung, 1932.

JAEGER, Karl, 1906- *Ueber Erfahrung und Prognose bei vollständiger Aufmeisselung der Mittelohrräume in der Marburger Universitäts-Hals-Nasen-Ohren-Klinik [Marburg] 21p. 21cm. Bochum, H. Pöppinghaus, 1936.

JAEGER, Kurt, 1905- *Kasuistischer Beitrag zum Thema der Placentarverwachsung [Zürich] 24p. 22½cm. Wädenswil, J. Villiger & cie, 1938.

JAEGER, Kurt, 1912- *Weitere Erhebungen über das Verhältnis zwischen Nahrungsausnützung und Bezahnung mit besonderer Berücksichtigung der Fett-nahrung [Greifswald] 18p. 2 tab. 8°. Würzb., Gebr. Memminger, 1936.

JAEGER, Louis, 1903- *Contribution à l'étude des hamartomes pulmonaires (hamartochondromes et hamartokystomes) [Zürich] 96p. 8°. Par., Jouve & cie, 1934.

JAEGER, Martin, 1908- *Der blinde Fleck am Perimeter von Maggiore [Halle-Wittenberg] 24p. 21cm. Bleicherode, C. Nieft, 1937.

JAEGER, Mathilde, 1911- *Les lésions anatomohistologiques des accidents électriques. 101p. 24½cm. Strasb., Impr. Argentoratum [1936]

JAEGER [Max] Johannes, 1910- *Ueber Deltamuskellähmung nach Poliomyelitis und deren Behandlung durch die Schulterarthrodese [Leipzig] 40p. 23½cm. Zeulenroda, A. Oberreuter, 1937.

JAEGER, Paul [M. D., 1938, Strasbourg] *Morphologie et biologie florales chez les dipsacacées [Strasbourg] 158p. 4 pl. 24cm. Colmar, Alsatia, 1938.

JAEGER, R. Die Aufgaben der Arbeitsschutzsalben. p.214-32. 23½cm. Berl., J. Springer, 1939.

In Salben & Salbengrundl. (Czetsch-Lindenwald, H.)

JAEGER, Robert. Physik und Elektrizitätslehre. xvi, 175p. 289 illust. 8°. Lpz., Fischer, 1931.

- JAEGER, Robert**, 1910— *Gehirnabscess nach Zahnextraktion [Tübingen] 22p. 8°. Menges, J. Goelz, 1932.
- JAEGER, Rudolf**, 1870–1928. Keller, H. Nekrolog. Schweiz. med. Wschr., 1929, 59: 370.
- JAEGER, Rudolf**, 1902— *Zur Epidemiologie und Haematologie des Paratyphus B [Giessen] 13p. 8°. Fulda, Fuldaer Actiendr., 1930.
- JAEGER, Werner**. Diokles von Karystos; die griechische Medizin und die Schule des Aristoteles. viii, 244p. 24cm. Berl., W. de Gruyter & co., 1938.
- JAEGER, Werner**, 1911— *Ueber die Operation nach Alexander-Adams unter besonderer Berücksichtigung ihrer Eignung zur gesetzlichen Unfruchtbarmachung [Würzburg] 55p. 21cm. Marbach, A. Remppis, 1937.
- JAEGER, Lunecke, Helmut**. *Tratamiento del antrax por la extirpación electroquirúrgica [Chile] 40p. 26½cm. Santiago, Imp. El Esfuerzo, 1940.
- JAEGERMANN, Käthe**, 1907— *Anatomische Untersuchungen zur Frage der Vigantolbeeinflussbarkeit der Tuberkulose. p.764–78. 8°. Tüb. [n. p., 1932] Also Virchows Arch., 1932, 285:
- JAEGERMANN, Max Meier**, 1904— *Ueber Osteopsathyrosis und ihre Pathogenese [Freiburg] 36p. 8°. Berl. [n. p.] 1931.
- JAEGGY, Ernest**, 1878–1941. Nécrologie. Rev. méd. Suisse rom., 1941, 61: 869–71.
- JAEHN, Alfred**, 1910— *Ueber die Ergebnisse der Behandlung radikulärer Kieferzysten. 16p. 8°. Kiel, H. Lüdtke, 1935.
- JAEHN, Friedrich**, 1910— *Untersuchungen über Boomanes. 55p. 2 pl. 8°. Lpz., A. Edelmann, 1934.
- JAEHN, Heinrich**, 1912— *Ist der Erfolg der Strahlenbehandlung bei den Rezidiven nach Uteruskarzinomoperationen vom Zeitpunkt ihres Auftretens abhängig? Untersuchungen an dem Krankengut des Strahleninstitutes der Universitäts-Frauenklinik München aus den Jahren 1920–34 [München] 32p. 21cm. Bleicherode, C. Nieft, 1938.
- JAEHNER, Doris**. Zwei Tage aus dem Leben dreier Geschwister. 173p. 8°. Lpz., J. A. Barth, 1930. Forms Beih. 51, Zschr. angew. Psychol.
- JAEHNICKE, Heinz**, 1903— *Die Blutschande [Kiel] vii, 71p. 8°. Potsdam, G. Kettler, 1929.
- JAEHNIG, Brigitte** [geb. Kan] 1896— *Ein ungewöhnlicher Fall von Spina bifida mit doppelter Lokalisation [Leipzig] 19p. 8°. Oschatz, C. Morgner, 1929.
- JAEEKEL, Ilse**, 1913— *Experimentelle Untersuchungen über das Trockenbild des Magensaftes [Greifswald] 23p. 8°. Lengerich, Lengericher Handelsdr., 1936.
- JAEEN Guardia, Ernesto**, 1895— For portrait see Bol. Of. san. panamer., 1938, 17: front.
- JAENISCH, Klara** [geb. Greve] 1878— *Die Bedeutung der Siegelringzellen für die Geschwulstdiagnostik. 11p. 8°. Bresl., K. Vater, 1926.
- JAENSCH, Erich R. F.**, 1883— Zur Neugestaltung des deutschen Studententums und der Hochschule. 89p. 8°. Lpz., J. A. Barth, 1937. Forms Beih. 74, Zschr. angew. Psychol.
- Der Gegentypus; psychologisch-anthropologische Grundlagen deutscher Kulturphilosophie, ausgehend von dem was wir überwinden wollen. xliii, 512p. illust. tab. 8°. Lpz., J. A. Barth, 1938. Forms Beih. 75, Zschr. angew. Psychol.
- & **ALTHOFF, Fritz**. Mathematisches Denken und Seelenform; Vorfagen der Pädagogik und völkischen Neugestaltung des mathematischen Unterrichts. 160p. 8°. Lpz., J. A. Barth, 1939. Forms Beih. 81, Zschr. angew. Psychol.
- JAENSCH, Erich R. F., & HENTZE, Rudolf**. Grundgesetze der Jugendentwicklung; Erkenntnisse der Jugendanthropologie in der Ausrichtung auf neudeutsche Erziehung. 217p. 23½cm. Lpz., J. A. Barth, 1939. Forms Beih. 80, Zschr. angew. Psychol.
- JAENSCH, Fritz**, 1911— *Experimentelle Untersuchungen über Epidermophytin und Trichophytin. 23p. 8°. Freib. i. B. [n. p.] 1935.
- JAENSCH, Paul A.** Pupille. p.267–339. 8°. Berl., Springer, 1936. In Handb. Neurol. (Bumke & Foerster) Berl., 1936, Bd 4.
- Das Schielen und seine Behandlung. viii, 45p. 8°. Stuttg., F. Enke, 1938. Forms Beih. 4, Klin. Mbl. Augenh.
- See also **Bielschowsky, A.**, **Jaensch, P. A.** [et al.] Hirnnerven, Pupille. 701p. 8°. Berl., 1936.
- JAENSCH, Walther**, 1889— Grundzüge einer Physiologie und Klinik der psychophysischen Persönlichkeit; ein Beitrag zur funktionellen Diagnostik. ix, 483p. 8°. Berl., J. Springer, 1926.
- Die Hautkapillarmikroskopie; ihre praktische Bedeutung für Diagnose und Therapie körperlich-seelischer Individualität im Zusammenhang mit dem Kropf- und Minderwertigkeitsproblem. 240p. 8°. Halle a. S., C. Marhold, 1929.
- Leibesübungen und Körperkonstitution. 117p. illust. pl. tab. 8°. Berl., A. Metzner, 1935.
- Die Hautcapillarmikroskopie am Lebenden. p.865–940. 4°. Berl., Urban & Schwarzenberg, 1937. In Handb. biol. Arbeitsmeth. (Abderhalden, E.) Berl., 1937, Abt. 9, T. 3, 2. Hälfte.
- Also editor of Konstitutions- und Erbbiologie in der Praxis der Medizin; Vorträge eines internationalen Fortbildungskurses in der Berliner Akademie für ärztliche Fortbildung im Frühjahr, 385p. 8°. Lpz., 1934.
- & **PULVERMUELLER, Kurt**. Konstitutionstherapie und Entwicklungsstörungen; ein Beitrag zur Erkennung und Bekämpfung konstitutioneller Frischäden. 68p. 24½cm. Stuttg., F. Enke, 1939. Forms Beih. 20, Arch. Kinderh.
- JAERISCH, Paul**, 1891— *Beitrag zur Therapie der Patellarfrakturen mit offener Naht. 39p. 8°. Rostock, Adlers Erben, 1919.
- JAERVI, Osmo**. *Ueber den Bau der Trachea- und Larynxdrüsen und der Drüsenzellen bei einigen Säugetieren; Beitrag zur Frage von der Bedeutung des Golgi-Apparats und anderer Zellkomponenten für den Sekretionsprozess; Beobachtungen in Betreff der Adenomerentheorie. 205p. 15 pl. 8°. Helsin., A. G. Sana, 1935.
- JAESCHE, Arthur**, 1891— *Klinisches und Statistisches über die Rosaceaerkrankungen des Auges. 15p. 8°. Rostock, W. H. Winterberg, 1924.
- JAESCHKE, Anna**, 1901— *Urethrakarunkeln bei der Frau. 24p. 8°. Bresl., O. Borgmeyer, 1933.
- JAESCHKE, Hans Ulrich**, 1910— *Ueber Beziehungen der Myome zu Gefäßen. 27p. 8°. Königsb., J. Raabe, 1934.

— Der Gegentypus; psychologisch-anthropologische Grundlagen deutscher Kulturphilosophie, ausgehend von dem was wir überwinden wollen. xliii, 512p. illust. tab. 8°. Lpz., J. A. Barth, 1938.

- JAESCHKE, Klaus**, 1912— *Ueber Spontanpneumothorax [Berlin] 27p. 21cm. Lengerich, Lengericher Handelsdr., 1938.
- JAESCHOCK, Herbert**, 1909— *Das epidemische Auftreten der Grippe im Winter 1932-33 und 1936-37 in einigen Bezirken Niederschlesiens und die Abhängigkeit des Verlaufes der Epidemien von meteorischen und geographischen Faktoren; eine geomedizinische Untersuchung [Berlin] p.276-97. 23cm. Würzb., H. Stürtz, 1938.
Also Zschr. Hyg., 1938-39, 121:
- JAFFARY, Stuart King**, 1899— The mentally ill and public provision for their care in Illinois. xxii, 214p. tab. 23cm. Chic., Univ. Chicago pr. [1942]
- JAFFE, Bernard**, 1896— Crucibles; the lives and achievements of the great chemists. viii, 337p. 8°. N. Y., Simon & Schuster, 1930.
- JAFFE, Ewald**, 1898— *Ist durch die Malariabehandlung der Syphilis ein Fortschritt in der Prognose der Lues erzielt? [Berlin] 19p. 8°. Charlottenb., Gebr. Hoffmann, 1929.
- JAFFE, Hermann R.**, 1888-1937.
Chiari, H. Nekrolog. Wien. klin. Wschr., 1938, 51: 88.
- JAFFE, Irwin**, 1910— *Ueber Kittnierenbildung und ihre Bedeutung für die Frühnephrektomie bei Nierentuberkulose. 29p. 8°. Zür., Gebr. Leemann & co., 1934.
- JAFFE, Jokubas**, 1880-1933.
For obituary see Medicina, Kaunas, 1933, 14: 450.
- JAFFE, Joseph**, 1894— *Ueber Hüftluxation nach akuten Infektionskrankheiten im frühen Kindesalter. 18p. 8°. Bresl. [n. p.] 1926.
- JAFFE, Kaete**.
See Blumenthal, F., & Jaffé, K. Ekzem und Idiosynkrasie. 188p. 8°. Berl., 1933.
- JAFFE, Max**, 1841-1911.
For biography see Nature, Lond, 1941, 148: 110.
- JAFFE, Richard Hermann**, 1888-1937. The reticulo-endothelial system. p.977-1271. illust. pl. tab. 8°. N. Y., P. B. Hoeber, 1938.
In Handb. Hemat. (Downey, H.) N. Y., 1938, 2: See also Bibliography; bibliography. In Path. Conf. (Jaffé, R. H.) Chic., 1940, p. vii-xvi, portr.
Also Davidsohn, I. Obituary. Am. J. Clin. Path., 1938, 8: 456-60, portr.—Petersen, W. F. Obituary. Arch. Path., Chic., 1938, 25: 418-21, portr.
For portrait see Mississippi Doctor, 1935-36, 13: No. 9, 56.
- JAFFE, Rudolf**, 1885—, **ARNDT, H. J.** [et al.] Anatomie und Pathologie der Spontanerkrankungen der kleinen Laboratoriumstiere: Kaninchen, Meerschweinchen, Ratte, Maus. xix, 832p. 8°. Berl., J. Springer, 1931.
- JAFFE, Rudolf, & BERBERICH, F.** Hoden. p.197-280. Lpz., C. Kabitzsch, 1932.
In Hirsch. Handb. inn. Sekret, Bd 1:
- JAFFE, Rudolf, & TANNENBERG, I.** Nebennieren. p.473-661. Lpz., C. Kabitzsch, 1932.
In Hirsch. Handb. inn. Sekret., Bd 1:
- JAFFE, Ruth**, 1907— *Das Schicksal der Kinder mit Hirntumoren an der Zürcher Kinderklinik in den Jahren 1911-32. 36p. 8°. Zür., Fluntern, 1934.
- JAFFE [Walter] Erich**, 1903— *Vergleichende Untersuchungen über die Bakterienflora der Rachenhöhle gesunder Menschen unter besonderer Berücksichtigung der gramnegativen Kokken. 39p. 8°. Bonn, H. Trapp, 1929.
- JAFFRE, Joseph Marie**, 1905— *Diagnostic médico-légal des comas. 72p. 8°. Par., Jouve & cie, 1932.
- JAFFRE, Victor**, 1910— *Sur l'origine traumatique des tubercules ostéoarticulaires; statistique du Sanatorium de Kerpape. 59p. 25½cm. Par., L. Arnette, 1939.
- JAFFRE, Yves**, 1907— *Contributions à l'étude de la prophylaxie du rhumatisme chronique et de ses conséquences sociales. 50p. 8°. Par., M. Vigné, 1937.
- JAGAU, Hermann**, 1906— *Ueber Endometriome und ihre Entstehung [Kiel] 19p. 8°. Essen-Werden, P. März, 1931.
- JAGDHOLD, Herbert**, 1899— *Die Behandlung der primären Syphilis in ihrer Bedeutung für das Entstehen und die Incubationszeit der progressiven Paralyse [München] 16p. 8°. Stralsund, J. Abel, 1926.
- JAGELLA, Rudolf**, 1911— *Seltene Formen der Epulis [Greifswald] 23p. 8°. Bottrop-W., W. Postberg, 1935.
- JAGER, Israël**, 1912— *La valeur alimentaire et thérapeutique du vin. 60p. 8°. Par., M. Lavergne, 1938.
- JAGERSCHMIDT, Philippe**, 1913— *Le traitement médical dans les états d'arriération mentale chez l'enfant. 156p. 25½m. Lyon, Bose frères, 1939.
- JAGGER, Ivan Claude**, 1889-1939.
Reddick, D. [Biography] Phytopathology, 1942, 32: 549-53, portr.
- JAGGER, Walter**, 1871-1929.
For obituary see Brit. M. J., Lond., 1929, 1: 582.
- JAGIC, Nikolaus**, 1875— Handbuch der allgemeinen Pathologie, Diagnostik und Therapie der Herz- und Gefässerkrankungen, unter Mitwirkung von Karl Ewald, Fritz Falk [et al.] hrsg. von Nikolaus von Jagić. v.3, Teil 1 & 2. xx, 879p. 4°. Lpz., F. Deuticke, 1912-14.
— Die diagnostische Verwertung des Leukozytenbildes bei Infektionskrankheiten. 48p. 8°. Wien, M. Perles, 1919.
— Herzkrankheiten bei Frauen. 103p. 8°. Berl., Urban & Schwarzenberg, 1926.
— Perkussion und Auskultation; ein Leitfaden für Studierende und Aerzte. viii, 111p. illust. pl. 8°. Berl., Urban & Schwarzenberg 1932.
- & **FELLINGER, Karl**. Die endokrinen Erkrankungen; ihre Klinik, Pathologie und Therapie. viii, 293p. illust. 24½cm. Berl., Urban & Schwarzenberg, 1938.
- JAGIC, Nikolaus, & FLAUM, Ernest**. Therapie der Herzkrankheiten. 2. Aufl. vii, 342p. illust. 8°. Berl., Urban & Schwarzenberg, 1937.
- JAGIC, Nikolaus, & KLIMA, R.** Klinik und Therapie der Blutkrankheiten. 2. xii, 512p. illust. pl. ch. 8°. Berl., Urban & Schwarzenberg, 1934.
- JAGIC, Nikolaus, & SPANGLER, G.** Klinik und Therapie der Blutkrankheiten. ix, 311p, 8 pl. 8°. Berl., Urban & Schwarzenberg, 1928.
- JAGOT, Bernard**, 1900— *La colpectomie totale simple dans le traitement des prolapsus génitaux. 67p. 8°. Par., L. Arnette, 1929.
- JAGOT, Paul Clément**. L'hypnotisme à distance; la transmission de pensée et la suggestion mentale; méthode; pratique d'influence télépsychique. vi, 192p. 8°. Par., Drouin [1925]
— Le livre rénovateur des nerveux, des surmenés, des déprimés et des découragés; guide pratique pour surmonter toute défaillance nerveuse et cérébrale; lettre-préface du Dr Legrain. 240p. 8°. Par., Drouin [1928]
— Método científico moderno de magnetismo, hipnotismo, sugestión. 3v. 19cm. B. Aires, Editorial Tor [1938]

CONTENTS

T. 1. Cómo se desarrollan las energías psicomagnéticas y el modo de servirse de ellas. Trad. por Jorge P. Jordana.

T. 2. Enseñanza práctica para obtener sueños hipnóticos, tratado de psico-gimnasia para abordar con plenitud los altos fenómenos psíquicos. Trad. por Jorge P. Jordana.

T. 3. Cómo hacer reaccionar la actividad nerviosa sobre los órganos enfermos. Trad. por Pedro Labrousse.

JAHAN, Henri, 1906— *Le service de Maternité-gynécologie de l'Hôpital civil français de Tunis. 106p. pl. 8° Par., M. Vigné, 1932.

JAHIEL, Richard, 1899— *Etude sur le rythme des douleurs épigastriques. 88p. 8° Par., A. Legrand, 1927.

JAHN, Anna, 1905— *Die Verwendbarkeit des Jodostick zur Desinfektion der Haut. 31p. 8° Bresl., Schles. Volkztg, 1930.

JAHN, Arthur, 1904— *Ueber Agglutinine, agglutinable Substanzen und Faktoren M und N im mütterlichen Blut und im Nabelschnurblut. 17p. 8° Bresl., Genoss. Buchdr., 1935.

JAHN, Ferdinand, 1804-59.

LEHMANN, H. Die Krankheits- und Heilungslehre des meiningischen Hofmedicus Ferdinand Jahn. 57p. 8° Berl., 1936.

Forms H. 14. Abh. Gesch. Med. & Naturwiss. (P. Diepgen)

JAHN, Friedrich, 1907— *Beiträge zur Pathologie des Magenulcuscarcinoms [München] 19p. 21cm. Bleicherode, C. Nieft, 1937.

JAHN, Friedrich Ludwig, 1778-1852.

Dihle, H. Friedrich Ludwig Jahn im Spiegel seiner Zeit. Med. Welt, 1928, 2: 1185-7.—Müller. Friedrich Ludwig Jahn. Bl. Volksgesundhpfl., 1927, 27: 169.

JAHN, Günter, 1911— *Die Gastro-enteroanastomie- und Magenresektionskrankheit; zugleich eine Untersuchung von 68 Fällen der Medizinischen Universitätsklinik Halle. 32p. 8° Halle-S., E. Klinz, 1936.

JAHN, Heinrich [Ernst Ludwig] 1908— *Lokalanästhesie mit Panthesin; klinische Anwendung, Beobachtung und Versuche in der Veterinärchirurgie [Leipzig] 82p. 8° Regensburg, H. Schiele, 1933.

JAHN [Heinz] Rudolf, 1912— *Ueber Blasenschädigungen nach Strahlentherapie des Genitallcarcinoms [Würzburg] 39p. 21cm. Ochsenfurt, Fritz & Rappert, 1938.

JAHN, Hermann, 1904— *Zur Pharmakologie der Expektorantien; Wirkung auf die Flimmerbewegung. 16p. 8° Halle, 1930.

Also Arch. exp. Path., Lpz., 1930, 101: 23-38.

JAHN, Hugo. You needn't have a cold! the causes, prevention, and treatment of the common cold. 31p. 8° Bost., B. Humphries [1936]

JAHN, Karlheinz, 1907— *Die Extraktion in der Kieferorthopädie [Leipzig] 28p. 8° Oldenb., R. Sussmann, 1931.

JAHN [Margarete] Hildegard, 1912— *Die Einwirkung des Honigs auf Bakterien und Sporen. 23p. 23cm. Lpz., A. Edelman, 1937.

JAHN, Theodore Louis, 1905— Respiratory metabolism. p.352-403. 23½cm. N. Y., Columbia Univ. press, 1941.

In Protozoa in Biol. Res. (Calkins, G. N., et al.)

JAHN, Victor [M. D., 1930, Zürich] *Ueber das Vorkommen von Gallensäuren in menschlichen Organen [Zürich] 34p. 8° Brugg, Effingerhof, 1930.

JAHNEL, Franz, 1885— Die progressive Paralyse; ihre Pathogenese, ihre Diagnose und Therapie. 32p. 8° Lpz., H. Kornfeld, 1930.

Forms H. 417, Bd 37, Berl. Klin.

— Die progressive Paralyse; mit einem Anhang: Die afrikanische und amerikanische Trypanosomiasis des Menschen. p.647-731. 8° Berl., J. Springer, 1935.

In Handb. Neurol. (Bumke & Foerster) Berl., 1935, Bd 12.
See also **Alexander, G., Jahn, F.** [et al.] Syphilis des Nervensystem. 783p. 8° Berl., 1929. Also **Gamper, E., Jahn, F.** [et al.] Infektionen und Intoxikationen. 1. Teil. 776p. 8° Berl., 1935.

JAHNKE, Curt Herbert, 1901— *Ueber Venenunterbindungen bei thrombophlebitischer Pyämie. 31p. 8° Berl., Studentenwerk, 1931.

JAHNKE, Gerda, 1913— *Das Krankengut an nicht gynäkologischen bösartigen Geschwülsten des Strahleninstituts der Universitäts-Frauenklinik München 1913-36 [München] 22p. 21cm. Marquartstein i. Chiemgau, Hohenhaus, 1937.

JAHNKE, Günther, 1908— *Die Modell-einlage mit Doppelschiene als geeignetes orthopädisches Hilfsmittel zur Vermeidung von Spätfolgen bei Verletzungen des oberen Sprunggelenks unter gleichzeitiger Abkürzung der Behandlungsdauer und frühzeitiger Wiederherstellung der Arbeitsfähigkeit [Berlin] 25p. pl. 21cm. Tangermünde, F. Becker & Sohn, 1938.

JAHNKE [Heinrich Dietrich] Friedrich, 1895— *Ankylosis mandibulae. 20p. 8° Berl. [n. p.] 1932.

JAHNKE, Helmut [M. D., 1925, Rostock] *Zur Kasuistik einer isolierten Vestibularstörung bei Ménière'scher Krankheit [Rostock] 8p. 8° Karlsruhe, L. Wetzel, 1925.

JAHNKE, Kurt, 1908— *Ueber Beziehungen der Schilddrüse zum Zahnsystem. 32p. 8° Berl. [n. p.] 1932.

— *Die medikamentösen Exantheme unter spezifischer Berücksichtigung ihrer Symptome im cavum oris. 40p. 8° Münch., Bayer. Dr., 1933.

JAHNS, Grete, 1910— *Untersuchungen über Berührungsreflexe in der Mundhöhle und Mundrachenhöhle mit Rücksicht auf die Betrachtung und die Spiegeluntersuchung des Nasenrachentraumes [München] 24p. 21cm. Bottrop i. W., W. Postberg, 1936.

JAHR, Ernst Günter, 1904— *Beitrag zur Pharmakologie der anorganischen Rhodanide. p.429-52. 8° Berl. [n. p.] 1933.

Also Arch. exp. Path., 169:

JAHR, Ernst Haakon, 1863— Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 590.

JAHR, Hellmut, 1909— *Form, Aufbau und Befestigungsweise der Zähne bei Haifischen [Leipzig] 16p. 8° Zeulenroda, A. Oberreuter, 1934.

JAHRBUCH der ärztlich geleiteten Heilanstalten und Privatkliniken Deutschlands. Berl., 1925—

JAHRBUCH der Bücherpreise; Ergebnisse der Versteigerungen in Deutschland, Oesterreich, Holland, der Schweiz, Skandinavien, der Tschechoslowakei, Ungarn; bearb. von Gertrud Hebbeler. Lpz., 1: 1906—

JAHRBUCH der Charakterologie. Berl., v.4-6, 1927-29.

JAHRBUCH der Dissertationen der Medizinischen Fakultät zu Berlin; 1925/26-1928/29. Berl., E. Ebering, 1926-29.

JAHRBUCH für das gesamte Krankenhauswesen. Bd 1, Teil 1 & 2. 332p.; 300p. 25½cm. Berl., Springer, 1932.

JAHRBUCH für Kinderheilkunde und physische Erziehung. Wien [v. pl.] v.115-151, 1927-38.

With v.152, 1938, title changed to Annales paediatrici.

JAHRBUCH für Röntgenologen; hrsg. O. Rigler-Hufeland. Berl., v.1-2, 1930-31.

JAHRBUCH für wissenschaftliche und praktische Tierzucht einschliesslich der Züchtungsbiologie, Hannover, v.1-27, 1905-36.

JAHRBUECHER für Psychiatrie und Neurologie. Wien [v. pl.] v.23, 1903-

JAHREIS, Heinrich, 1891- *Beitrag zur Behandlung der Keratitis parenchymatosa. 55p. 8°. Erlangen, K. Döres, 1927.

JAHRESBERICHT Chirurgie. Berl., v.33 (1927) 1929-

Vol. 32, 34, 35 wanting; continuation of *Jahresbericht* über die gesamte Chirurgie und ihre Grenzgebiete.

JAHRESBERICHT über die Fortschritte der inneren Medizin. Lpz., v.3, 1908-

JAHRESBERICHT über die Fortschritte der Tier-Chemie. Wien [v. pl.] v.1-48 (1871-1918) 1873-1920.

JAHRESBERICHT über die gesamte Chirurgie und ihre Grenzgebiete. Münch., v.26-31 (1920-25) 1922-27.

With v.32 title changed to *Jahresbericht Chirurgie*.

JAHRESBERICHT über die gesamte Urologie und ihre Grenzgebiete. Berl., v.1-6, 1922-28.

With v.7, title changed to *Jahresbericht Urologie*.

JAHRESBERICHT Gynäkologie und Geburtshilfe; bibliographisches Jahresregister der Berichte über die gesamte Gynäkologie und Geburtshilfe sowie deren Grenzgebiete. Berl., v.50 (1937) 1938-

JAHRESBERICHT innere Medizin. Berl., v.13 (1930) 1932-

JAHRESBERICHT Ophthalmologie; bibliographisches Jahresregister des Zentralblattes für die gesamte Ophthalmologie und ihre Grenzgebiete. Berl., v.54 (1927) 1929.

Continuation of *Jahresberichte* über die gesamte Ophthalmologie.

JAHRESBERICHT der Pharmazie Gött., v.70 (1935) 1936-

JAHRESBERICHT Physiologie und experimentelle Pharmakologie; bibliographisches Jahresregister der Berichte über die gesamte Physiologie und experimentelle Pharmakologie. Berl., v.11 (1930) 1932-

JAHRESBERICHT Urologie. Berl., v.7-9, 1929-31.

Formerly *Jahresbericht* über die gesamte Urologie und ihre Grenzgebiete.

JAHRESVERZEICHNIS der an den deutschen Universitäten und Hochschulen erschienenen Schriften. Berlin (1885) 1887-

JAHRESVERZEICHNIS der Schweizerischen Hochschulschriften. Basel, Jahrg. 30 (1927) 1928-

JAHRESKURSE für ärztliche Fortbildung. Münch., v.1-23, 1910-32.

JAIL.

See Prison.

JAIL fever.

See Typhus fever.

JAIPUR, India.

Senn, N. The city of Jaipur, India, and Mayo Hospital. In *his Around the World*, Chic., 1905, 229-45.

JAIME, Oscar.

Veinticinco años de pneumotorax en Cuba. Rev. tuberc., Habana, 1940, 4: 371, portr.

JAIME Pujiula, R. P. Histología, embriología y anatomía microscópica, vegetales, o sea los tejidos vegetales, sus orígenes y relaciones. 550p. 8°. Barcel., Ed. Cient. Med., 1921.

JAINSKI, Paul. Die spektrale Hellempfindlichkeit des menschlichen Auges und ihre

Bedeutung für die Lichtmesstechnik. 62p. diagr. 21cm. Berl., Roth & co. [1938]

JAIS, Lucien, 1988- *Les maladies coloniales en France avant et après la guerre; leur influence sur la morbidité générale plus particulièrement à Paris et dans le Département de la Seine. 58p. 8°. Par., M. Vigné, 1928.

JAIS, Marcel Oswald, 1908- *La moelle osseuse dans l'agranulocytose et les syndromes agranulocytaires. 143p. 8°. Par., E. Le François, 1937.

JAITHE, Hans, 1908- *Die Feer'sche Krankheit unter Benützung der einschlägigen Literatur und 6 Fällen der Breslauer Universitäts-Kinderklinik [Breslau] vi, 31p. 8°. Gleiwitz, P. Hill, 1935.

JAKE paralysis.

See Ginger, Poisoning.

JAKHELIN, Christian, 1820-54.

Portrait. In *Norges laeger* (Kobro, I.) Krist., 1915, 1: 591.

JAKHELIN, Nikolai Astrup, 1869-1901.

Portrait. In *Norges laeger* (Kobro, I.) Krist., 1915, 1: 591.

JAKHNINA, R. E. О чистоте, воздухе и солнце. 32p. illust. 17cm. Moskva, Gosud. med. izdat., 1929.

JAKOB, Adolf, 1908- *Mundschleimhautbeteiligung bei Psoriasis vulgaris [Berlin] 20p. 8°. Jena, G. Neuenhahn, 1932.

JAKOB, Alfons, 1909- *Ueber auffallende Unterschiedsbefunde im spezifischen Gewicht des Morgenurins von Männern, bei welchen dieser in verschiedenen Portionen aufgefangen wurde [Erlangen] 20p. 8°. Dresd., R. Risse, 1935.

JAKOB, Alfons Maria, 1884-1931. Normale und pathologische Anatomie und Histologie des Grosshirns. 2v. 870p. paged consec. 8°. Lpz., F. Deuticke, 1927-29.

Forms 1. Abt., 1. Teil, I. & II. Bd of *Handb. Psychiat.* (G. Aschaffenburg) Lpz., 1927-29.

See also B. L. v. A. Jakob, 1884-1931. J. neur. psychiat., Par., 1932, 32: 131.—Josephy, Nekrolog. Zschr. ges. Neur. Psychiat., 1932, 138: 165-8.—Marcus, H. A. Jakob och C. von Economo in memoriam. Sven. läk. tidn., 1932, 29: 193-7.—[Obituary] Psychiat. neur. bl., Amst., 1931, 35: 431.—Weygandt, W. Nekrolog. Deut. Zschr. Nervenhe., 1931, 123: p. i-iv. Also Psychiat. neur. Wschr., 1931, 33: 582-6.

JAKOB, Chr. Folia neurobiológica argentina. T. 1. 220p. illust. 27cm. B. Air., A. López, 1941.

JAKOB, Heinrich, 1874-1930. Allgemeine Therapie unter besonderer Berücksichtigung innerer Krankheiten für Tierärzte und Studierende der Tiermedizin. 223p. 8°. Stuttg., F. Enke, 1932.

See also Kroon, H. M., Klarenbeck & Veenendaal [Obituary] Tsch. diergeneesk., 1930, 57: 441-5, portr.

JAKOB, Hermann [M. D., 1933, Heidelberg]

*Ueber die Nateinabehandlung der Hämophilie. 29p. 8°. Heidelb. [n. p.] 1933.

JAKOB, Hersch, 1909-

*La pathologie des représentations mentales descriptives dans la paralysie générale juvénile. 40p. 24cm. Par., L. Rodstein, 1940.

JAKOB, Ingeborg, 1907- *Spirocid und seine Nebenwirkungen. 29p. 8°. Bresl., Carl Seyffarth, 1933.

JAKOB, Leonhard, 1913-

*Beitrag zur Anatomie der jugendlichen Kiefer; Lage, Grösse von Foramen mandibulare, mentale, Mandibularkanal und die Bedeutung für die Leitungsanaesthesia [Würzburg] 19p. pl. 21cm. Aschaffenburg, Gauverl. Mainfranken, 1937.

JAKOB, Otto, 1907- *Ueber die kindlichen Nebenhöhlen. 16p. 8°. Würzb., R. Mayr, 1933.

JAKOBOVICS, Miklós, 1900— *Verhalten des Kiefers und die Zahnstellung bei Schiefhals [Leipzig] 20p. 8°. [Zeulenroda i. Thür., A. Oberreuter] 1928.

JAKOBOWICZ, Lazar, 1908— *Sepsis tuberculosa acutissima; Beitrag zum Virulenzproblem der Tuberkelbazillen. p.247-55. 8°. Zür., Fluntern, 1935.

Also Beitr. Klin. Tuberk., 1934, 84:

JAKOBOWITZ, Rachela, 1908— *Das Arzttum in der deutschen medizinischen Literatur des 19. Jahrhunderts. 45p. 8°. Berl., P. Brandel, 1934.

JAKOBSEN, Jakob.

See Reiter, P. J., & Jakobsen, J. Pellagroide Dermatosen an Geisteskrankheiten. 125p. 8°. Kbh., 1935.

JAKOBSEN, Johan Severin, 1894—

Portrait. In Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 169.

JAKOBY, Kurt [Friedrich Heinrich] 1911—

*Das Adamantinom; konservative Therapie und nachfolgende Radiumbehandlung. 19p. 8°. Münch., Bayer. Dr. [1936]

JAKOWZOFF, Wassili, 1868— *Fonctionnement de la maternité de l'Hôpital Boucicaud pendant l'année 1931. 100p. 8°. Par., Jouve & cie, 1932.

JAKSCH anemia.

See Anemia, infantile pseudoleukemic.

JAKSCH-WARTENHORST, Rudolf, 1855—

See Ghon, R., & Jaksch, R. von W. R. Die Tuberkulose und ihre Bekämpfung nach dem Stande vom Jahre 1921. 8°. Wien, 1922.

See also Meyer, H. Rudolf Jaksch-Wartenhorst in Prag. zum 82. Geburtstag. Strahlentherapie, 1937, 59: 381, portr.—Pellegrini, A. Hofrat Professor Doctor Jaksch von Wartenhorst 85 Jahre alt. Münch. med. Wschr., 1940, 87: 829.

JAKUBOWICZ, Aba, 1904— *Ueber protozoenartige Gebilde in Zellen verschiedener Organe des Menschen und ihr Zusammenhang mit Lues congenita [Zürich] 22p. 8°. Berl., J. Springer, 1930.

Also Virchows Arch., 1930, 276: 290-304.

JAKUBOWICZ, Abram [M. D., 1936, Genève] *Contribution à l'étude de la scoliose essentielle des adolescents et des adultes. 32p. 8°. Genève, Imp. du Commerce, 1936.

JAKUBOWICZ, Szlama [M. D., 1941, Basel] *Ueber Myelitis purulenta, Rückenmarksabscess. 30p. 22½cm. Basel, Volksdruck., 1941.

JAKUBOWITSCH, Bernhard [M. D., 1940, Basel] *Ueber den Randverlauf an unteren totalen Prothesen. 17p. illust. 23cm. Basel, S. Brin, 1940.

JAKUBOWITZ, Oskar, 1901— *Beitrag zur Klinik und Histologie der Adenomyosis (Adenomyohyperplasia) uteri interna [Berlin] 60p. 8°. Charlottenb., Gebr. Hoffmann, 1925.

JAKUBOWSKI, Abram, 1910— *Contribution à l'étude de la maladie d'Ehlers-Danlos. 59p. 8°. Par., L. Rodstein, 1927.

JAKUBOWSKI, Józef, 1797-1866.

For portrait see Collection in Library.

JALAGUIER, Adolphe, 1853-1924.

Lecène, P. Nécrologie. Bull. Soc. nat. chir., Par., 1930, 56: 53-72. Also Progr. méd., Par., 1930, 369-83.

JALAP [incl. glucosides]

See also Convolvulaceae; Gum; Ipomaea; Scammony.

Coï, A. *De damnis et abusu resinae ialappae. 26p. 4°. Halle Magdeb., 1750.

Bandoni, A. J. Consideraciones sobre la jalapa de la Farmacopea Argentina. Rev. As. méd. argent., 1934, 48: 718-21.—Beach, D. C., & Beeler, E. C. Resin of jalap, chloroform solubility. Bull. Nat. Formulary Com. U. S., 1940-41, 9:

102-4.—Beach, D. C., Fullerton, J. B., & Jenkins, G. L. Resin of jalap, chloroform solubility. Ibid., 1939-40, 8: 345.—Beeler, E. C. Resin of jalap, chloroform solubility. Ibid., 383-5.—Daenen, E. Falsification de la résine de jalap par de l'aloès. J. chim. méd., Par., 1866, 5. ser., 2: 217.—Dale, H. E. The analysis of jalap. Pharm. J., Lond., 1927, 119: 516.—[Dangerous jalap root] Pharm. tid., Kbh., 1864-65, 4: 425.—Haluska, L. A. Resin of jalap, tests for. Bull. Nat. Formulary Com. U. S., 1938-39, 7: 225-7.—Hollander, N. Beitrag zur Frage nach den pharmakologischen Eigenschaften des Jalapins und Gummigutts. Upsala läk. fören. förh., 1935, 41: 231-85.—Husa, W. J., & Fehder, P. Drug extraction; the effect of variation in solvents on the extraction of jalap. J. Am. Pharm. Ass., 1935, 24: 615-9.—Drug extraction; the extraction of jalap. Ibid., 1937, 26: 221-4.—Jalap, additional test. Bull. Nat. Formulary Com. U. S., 1938-39, 7: 88.—Mannich, C., & Schumann, P. Ueber Jalapenharz und dessen Hauptbestandteil, des Convolvulin. Arch. Pharm., Berl., 1938, 276: 211-26.—Nélis, H. Teinture de jalap composée; eau de vic allemande. Ann. pharm., Louvain, 1896, 2: 283-6.—[Pagliano-syrup] Pharm. tid., Kbh., 1863-64, 3: 222.—Youngken, H. W. A recent substitute for jalap. J. Am. Pharm. Ass., 1940, 29: 62-5.

JALAVISTO, Eeva [M. D., 1935, Helsinki]

*Quantitative Untersuchungen über Spannungsempfindungen und ihre doppelte, propriozeptiv-haptische Zuordnung. 208p. 8°. Helsin., Dr. Finn. Liter. Ges., 1935.

Also Acta Soc. med. Duodecim., 1935, ser A, 18:

JALEF, Gilbert, 1905— *Le chlorhydrate de choline et ses applications en thérapeutique. 103p. 8°. Par., Impr. Vieillemand, 1932.

JALET, J.

See Le Bourdellès, B., & Jalet, J. La tuberculose du lobe azygos. 158p. 8°. Par., 1933.

JALKH, Camille, 1907— *Contribution à l'étude des traitements chirurgicaux du lupus tuberculeux. 102p. 8°. Par., M. Vigné, 1933.

JALLADEAU, Jacques, 1909— *Malformations congénitales associées au syndrome de Klippel-Feil. 70p. 8°. 2 pl. Par., Jouve & cie, 1936.

JALLER, Lévy, 1899— *La doctrine du mouvement et son application rigoureuse dans la science médicale. 78p. 8°. Par., Jouve & cie, 1934.

JALLEY, Jean, 1903— *Diagnostic de la grossesse par injections à la lapine. 81p. 6 pl. 8°. Par., A. Legrand, 1933.

JAM.

See also Confection; Food; Fruit, Preservation; Jelly; Preserve.

Cronshaw, H. B. How the British make jams. Food Indust., 1941, 13: No. 5, 74; No. 6, 71.—Hinton, C. L. The examination of fruits and jams by lead precipitation. Analyst, Lond., 1934, 59: 248-73. ——— & Macara, T. The composition of some jam fruits and the determination of the fruit content of jams. Ibid., 1940, 65: 540-59.—Jam. Brit. Food J., 1941, 43: 3.—Jam (The) Analyst, Lond., 1942, 67: 19.—Jam; deficiency of fruit. Brit. Food J., 1940, 42: 56; 1942, 44: 46.—Jam when sugar is scarce. Lancet, Lond., 1940, 2: 75.—Jarussowa, N. Durch Zusatz von Tannennadelaufgusskonzentrat mit Vitamin C bereicherte und nicht bereicherte Apfelmarmelade als Vitamin-C-Träger. Zschr. Unters. Lebensmitt., 1935, 70: 538-40.—Raspberry and redeurrent jam; fruit deficiency. Brit. Food J., 1941, 43: 84.

JAMAICA. Weather Bureau. Meteorological observations. Kingston (1928) 1929—

— The rainfall of Jamaica from about 1870 to end of 1929, 60-year period. 46p. Jamaica, 1934.

— Jamaica weather report. 4°. Kingston, 1934—

— Jamaica rainfall. Kingston (1940) 1941—

JAMAICA.

See also Health organization, Jamaica; also West Indies.

British (A) dependency without a hospital. Lancet, Lond., 1915, 2: 158.—Fitz-Ritson, W. Development of public health service in Jamaica. Jamaica Pub. Health, 1935, 10: 40-2.—Gosse, P. A pirate and his physicians. S. Bartholemew Hosp.

J., Lond., 1934-35, 42: 205.—Halawani, A. E. Public health problems in Jamaica. J. Egypt. M. Ass., 1933, 16: 47-79.—Jamaica; medical research. In Med. Res. in Colonies (Gr. Brit. Colon. M. Res. Com.) 1929, 69.—Mayo, W. J. Observations on South America; Jamaica and Canal Zone. J. Am. M. Ass., 1920, 75: 311-5.—Nuñez, S. La sanidad en Jamaica y Puerto Rico. Bol. Of. san. panamcr., 1934, 13: 908-17.

JAMAICA, N. Y.

See under New York, N. Y.

JAMAICA PLAIN, Mass. Faulkner Hospital. Annual report. Jamaica Plain, v.1-10, 1903-14. Incomplete.

JAMAICA public health. Kingston, 8: 1933-

JAMAIN, Charles, 1837-1930.

[Nécrologie] Bull. Soc. belge opht., 1930, 13.

JAMAIN, Jean Alexandre. Manuel de petite chirurgie. 6. éd. 1060p. illust. 12° Par. G. Baillière & cie, 1880.

JAMBLICHUS. -333 A. D. De mysteriis Egyptorum. 185 l. fol. Venezia, Aldus Manutius, Sept. 1497.

— [The same] De mysteriis Aegyptorum [ed. M. Ficino] 544p. 32° Lyon, J. de Tournes, 1577.

JAMBON, René, 1911- *Dystrophies dentaires et hérédosyphilis [Paris] 60p. 8° Rennes, Imp. Prov. de l'Ouest, 1937.

JAMBON, Suzanne, 1905- *Contribution à l'étude de la forme pseudo-phlegmonieuse de l'angine diphthérique. 47p. 8° Par. Jouve & cie, 1931.

JAMBON, Yves, 1904- *Contribution à l'étude du traitement de l'asthme; auto-vaccinothérapie. 52p. 8° Par. Jouve & cie, 1929.

JAMBUL.

See also Myrtaceae.

Mercier, F., & Vieu-Bonnafoy, J. Action hypoglycémiant expérimentale des semences de jambul, *Syzygium jambolana*, Lam. C. rend. Soc. biol., 1940, 133: 150-2.

JAME.

See Jacquemart, Clavelin, C. & Jame. Le service de santé militaire du temps de paix et du temps de guerre. 6. éd. 455p. 8° Par. 1934.

JAME, Raymond, 1903- *Les dyspepsies gastriques des affections non ulcéreuses du duodénum. 168p. 8° Par., C. Serre, 1934.

JAMES I, 1566-1625 [King of England, Scotland, and Ireland, 1603-1625]

Riddell, W. R. The death of King James I, a medicolegal study. Med. J. & Rec., 1929, 130: 343-5.

JAMES, Alexander, 1851-1932.

For obituary see Proc. Roy. Soc. Edinburgh, 1931-32, 52: 463.

JAMES, C. Carkeet. Oriental drainage; a guide to the collection, removal and disposal of sewage in eastern cities; with a glossary of sanitary and engineering terms. xi, 260p. pl. 8° Bombay, Times of India pr., 1902.

JAMES, Constantin, 1813-88. Guide pratique aux eaux minérales, aux bains de mer et aux stations hivernales; augmenté d'un traité d'hydrothérapie. 11. éd. iv, 695p. 12° Par., G. Masson [18..]

JAMES, Ellery Meredith, 1913- *The deleterious effect of pulmonary embolism on the heart [Asbury Hosp., Minneapolis] 36p. 28cm. [n. p.] 1940.

JAMES, Frederic, 1895- Principles of dental histo-pathology, clinical pathology and therapeutics. 2. ed. ix, 526p. illust. 8° Ann Arb., Edwards bros, 1934.

— The treatment and control of oral infection. vi, 118p. illust. pl. 8° Cincin., Ruter press, 1935.

JAMES, G. V.

See Harris, I., Aldred, C. N. [et al.] High blood pressure 132p. 8° Lond., 1937.

JAMES, George Payne Rainsford, 1801-60.

P., V. G. Medical traditions and experiences of a Victorian novelist. Brit. M. J., 1927, 2: 562.

JAMES, George Richard, 1894-1928.

For obituary see J. Path. Bact., Edinb., 1928, 31: 920.

JAMES, George Vaughton. Water treatment; a comprehensive treatise on the treatment of water for all purposes and effluents; purification, sterilisation, coagulation, filtration, storage of industrial and domestic water. xi, 224p. illust. pl. diagr. 23½cm. N. Y., Chemical pub. co., 1941.

JAMES, H. E. O. The localization of sound. 38p. diagr. 8° Lond., H. M. Stat. Off., 1936. Forms No. 207, Med. Res. Council. Spec. Rep. Ser.

See also Shaxby, J. H., Gage, F. H. [et al.] Report of the Committee upon the Physiology of Hearing; studies in the localization of sound, pt B. 51p. 8° Lond., 1932.

JAMES, John. Dental local anaesthesia. 126p. 8° Edinb., E. & S. Livingstone, 1929.

JAMES, John Angell. Memoir of Clementine Cuvier, daughter of Baron Cuvier; with reflections by . . . 96p. 16cm. N. Y., Am. Tract Soc. [after 1828]

JAMES, Lawrence J. *Addison's disease [Marquette Univ.] 28p. 4° Wauwatosa, Wis., 1931.

Typewritten.

JAMES, Maurice T. Neotropical flies of the family Stratiomyidae in the United States National Museum. p.595-607. 8° Wash., 1939.

Forms v.86, No. 3065, Proc. U. S. Nat. Mus.

JAMES, Norah C. Hospital; a novel. 312p. 8° Lond., Duckworth [1932]

JAMES, Paul, 1911- *Contribution à l'étude de la sympathose glaucomateuse. 71p. 24cm. Par., C. Doin, 1939.

JAMES, Percival Rowland. The baths of Bath in the sixteenth and early seventeenth centuries. 176p. 6 pl. 20½cm. [Bristol] Arrowsmith [1938]

JAMES, René, 1911- *Contribution à l'étude des hémorragies digestives révélatrices des cirrhoses. 64p. 8° Par., E. Le François, 1938.

JAMES, Robert, 1705-76.

Translator of Ramazzini, B. Diseases of tradesmen. 95p. 8° N. Y. [1933]

See also Burr, C. W. Robert James, and his medical dictionary. Ann. M. Hist., 1929, n. ser., 1: 180-90.—Hazen, A. T. Samuel Johnson and Dr Robert James. Bull. Inst. Hist. M., 1936, 4: 455-65.—Stine, L. [Biography] Bull. M. Libr. Ass. 1940-41, 29: 187-98.

JAMES, Robert Rutson, 1881- Studies in the history of ophthalmology in England prior to the year 1800. x, 255p. pl. portr. 8° Cambr., Cambridge Univ. pr., 1933.

See also Bloom, J. H., & James, R. R. Medical practitioners in the diocese of London; an annotated list 1529-1725. 97p. 12° Cambr., 1935.

JAMES, Sidney Price, 1870-

For portrait see Collection in Library.

JAMES, Thomas Chalkley, 1776-1835.

Thoms, H. Thomas Chalkley James, a pioneer in the teaching of obstetrics in America. Am. J. Obst., 1935, 29: 289-94.

For portrait (engraving by Neagle) see Collection in Library.

JAMES, W. T. Morphologic form and its relation to behavior. p.525-643. 26cm. Phila., Wistar Inst. Anat., 1941.

In Genet. & Endocr. Basis Differ. Form & Behavior (Stockard, C. R.)

See also Liddell, H. S., James, W. T., & Anderson, O. D. The comparative physiology of the conditioned motor reflex. 89p. 26cm. Balt., 1934.

JAMES, Walter Belknap, 1858-1927.

For obituary see J. Am. M. Ass., 1927, 88: 1250. Also Med. J. & Rec., 1927, 125: 635. Also Ment. Hyg., Alb., 1927, 11: 681-7.

JAMES, William. Dictionary of the English and German languages; German-English and English-German in one volume. 43. ed. xii, 532p. 8° N. Y., Macmillan co. [n. d.] Also 54. ed. xii, 532p. 8° Lpz., B. Tauchnitz, 1936.

JAMES, William, 1842-1910. Psychology. xiii, 478p. 8° N. Y., H. Holt & co., 1892.

— The varieties of religious experience; a study in human nature; being the Gifford lectures on natural religion delivered at Edinburgh in 1901-2. xviii, 526p. 18cm. N. Y., Modern Library [1902]

For biography see Am. J. Psychol., 1942, 55: 309, portr. Also Nature, Lond., 1942, 149: 47.

See also Allport, G. W. The productive paradoxes of William James. Psychol. Rev., 1943, 50: 95-120.—Angier, R. P. Another student's impressions of James at the turn of the century. Ibid., 132-9.—Baum, M. William James and psychical research. J. Abnorm. Psychol., 1935, 30: 111-8.—Boring, E. G. Human nature vs sensation; William James and the psychology of the present. Am. J. Psychol., 1942, 55: 310-27.—Centenary of the birth of William James. Psychol. Rev., 1943, 50: 82-139.—Delabarre, E. B. A student's impressions of James in the late '80's. Ibid., 125-7.—Dewey, J. The Principles [of psychology of William James] Ibid., 121.—Heidbreder, E. The psychology of William James. In her Seven Psychol., N. Y., 1933, 152-200.—Leroux, E. Notes toward the completion of a bibliography of the writings of William James. J. Philos., 1927, 24: 201-3.—Nagel, E. The progress of science. Sc. Month., 1942, 55: 379-81, portr.—Perry, R. B. James the psychologist, as a philosopher sees him. Psychol. Rev., 1943, 50: 122-4.—Spoerl, H. D. Abnormal and social psychology in the life and work of William James. J. Abnorm. Psychol., 1942, 37: 3-19.—Starbuck, E. D. A student's impressions of James in the middle '90's. Psychol. Rev., 1943, 50: 128-31.—Thorndike, E. L. James' influence on the psychology of perception and thought. Ibid., 87-94.—Winkler, J. K., & Bromberg, S. William James, a psychological prima donna. In their Mind Explorers, N. Y., 1939, 146-83.

See also Brett, G. S. [In memory] Am. J. Psychiat., 1942-43, 99: 454-7.—Nécrologie. Rev. psychol., Brux., 1910, 3: 375.—Obituary. South. M. & S., 1939, 101: 91.

For portrait see Collection in Library. Also Psychol. Rev., 1943, 50: 82.

JAMES, William Daniel, 1885-

For biography see Phi Chi Q., Menasha, 1938, 35: 655, portr.

JAMES, William McCully, 1880-1942.

For obituary see J. Am. M. Ass., 1942, 119: 1215.

JAMES, William Warwick, 1874-

, & FICKLING, Benjamin William. Injuries of the jaws and face, with special reference to war casualties. xi, 199p. illust. diagr. 25cm. Lond., J. Bale & Staples [1940]

JAMESON, Charles Harold, 1893-

For portrait see J. Maine M. Ass., 1942, 33: 163.

JAMESON, Edwin Milton, 1902- Gynecological and obstetrical tuberculosis. 256p. illust. diagr. 8° Phila., Lea & Febiger, 1935.

— Gynecology and obstetrics. xv, 170p. illust. pl. 16° N. Y., P. B. Hoeber, 1936.

JAMESON, Howard Leon, 1881-1942.

Bortz, E. L. [Obituary] Ann. Int. M., 1942, 17: 378.

JAMESON, Patrick Chalmers, 1867-1939.

For obituary see Brooklyn Hosp. J., 1940, 2: 5, portr. Also Ohly, J. H. [Obituary] Tr. Am. Ophth. Soc., 1940, 38: 15-7, portr. Also Arch. Ophth., Chic., 1940, 23: 641-4, portr.

JAMESON, Sir William Wilson, 1885-, & PARKINSON, George Singleton. A synopsis of hygiene, specially intended for those studying for a diploma in public health. 3. ed. vii, 541p. pl. 8° Lond., J. & A. Churchill, 1930. Also 5. ed. viii, 623p. 1936. Also 6. ed. viii, 687p. 22cm. 1939.

JAMESTOWN [Virginia] Dental Convention. Transactions of the Jamestown Dental Convention, held at Norfolk, Va., September 10, 11, and 12, 1907. xxiv, 118p. illust. portr. 8° Phila., Dental Cosmos, 1908.

JAMET, Charles, 1905- *Diptéries frustes et cachées des voies aériennes supérieures

chez l'adulte sans manifestations angineuses. 76p. 2 pl. 8° Par., M. Vigné, 1932.

JAMET, Lucienne, 1905- *Traitement des algies zostériennes par irradiation du ganglion de Gasser. 90p. 8° Lyon, Bosc fr., 1935.

JAMET, Marcel, 1909- *Contribution à l'étude des tumeurs bénignes pendulaires de l'amygdale. 68p. 25½cm. Par., Vigot fr., 1939.

JAMIESON, Edward Bald [M. B., 1906, Edinburgh] A companion to manuals of practical anatomy. 3. ed. xxxv, 654p. 16° Lond. H. Milford [1932] Also 5. ed. 734p. 16½cm. Oxford Univ. pr., 1942.

— Illustrations of regional anatomy. 7 sect. (bd separately) v. pl. 8° Edinb., E. & S. Livingstone, 1934-37. Also 3. ed. Sect. I-V. 5v. 21 x 16½cm. 1941. Also 4. ed. Sect. 2: 1942-

— Illustrations of anatomy for nurses. 2 l. 62 pl. 8° Edinb., E. & S. Livingstone, 1938.

See also Robinson, A., & Jamieson, E. B. Surface anatomy. 175p. 8° Lond., 1928.

Editor of Cunningham, D. J. Cunningham's text-book of anatomy. 7. ed. 1506p. roy. 8° N. Y., 1937.

Also editor of Dixon, F. Dixon's manual of human osteology 2. ed. 465p. 12° Lond., 1937.

JAMIESON, Elizabeth Marion, & SEWALL, Mary. Ethics notebook for nurses. [48]p. 4° Phila., J. B. Lippincott co., 1931.

— Trends in nursing history; their relationship to world events. ix, 570p. illust. 20½cm. Phila., W. B. Saunders co., 1940.

JAMIN, Ernest, 1910- *Du respect de l'ovaire en chirurgie gynécologique 99p. 24cm. Par., Jouve & cie, 1939.

JAMISON, Alcinous Burton, 1851- Intestinal irrigation; or, Why, how and when to flush the colon; treated in connection with other matters of physiological interest and importance. 5. ed. x, 210p. 5 pl. 12° N. Y., Tyrrell Hygienic institute [1929]

JAMISON, Reginald, -1942.

For obituary see S. Afr. M. J., 1942, 16: 193.

JAMISON, Stanford Chaille, 1887-

For biography see N. Orleans M. & S. J., 1934-35, 87: 707, portr.

JAMMET, Claire, 1900-

*Villemin; sa vie et son oeuvre (1827-92) 63p. portr. 8° Par., M. Vigné, 1933.

JAMMET, Marie Louise, 1905-

*Le syndrome de nanisme rénal. 137p. 8° Par., A. Legrand, 1936.

JAMOT, Eugène, 1879-1937.

Mesnil, F. [Nécrologie] Presse méd., 1937, 45: 850. portr.—Nécrologie. Bull. Soc. path. exot., 1937, 30: 337-40.

JAMOT, Marcel France, 1909-

*Contribution à l'étude expérimentale de l'intoxication par le tétrachlorure de carbone. 60p. pl. 8° Par., Jouve & cie, 1936.

JAMPOLSKY, Maurice, 1901-

*De quelques considérations sur les congestions pulmonaires idiopathiques de la nature tuberculeuse de quelques-unes d'entre-elles. 114p. 8° Par., Jouve & cie, 1928.

JAMVOLD, Ellinor, 1890-

Portrait. In Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 169.

JAN, Robert, 1906-

*Contribution à l'étude des métastases osseuses révélatrices des cancers ignorés de la prostate. 45p. 8° Par., Le François, 1932.

JANAUD, Pierre, 1904-

*Contribution à l'étude de l'épiphysite vertébrale douloureuse des adolescents. 77p. pl. 8° Par., L. Arnette, 1929.

JANCKE, Editha, 1908— *Magencarcinom auf dem Boden von chronischem Magengeschwür. 20p. 8° Tüb., A. Becht, 1934.

JANCKE, Fritz [Eugen Edmund] 1901— *Thermophile Bakterien in Milch: Beiträge zur Biologie der Thermophilen [Kiel] p.303–50. 8° Berl., J. Springer, 1928.

Also *Milchwirtschaftl. Forsch.*, 1928, 6:

JANCKE, Gerd, 1907— *Die Bewertung der Vorgeschichte für die Aetiologie und für die Diagnose von Uterusgeschwülsten. 18p. 8° Greifswald, H. Adler, 1933.

JANCKE, Gerhard, 1906— *Ueber spontane innere Gallen fisteln und ihre klinische Bedeutung nach 109 Fällen der Giessener Chirurgischen Klinik [Giessen] 45p. 8° Grünberg, H. Ritter, 1934.

JANCKE, Herbert, 1898— *Zwei Fälle von Dementia infantilis [Bonn] p.114–27. 8° Bonn, P. Kubens, 1929.

Also *Arch. Kinderh.*, 1929, 88:

JANCKE, Ursula, 1912— *Die unterschiedliche Fruchtbarkeit in den einzelnen Jenaer Bevölkerungsschichten [Jena] 27p. 21cm. Borna-Lpz., R. Noske, 1937.

JANDER, Wolfgang, 1905— *Ueber Verkalkungsprozesse im Gehirn mit einem eigenen Fall. 32p. pl. 8° Walldorf-Heidelb., F. Lamade, 1931.

JANDRAIN, Richard Raymond, 1896— *A study of twenty cases diagnosed as eclampsia [Marquette] 13p. 4° Milwaukee [n. p.] 1930. Typed.

JANE, Julio, 1901— *Etude sur la médecine de l'homme préhistorique. 54p. 8° Par., E. Le François, 1934.

JANEAU, Charles, 1908— *L'alcoolisation des nerfs intercostaux; traitement adjuvant de la tuberculose pulmonaire. 119p. 8° Par., M. Vigné, 1936.

JANET, Charles. Le volvox [Mém. 1–3, pt 1] 3 pts. plates. 8° Limoges [& v. p.] Ducourtieux & Gout [et al.] 1912–23.

— L'alternance sporophyto-gamétophytique de générations chez les algues. 108p. 8° Limoges, Ducourtieux & Gout, 1914.

— Sur la phylogénèse de l'orthobionte. 72p. pl. 8° Limoges, Ducourtieux & Gout, 1916.

— Sur le Botrydium granulosum. 6p. 8° Limoges, Ducourtieux & Gout, 1918.

— Considérations sur l'être vivant; la characée considérée au point de vue orthobiontique. 54p. pl. 4° Beauvais, Dumontier & Hagué, 1922.

— Revendications. 13p. 10 pl. (1 fold.) 24cm. Limoges, Ducourtieux, 1923.

JANET, Henri [M. D., 1922, Paris] Maladies de la glande thyroïde. p.635–94. Par., Masson & cie, 1934.

In *Traité méd. enf.* (Nobécourt & Babonneix) Par., 1934, 1:

JANET, Jules, 1861— Diagnostic et traitement de la blennorrhagie chez l'homme et chez la femme. 536p. 8° Par., Masson & cie, 1929.

JANET, Paul, 1823— Le cerveau et la pensée. 179p. 12° Par., Baillière, 1867.

JANET, Pierre, 1859— L'état mental des hystériques; études sur divers symptômes hystériques. 3. éd. viii, 168p. 8° Par., F. Alcan, 1931.

— La force et la faiblesse psychologiques; texte intégral des conférences d'après les notes sténographiques recueillies et rédigées par M.

Miron Epstein. 326p. 8° Par., N. Maloine, 1932.

See also **Faber, A.** [Pierre Janet and psychotherapy] *Ugeskr. laeger*, 1926, 87: 551.—**Ray, M. B.** Pierre Janet. In *her Doctors of the Mind*, Bost., 1942, 97.

JANEWAY, Edward Gamaliel, 1841–1911. For photograph see Collection in Library.

JANEWAY, Theodore Caldwell, 1872–1917. For portrait see Collection in Library.

JANICEPS.

See under **Abnormities**, double; **Face**, Abnormity; **Head**, Abnormity.

JANK, Fritz, 1902— *Versuche über die Verwendbarkeit der Ratte in der experimentellen Vaccineforschung [Rostock] 22p. 8° Hamb., A. Brünner, 1933.

JANIN, Eugène, 1898— *Fonctionnement du service social à l'hôpital et en particulier à la Maternité de l'Hôpital Lariboisière. 52p. 8° Par., Jouve & cie, 1929.

JANISCH, Otto [Hermann Erich] 1908— *Beitrag zur Frage der mucoiden Degeneration in Arterienwänden bei Spontanrupturen und Aneurysmata dissecantia-Bildungen der Aorta [Berlin] 31p. 23cm. Charlottenb., K. & R. Hoffmann, 1939.

JANK [Moritz] Curt, 1900— *Sexualdelikte bei Kindern. 16p. 23½cm. Lpz., E. Gärtner, 1937.

JANKE, Carstan Wilhelm, 1867— *Portrait*. In *Norges laeger* (Kobro, I.) Krist., 1915, 1: 591.

JANKE, Georg, 1911— *Die Anomalien des Wurzelverlaufs; ihre Erklärungen und die kritische Betrachtung dieser Erklärungen. 23p. 8° Bresl., Genoss.-Buchdr., 1935.

JANKE, Günther, 1909— *Die Heilung unter dem Schorf bei scharfer und elektrischer Wundsetzung [Breslau] 19p. 21cm. Brieg-Bresl., B. Berger, 1937.

JANKE, Martin, 1907— *Erfolge und Misserfolge bei der operativen Behandlung der Varizen [Rostock] 56p. 8° Grossenhain, H. Plasnick, 1933.

JANKE, Siegfried [Karl Helmuth] 1902— *Der Pont'sche Index und seine Anwendung auf das Milchgebiss. 31p. 6 tab. 8° Greifswald, H. Adler, 1936.

JANKER, Robert, 1894— Röntgenganz-aufnahmen des Menschen; Darstellung des normalen Skeletts seiner ererbten und erworbenen Veränderung. 17 [80]p. pl. fol. Lpz., J. A. Barth, 1934.

JANKNECHT, Franciscus Ludovicus Wilhelmus, 1861–1939.

For obituary see *Geneesk. gids*, 1939, 17: 300, portr.

JANKOFF, Petko, 1900— *Dilatationsverletzungen der Cervix uteri mit lebensgefährlicher Blutung. 20p. 8° Münch. [n. p.] 1929.

JANKOFF, Tanjo, 1901— *Zur Behandlung der tabischen Schnerveneropathie mit Impfmalaria. 32p. 8° Lpz., E. M. Löffler, 1929.

JANKOVSKY, Paul Georges, 1907— *Des fistules congénitales latérales basses du cou [Paris] 60p. 8° Riga [n. p.] 1937.

JANKOWSKI, Else, 1908— *Ueber die Frage des Ueberlebens bei Kohlenoxydvergiftung mehrerer Personen vom gerichtlich-medizinischen Standpunkt [Breslau] 23p. 8° Bleicherode-Herz, C. Nieft, 1936.

JANKOWSKY, Ernst. Leitfaden zur Pulpa- und Wurzelbehandlung; auf Grund bakteriologischer Untersuchungen, mikroskopischer Studie und 25 jähr. praktischer Erfahrung. 112p. illust. 21½cm. Berl., M. Gehlen, 1939.

- JANKOWSKY, Kurt**, 1901— *Versuche und klinische Erfahrungen über die Beeinflussung der Magenazidität durch Bellafofin im Vergleich zu Atropin und Eumydrin [Halle-Wittenberg] 24p. 8°. Halle-Saale, O. Jung, 1927.
- JANN, Max** [M. D., 1934, Basel] *Die Geburten der letzten 20 Jahre in Basel-Stadt [Basel] 24p. 8°. Altdorf, Huber, 1934.
- JANNAS, Evangelos**, 1903— *Zur Kenntnis des tödlich verlaufenden Fruchtabtreibungsversuches bei nicht vorhandener Schwangerschaft mit einem kasuistischen Beitrag. 28p. 8°. Münch. [n. p.] 1930.
- JANNASCH [Alfred] Rudolf**, 1909— *Zur Geschichte der zahnärztlichen Füllamente und ihrer chemischen Zusammensetzung [Leipzig] 35p. 8°. Würzb., R. Mayr, 1935.
- JANNASCH, Hermann**, 1893— *Ueber die Sanoecrysinbehandlung der Lungentuberkulose im Vergleich zur Partigenterapie (Breslau) 40p. 8°. Lübeck, M. Schmidt-Römhild, 1926.
- JANNASCH [Ludwig Michael] Karl**, 1910— *Schädelveränderungen bei Agnathie [Greifswald] 19p. 8°. Neustadt-Aisch, P. C. W. Schmidt, 1934.
- JANNEY, Francis Rush**, 1894— For portrait see Wisconsin M. J., 1941, 40: 1268.
- JANNEY, Oliver Edward**, 1856–1930. Medical adviser; or How to treat the sick and the injured. 73p. 16°. Balt., Maryland Homoeopathic Pharmacy co., 1900.
For obituary see J. Am. M. Ass., Chicago, 1930, 95: 1929.
- JANNIC, Clet Jacques Marie**, 1908— *De quelques parathyroïdectomies [Paris] 83p. 8°. Rennes, Imp. Prov. Ouest, 1936.
- JANNIN, Albert Antoine**, 1907— *Recherches d'anthropologie anatomique sur le calcaneum. 75p. pl. 25cm. Bord., Brusau fr., 1933.
- JANNIN, Louis**, 1914— *Résection endoscopique de la prostate soins postopératoires et complications. 89p. 25½cm. Lyon, M. & L. Riou, 1939.
- JANNULIS, George Euth**, 1908— *Sauerbruch - Hermannsdorfer - Gerson'schen Diätbehandlung und Mineralogen. 28p. 8°. Giessen, O. Kindt, 1930.
- JANNY, Julius**, 1842— For portrait see Billroth, C. A. T. Billroth's Assistenten von 1867–89; group photograph in Library.
- JANOTA, Otakar, & WEBER, Klement**. Die paroxysmale Lähmung; eine Studie über ihre Klinik und Pathogenese. 118p. 8°. Berl., S. Karger, 1925.
Forms H. 46, Abh. Neur. Psychiat.
- JANOVSKY, Michael Vladimirovich**, 1854–1927.
Gurevitch, G. [Obituary] Russk. klin. 1928, 9: No. 45, 3–5.—Krilov, D. [In memoriam] Vrach. delo, 1928, 11: 361–4. Also Vrach. gaz., 1927, 31: 1555–8.
- JANOWITZ, Maria**, 1906— *Beitrag zum Herzaneurysma [Berlin] 43p. 8°. Charlottenb., K. & R. Hoffmann, 1937.
- JANOWSKY, Sam**, 1905— *Der Einfluss der Witterung auf das CO₂-Bindungsvermögen des Blutes von Zuckerkranken. 22p. 8°. Münch., P. Waizmann, 1937.
- JANSE, Joseph**,
See Wells, B. F., & Janse, J. Chiropractic practice. v.1: Infectious diseases. 139p. 23cm. Chic., 1942.
- JANSEN, Albert**, 1859–1933. *Proeven over transplantatie der schildklier. 95p. 4 pl. 23½cm. Utrecht, P. den Boer, 1911.
See also Alexander, G. [Biography] Mschr. Ohrenh., Wien, 1930, 64: 117–25, portr.—Claus, H. Nekrolog. Arch. Ohr. &c. Heilk., 1933–34, 137: 7–9.—Neumann, H. Nekrolog. Mschr. Ohrenh., Wien, 1933, 67: 1279.
- JANSEN, Curt**, 1899— *Die Milchverwertung durch das moderne Molkereigerwerbe [Kiel] 134p. 8°. Berl., R. Kühn, 1927.
- JANSEN, Ernst**, 1907— *Der Einfluss der Substitution auf die kolloidchemische Wirkung von Essigsäure- und Phenolderivaten und die Beziehungen zu desinfizierenden Eigenschaften [Bonn] 28p. 8°. Berl., F. C. W. Vogel, 1931.
Also Arch. exp. Path., Lpz., 1930, 158: 1–28.
- JANSEN, Ernst Adolf**, 1906— *Inwieweit begünstigen die anatomischen Verhältnisse im Molarenbereich der Kiefer das Zustandekommen von Zahnbetterkrankungen. 31p. 8°. Bonn, H. Trapp, 1933.
- JANSEN, Hanns Ernst [Gustav]** 1904— *Das Proletariat im Vormärz in den Anschauungen deutscher Denker [Kiel] 97p. 8°. Essen, Reismann-Grone, 1928.
- JANSEN, Hans**, 1892— *Ueber toxische Wirkungen des Naphthalin und die therapeutische Verwendung desselben. 23p. 8°. Bonn, P. Rost, 1920.
- JANSEN, Hans Hugo**, 1906— *Ueber Pyknolepsie [Leipzig] 52p. 8°. Zeulenroda, A. Oberreuter, 1934.
- JANSEN, Heinrich**, 1902— *Ueber Luxationen im Lisfrancschen Gelenk an Hand eines Falles [Heidelberg] 11p. 8°. [Wertheim a. M., E. Beckstein] 1932.
- JANSEN, Heinrich**, 1907— *Woran Sterben die an Appendicitis Operierten? 19p. 8°. Würzb., R. Mayr, 1934.
- JANSEN, Helmut**, 1910— *Ein Fall von foudroyanter Meningokokkensepsis und ein Versuch seiner ätiologischen Deutung [Breslau] 20p. 8°. Weende-Gött., F. Pieper, 1938.
- JANSEN, Hendrik Jacobus**, 1904— *Zur Kasuistik des Schleimhautlupus und des Lupuskarzinoms im Bereiche der Mundhöhle. 103p. 21½cm. [Münster i. W., n. p.] 1937.
- JANSEN, Ilse**, 1910— *Elektrische Punktschweissung bei orthodontischen Stahlapparaten. 31p. tab. 8°. Bonn, L. Neuendorff, 1935.
- JANSEN, James Christian**, 1868— Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 592.
- JANSEN, Jan Birger**, 1898— Portrait. In Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 170.
- JANSEN, Josef**, 1908— *Ueber die in den Jahren 1930–34 beobachteten angeborenen Kolobome des Augapfels [Würzburg] 23p. 21cm. Ochsenfurt a. M., Fritz & Rappert, 1936.
- JANSEN, Josef**, 1908— *Ein Beitrag zur Chirurgie der Meningiome [Münster] 33p. 21cm. Quakenbrück, R. Kleinert, 1937.
- JANSEN, Karl**, 1905— *Studien über das weisse Blutbild bei Hautkrankheiten [München] 37p. 8°. Borna-Lpz., R. Noske, 1930.
- JANSEN, Lars**, 1866–1909.
Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 593.
- JANSEN, Leo**, 1907— *Der Bau des Herzens von Ciconia atra. 27p. 25cm. Münster i. Westf., H. Buschmann, 1938.
- JANSEN, Lucy**, 1894— *Die Radioaktivität der Tübinger Quellen. 16p. 8°. Tüb., E. Göbel, 1929.
- JANSEN, Maria**, 1913— *Ueber die Auswirkung der Funktion an Zähnen und Kiefern auf Grund der Untersuchung nicht entkalkter Zahn-Knochenschliffe. 35p. 20½cm. Bonn, H. Trapp, 1938.

- JANSEN, Murk, 1867–1935.**
Hohmann, G. Nekrolog. Arch. orthop. Unfallchir., 1934–35, 35: 225, portr.—[Obituary] Geneesk. gids, 1935, 13: 239. Also J. Bone Surg., 1935, 17: 510, portr. Also Lancet, Lond., 1935, 1: 946. Also N. England J. M., 1935, 212: 451.—Spitz, H. Nekrolog. Zschr. orthop. Chir., 1935, 63: 161–3, portr.—Wilde, P. A. de [Obituary] Ned. tsehr. geneesk., 1935, 79: 1027, portr.
- JANSEN, Paul, 1904–** *Das Guttadiaphotverfahren. 62p. 8°. Bonn, P. Kubens, 1931.
- JANSER, Joseph.** *Ueber Eclampsia infantum. 39p. 8°. Zür., Genossenschafts-Buchdr., 1876.
- JANSEY, Felix, 1903–** First aid treatment. p.791–872. 22cm. Phila., F. A. Davis co., 1938.
In Art & Science of Nursing (E. L. Rothweiler & J. M. White)
See also Rothweiler, E. L., Coulter, J. S., & Jansey, F. The science and art of nursing. 1196p. 8°. Phila., 1935.
- JANSON, Adolf, 1908–** *Ueber das Fehlen der Stirnhöhlen insbesondere bei Supra-orbitalneuralgie [Würzburg] 15p. 8°. Karlstadt, J. Dietz, 1932.
- JANSON, Carl Maria, 1909–** *Ueber die sensiblen und motorischen Ausfallserscheinungen bei Lumbalanaesthesia (gleichzeitig ein Beitrag zur Frage der verschiedenen Empfindlichkeit sensibler und motorischer Nerven) [Freiburg] 37p. 8°. Mainz, Lehrlingshaus, 1932.
- JANSON, Ernst, 1909–** *Ueber die Behandlung besonders hartnäckiger Fälle männlicher Gonorrhoe [München] 20p. 21cm. Gütersloh i. Westf., Thiele, 1936.
- JANSON, Martin, 1904–** *Odontogener Abszess am äusseren Augenwinkel und Lidödem [Würzburg] 23p. 8°. Karlstadt, J. Dietz, 1927.
- JANSSSEN, Carl Wilhelm, 1900–**
Portrait. In Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 170.
- JANSSSEN, Charles Louis, 1886–1941.**
For obituary see Current Biogr., N. Y., 1941, 2: 433.
- JANSSSEN, Diedrich [Georg Richard] 1912–**
*Traumatische Lungenrupturen bei unversehrt Thorax. 48p. 22cm. Marb., A. Zetl, 1937.
- JANSSSEN, Gerhard, 1906–** *Die Methodik der Geruchsprüfung und ihre praktisch-klinische Bedeutung [Kiel] 20p. 8°. Libau, G. D. Meyer, 1930.
- JANSSSEN, Hubertus Anna, 1857–**
Wilde, P. A. de [Biography] Ned. tsehr. geneesk., 1932, 76: pt 1, 506.
- JANSSSEN, Joachim, 1904–** *Zur Kenntnis der Einschlafsucht (Narkolepsie) 19p. 21cm. Rostock, C. Hinstorff, 1936.
- JANSSSEN, Karl [Eduard] 1902–** *Vergleichende iontometrische Röntgenstrahlenmessungen zwischen Iontoquantimeter nach Wintz und Martius-Ionimeter, zugleich ein Beitrag zur Standarddosimetrie in R-Einheiten [Rostock] 27p. 8°. Gütersloh i. Westf., Thiele, 1934.
- JANSSSEN, Oltmann, 1911–** *Zur Erbbiologie der Retinitis pigmentosa [Münster] 17p. 21cm. Bremen, Anker, 1938.
- JANSSSEN, Rudolf, 1908–** *Ueber die gerichtsärztliche Bedeutung der congenitalen Lues [Bonn] 24p. 8°. Aachen, Westdeut. Dr.-Ges., 1934.
- JANSSSEN, Sigurd [M. D., 1927, Freiburg i. B.]**
*Der Gaswechsel des Skelettmuskels im Tonus [Freiburg i. B.] 25p. 8°. Lpz., F. C. W. Vogel, 1927.
- JANSSSEN, Wilhelm [Josef Albert Maria] 1899–** *Volkswirtschaftliche Betrachtungen über die Oelindustrie in Neuss [Philos.] [7]p. 22cm. Giessen [1923]

JANSSON, C. Gösta [M. D., 1924, Helsinki]
*Studier över den intermediära koksaltomsättningen hos människan (blodkoksaltspiegeln vid belastningsförsök) 137p. 8°. Helsin., Mercators Tryckeri, 1924.

JANSSONIUS, Hindrik Haijo [M. D., 1918, Groningen] *De tangential groei van eenige pharmaceutische basten. 60p. illust. 21cm. Groningen, M. De Waal, 1918.

JANTHUR, Walter, 1910– *Speichelsteine. 23p. 8°. Frankfurt a. M. [n. p.] 1936.

JANTKE, Werner, 1907– *Ueber den Kalzium-, Phosphor-, Kalium- und Cholesterinspiegel im Serum bei Frakturen [München] 38p. 8°. Königsb., R. Lankeit, 1933.

JANTZEN, Ernst, & SCHMALFUSS, Hans. Schonendes Eindampfen bei niederen Temperaturen. p.1479–528. 2 tab. Berl., Urban & Schwarzenberg, 1932.

In Abt. 5, Teil 2, pt 2, Handb. biol. Arbeitsmeth. (Abderhalden, E.)

JANTZEN, Friedrich Wilhelm, 1908–
*Bakteriologische und klinische Untersuchungen über Trifromazon. 31p. 8°. Rostock, C. Hinstorff, 1934.

JANTZEN, Julius, 1907– *Untersuchungen an Serienmodellen orthodontisch unbehandelter Kinder. 28p. 8°. Frankfurt a. M., J. D. Reuter, 1935.

JANUS, Kurt, 1904– *Ueber ein neues Gonorrhoeemittel Silberthiosulfat mit besonderer Berücksichtigung der theoretischen Grundlagen der Silbertherapie [München] 26p. 8°. Hamb., A. Brünner, 1930.

JANUS; Zeitschrift für Geschichte und Literatur der Medizin; hrsg. von A. W. E. Th. Henschel. Ersten Bandes erstes Heft. Breslau, Edward Trewendt, 1846. [v. p.] portr. 8°. Lpz., Alfred Lorentz, 1929.

True-to-original reprint of pt of vol. 1 of Janus, presented to the participants at the opening ceremony of the William H. Welch Medical Library and the Department of the History of Medicine of Johns Hopkins University, October 17–18, 1929.

JANUS.

Refait, R. Le dieu Janus; sa légende, son histoire. Aesculape, Par., 1938, 28: 206–11.

JANUS green.

See also Dye; Staining.

Supniewski, J. W., & Hano, J. L'action pharmacodynamique du vert de Janus sur la circulation des mammifères. Bull. internat. Acad. polon. sc., cl. méd., 1933, 389–98.

JANUS Plancus.

See Bianchi, Giovanni.

JANVIER, Paul, 1913– *L'alcool, cancer social. 31p. 25½cm. Par., Vigot fr., 1939.

JANVIER, Roger Edouard, 1907– *Le drainage du rein; son intérêt dans la chirurgie conservatrice. 184p. 15 pl. 8°. Par., L. Cario, 1937.

JANVRIN, Joseph Eduard, 1840–1911.

For photograph see Collection in Library.

JANY, Charles, 1896– *Etude radiologique des broncho-pneumonies aiguës de l'enfance. 102p. 8°. Par., M. Vigné, 1927.

JANY, Gabrielle, 1907– *L'élimination de l'eau dans la pratique courante. 109p. 8°. Par., A. Legrand, 1932.

JANY, René, 1906– *La densimétrie urinaire dans la pratique courante. 118p. 8°. Par., A. Legrand, 1932.

JANZ, Gerhard, 1902– *Beitrag zur Klinik der primären malignen Lungentumoren [Berlin] 33p. 8°. Charlottenb., Gebr. Hoffmann, 1926.

JANZ, Hans Werner, 1906—^{*Psychobiologische Untersuchungen an Ehefrauen chronischer Alkoholiker.} 82p. 8°. Königsb., J. Raabe, 1932.

JAPAN. Teikoku eisei hōrei. 3 p. l. 21p. 946p.; 31p. 8°. Tōkyō, 1910.

JAPAN. Bureau de la Statistique Générale au Cabinet Impérial. Résumé statistique de l'Empire du Japon. Tōkyō, 48., 1934—

— Résumé statistique du mouvement de la population de l'Empire du Japon. Tōkyō, 16. (1934) 1936—

JAPAN. National Research Council. Report. Tōkyō, v.1, 1922—

[JAPAN] Societas ophthalmologica japonica. Acta. Tōkyō, v.43, 1939—

[JAPAN] Societas paediatrica japonica.

See Acta paediatrica japonica (Zika zasshi)

[JAPAN] Society for the Promotion of Scientific Research.

See Palao Tropical Biological Station.

JAPAN. War Office. Reports to the questions at the study of the 6th International Congress of Military Medicine and Pharmacy concerned to Japan. 23p. 21cm. Tōkyō [1931]

JAPAN [and Japanese]

See also names of Japanese cities and occupied territories as **Formosa**; **Korea**; **Nagasaki**; **Osaka**; **Tokyo**; **Yokohama**; also **Orient**; **Pacific Islands**.

AKIMOTO, S. The lure of Japan. 371p. 8°. Tōkyō [1934]

EMBREE, J. F. The Japanese. 42p. 23½cm. Wash., 1943.

Bloch, K. How strong is Japan? Mil. Affairs, 1942, 6: 27-35.—Chamberlin, W. H. Who are these Japanese. Am. Mercury, 1942, 54: Feb., 155-64.—Hodgen, J. D. Japan. Tr. California Dent. Ass. (1909) 1910, 36. Sess., 207-13. Japanese (The) are tough. Mil. Rev., Fort Leavenworth, 1942-43, 23: No. 2, 58.—Japan's resources. J. Am. M. Ass., 1942, 118: 546.—Kaburaki, T. Preservation of zoological natural monuments in Japan. Proc. Pacific Sc. Congr. (1939) 1940, 6. Congr., 4: 225-7. — Further notes on the effect of some exotic animals upon the fauna of Japan. Ibid., 229.—Okada, Y. A revision of the parallelism between the distribution of lizards and that of frogs in the Japanese Empire. Ibid., 219-24.—Peffer, N. Japan's dilemma. Yale Rev., 1941-42, 31: 336-49.—Roosevelt, F. D. Resumen histórico de las relaciones entre los Estados Unidos de América y el Imperio del Japón; mensaje dirigido al congreso por el señor Franklin D. Roosevelt, Presidente de los Estados Unidos de América. Rev. mil., La Paz, 1942, 6: 399-410.—Shults, J. H. The true secret of the Japanese soldier's success. Los Angeles M. J., 1903-4, 1: 600-2.—Thomas, E. D. The philosophy, aims, and resources of the Japanese. Congressional Record, 1943, 89: A2571-3 (clipping)

— Archeology, anthropology, and ethnography. See also names of parts of the body.

JONES, T. E. ^{*Mountain folk of Japan; a study in method} [Columbia Univ.] 132p. 8°. N. Y., 1926.

Akabori, E. Crania nipponica recentia; analytical inquiries into the non-metric variations in the Japanese skull according to age and sex. Jap. J. M. Sc., 1933-34, 4: Anat., 61-351.—Akiba, T. Ueber Körperproportionen der japanischen Feten. Fol. anat. jap., 1924, 2: 189-219.—Akune, M. Zur serologischen Anthropologie der Japaner. Zschr. Morph. Anthropol., 1932, 30: 373-81, 3 pl.—Average (The) size of Japanese students. J. Am. M. Ass., 1935, 105: 1928.—Baelz, E. Zur Vor- und Urgeschichte Japans. Zschr. Ethnol., 1907, 39: 281-310.

— Die Menschenrassen Ostasiens. Mitt. Anthropol. Ges. Wien, 1909, 39: 18-30.—Biasuti, R. Contributi all'antropologia e all'antropogeografia dei popolazioni del Pacifico Settentrionale. Arch. antrop. etnol., Fir., 1910, 40: 51-96.—Differentiation between Chinese and Japanese. Dent. Digest, 1942, 48: 333.—Gowland, W. The burial mounds and dolmens of the early emperors of Japan. J. Anthropol. Inst. Gr. Britain, 1907, 37: 10-46.—Huruhata, T., & Kisi, T. On the biochemical racial-index of the Japanese in the Hokuriku District (northern part of middle Japan) Japan M. World, 1926, 6: 1-3. Also J. Immun., Balt., 1926, 12: 83-9.—Ito, P. K. Anthropometric study of new-born infants of Japanese parents in America. Am. J. Dis. Child., 1936, 52: 321-30. — Comparative biometrical study of physique of Japanese women

born and reared under different environments. Human Biol., 1942, 14: 279-351.—Koganei, Y. Bestattungsweise der Steinzeitmenschen Japans. Zschr. Ethnol., 1923, 55: 166-200.—Kohama, M. Physisch-anthropologische Untersuchungen über die Japaner in Süd-Kytsyū. Jap. J. M. Sc., 1940, 8: Proc. Anat., 29.—Kubo, Y. The revised and extended Binet-Simon tests, applied to the Japanese children. Pedagog. Semin., Worcester, 1922, 29: 187-94.—Mabuti, T. Ueber die Körpergröße und das Körpergewicht der japanischen Neugeborenen in der Gegend von Mukden. J. Orient. M., Dairn, 1939, 31: 25.—Matumoto, H. Notes on the Stone Age people of Japan. Am. Anthropol., 1921, 23: 50-67.—Matumoto, K. Ueber die Hautvenen der oberen Extremität bei den Japanern. J. Chosen M. Ass., 1933, 23: 102.—Matuno, K. Experiment on body mass of Japanese people. Bull. Nav. M. Ass., Tōkyō, 1932, 21: 1.—Miyake, S., & Nakayama, E. Somatometrische Untersuchungen der Kikaisima-Insulaner. Jap. J. M. Sc., 1941, 9: Proc. Anat., 38-41.—Montandon, G. Notice préliminaire sur les Ainou. Arch. Suisses anthropol. gén., 1920-21, 4: 233-46. — Ainou, Japonais, Bouriates. Anthropologie, Par., 1927, 37: 97, 48 pl.—Ninomiya, Y. Die serologische Blutuntersuchung bei Japanern und Ainu. Tohoku J. Exp. M., 1925, 6: 266-77.—Nisida, K. Statistische Vergleichung der Neugeborenen japanischer und chinesischer Rasse hinsichtlich Körpergewichts, Körperlänge, Kopf-, Schulter- und Brustumfanges. J. Orient. M., Dairn, 1936, 24: 13.—Nisioka, H., & Schenck, W. E. An outline of theories concerning the prehistoric people of Japan. Am. Anthropol., 1937, 39: 23-33.—No certain way to tell Japanese from Chinese. Science News Lett., 1941, 40: 394.—Okada, S., Sakurai, E., & Kameda, T. The basal metabolism of the Japanese. Arch. Int. M., 1926, 38: 590-602.—Okamoto, K. Die anthropologischen Merkmale im Knochensystem bei Hokuriku-Japanern. Jap. J. M. Sc., 1941, 9: Proc. Anat., 1-10.—Patey, G. A. Le nourisson japonais. Arch. méd. enf., 1938, 41: 216-28.—Sakai, K., Yuge, G. [et al.] Habitus und Konstitutionsuntersuchungen bei Takasago-Kindern, eingeborene in Taiwan. Acta paediat. jap., 1939, 45: 66 (Abstr.).—Sinotuka, H. Das Resultat der ärztlichen Untersuchung über den Körperbau der mongolischen Schüler in Cha-lan-tun; über die Handkraft. J. Orient. M., Dairn, 1939, 31: 119.—Sternberg, L. The Ainu problem. Anthropos, Mödling, 1929, 24: 755-99, 7 pl.—Suzuki, T. Wie muss ein japanischer Normalsäugling beschaffen sein? Orient. J. Dis. Inf., Kyoto, 1930, 8: 1-4.—Takagi, K., Nakamura, T., & Huzii, T. Statistische Beobachtung über das Wachstum der Kinder in Kioto. Mitt. Med. Akad. Kioto, 1936, 18: 792; 1937, 20: 1727; 1728.—Takahira & Kitagawa. Moyen de mesurer et d'exprimer la surface du corps chez les Japonais. Bull. Soc. sc. hyg. aliment., Par., 1927, 15: 489.—Takakusu, S., & Sin, Y. Studien über die Konstitution der japanischen und koreanischen Frauen. Jap. J. M. Sc., 1941, 9: Abstr. Anat., 125.—Tokusige, Y. [Wachstumstände der Kinder von Formosa-Wilden (Tayal-Stamm) und von eigentlichen Japanern sowie ihre Vergleichung] Taiwan igakkai zasshi, 1941, 40: 857-77.—Yosida, Y. On the development of body length, weight and circumference of head of the Japanese. Japan M. World, 1926, 6: 270-8.

— Civilization, and culture.

See also such headings as **Army**; **Buddha** [and buddhism] **Geisha**; **Prostitution**; **War**, etc.

EMBREE, J. F. Acculturation among the Japanese of Kona, Hawaii. 162p. 24½cm. Menasha, 1941.

FLEISHER, W. Our enemy Japan. 236p. 20cm. Garden City, N. Y., 1942.

GUNSAULUS, H. C. The Japanese collections. 19p. 8°. Chic., 1922.

— The Japanese New Year's festival, games and pastimes. 18p. 8°. Chic., 1923.

— Japanese costume. 26p. 8°. Chic., 1923.

— Japanese temples and houses. 20p. 8°.

1924. — Gods and heroes of Japan. 23p. 8° Chic., 1924.

IMAI, K., & MATUTANI, M. Ideals of the Shinran followers. 54 l. 8°. Tōkyō, 1918.

MOREIRA, J. Impressões de uma viagem ao Japão em 1928. 150p. 24cm. Rio, 1935.

Abe, A. Japan's family system. Ber. Versamml. Internat. Fed. Eugen. Org., 1936, 12. Congr., 103-6.—Akagi, G. Social welfare in Japan. Japan Times, 1934, Oct. 5, 72.—Baldus, H., & Willems, E. Casas e túmulos de Japoneses no vale da Ribeira de Iguaçu. Rev. Arq. mun., S. Paulo, 1941, 7: No. 77, 121-35, 13 pl.—Berliner, A. Geometrisch-aesthetische Untersuchungen mit Japanern und in japanischem Material. Arch. ges. Psychol., 1924, 49: 433-42, 5 fig.—Buschan, G. Japanische Tempel. Erdball, 1926, 1: 13-7, 11 fig.—Casnowicz, J. M. The Dragon God (Dai-Ja) in Idzumo, Japan; a Japanese tale. Proc. U. S. Nat. Mus., 1926, 67: No. 2587, Art. 15, 1-4.—Complexo (O) ético e racial Japonês. Impr. med., Rio, 1941, 17: No. 328, 142.—Duval. Japanese discipline,

Confucianist and feudal. *Mil. Rev.*, Fort Leavenworth, 1942, 22: No. 86, 62.—**Eckstein, G.** The Japanese mind is a dark corner. *Harpers Magazine*, 1942, Nov., 660-8.—**Embrece, J. F.** Some social functions of religion in rural Japan. *Am. J. Sociol.*, 1941-42, 47: 184-9.—**England (In)** now; a running commentary by peripatetic correspondents. *Lancet*, Lond., 1941, 2: 810.—**Garth, T. R., & Foote, J.** The community of ideas of Japanese. *J. Social Psychol.*, 1939, 10: 179-85.—**Garth, T. R., Ikeda, K., & Langdon, R. M.** The color preferences of Japanese children. *Ibid.*, 1931, 2: 397-402.—**Godshall, W. L.** Democracy in Japan. *Social Sc.*, 1942, 17: 59-65.—**Gorer, G.** Themes in Japanese culture. *Tr. N. York Acad. Sc.*, 1942-43, Ser. 2, 106-24.—**Gregory, H. E.** Science in Japan. *Sc. Month.*, 1927, 24: 567-13.—**Jackson, D. C.** Japanese higher education and research in the physical sciences. *Science*, 1936, 84: 189-92.—**Koganei, Y.** Bestattungsweise der Steinzeitmenschen Japan. *Zschr. Ethnol.*, 1923, 55: 166-200, 20 fig.—**Kunike, H.** Der Erdball in altjapanischer Auffassung. *Erdball*, 1926, 1: 57-61.—**Kuwata, K.** Die Genossenschaftsbewegung in Japan. *Arch. Sozialwiss.*, 1921, 48: 731-47.—**Macke, A.** Die Frau in Japan. *Erdball*, 1926, 27, 1: 249-58, 2 pl.—**National paranoia.** *Am. J. Psychiat.*, 1941-42, 98: 903.—**Olds, C. B.** Education for conquest: the Japanese way. *Foreign Affairs*, 1912-43, 21: 34-43.—**Schwietek, P. J.** Sin-butu-dō-tai: Der Synkretismus von Sinto und Buddhismus in Japan. *Anthropos*, Mödling, 1927, 22: 430-9.—**Shinto of Sado.** *Ibid.*, 1929, 24: 379; 1930, 25: 671-911.—**Thompson, W. S.** Possibilities for agricultural expansion in Japan. In his *Popul. Probl.*, N. Y., 1942, 265-72.

Demography.

See also Birthrate; also subheading Statistics.

Baker, A. L. Japan's population problems. *Good Health*, 1941, 76: 184.—**Haushofer, K.** Is Japan overpopulated? In *World of Gen. Haushofer* (Dorpalen, A.) N. Y., 1942, 33-6.—**Japan; model geopolitician.** *Ibid.*, 29-38.—**Koyama, Y.** The correlation between population growth and birth, death and migration in Japan by geographical districts. *J. Chosen M. Ass.*, 1937, 27: 38.—**Leblanc, T. J.** Density of population, mortality and certain other phenomena in Japan. *Am. J. Hyg.*, 1931, 13: 781-802.—**Legendre, A.** Contribution à la démographie; la population du Japon. *Presse méd.*, 1934, 42: 1365.—**Mizusima, H.** An amendment to the true rate of natural increase of the population of Japan. *Keijo J. M.*, 1938, 9: 210-4.—**Moulton, H. G.** Population expansion in Japan. *Birth Control Rev.*, 1932, 16: 145.—**Population (La)** du Japon. *Praxis*, Bern, 1941, 30: 754.—**Population problems** in Japan. *Bull. Dep. Health Lincoln*, 1941, Dec. 4-7. Also *Statist. Bull. Metrop. Life Insur.*, 1941, 22: No. 12, 1-3. Also *N. York State J. M.*, 1942, 42: 555.—**Schultze, E.** Der Bevölkerungsrückgang in Japan. *Reichsgesundh.*, 1935, 10: 500-4.—**Geburten-Rückgang** in Japan. *Aerzt. Ztg.*, 1937, 12: No. 445-46, 2.—**Thompson, W. S.** Population growth and international politics; Japan. In his *Popul. Probl.*, N. Y., 1942, 264.—**Japanese population policies.** *Ibid.*, 435.

Diseases, hygiene, and sanitation.

See also such headings as Balneography, Japan; Health organization, Japan; also names of diseases as Beriberi; Typhus fever, etc.

INTERGOVERNMENTAL CONFERENCE OF FAR-EASTERN COUNTRIES ON RURAL HYGIENE. Preparatory papers: Report of Japan. 38p. 8° Genève, 1937.

Härtel, F. Einfluss der Rasse und Lebensweise der Japaner auf ihre Krankheiten. *Klin. Wschr.*, 1931, 10: 654-9.—**Kraftquellen** des japanischen Volkes (Klima, Ernährung, Arzneimittel, Mineralquellen). *Med. Klin.*, Berl., 1936, 32: 1350; 1382.—**Public hospitals.** *J. Am. M. Ass.*, 1936, 106: 311.—**Jinkyo (The)** hospital. *Japan Times*, 1934, Oct., 55.—**Leitch, J. N.** A health campaign among 7,000 tea garden coolies. *Abstr. Papers Far East. Ass. Trop. M.*, 1927, 7, Congr., 25-7.—**Matuoka, F., & Isii, S.** The constitutional and nutritive states of the Japanese and the Miyagawa index; the influence of parasites upon the constitutional and nutritive states. *Sc. Rep. Inst. Infect. Dis.*, Tokyo, 1926, 5: 535-42.—**National (The)** health [Japan]. *J. Am. M. Ass.*, 1936, 107: 1905.—**Saigo, K.** The development and present situation of hospitals in Japan. *Nosokomeion*, Stuttg., 1931, 2: 86-116.—**Severn, A. G. M.** Impressions of a public health tour in Japan. *J. R. San. Inst.*, 1925-26, 46: 613-8.—**Teruoka, G.** Sozialhygienisches aus Japan. *Arch. sozial. Hyg.*, 1926-27, n. F., 2: 104-6.—**Utimura, Y., Akimoto, H.** [et al.] [Ueber die vergleichend psychiatrische und erbpathologische Untersuchung auf einer japanischen Insel]. *Psychiat. neur. jap.*, 1940, 44: 745-82.—**Yamaguti.** Les malades étrangers traités à l'hôpital de Hiroshima. *Caducée*, 1902, 2: 123-5.

Language and literature.

Nachod, O. Bibliography of the Japanese Empire, 1906-26. 2v. 4° Lond., 1928.

FUZAMBO'S comprehensive English-Japanese dictionary. 1855p. 23½cm. Cambr., Mass., 1942.

KENKYUSHA'S NEW JAPANESE-ENGLISH DICTIONARY. Am. ed. 2280p. 23½cm. Cambr., Mass., 1942.

ROSE-INNES, A. Beginners' dictionary of Chinese-Japanese characters. 2. enl. ed. [532]p. 19cm. Cambr., Mass., 1942.

SATOW, E. M., & MASAKATA, I. An English-Japanese dictionary of the spoken language. Am. ed. [1562]p. 19½cm. S. Pasadena, 1942.

SUSKI, P. M. Conjugation of Japanese verbs in the modern spoken Japanese, with lists of colloquial verbs, nominal verbs, etc. 106p. 20½cm. S. Pasadena, 1942.

TŌKYŌ, JAPAN. KOKUSAI BUNKA SINKOKAI. Bibliographie abrégée des livres relatifs au Japon en français, italien, espagnol et portugais. 50p. 19½cm. Tōkyō, 1936.

WENCKSTERN, F. A bibliography of the Japanese Empire, 1859-1906. 2v. 4° Lond. & Tōkyō, 1895-1907.

Kunike, H. Die Schrift der Japaner. *Erdball*, 1927, 1: 416-20. **Scharschmidt, C.** Schriftreform in Japan; ein Kulturproblem. *Ethnol. Anz.*, 1926-28, 1: 163 (Abstr.)—**Tanakadate, A.** A study of Japanese phonemes by means of tone films. *Proc. Internat. Congr. Phonet. Sc.* (1935) 1936, 2. Congr., 117-22.

Medical history.

See also under names of medical specialties as Pediatrics, History, etc.

HUZIKAWA, Y. Japanese medicine. 114p. 16° N. Y., 1934.

Berry, K. F. Old-time medicine. In her *Pioneer Doctor in Old Japan*, N. Y., 1940, 36-9.—**A Samurai doctor's widow; a pilgrim of Sanda.** *Ibid.*, 218-20.—**Fang, S. C.** A brief history of the development of modern medical science in Japan. *China M. J.*, 1928, 42: 662-81.—**Fujikawa, Y.** A evolução da medicina japonesa. *Actas Ciba*, Rio, 1941, 8: 261-79.—**Gubler, A.** Médicos da Companhia indo-holandesa no Japão. *Ibid.*, 280-4.—**Härtel, F.** Die Entwicklung der japanischen Medizin. *Zschr. ärztl. Fortbild.*, 1937, 34: 53-5.—**Hasama, B.** Geschichtliche Daten über die Einführung des deutschen Medizinalwesens in Japan. *Sudhoffs Arch.*, 1933, 26: 329-34.—**Japanese medical heroes.** *Med. Press & Circ.*, Lond., 1906, n. ser., 82: 173.—**Kitafima, T.** Medical progress in Japan. *Japan Times*, 1934, Oct., 24.—**Kritzier-Kosch, H.** Deutsche Sanitätskolonien als Pioniere der japanischen medizinischen Hochschulentwicklung. *Deut. Militärarzt*, 1940, 5: 496 (Abstr.)—**Mayer, F. K.** Az orvos-tudomány fejlődése Japánban. *Gyógyászat*, 1929, 69: 77; 96; 110.—**Miyafima, M.** Short sketch of the development of medical science in Japan. *Japan M. World*, 1929, 9: 353-6.—**Nachod, O.** Ueber einen japanischen Studenten der Universität Leiden im Jahre 1669. *Zschr. Ethnol.*, 1906, 38: 709-11.—**Oichini (The)** Boston M. & S. J., 1911, 145: 779.—**Pelcano, A.** Historia de la medicina en Japón desde la llegada de los Europeos hasta nuestros días. *Día méd.*, B. Air., 1940, 12: 136.—**[Photograph]** An old time Japanese doctor's medicine case decorated with the family crest, its drawers filled with powders. In *Pioneer Doctor in Old Japan* (Berry, K. F.) N. Y., 1940, 62.—**Report** on changes in the medical system (Japan). *J. Am. M. Ass.*, 1936, 106: 1216.—**Rua (A)** da medicina Doshomachi em Osaka. *Actas Ciba*, Rio, 1941, 8: 300.—**Schuster, J.** Die Entwicklung der japanischen Medizin. *Munch. med. Wschr.*, 1912, 59: 481.—**Steinhardt, G.** Ueber die deutsch-japanischen ärztlichen und zahnärztlichen Beziehungen in Vergangenheit und Gegenwart. *Munch. med. Wschr.*, 1940, 87: 915-7.—**Takamine.** Les origines médicales du Japon moderne. *Rev. mod. méd. chir.*, Par., 1905, 3: 90-2.—**Yamagiwa, K.** Virchow's Einfluss auf die japanische Medizin. *Virchows Arch.*, 1921, 235: 389-98.

Medicine.

BÄLZ, E. O. E. Erwin Bälz; das Leben eines deutschen Arztes im erwachenden Japan; Tagebücher, Briefe, Berichte. 454p. 8° Stuttg., 1931.

YOSIOKA, J. G. Japanese medical journals available at the Medical library, Tokyo Imperial University. 46p. 23cm. Wash., 1941.

Achard, C. Compte rendu de mission au Japon. *Bull. Acad. méd.*, Par., 1926, 3. ser., 96: 115-28.—**Autour du monde** impressions du Japon. *Presse méd.*, 1926, 24: 1259; 1291.—**All medical men must register [Japan]**. *J. Am. M. Ass.*, 1938, 111: 2226.—**Ashmead, A. S.** Medical knowledge in Japan. *Med. Fortnightly*, S. Louis, 1902, 21: 329-34.—**Bowles, H. E.** The practice of medicine in Japan. *Proc. Clinic. Honolulu*, 1936, 2: No. 4, pt 2. 1-6.—**Doctor attacked**

by fellow staff members during cancer operation at Kyushu school. Messenger, 1942, 39: 28.—**Furness, C. E.** Medical opportunities for women in Japan. N. York M. J., 1920, 111: 860-3.—**Fuse, N.** Ueberblick über die innere Medizin in Japan. Verh. Berl. med. Ges. (1940) 1941, 71: No. 36, 1-4.—**Gross, H.** Aerztliche Erlebnisse in Japan. Münch. med. Wschr., 1940, 87: 903.—**Hartel, F.** Aerztliche Erfahrungen aus Japan. Verh. Berl. med. Ges. (1931) 1932, 62: Teil 2, 90-101. Also Med. Klin., Berl., 1931, 27: 945-9.—**Henle, Die Expedition nach Tokio.** In Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 319-424, 12 pl.—**Hiro-Oka, M.** The training school for nurses of the Japanese Central Red Cross Hospital. Month. Bull. League Red Cross Soc., 1936, 17: No. 8, 129.—**Increase (The)** in physicians (Japan) J. Am. M. Ass., 1936, 106: 1217.—**Isikawa, M.** Medicine in Japan. Japan M. World, 1929, 9: 84-92.—**Japanese-German medical society.** J. Am. M. Ass., 1941, 117: 133.—**Japanese Medicine.** Lancet, Lond., 1906, 1: 1701.—**Kritzler-Kosch, H.** Aerztliche Eindrücke und Beobachtungen während eines militärärztlichen Studienkommandos in Japan. Deut. med. Wschr., 1939, 65: 690; 730.—**Medicine (La)** extremo oriental. Rev. méd. Yucatán, 1936-37, 19: 111-20.—**Médecine (La)** au Japon. Praxis, Bern, 1941, 30: 730.—**Mills, R. G.** Japanese medical literature; a review of current periodicals by the staff of the research department, Severance Union Medical College, Seoul, Korea. China M. J., 1916, 30: 368.—**Navarro, R.** Impressions of Japan from a physician's view point. J. Philippine Islands M. Ass., 1937, 17: 471-6.—**Patey, G. A.** Mission médicale au Japon. Bull. Acad. méd., Par., 1938, 3. sér., 119: 529-34. Also Presse méd., 1938, 46: 1189.—**Pelicano, M. A.** La carrera médica en Japón. Día méd., B. Air., ed. espec., 1940, 81.—**Ravogli, A.** On the present status of medicine and dermatology in Japan. Lancet Clinic, 1914, 111: 471-5. Also Derm. Wschr., 1917, 64: 13-9.—**Regnaud, F.** La médecine au Japon. J. santé, Par., 1906, 23: 929.—**Ronnefeldt, F.** Bakteriologie und Parasitologie in Japan. Klin. Wschr., 1940, 19: 849.—**Schretzenmayr, A.** Drei Jahre als Arzt im Fernen Osten. Med. Welt, 1939, 13: 1024; 1133; 1199; 1343; 1366.—**Steinitz, E.** Japanische Krankenhäuser und medizinische Institute. Deut. med. Wschr., 1913, 39: 1261-3.—**Uhlenhuth, P.** Reiseeindrücke aus Japan. Ibid., 1938, 64: 1261-5.—**Uthemann, W. A. E. W.** Vom Sanitätsdienst in der japanischen Marine während des Russisch-Japanischen Krieges. Veröff. Marine San., 1913, H. 5, 1-97; also Arch. méd. pharm. nav., 1911.—**Z.** Notas acerca da medicina no Japão moderno. Actas Ciba, Rio, 1941 8: 294-6.

Statistics.

See also subheading Demography.

Ichok, G. Natalité et mortalité au Japon. Presse méd., 1926, 34: 91.—**Kawahito, S.** Observations on recent mortality statistics of Japanese in Manchuria. J. Orient. M., Dairen, 1933, 19: 13-17; 1936, 24: 6.—**Leblanc, T. J.** Specific vital indices for Japan, 1925. Human Biol., 1929, 1: 198-213.—**Roeste, E.** Die Gesundheitsstatistik Japans 1911-1921. Deut. med. Wschr., 1924, 50: 411.

in the United States.

BELL, R. Public school education of second-generation Japanese in California. 116p. 8°. Stanford Univ., 1935.

DARSIE, M. L. The mental capacity of American-born Japanese children. 89p. 26cm. Balt., 1926.

Embree, J. F. New and local kin groups among the Japanese farmers of Kona, Hawaii. Am. Anthropol., 1939, 41: 400-7.—**Japanese (The)** in America; the problem and the solution. Harpers Magazine, 1942, Oct., 489-97.—**Japanese (The)** in California. Week. Bull. California Dep. Pub. Health, 1942-43, 21: 5.—**Japanese** in Hawaii differ strangely in type. Science News Lett., 1939, 36: 153.—**McWilliams, C.** Moving the West-Coast Japanese. Harpers Magazine, September, 1942, Sept., 359-69.—**Suski, P. M.** Body measurements of Japanese children born in America. California West. M., 1935, 43: 208.

JAPANESE beetle.

See Popillia.

JAPANESE (The) journal of experimental medicine; organ of the Government Institute for Infectious Diseases of the Tokyo Imperial University. Tōkyō, 7: 1928—

Continuation of Scient. Rep. Gov. Inst. Infect. Dis.

JAPANESE journal of gastroenterology. Kyōtō, 5: 1933—

JAPANESE journal of medical sciences. Transactions. VII: Social medicine and hygiene. Tōkyō, 1: 1930—

— XIII: Dermatology and urology. Tokyo, 1: 1927—

JAPANESE (The) journal of veterinary science; official organ of the Japanese Society of veterinary science. Tōkyō, 1: 1939—

JAPANESE river fever.

See Rickettsiasis.

JAPANNING.

See also Lacquer; Varnish industry.

Bank, Die Gesundheitsgefahren beim Arbeiten mit Zaponlack und ihre Verhütung. Zbl. Gewerbehyg., 1929, n. F., 6: 197-206.—**Davey, W. P.** Water-japan. In Colloid Chem. (Alexander, J.) N. Y., 1942, 4: 499-502.

JAPAN Times year book [including] Who's who in Japan. 3. ed. 1933 [v. p.] 8°. [Tōkyō] 1933.

JAPPERT, Siegfried [M. D., 1936, Basel] *Verkalkungen und Verknöcherungen des Ligamentum ileo-lumbale und ihre unfall-medicinische Bedeutung. 43p. 8°. Basel, B. Schwabe & co., 1936.

JAQUENOD, Marguerite [M. D., 1936, Lausanne] *Contribution à l'étude de l'ulcère peptique de l'oesophage. 27p. 3 pl. 8°. Lausanne, Impr. H. Held, 1936.

JAQUEROD, Emile [M. D., 1937, Genève] *La première innervation du follicule dentaire chez les embryons de différents mammifères. 28p. 23cm. Genève, H. Studer, 1937.

JAQUEROD, Marc —1942. Haemoptysis in pulmonary tuberculosis. Transl. by S. F. Silberbauer. vii, 106p. 8°. Lond., Baillière, Tindale & Cox, 1925.

— Les processus naturels de guérison de la tuberculose pulmonaire. 2. éd. 135p. illust. 8°. Par., Masson & cie, 1925.

— The same. The natural processes of healing in pulmonary tuberculosis; transl. by J. Denny Sinclair. 107p. 8°. Lond., Baillière, Tindall & Cox, 1926.

— La cure de repos dans la tuberculose pulmonaire. 40p. [32p.] illust. 8°. Par., Masson & cie, 1932.

See also Tecoz, H. Marc Jaquerod. Praxis, Bern, 1942, 31: 840.

For portrait see Corps méd. Vaudois (O. Lazar) Genève, 1937, 18.

JAQUES, André [M. D., 1934, Lausanne] *Urobilinogénurie et grossesse extra-utérin. 47p. 8°. Lausanne, Imp. Commerciale, 1934.

JAQUES, Louis. Corrective optometry: excessive exophoria in presbyopia. [4] l. 4°. Duncan, Okla., E. B. Alexander, 1935.

— Corrective optometry; how to increase the accommodative amplitude without losing the convergence amplitude. 5 l. 8°. Duncan, Okla., E. B. Alexander, 1935.

JAQUET, Alfred, 1865-1937. Muskularbeit und Herztätigkeit. 119p. 8°. Basel, F. Reinhardt, 1920.

— Ein halbes Jahrhundert Medizin. 328p. 8°. Basel, B. Schwabe & co., 1929.

See also Jaquet, A. Zum Abschied. Schweiz. med. Wschr., 1932, 62: 513-8.—**Karcher, J.** In memoriam Professor Dr A. Jaquet. Ibid., 1937, 67: 479.—**Nekrolog.** Schweiz. Arch. Neur. Psychiat., 1938, 41: 266.

JARA, Humberto [M. D., 1933, Chile] *Estudio experimental sobre la acción luteinizante de la orina climatérica [Univ. de Chile] 24p. 8°. Concepción, 1933.

JARAMILLO, Bernardo, 1905-— *Climat d'altitude et ses principales actions physiologiques. 70p. 8°. Par., Impr. Pascal, 1938.

JARASIUS, Juozas, 1873-1940.

Augėvicius, J. [Obituary] Medicina, Kaunas, 1940, 21: 1-5, portr.

JARAUSCH, Georg, 1904— *Zwei Fälle von primärem Tubercarcarinom. 20p. 8° Würzb., H. Pöppinghaus, 1936.

JARCHO, Julius, 1882— Gynecological roentgenology; a roentgen atlas of the female generative organs with special reference to uterosalpingography and an outline of gynecology in its relations to roentgenology with case histories and a chapter on radium therapy. xxv, 571p. 5 pl. 8° N. Y., P. B. Hoeber, 1931.

— The pelvis in obstetrics; a practical manual of pelvimetry and cephalometry including chapters on roentgenological measurements. xvi, 365p. illust. 8° N. Y., P. B. Hoeber, 1933.

— Postures and practices during labor among primitive peoples; adaptations to modern obstetrics, with chapters on taboos and superstitions and postpartum gymnastics. xvi, 175p. illust. pl. 8° N. Y., P. B. Hoeber, 1934.

See also Kagan, S. R. Julius Jarcho. In his Am. Jewish Physicians, Bost., 1942, 87, portr.

For portrait see Collection in Library.

JARCZYK, Paul, 1891— *Aus W. Bieganski's Differentialdiagnostik. 36p. 8° Münch., 1935.

JARDET, Antoine, 1900— *Les tempéraments digestifs rustique et affiné; leur importance dans la thérapeutique des régimes. 50p. 8° Par., Jouve & cie, 1928.

JARDET, Paul, 1860—1937. Nivière, G. [Nécrologie] Presse méd., 1937, 45: 426.

JARDET, Pierre, 1901— *Notes sur une épidémie locale de paludisme en côte occidentale d'Afrique. 60p. 8° Par., Jouve & cie, 1927.

JARDIN, Roger Prosper Stanislas, 1895— *A propos du diagnostic de la superfétation basé sur la radiographie: étude radiologique des points d'ossification du genou chez le nouveau-né. 69p. 8° Par., L. Arnette, 1926.

JARDINE, Robert, 1862—1932. For obituary see Glasgow M. J., 1933, 119: 50-2.

JARETSKY, Irving [M. D., 1937, Basel] *Ueber die Therapie der Nierenkarbunkel [Basel] 30p. 24cm. Mulhouse, A. Knecht, 1937.

JARETZKY, Robert [M. D., 1928, Kiel] *Histologische und karyologische Studien an Polygonaceen [Kiel] p.357-490. 8° Lpz., Gebr. Borntraeger, 1928.

Also Jahrb. wiss. Bot., 1928, 69:

— Lehrbuch der Pharmakognosie. xi, 383p. 8° Berl., Deut. Apoth. Verl., 1937. Also translator of Sharp, L. W. Einführung in die Zytologie. 73p. 8° Berl., 1931.

JARGON.

See Paraphasia.

JARISCH, Adolf, 1850—1902. For portrait see Deliber. Congr. dermat. internat. (1935) 1936, 9. Congr., 4: 308.

JARISCH-HERXHEIMER reaction.

See under Syphilis, Treatment.

JARITOS, Demetrio Jorge [D. D. S., 1938, B. Aires] *La dietética en la profilaxis racional de la caries [Dent.] 36p. 27cm. B. Air., 1938.

JARITZ, Hans, 1912— *Ueber Resorptionserscheinungen an den Zähnen bei Vitaminmangel [Breslau] 36p. 21cm. Bottrop i. W., W. Postberg, 1935.

JARIUS, Otto Ernst, 1899— *Die Entwicklung der Amalgame. 51p. 8° Lpz., A. Edelmann, 1934.

JARKOWSKI, J. Kinesie paradoxale des Parkinsoniens; contribution à l'étude du mécanisme de la motilité volontaire. 78p. 8° Par., Masson & cie, 1925.

JARLØV, Ejnar [M. D., 1919, København] *Om syre-baseligevægten i det menneskelige blod særlig ved sygdomme 165p. 8° Kbh., A. Busck, 1919.

— The clinical types of abnormal obesity. 70p. 8° Kbh., A. Busck, 1932.

Forms Suppl. 42, Acta med. scand.

JARNO, Leo, & EROES, G. Ueber das Magengeschwür; eine klinisch-experimentelle Studie mit einem histologischen Anhang. iii, 48p. pl. tab. 8° Berl., Urban & Schwarzenberg, 1936.

JARO Campos, Fernando [M. D., 1939, Chile] *Estudio clínico y radiológico de las pericoronitis [Chile] 31p. 26½cm. Santiago, Gutenberg, 1939.

JAROFKE, Hans, 1910— *Beitrag zur Frage der Agglutination der Diphtheriebazillen verschiedener Typen (Typus Bazillus diphtheriae gravis, mitis, intermedius und Faden-Diphtherie) [Breslau] 23p. 2 tab. 8° Ohlau i. Schl., H. Eschenhagen, 1935.

JAROSS, Lothar, 1910— *Entwicklungsgeschichtliche Studien über die Bedeutung des Schmelzknötens [Würzburg] 15p. 8° Ochsenfurt, Fritz & Rappert, 1935.

JAROTZKY, Alexander. *Diätetische Behandlung des runden Geschwürs des Magens und des Duodenums. 114p. 8° Stockh., Aftonbladet, 1930.

Forms Suppl. 35, Acta med. scand.

JARRAUD, Serge, 1904— *De l'eczéma lichénoïde du chien. 31p. 8° Paris, Vigot frères 1931.

JARRE, Hans. See Pohle, E., & Jarre, H. Methodik der Röntgentherapie. 56p. 8° Dresd., 1923.

JARRE, Margarete, 1908— *Seltene Komplikationen nach Pleuraempyemen im Kindesalter. 30p. 22cm. Bonn, A. Brand, 1936.

JARRETT, Arthur R., 1854— For portrait see Collection in Library.

JARRETT, Lewis Ellsworth, 1901— For biography see Hosp. Topics, 1937, 15: No. 6, 11.

JARRETT, Mary Cromwell, See Davis, M. M., & Jarrett, M. C. A health inventory of New York City. 367p. 8° N. Y., 1929.

JARRIAULT, Maurice, 1905— *Le radium dans le traitement des affections gynécologiques autres que le cancer. 63p. 8° Par., N. Maloine, 1932.

JARRICOT, Lucien, 1907— *Contribution à l'étude physico-chimique de certains états allergiques; cellules et points isoélectriques du sérum sanguin [Lyon] 148p. 8° Trévoux, G. Patissier, 1934.

JARRIER, Camille, 1900— *Radium et chirurgie associés dans le traitement du cancer du col utérin opérable. 53p. 8° Par., Jouve & cie, 1929.

JARRIER, Charlotte Marie Amable, 1911— *Diphthérie et vaccination antidiphthérique dans le Département de l'Ain [Lyon] 142p. map. 8° Bourg, Berthod, 1937.

JARRIN, M. Lucien, 1895— *Contribution à l'étude thérapeutique du rhumatisme chronique. 53p. 8° Par., Impr. P. Gourjon, 1927.

JARROUSSE, Jean-Joseph-Marie, 1907— *Considérations sur l'avortement tubaire. 94p. 8° Par., Vigot frères, 1932.

JARRY, Arthur François, 1911— *Contribution à l'étude de l'ulcère simple de l'intestin grêle, duodénum excepté; à propos de 2 observations inédites. 57p. 25½cm. Par., L. Arnette, 1939.

JARRY, Jean Jacques, 1907— *Contribution à l'étude de la d'arsonvalisation mammaire; sa répercussion sur l'équilibre endocrinien. 72p. 8°. Par., A. Legrand, 1935.

JARUSLAWSKY, Willy, 1901— *Die operative Behandlung des Volvulus der Flexur mit Berücksichtigung eines Falles. 18p. 8°. Königsb., J. Raabe, 1928.

JARVIS, Edward, 1803-84. Primary physiology, for schools. 168p. 16°. N. Y., A. S. Barnes & co., 1866.

For biography see **Wood, R. W.** Memorial of Edward Jarvis, M. D. 24p. 8°. Bost., 1885.

JARVIS, O. A. Dentist; a popular treatise on the care of the teeth. 2. ed. 56p. 8°. N. Y., S. W. Green's son, 1880.

JARZAB, Józef, 1899— *Pathologisch-anatomische und bakteriologische Untersuchungen über die Wirkung von Presojod bei chronischer und akuter Wurzelhautentzündung. 29p. 2 pl. 8°. Rostock, C. Hinstorff, 1931.

JASCHKE, Herbert [Elder] von, 1912— *Beitrag zur Kenntnis kongenitaler Blutkrankheiten des Neugeborenen (nebst Mitteilung eines Falles von kongenitaler Anämie) [München] 42p. 21cm. Bottrop i. W., W. Postberg, 1937.

JASCHKE, Rudolf Theodor von, 1881— Lage- und Bewegungsanomalien des weiblichen Genitalapparates. p.697-992. Münch., J. F. Bergmann, 1929.

In Handb. Gyn., 3. Aufl., 5. Bd, 1. Hälfte.

— Gynaekologie. Bd. 2. 13. Aufl. x, 206p. 8°. Lpz. [O. Leiner] 1930.

— Geburtshilfe. 12. Aufl. xii, 290p. 67 illust. 8°. Lpz., Verband Aerzte Deutschlands, 1931. ALSO 22. & 23. durchgesehene Aufl. 290. 21cm. Berl., Verl. Deuts. Aertzeschaft, 1939.

— Therapie der komplizierten Schwangerschaft. 71p. 8°. Lpz., G. Thieme, 1931.

— Lehrbuch der Geburtshilfe. 4. Aufl. ix, 770p. illust. diag. 8°. Berl., J. Springer, 1935.

— Die Prophylaxe auf dem Gebiet der Geburtshilfe und Gynäkologie. viii, 98p. 25cm. Stuttg., F. Enke, 1939.

See also **Kehrer, E.**, & **Jaschke, R. T. von**. Die Vulva und ihre Erkrankungen; Lage- und Bewegungsanomalien des weiblichen Genitalapparates. 1041p. 8°. München, 1929.

Mayer, A. Rudolf Theodor von Jaschke zum 60. Geburtstag. Münch. med. Wschr., 1941, 88: 913, portr.

— & **PANKOW, Otto Robert**. Lehrbuch der Gynäkologie. 5. Aufl. vii, 759, p. illust. 8°. Berl., J. Springer, 1933. ALSO 6. Aufl. viii, 590p. 1921.

JASDI-SADEH, Mortesa, 1900— *Ueber die Luxation der Clavicula [Berlin] 43p. 8°. Charlottenb., Gebr. Hoffmann, 1929.

JASKA, Elmar. *Effects of agricultural crisis on Estonian farming [Tartu] 12p. 21cm. Tallinn, 1938.

JASMINE.

See also **Gelsemium**.

Naves, Y., & **Grampoloff, A.** Etudes sur les matières végétales volatiles; sur la composition de l'extract éthéro-pétrolique (essence concrète) de la fleur de jasmin. Helvet. chim. acta, 1942, 25: 1500-14.

JASON, Robert Stewart, 1901— *Studies on the histopathology of the palatine tonsils and on the immunological reactions of the adjacent tissues. 18p. 8° [Chic., Univ. Chicago] 1936.

JASPER, Herbert H. Electroencephalography. p.380-454. 26cm. Springf., Ill., C. C. Thomas, 1941.

In Epilepsy & cerebral localization (Penfield, W., & Erickson, T. C.)

JASPER, Josef, 1902— *Ueber chylösen Ascites und seinen Nachweis durch Jodipin [Münster] 30p. 8°. Lippstadt-Westf., Thiele, 1933.

JASPERS, Hermann, 1908— *Die lymphoidzelligen Anginen unter den in der II. Medizinischen Klinik zu München von 1930-35 behandelten Mandelentzündungen [München] 29p. 2 tab. 21cm. Bottrop i. W., W. Postberg, 1938.

JASPERS, Karl, 1883— **Schneider, K.** Fünfundzwanzig Jahre Allgemeine Psychopathologie von Karl Jaspers. Nervenarzt, 1938, 11: 281-3.

JASSIN, Robert, 1910— *Contribution à l'étude de la roentgentherapie dans le traitement de l'asthme; à propos de quelques cas d'irradiation de la région pancréatique. 68p. 8°. Par., Jouve & cie, 1934.

JASTRAM, Berthold, 1899— *Vorkommen von Zähnen in der Nasenhöhle; Beitrag zur Kenntnis der Nasenzähne. 19p. 8°. Greifswald, H. Adler, 1933.

JASTRAM, Hans, 1911— *Untersuchungen über die Verwendbarkeit der Labhemmprobe nach Schern zur Erkennung der Milchgaltkranker Kühe. 23p. 8°. [Giessen] K. Offenbach, 1937.

JASTRAM, Ursula, 1911— *Ueber die Gültigkeit der Naegele'schen Regel und die Abhängigkeit der Schwangerschaftsdauer vom Menstruationstyp, sowie die Beziehungen zwischen Verlängerung und Verkürzung der Tragezeit und den Reifezeichen des Kindes [Königsberg] 21p. 22cm. Würzb., R. Mayr, 1938.

JASTROW, Joseph, 1863— Sanity first, the art of sensible living. viii, 312p. 8°. N. Y., Greenberg [1935]

— The story of human error. xvii, 445p. 8°. N. Y., D. Appleton-Century co., 1936.

— Getting more out of life [Rev. ed.] viii, 312p. 21cm. N. Y., Emerson books [1940]

— Freud, his dream and sex theories [3. print.] ix, 297p. 21cm. Clevel., World Pub. co. [1941]

JASTROW, Marcus, comp. A dictionary of the Targumim, the Talmud Babli and Yerushalmi and the Midrashic literature. v.1. xviii, 1736p. 20cm. Berl., Verl. Chohreb, 1926.

JASTRZAB, Jakob [M. D., 1926. Basel] *Ein Fall von Miliartuberkulose infolge Durchbruchs einer Kaverne in die Aorta, nebst Bemerkungen über Haemoptoe bei Miliartuberkulose [Basel] 22p. 8°. Strash. [n. p.] 1926.

JASTRZEMSKI, Viktor, 1910— *Malignes Granulom der oberen Luftwege [Freiburg] 12p. 8°. Bernau-Berl., Märkis, 1935.

JASVONSKIS, Simanas, 1883-1941.

For obituary see *Medicina*, Kaunas, 1940, 21: 1069, portr.

JATEORHIZA [and derivatives]

Feist, K., **Awe, W.**, & **Etzrodt, H.** Ueber die Alkaloide der Kolombowurzel; über die Absorptionsspektren der Alkaloide der Kolombowurzel und einiger Derivate des Berberins. Arch. Pharm., Berl., 1934, 272: 817-26.—**Feist, K.**, & **Dschu, G. L.** Ueber die Alkaloide der Columbowurzel. Ibid., 1925, 263: 294-305.

JATROPHA.

See also **Euphorbiaceae**.

Francois, M. T., & **Droit, S.** Sur la composition de l'huile de pignon d'Inde, *Jatropha curcas* L. Bull. Soc. chim. France, 1933, 4. ser., 53: 54: 728-41, pl.

JATRORRHIZA.

See *Jateorrhiza*.

J'attends le médecin; premiers soins à donner, symptômes des maladies, hygiène. 159p. 12°. Par., A. Lemerre [1936]

JAUBERT, L. La cure de soleil; pourquoi où comment la pratiquer. 233p. 12°. Par., E. Flammarion, 1927.

JAUBERT, Marie Joseph Raoul Marcel, 1893- *Evolution des idées de Laennec touchant l'auscultation médiante, la séméiologie des affections pulmonaires et les productions accidentelles développées dans le poumon. 109p. 25cm. Bord., Y. Cadoret, Delmas, 1933.

JAUBERT, René, 1909- *A propos de 25 observations de symphysiomye suivant la technique de Zarate. 73p. pl. 8°. Lyon, Bosc fr., 1935.

JAUDEL, Jacques, 1901- *De la radiothérapie des salpingites tuberculeuses. 79p. 8°. Par., M. Vigné, 1931.

JAUFFRET, Pierre, 1913- *Etude du système nerveux végétatif dans les ulcères gastroduodénaux. 87p. 24½cm. Marseille, Impr. Ant. Ged, 1937.

JAUKER, Harald. *Ueber das Vorkommen und die Bestimmung von Methylalkohol in Gärungsprodukten. 84p. 23½cm. Tartu, Varrak, 1937.

JAULAIN, René Etienne, 1908- *Contribution à l'étude des ruptures des cicatrices après césariennes. 124p. 25cm. Bordeaux, E. Droillard, 1937.

JAULERRY, Paul, 1906- *Un traitement des réactions de Wassermann irréductibles: l'hyposulfite de soude. 112p. 8°. Par., Jouve & cie, 1931.

JAULIN, Maurice, 1869-1939. Limouzi. Néerologie. Gaz. méd. France, 1940, 47: radiol., 121.

JAULUSZ, H. J., & KURLANDER, J. E. Facial deformities catalog. 16 l. illust. 30½cm. [Clevel., the Authors, 19..]

JAUME, Gustave, 1909- *Contribution à l'étude de la gangrène post-opératoire progressive de la peau. 72p. 8°. Lyon, M. & L. Riou, 1937.

JAUNDICE.

See *Icterus*.

JAUNEAU, Roger, 1904- *Les accidents de la médication aurique; leur polymorphisme. 124p. 8°. Par., Jouve & cie, 1931.

JAUPITRE, Jacques, 1911- *La roentgen-thérapie de l'hypertrophie et de l'infection de l'amygdale palatine; indications, technique. 98p. 24cm. Par., E. Le François, 1939.

JAUPITRE, Michel, 1911- *Contribution à l'étude des abcès sous-urétraux chez la femme. 61p. 8°. Par., Vigot fr., 1937.

JAUR, Lucien, 1902- *La péritonite herniaire; étude histologique et diagnostic des affections abdominales qui l'accompagnent. 141p. 8°. Par., L. Arnette, 1928.

JAUROU, Aimé, 1905- *Action du camphre sur les diarrhées [Paris] 80p. 8°. Lavaur [n. p.] 1931.

JAUS, Melitta, 1902- *Die Milz als Blutspeicher [München] 79p. 8°. Speyer a. Rh., Pilger-Druckerei, 1936.

JAUSION, Hubert, 1890- Lucites. p.916-51. Par., 1936.

In *Nouv. prat. derm.* (Darier, Sabouraud, et al.) Par., 1936, 4:

— & **PAGES, François.** Les maladies de lumière et leur traitement. vi, 203p. illust. diagr. 8°. Par., Masson & cie, 1933.

JAUSON, Marcel, 1887- *Contribution à l'étude des pneumo-entérites infectieuses du porc; essais de sérothérapie et de vaccinothérapie. [Alfort, Vet.] 39p. 8°. La Haye-du-Puits, 1926.

JAUTZ, Otto [M. D., 1929, Basel] *Klinisches und Differential-diagnostisches über psychogene Respirationsstörungen und Pseudoangina pectoris bei Lungentuberkulose [Basel] 20p. 8°. Laupen b. Bern [n. p.] 1929.

JAVA.

See also *Indonesia*; *Malay*; *Nederlandsch Indië*.

Adam, T. Die Tiere im Wajang der Javanen. Mitt. Anthropol. Ges. Wien, 1927, 57: 164-70. — **Blochert-Glaser, L.** Von den Chinesen auf Java. Erdball, 1927, 1: 175.

Das Bromofest auf Java. Ibid., 217. — **Boenjamin, R.** De vorm van het sternum der Javanen. Internat. Arch. Ethnogr., 1940, 39: Suppl., 7 (Abstr.). — **Bok, E. J.** Ueber das Vorkommen überzähliger Brustwarzen bei Javanen. Anat. Anz., 1926, 61: 492-7. — **Breyer, H. B. G.** Over pseudoloodzoomen bij Javanen en Madoerezen; ultramelanine en melanine. Internat. Arch. Ethnogr., 1940, 39: Suppl., p. ii (Abstr.). — **Buschan, G.** Ueber javanische Musik. Erdball, 1927, 1: 147. — **Englehard, C. F.** De oriëntatie in tijd van den Javanen in de Vorsteulanden. Geneesk. tschr. Ned. Indië, 1925, 64: 915.

Het onderzoek naar de geestesgesteldheid met behulp van platen, toegepast bij den Javanen. Internat. Arch. Ethnogr., 1940, 39: 43 (Abstr.). Also Meded. Burgerl. geneesk. dienst Ned. Indië, 1924. — **Fast, J.** Krankheitsbilder aus Java. Arch. Schiffs Tropenhyg., 1935, 39: 112-6.

Krankheitsbilder aus der Praxis eines Tropenarztes in Java, Niederländisch-Ostindien. Münch. med. Wschr., 1935, 82: 197-9. — **Healing (The) art in Java.** Brit. M. J., 1906, 2: 789. — **Heinemann, H.** Tabel van enkele anthropologische gegevens. Geneesk. tschr. Ned. Indië, 1931, 71: 474. — **Koenigswald, G. H. R. von.** A review of the stratigraphy of Java and its relations to early man. In *Early Man* (Internat. Symp.) Phila., 1937, 23-32. — **Le Gros Clark, W. E.** Casts of fossil human skulls recently discovered in Java. J. Anat., Lond., 1937-38, 72: 159. — **Lienden, H. J. H. van** [Kretschmer's constitutional types in healthy and diseased Javanese] Geneesk. tschr. Ned. Indië, 1929, 69: 664-89, 4 pl. — **Lubberhuizen, H. W.** De vorm der hersenen van de Javanen in Oost-Java. Ibid., 1935, 75: 577-98. — **Maas, A.** Altjavatische Tierkreisbecher. Zschr. Ethnol., 1932, 64: 105-12. — **Mejbom-Italiaander, J.** Javanische Sagen. Erdball, 1930, 4: 214-20. — **Mijsberg, W. A., & Mijsberg-van Rooijen, J. H. N.** Over geslachtsverschillen in het gebied der Javanen. Geneesk. tschr. Ned. Indië, 1932, 72: 277-83. — **Nyessen, D. J. H.** The races of Java. Internat. Arch. Ethnogr., 1940, 39: 81 (Abstr.). — **Penard, W. A.** Wie die Wöchnerin gerettet wurde. Erdball, 1928, 2: 469-71.

Pfahldorfbewohner in der Kindersee. Ibid., 1929, 3: 380-3. — Ein Land, in dem Lüge und Diebstahl unbekannt sind. Ibid., 1930, 4: 211-4. — **Rand.** Javanische Opferhäuschen. Ibid., 1927, 1: 293. — **Reich.** Aus meinen Erlebnissen als holländischer Regierungsarzt auf Java. Med. Klin., Berl., 1926, 22: 712. — **Roest, P. K.** Raskruising op Java. Geneesk. tschr. Ned. Indië, 1930, 70: 897-914. — **Schaffer, F. X.** Das Vorbild des Borobudur. Mitt. Anthropol. Ges. Wien, 1926, 56: Sitzber., 10. — **Schoemaker, C. P. W.** Aesthetiek en oorsprong der Hindoe-Kunst op Java. Ibid., 1924, 55: 274-6 (Rev.). — **Schoonheydt, L. J. A.** Bijdrage tot de anthropologie der bevolking van Batavia en naaste omstreken. Internat. Arch. Ethnogr., 1940, 39: 98 (Abstr.). — **Seiffert, G.** Hygienische Volksbelehrung in Java. Münch. med. Wschr., 1934, 81: 1816-8. — **Sitsen, A. E.** Ueber die Schädelform der Javanen. Anthropol. Anz., 1934, 11: 68-96. — **Stein Callenfels, P. van.** L'industrie osseuse de Ngandong. Anthropologie, Par., 1936, 46: 359-62. — **Travaglino, P.** Die Konstitutionsfrage bei der javanischen Rasse. Zschr. ges. Neur. Psychiat., 1927, 110: 437-92.

JAVAL, Louis Emile, 1839-1907.

Lebensohn, J. E. A centenary tribute. Arch. Ophth., Chic., 1939, 21: 650-61. — **Terrien, F.** Eloge. Bull. Acad. méd., Par., 1939, 3, ser., 122: 531-9. Also Gaz. hóp., 1939, 112: 1477. Also Arch. ophth., Par., 1939-40, n. ser., 3: 865-72.

For portrait see *Ann. ocul.*, Par., 1938, 175: front.

JAVANIN.

See also *Fat*, *Metabolism*; *Lipase*; *Pancreatic extract*.

Pock-Steen, P. H. Researches concerning the biochemical rôle of a lipoclastic activator (Javanin) the lipoclastic hormone, Acta path. microb. scand., 1927, 4: 121-35. — **Tuxen, G. E.** Researches concerning the biochemical rôle of a lipoclastic activator (Javanin) the lipoclastic process. Ibid., 1926, 3: 681-95.

JAVANTHROPUS.

See also in 3. ser. **Pithecanthropus**.

VAN ES, L. J. C. The age of Pithecanthropus. 142p. 8°. The Hague, 1931.

Ariëns Kappers, C. U. The fissures on the frontal lobes of Pithecanthropus erectus Dubois compared with those of Neanderthal men, Homo recens and chimpanzee. Proc. Akad. wet. Amsterdam, sect. sc., 1929, 32: pt 1, 182-95, pl. — [Comparison of the endocranial cast of the Pithecanthropus erectus, found by Dubois, with that found by von Koenigswald] Ned. tschr. geneesk., 1939, 83: 969.—Clark, W. E. LeG. The relationship between Pithecanthropus and Sinanthropus. Nature, Lond., 1940, 145: 70.—Deniker, J. L'âge du pithécantrophe. Anthropologie, Par., 1908, 19: 260-70.—Dercum, F. X. Exhibition of and comment on casts of fossils of Pithecanthropus erectus. Arch. Neur. Psychiat., Chic., 1928, 19: 1130-3.—Dubois, E. On the cranial form of Homo neandertalensis and of Pithecanthropus erectus, determined by mechanical factors. Proc. Akad. wet. Amsterdam, sect. sc., 1922, 24: 313-32, pl. — Figures of the femur of Pithecanthropus erectus. Ibid., 1926, 29: pt 2, 1275-7, 4 pl. — Ueber die Hauptmerkmale des Femur von Pithecanthropus erectus. Anthropol. Anz., 1927, 4: 131-44, 3 pl. — The so-called new Pithecanthropus skull. Proc. Akad. wet. Amsterdam, sect. sc., 1927, 30: pt 1, 134-7, pl. — Early man in Java and Pithecanthropus erectus. In Early Man (Internat. Symp.) Phila., 1937, 315-22. — On the fossil human skulls recently discovered in Java and Pithecanthropus erectus. Man, Lond., 1937, 37: 1-7. — Pithecanthropus erectus, eine menschenähnliche Uebergangsform aus Java. Internat. Arch. Ethnogr., 1940, 39: Suppl., 31 (Abstr.).—Gieseler, W. Ueber die hauptsächlichsten morphologischen Charaktere der Pithecanthropus-Calotte. Anthropol. Anz., 1926, 3: 117-9, 3 pl.—Homo sp. dans les couches à Pithécantrophe et dans les couches à Sinanthropus (?) Anthropologie, Par., 1937, 47: 201.—Koenigswald, G. H. R. von, & Weidenreich, F. The relationship between Pithecanthropus and Sinanthropus. Nature, Lond., 1939, 144: 926-9.—Le Gros Clark, W. E. The status of Pithecanthropus. Man, Lond., 1937, 37: 60-2.—Mijlsberg, W. A., & Bijlmer, H. J. T. Report on a fossil found at Trinil in 1926, and erroneously considered as the remains of a skull of Pithecanthropus. Proc. Akad. wet. Amsterdam, sect. sc., 1927, 30: pt 1, 126-33.—New-found fossils prove Pithecanthropus was human. Science News Lett., 1937, 32: 387.—Pithecanthropus erectus; the ape-man of Java. News Serv. Bull., Wash., 1936-38, 4: 227-32.—Pithecanthropus and Peking man; comparative studies. Nature, Lond., 1939, 144: 933.—Third Java ape-man skull resembles Peking man. Science News Lett., 1938, 34: 302.—Vallois, H. V. Le Javanthropus. Anthropologie, Par., 1935, 45: 71-84.—Vaufrey, R. De nouveaux hommes de Wadjak. Anthropologie, Par., 1932, 42: 650.—Weidenreich, F. The relation of Sinanthropus pekinensis to Javanthropus and Rhodesian man. J. R. Anthropol. Inst. Gr. Britain, 1937, 67: 51-65, 4 pl. — Pithecanthropus and Sinanthropus. Nature, Lond., 1938, 141: 378.—Weinert, H. Der Pithecanthropus erectus. Med. Welt, 1927, 1: 1065. Also Zschr. Anat. Entw., 1928, 87: 429-547, 34 fig. Also Zschr. ges. Anat., 1. Abt., 1928, 87: 429-547. — Der Pithecanthropus erectus, ein Bericht über die Untersuchung der Originalfossilien. Zschr. Ethnol., 1928, 60: 153. — Eine Rekonstruktion des Pithecanthropus-Schädels auf Grund der von Eugen Dubois, 1891, bei Trinil auf Java gefundenen Calcotte. Zschr. Morph. Anthropol., 1936, 35: 446-52, 3 pl.

JAVEL, Roger Charles Albert, 1909—
*Technique esthétique de phrénicectomie. 47p 25cm. Nancy, C. André, 1934.

JAVELIER, André Eugène François Paul, 1911—
*Le Marquis de Sade et les 120 journées de Sodome devant la psychiatrie et la médecine légale. 81p. 8°. Par., E. Le François, 1937.

JAVELLIZATION.

See under Water, Purification.

JAVIER Bolós, Francisco, —1844.
Yañez y Girona, A. Biografía. Botica, Barcel., 1852-53, 1: 122; 188.

JAW.

See also Cranium; Face, Bones; Head; Mandibula; Maxilla; Mouth; Parodontium; Periodontium; Tooth.

HODRZ, H. *Ueber die morphologischen Variationen des normalen menschlichen Kieferapparates und ihre Beziehungen zu seinen Bewegungen [Frankfurt] 32p. 8°. Zeulenroda, 1934.

JAKOB, L. *Beitrag zur Anatomie der jugendlichen Kiefer; Lage, Grösse von Foramen mandibulare, mentale, Mandibularkanal und die Bedeutung für die Leitungsanästhesie [Würzburg] 19p. 21cm. Aschaffenburg, 1937.

MARSCHNER, G. W. *Zähne und Kiefer bei den verschiedenen Konstitutionstypen insbesondere den Kretschmerschen Athletikern im Vergleich zu Leptosomen und Pyknikern. 28p. 8°. Bonn, 1933.

MOHLBERG, L. *Zähne und Kiefer beim pyknischen Körperbautyp [Bonn] 35p. 8°. Köln-Kalk, 1933.

QUIROGA, J. M. Importancia de la relación céntrica mandibular [11]p. 23½cm. B. Air., 1941.

Voss, G. *Zungen- und Kieferform und ihre gegenseitige Beeinflussung. 16p. 8°. Greifsw., 1935.

WALLACE, J. S. Variations in the form of the jaws, with special reference to their etiology and their relation to the occlusion of the dental arches. 265p. 8°. Lond., 1927.

Biotevogel, W. Gaumen- und Kieferverhältnisse als Konstitutionsmerkmale. Verh. Anat. Ges. (1938) 1939, 46: 25-30.—Brandsburg, B. Aeussere Architektur der Ober- und Unterkiefer. Zschr. ges. Anat., 1. Abt., 1926, 78: 585-625.—Gallois, E., Lapond, M., & Japiot. Architecture intérieure des os maxillaires; mécanisme de la mastication. Rev. chir., Par., 1928, 66: 367-98.—Gáman, F. Beiträge zur Frage der Kieferknochenstruktur unter normalen und einigen krankhaften Verhältnissen. Zschr. Stomat., 1929, 27: 824-45.—Hellman, M. Variation and anatomy of the jaw bones. J. Am. Dent. Ass., 1927, 14: 418-23.—Job, T. T., & Fouser, R. H. Relationship of the teeth to the mandibular canal and the maxillary sinus. Ibid., 1927-9.—Link, K. H. Ein Beitrag zu den Erkrankungen der Kiefermuskulatur. Vjschr. Zahnh., 1934, 50: 78-83.—Matuda, Y. Location of the dental foramina in human skulls from statistical observations. Internat. J. Orthodont., 1927, 13: 299-305.—Mori, R. Alcune osservazioni sul forame incisivo. Stomatologia, Mod., 1930, 28: 545-57.—Weber, R. Anatomie. Fortsch. Zahnh., 1927, 3: 1-19.

Abnormality.

See also subheading Deformity; also Abnormalities, double; Dentition (abnormal and defective; Absence) Face, Coloboma, etc.

GENTZ, G. *Was ist bisher über Missbildungen im Bereiche der Zähne und Kiefer bekannt geworden. 75p. 8°. Greifsw., 1938.

HERBST, E., & APFELSTAEDT, M. Atlas und Grundriss der Missbildungen der Kiefer und Zähne. 321p. 8°. Münch., 1928.

— The same. Malformations of the jaws and teeth. 320p. 8°. Lond., 1930.

KORTE, H. *Missbildungen der Kiefer und Zähne; ihr Vorkommen und ihre Häufigkeit beim Menschen [Münster] 424p. 23cm. Emsdetten (Westf.) 1937.

Barber, R. O. Maldevelopment of the jaws. Guy's Hosp. Gaz., Lond., 1935, 49: 139-43.—Bruhn, C. La cura chirurgico-ortopedica dei difetti mascellari congenite e acquisiti. Stomatologia, Mod., 1929, 27: 905-26.—Fieuz, J. Les malformations dento-maxillo-faciales de l'enfant en pratique médicale courante. Paris méd., 1939, 113: 169-76.—Gerke, J. Missbildungen des Gesichts und der Kiefer. Deut. zahnärztl. Wschr., 1941, 44: 37; 68.—Grüneberg, H., & Lea, A. J. An inherited jaw anomaly in long-haired dachshunds. J. Genet., Camb., 1939-40, 39: 285-96, pl.—Jorge, J. M., & Piazza de Rosenfeld, A. Malformaciones y deformaciones de maxilares: oportunidad quirúrgica y conducta terapéutica. Bol. Soc. cir. B. Aires, 1938, 22: 43-8. Also Sem. méd., B. Air., 1939, 46: pt 1, 1221-42.—Kley, H. Hypoplasie der Kiefer und Zähne. Med. Welt, 1934, 8: 311.—Landete, D. B. Anomalia dento-maxilar corregible quirúrgicamente. Actas Congr. dent. españ. (1909) 1910, 5. Congr., 93-6.—Lenormant, C., & Ruppe, C. Malformations et maladies congénitales des mâchoires. In Précis path. chir., 6. éd., Par., 1938, 2: 735-9.—Mandelbaum, R. Ueber zwei seltene Fälle von Missbildungen. Zbl. Gyn., 1925, 49: 2338-3.—Petheo, J. Kongenitale Synostose der Maxilla und Mandibula. Zschr. Kinderh., 1929, 47: 447.—Ramsay, A. J. Persistence of the organ of Chievitz in the human. Anat. Rec., 1935-36, 63: 281-90, 2 pl.—Sicher, H. Ein Fall von präntur Synostose der beiden Zwischenkiefer, verbunden mit einer Durchbruchsanomalie der Zähne. Zschr. angew. Anat. Konst., 1913-14, 1: 238-44.—Zocchi, S. Una rara anomalia fetale. Riv. ostet. gin., 1929, 11: No. 5, 9-14.

— Abscess and suppuration.

BÖTTCHER, H. *Die akute pyogene Infektion der Kiefer im Tätigkeitsgebiet eines Praktikers. 48p. 8° Berl., 1937.

DEUTSCHMANN, H. *Ueber septische und pyämische Allgemeininfektionen im Gefolge der eitrigen Erkrankungen des Zahn- und Kiefersystems [Erlangen] 93p. 8° [Zeulenroda, 1926]

DUCHÊNE, M. A. *Contribution à l'étude du traitement radiothérapique dans les cellulites péri-maxillaires d'origine bucco-dentaire. 76p. 8° Par., 1934.

KOEBER, W. *Pyogene und putride Entzündungen des Kieferknochens und deren Folgen. 22p. 8° Heidelb., 1932.

Axhausen, G. Zur Klassifikation der eitrigen Entzündungen am Kiefer. Chirurg, 1928-29, 1: 459-62. Also Deut. Mschr. Zahn., 1929, 47: 497-507. — Beck, R. A new and successful treatment for chronic alveolar abscesses and sinuses of the jaws. Dent. Rev., 1910, 24: 122-6. — Brosch, F. Ueber eitrige Kieferentzündung. Zschr. Stomat., 1939, 37: 172; 234; 303. — Brown, J. B., & Hamm, W. G. Acute infections about the jaws of dental origin; dissection of the closing muscles by pus (4 illustrative cases). Internat. J. Orthodont., 1932, 18: 504-15. — Caussé, R. L'ostéo-phlegmon diffus des maxillaires. Ann. mal. oreille, 1930, 49: 614-7. — Cavina, C. Suppurazioni perimandibolari e perimassellari acute di origine dentaria. Stomatologia, Mod., 1928, 26: 353-85. — Cieszyński, A. Zur Topographie und Schnittführung bei Kieferphlegmonen nebst einigen Bemerkungen zur Therapie derselben. Zschr. Stomat., 1937, 35: 32-50. — Dechaume, M. Ostéophlegmons péri-maxillaires. Progr. méd., Par., 1932, 777-81. — Phlegmons péri-maxillaires (complications de la carie centaire). Presse méd., 1934, 42: 2007. — Traitement des suppurations maxillaires et périmaxillaires par le bactériophage. Rev. stomat., Par., 1937, 39: 38. — Deputovich, A. U. [Suppurative otitis of the jaws and their Roentgenography]. Sovet. stomat., 1931, 9: Nos. 8-9, 27-34. — Edwards, T. W. Maxillo-facial cellulitis. Dentoscope Bull., Wash., 1940, 20: No. 2, 13-8. — Elliot, W. L. Migratory abscess of the jaw; report of a case. J. Canad. Dent. Ass., 1942, 8: 587-90. — Frey, S. Klinischer Beitrag zur eitrigen Entzündung der Kieferknochen. Beitr. klin. Chir., 1931, 153: 300-13. — Fridrichovsky, J. Ein kasuistischer Beitrag zu den eitrigen Kieferknochenentzündungen. Deut. Mschr. Zahn., 1926, 44: 1-27. — Stein, G. Zur Behandlung submaxillärer Phlegmonen und Abszesse. Zschr. Stomat., 1928, 26: 899-904. — Wild, G. Die Erscheinungen der eitrigen Ostitis der Kiefer im Röntgenbild. Röntgenpraxis, 1929, 1: 75-88.

— Absence.

Lalonde, L. M. A new type of bovine agnathia. J. Hered., 1940, 31: 80. — Merklen, P., Bicat, P., & Israël, L. Un cas d'aplasie congénitale du maxillaire supérieur avec participation de l'inférieur. Strasbourg méd., 1934, 94: 642.

— Actinomycosis.

See also Face, Actinomycosis.

COURNAND, R. E. *Contribution à l'étude clinique et thérapeutique de l'actinomycose des maxillaires. 55p. 8° Par., 1930.

DUBOIS, E. *Actinomycose des maxillaires; contribution à l'étude clinique et diagnostic. 52p. 8° Par., 1933.

FINK, L. *Die zentrale Aktinomycose und das Verhalten der Kieferknochen. 20p. 8° [Berl.] 1931.

FREDRICH, A. *Aktinomycose der Kieferknochen [Berlin] 20p. 8° Charlottenb., 1934.

HINSCH, W. *Die Frühdiagnose der Kieferaktinomycose [Berlin] 35p. 23cm. Charlottenb., 1936.

JOOS, E. *Ueber die Kieferaktinomycose unter besonderer Berücksichtigung der Fälle von 1918-33 an der Heidelberger chirurgischen Klinik [Heidelberg] 30p. 8° Mannheim, 1933.

KÜHN, M. *Die Aktinomycose der Kiefer und ihre Behandlung. 24p. 22cm. Würzb., 1936.

MATHEIS, F. S. *Ueber Aktinomycose und aktinomycoseähnliche Erkrankungen des Kiefers. 38p. 21cm. Münch., 1936.

MÜLLER, R. *Röntgenbehandlung der Kieferaktinomycose an Hand von Fällen aus der Chirurgischen Klinik des Stadtkrankenhauses zu Worms [Heidelberg] 29p. 8° Lengerich, 1936.

RADTKE, G. [A.] *Ein Beitrag zur Aetiologie der Aktinomycose des Rindes mit besonderer Berücksichtigung der Kieferaktinomycose. 41p. 8° Lpz., 1931.

REINKEN, F. [W.] *Beitrag zur Frage der Actinomycose im Mund-Kiefergebiet [Münster] 17p. 21cm. Bottrop i. W., 1936.

RIETSCH, A. *Ueber Pathogenese und Therapie der Aktinomycose, insonderheit der Kieferaktinomycose [Leipzig] 21p. 8° Würzb., 1935.

SCHUEER, P. *Kieferaktinomycose und Unfall [München] 18p. 8° Würzb., 1938.

Actinomycosis, jaw. In Atlas Dent. Path. (Bernier, J. L., et al.) 2. ed., Chic., 1942, 164, pl. — Axhausen, G. Die Pathogenese und Klinik der Kieferaktinomycose. Deut. Zahn. & Heilk., 1935, 2: 197-229. — Das Frühbild der Kieferaktinomycose. Verh. Berl. med. Ges. (1936) 1937, 67: 190-6. Also Deut. med. Wschr., 1936, 62: 1449-51. — Die Kieferaktinomycose. Ber. Internat. Zahnärztekongr. (1936) 1937, 9. Kongr., 2: 484-90. — Chiurco, G. A. L'infezione actinomicotica dei massellari. Atti Accad. fisioer. Siena, 1926, 10. ser., 18: 21-7. Also Stomatologia, Mod., 1926, 24: 453-8. — Die aktinomycotische Infektion der Kiefer; eine klinische und pathologisch-anatomische Studie. Zschr. Stomat., 1926, 24: 763-814. — Chompret & Dechaume. Considerations sur l'actinomycose des maxillaires. Rev. stomat., Par., 1930, 32: 912-7. — Grabner, A. Die Aktinomycose. Ber. Internat. Zahnärztekongr. (1936) 1937, 9. Kongr., 2: 491. — Grandi, G. Stomatologische Kasuistik. Vjschr. Zahn., 1928, 44: 114-21. — Hasimoto, K. Ueber die primäre Kieferaktinomycose. Okayama igakkai zasshi, 1934, 46: 1175. — Johns, W. A. Actinomycosis of the jaw; report of case. Bull. Richmond Acad. M., 1941, 9: 27. — Klingsbgl, J. Drei Fälle von zentraler Kiefer-Aktinomycose. Arch. klin. Chir., 1926, 140: 163-7. — Kotányi, E. Die Aktinomycose. Ber. Internat. Zahnärztekongr. (1936) 1937, 9. Kongr., 2: 493. — Kranz, P. P. Zur Frage der Diagnosenstellung und der Therapie bei Kieferaktinomycose. Deut. Zahn. & Heilk., 1939, 6: 287-97. — Matheis, F. S. Actinomycosis of the jaws and diseases with similar symptoms. Internat. J. Orthodont., 1937, 23: 1032-44. — Nasi, C. L'actinomicosi dei massellari. Stomatologia, Mod., 1937, 35: 231-40. — Ommen, B. van [New investigations on the initial forms of actinomycosis of the jaw]. Ned. tschr. geneesk., 1939, 83: 5850-4. — Pichler, H. Tuberkulose und Aktinomycose des Unterkiefers. Wien. klin. Wschr., 1935, 48: 671. — Rosanz, G. Casistica dell'actinomicosi mascellare. Stomatologia, Mod., 1926, 24: 469-81. — Seeman, G. F. Actinomycosis of the jaw. Dent. Digest, 1935, 41: 303. — Simmonds, B. S. Actinomycosis of the jaw. Proc. R. Soc. M., Lond., 1938-39, 32: 138. — Spreter von Kreudenstein, T. Beiträge zur Therapie der Kieferaktinomycose. Deut. Zahn. & Heilk., 1936, 3: 678-95. — Thöne, W. Die Aktinomycose der Kiefer und ihre Behandlung mit Lymphdrüsenextrakt nach Dr. Trauer, Graz. Zschr. Stomat., 1934, 32: 699; 758. — Wakeley, C. P. G. A case of actinomycosis of the jaw which became carcinomatous. Med. Press & Circ., Lond., 1933, 135: 315. — Wassmund, M. Aktinomycose der Kieferknochen beim Kinde. Deut. Zahn. & Heilk., 1938, 5: 596-613.

— Adamantinoma.

See also Adamantinoma.

GADEFF, N. *Adamantinome ausserhalb der Kiefer. 18p. 8° Rostock, 1933.

GEHRKE, W. *Beitrag zur Erkenntnis seltenerer Kiefertumoren (Adamantinom) 10p. 8° Greifsw., 1935.

LANGE, F. *Ueber die differentialdiagnostische Abgrenzung des cystischen Adamantinsoms der Kiefer zu den anderen odontogenen Kiefergeschwülsten an Hand eines klinischen Falles. 19p. 21cm. Königsb., 1936..

PFLAUM, I. [A.] *Beitrag zur Operationsmethodik beim Adamantinom. 15p. 20½cm. Königsb., 1938.

ROSENSTEIN, S. *Ueber Adamantinome. 32p. 8° Bresl., 1931.

VOCK, R. H. *Die Adamantinome der Kiefer and des Hypophysengangs und ihre Beziehungen zu den Basalzellenkrebsen [Heidelberg] 26p. 22cm. Düsseld., 1937.

Adamantinoma of the jaw. Annual Rep. S. Africa Inst. M. Res., 1939, 15.—**Ameloblastoma**, adamantinoma. In Atlas Dent. Path. (Bernier, J. L., et al.) 2. ed., Chic., 1942, 48, pl.—**Barr, J. O.** A review of the literature on adamantinomatosis of the jaw and presentation of Lakeside and City Hospital cases 1938. J. Ohio Dent. Soc., 1938, 12: 124-30.—**Bump, W. S.** Adamantine epithelioma [2 cases] Surg. Gyn. Obst., 1927, 44: 173-80.—**Ch'in, K. Y.** Adamantinoma in Chinese; a pathological study of 41 cases. Chin. M. J., 1938, Suppl. 2, 91-130, 12 pl.—**Conzett, D. C.** Adamantinoma of the jaw. J. Iowa M. Soc., 1937, 27: 426-8.—**D'Abreu, F.** Adamantinoma of the jaw. S. Barth. Hosp. Rep., Lond., 1935, 68: 255-61, pl.—**Fujiwara, T.** A case of great ameloblastoma. Bull. Nav. M. Ass., Tokyo, 1939, 28: 53.—**González Mármol, D.** Los adamantinomas de los maxilares. Rev. méd. cubana, 1938, 49: 235-53.—**Gullifer, W. H.** Adamantinoma? Dent. Cosmos, 1936, 78: 1256-9.—**Harkink, J.** [On adamantinoma] Geneesk. tschr. Ned. Indië, 1935, 75: 1413-9, 2 pl.—**Hauenstein, K.** Zur Wertung und Diagnostik der adamantinomatigen Kiefertumoren. Deut. Zahn & Heilk., 1937, 4: 387-406.—**Havens, F. Z.** Adamantinoma of the jaws. Arch. Clin. Oral Path., 1940, 4: 285-92.—**Hutten, A. E. van** [Prosthesis in two cases of adamantinoma of the jaw] Geneesk. tschr. Ned. Indië, 1933, 73: 1545-8, 2 pl.—**Ivy, R. H., & Curtis, L.** Adamantinoma of the jaw. Ann. Surg., 1937, 105: 125-34.—**Jones, W. A.** Familial multilocular cystic disease of the jaws. Am. J. Cancer, 1933, 17: 946-50.—**Kimm, H. T., & Baranoff, A. F.** Adamantinoma: a clinical study of twenty-six cases. Chin. M. J., 1938, 53: 1-22.—**Landais.** Le traitement chirurgical des grands kystes adamantins. Rev. stomat., Par., 1933, 35: 677-88.—**Logsdon, C. M.** Diagnosis and treatment of adamantinoma. J. Am. Dent. Ass., 1934, 21: 1838-41.—**Lyerly, J. G.** Adamantine epithelioma; report of a case. Virgin A. M. Month., 1928-29, 55: 866-9.—**Major, S. G., Bell, J. R., & DeWaters, R. S.** Adamantine tumors of the jaws. Surg. Gyn. Obst., 1934, 59: 876-85.—**Orr, J. W.** Adamantinoma of the jaw in a rabbit. J. Path. Bact., Camb., 1936, 42: 703, 2 pl.—**Padgett, E. C., & Soderberg, N. B.** Adamantinomas of the jaw. J. Missouri M. Ass., 1941, 38: 276-9.—**Reider.** Seltene Adamantinome. Beitr. klin. Chir., 1935, 161: 654.—**Tratman, E. K.** Adamantinoma or multilocular cysts of the jaw; illustrated by 2 cases occurring in Chinese: one in the mandible (male) one in the maxilla (female) Brit. Dent. J., 1935, 59: 417-36.—**Unusual case:** multilocular cyst of jaw. Dent. Surv., 1936, 12: 54.

— Age changes.

DRAEGER, O. *Altersveränderungen des Kiefers und des Kiefergelenkes. 32p. 8°. Bonn, 1935.

LÁSZLÓ, S. *Ueber die Veränderbarkeit der anatomischen Form des Säuglingskiefers und die verändernden Ursachen. 16p. 8°. Würzb., 1934.

STANG, H. *Die Altersveränderungen der Kiefer. 40p. 23cm. Marb., 1937.

Bluntschli. Die menschlichen Kieferwerkzeuge in verschiedenen Alterszuständen. Verh. Anat. Ges., 1926, 35: 163-76.—**Nally, J. N.** La résorption et l'apposition osseuse normale dans la mâchoire humaine de la naissance à l'âge adulte. Schweiz. Mschr. Zahnh., 1939, 49: 649-77, 3 pl.—**Robinson, H. B. G., Boling, L. R., & Lischer, B. E.** Teeth and jaws. In Probl. Ageing (Cowdry, E. V.) 2. ed., Balt., 1942, 366-90.

— Alveolar process.

See also **Dentition; Paradentium; Tooth.**

HEUSER, H. Die normale und kranke Alveolarbuchst im Röntgenbild. 79p. 8°. Lpz., 1938.

LINDNER, C. [H. W.] *Ueber Knochenumbildungsvorgänge in der primitiven Alveole frühzeitiger Milchzahnanlagen. 28p. 8°. Berl.-Charlottenb., 1935.

Brash, J. C. The growth of the alveolar bone and its relation to the movements of the teeth, including eruption. Internat. J. Orthodont., 1928, 14: 196; 283; 398; 487.—**Bruno, G.** Meccanismo di formazione dell'alveolo dentario. Riv. ital. stomat., 1936, 5: 497-500.—**Chatellier, J.** Considérations sur la vie et la mort des fondations ligamento-alvéolaires. Rev. stomat., Par., 1937, 39: 194-204.—**Glatte, M.** Mikroskopische Untersuchungen am normalbelasteten Alveolarknochen in verschiedenen Entwicklungsstufen. Deut. Zahn & Heilk., 1936, 3: 827-37.—**MacMillan, H. W.** Structural characteristics of the alveolar process. Internat. J. Orthodont., 1926, 12: 166-77; 722-32.—**Norberg, O.** Die Morphogenese der primitiven Zahnalveolen beim Menschen und ihre Bedeutung für die Stellungsanomalien der Zähne. Zschr. ges. Anat., 1. Abt., 1933, 100: 394-432.—**Petrovits, L.** Substantia ossea sinu-interalveolaris. Anat. Anz., 1928, 66: 115-24.—**Ramsay-Smith, W.** Forms of the alveolar arch. Austral. J. Dent., 1926, 30: 240-8.—**Roth, H.** Alveolar bone regeneration. N. York J. Dent., 1942, 13: 26.—**Ryder, W. B., jr.** The

significance of circulatory canals in roentgenograms of the alveolar process. Am. J. Orthodont., 1942, 28: 640-51.—**Thompson, W. M., jr.** A discussion of the distribution of the bone of the alveolar process. Angle Orthodont., 1934, 4: 242-5.—**Weidenreich, F.** Ueber die Beziehungen zwischen Zahn, Alveolarwand und Kiefer. Zschr. ges. Anat., 1. Abt., 1926, 81: 420-35.—**Weinmann, J.** Zur Frage der organischen Einheit von Zahn und Alveolarknochen. Ibid., 1927, 83: 771-7.—**Weski, O.** Physiologie normale et pathologique du ligament alvéolo-dentaire. Rev. odont., Par., 1930, 51: 537-46.—**Yamazaki, K.** Sur la forme de l'arcade alvéolaire. Tr. Nippon Dent. Ass., 1933, 54.—**Young, A. P.** Alveolar bone, its structure and behavior under various influences, with particular reference to the roentgenogram. J. Am. Dent. Ass., 1937, 24: 794-9.

— Alveolar process: Abscess.

See also **Tooth, Abscess.**

Berens, T. P. Radiographic plate showing an alveolar abscess, with a small fragment of a tooth in situ. Ann. Otol. Rhinol., 1914, 23: 477.—**Berger, A.** Dento-alveolar abscess. Dent. Items, 1914, 36: 641-53.—**Black, A. D.** Diagnosis and treatment of chronic alveolar abscess. Dent. Rev., 1912, 26: 329-36.—**Black, G. V.** A consideration of the conditions pointing to grave results in, and the causes of death from, alveolar abscess. Northwest. Dent. J., 1905, 3: No. 2, 11-20.—**Bryant, E. A.** Iodoform in root treatment after alveolar abscess. Dent. Items, 1923, 45: 909.—**Buckley, J. P.** The rational treatment of chronic dento-alveolar abscess, with root and bone complications. Dent. Rev., 1911, 25: 755-76.—**Calman, M. S., & Calman, J. S.** The dento-alveolar abscess. Dent. Outlook, N. Y., 1926, 13: 393-5.—**Carr, I. N.** Alveolar abscess complicated with necrosis of the alveolar process: a case in practice. Tr. Nat. Dent. Ass., Phila., 1908, 347-54.—**Chapman, W. L.** Suppurative conditions of the alveolar process. Dent. Cosmos, 1913, 55: 263-70.—**Coleman, F.** Cellulitis of face and neck following an alveolar abscess. Brit. Dent. J., 1924, 45: 560.—**Davis, H. C.** The clinical aspect of alveolar abscess. Guy's Hosp. Gaz., Lond., 1934, 48: 482-6.—**Day, E. F.** Lead points in the treatment of alveolar abscess. Dent. Rev., 1908, 22: 107-11.—**Dittmar, G. W.** Diagnosis and treatment of chronic alveolar abscess. Ibid., 1912, 26: 494-6.—**Faro, R. S. N.** Alveolar abscess with fatal termination. Brit. Dent. J., 1913, 34: 399.—**Fontaine, S. B.** The physician's responsibility in acute dento-alveolar abscesses. Clin. M. & S., 1934, 41: 227.—**Gilmer, T. L.** A study of the bacteriology of alveolar abscess and infected root canals. J. Am. M. Ass., 1914, 63: 2023.—**—** A clinical and experimental study of chronic alveolar abscess in relation to systemic disorders. Dent. Cosmos, 1916, 58: 1357-62.—**H., M. K.** Bacteria in acute alveolar abscesses. J. Am. Dent. Ass., 1942, 29: 887.—**Kaplan, H.** Alveolar abscess; apical erosion. In Atlas Dent. Path. (Bernier, J. L., et al.) 2. ed., Chic., 1942, 40, pl.—**Kronfeld, R.** Alveolar abscess, chronic. Ibid., 1942, 39, pl.—**Mawhinney, E.** Alveolar abscesses; being a continuation of a stenographic report of cure on this subject to the senior class at Northwestern University Dental School. Northwest. Dent. J., 1908, 6: 53.—**Moody, A. M.** Lesions in rabbits produced by streptococci from chronic alveolar abscesses. J. Infect. Dis., 1916, 19: 515-25.—**Noel, L. G.** An alveolar abscess with opening upon the outside of the face, caused by death of the pulp in a third molar independent of caries. Dent. Cosmos, 1902, 44: 562-4.—**Pruyn, C. P.** Alveolar abscess. Dent. Rev., 1908, 22: 305-11.—**Rosenthal, S. R.** Pyemia following alveolar abscess. In Path. Conf. (Jaffé, R. H.) Chic., 1940, 260-2.—**Roy, M.** Le curettage alvéolo-radulaire dans les abcès alvéolaires chroniques. C. rend. Congr. dent. internat., 1909, 5. Congr., 1 Teil, 575-86.—**Smith.** Abcès alvéolo-dentaire. Gaz. odont., Par., 1879, 1: 20-30.

— Alveolar process: Disease and tumor.

WALTHER [G. W. K. P.] K. *Ueber die röntgenologisch nachweisbaren Veränderungen der interalveolären Septen. 18p. 23cm. Marb., 1937.

Ashbury, H. H. The treatment of carcinoma of the upper alveolar ridge. Radiol. Rev., 1937, 59: 65-7.—**Bartels, H. A.** A proliferating plasma cell granuloma of the alveolus. Ann. Dent., 1942, n. ser., 1: 67-72.—**Blass, J. L.** Alveolar overgrowth associated with glandular disturbance. N. York J. Dent., 1934, 4: 168.—**Csilléry, A.** Symptomloses Vorkommen von Strahlenpilz in karzinomatöser Zahnalveole (Geschwulst-duplizität?) Ber. Deut. Ges. Zahn & Heilk. (1937) 1938, 74, Tag. 2. T., 158-63. Also Deut. Zahn & Heilk., 1938, 5: 102-7.—**Euler, H.** Ueber abnormes Epithelwachstum am Zahnfortsatz. Beitr. klin. Chir., 1926, 136: 359-64.—**Forsell, G.** Ueber die Aetiologie der primären Futtereinklagerung (Alveolarcaries) zwischen die Backenzähne des Unterkiefers des Pferdes und die Behandlung dieses Leidens durch Resektion der Zahnkrone. Berl. tierärztl. Wschr., 1922, 38: 405; 417; 432.—**Grohs, R.** Befund einer mikroskopisch kleinen Neubildung im labialen Alveolarknochen eines oberen Schneidezahnes. Deut. Zahn & Heilk., 1935, 2: 552-6.—**Jackson, H. H.** The edentulous and semi-edentulous ridge from the radiographic viewpoint. Dent. Digest, 1927, 33: 605-17.—**Koblin, H. A.**

Zur Ursache der symmetrischen Schwellungen der Zahnfortsätze. *Virehows Arch.*, 1932, 283: 631-52.—**Lattès**. Note sur les lésions traumatiques des septums interdentaires. *Rev. stomat.*, Par., 1927, 29: 140-4.—**Lebrun**, E. Fistules alvéolaires à long trajet. *Rev. odont.*, Par., 1927, 48: 165-70.—**Méhé**, G. Pseudorhyzome alvéolaire. *Rev. stomat.*, Par., 1936, 38: 790-8.—**Melchior**, M. Ueber Alveolarfraktur. *Zschr. Stomat.*, 1932, 30: 251-68.—**Merry**, C. H. Misplaced lower molar with abnormal growth of alveolus. *Brit. Dent. J.*, 1936, 61: 223-6.—**Sherran**, L. F. Dry socket. *Dent. Items*, 1934, 56: 435-9.—**Szendli**, B. [Congenital tumor of dental alveolar process] *Orv. hetül.*, 1934, 78: 737.—**Weih**, F. P. Closure of alveolar fistula by scar tissue formation. *Ann. Otol. Rhinol.*, 1930, 39: 533-41.

Alveolar process: Inflammation.

KECK, J. *Ueber perniciöse Alveolarblutungen und den heutigen Stand ihrer therapeutischen Beeinflussung [Leipzig] 43p. 8° [Schirgiswalde] 1929.

Buch, A. [Circumscribed osteitis of the alveolar process of the jaw] *Ugeskr. Jæger*, 1928, 50: 224-7.—**Calvo Nieto**, A. *Terapia sulfamídica local de las alveolitis*. *Tribuna odont.*, B. Air., 1942, 26: 272-6.—**Delyvel**. Hyperkératose, palmo-plantaire congénitale et polyarthrite alvéolo-dentaire suppurée, précoce, récidivante, explosive de toutes les dents temporaires et permanentes. *Rev. stomat.*, Par., 1927, 29: 705-12.—**Frank**, E. R. Chronic ossifying alveolar periostitis. *North Am. Vet.*, 1936, 27: 26-9.—**Marshall**, J. A. A comparison of normal and pathologic bone in the alveolar processes of the maxillae. *J. Am. Dent. Ass.*, 1931, 18: 1591-600.—**Micéville**, R. Ostéites et tumeurs des ramparts alvéolaires. *Odontologie*, Par., 1926, 64: 567-72.—**Schneider**, F. Considérations sur l'étiologie et le traitement des alvéolites consécutives aux extractions. *Rev. odont.*, Par., 1928, 49: 31-47.—**Shandalow**, S. L. Alveolar osteitis (dry socket) *Dent. Cosmos*, 1930, 72: 1083-9.—**Vardamme**. La polyarthrite alvéolo-dentaire, maladie d'athérisque et son traitement général. *J. méd. Paris*, 1927, 46: 736.

Alveolar process: Resorption and atrophy.

WUESTENHAGEN, H. [C.] *Die physiologische Resorption des Alveolarfortsatzes bei Jugendlichen [Leipzig] 8p. 8° [Roding] 1923.

Becher von Rüderhof, F. Hypotonie und Alveolaratrophie. *Wien. klin. Wschr.*, 1936, 49: 966-70.—**Becks**, H. Normal and pathologic pocket formation. *J. Am. Dent. Ass.*, 1929, 16: 2167-85.—**Boyle**, P. P. Dietary deficiencies as a factor in the etiology of diffuse alveolar atrophy. *Ibid.*, 1933, 25: 1436-46.—**Brechner**, J., & **Armstrong**, W. D. Relation of gastric acidity to alveolar bone resorption. *Proc. Soc. Exp. Biol.*, N. Y., 1941, 48: 98-100. Also *J. Dent. Res.*, 1941, 20: 262.—**Brugo**, C. Altersveränderungen der Zahnalveole; Röntgenstudie. *Fortsch. Röntgenstrahl.*, 1936, 54: 487-90.—**Chatelier**, J., & **Futner**, I. Quelques mots sur un cas d'alvéolyse localisée. *Rev. stomat.*, Par., 1930, 32: 681-3.—**Christy**, R. L. Impression technique for flabby ridge: need for surgery eliminated. *Dent. Surv.*, 1943, 19: 44-6.—**Frahm**, F. W. Report on ridge atrophy or resorption. *Dent. Items*, 1943, 65: 165-77.—**Goldman**, H. M. Relationship of the gingival crevice and the alveolar crest. *J. Dent. Res.*, 1942, 21: 561-4.—**Crosby**, J. S. An accurate method of determination of alveolar bone resorption. *J. Am. Dent. Ass.*, 1939, 26: 1695-7.—**Lebourg**, L. Un cas d'alvéolyse infantile. *Rev. stomat.*, Par., 1932, 34: 219-4.—**Thomas**, N. G. Significance of absorption of teeth and alveolar process. *J. Am. Dent. Ass.*, 1927, 14: 2165-72.—**Wood**, F. C., & **Wallace**, W. R. J. A case of alveolar atrophy of unknown origin in a child. *Am. J. Orthodont.*, 1941, 27: Oral Surg., 676-82.

Alveolar process: Surgery.

SANDKUHL [O. B.] R. *Ueber plastische Operationen am Alveolarfortsatz des Oberkiefers. 22p. 8° Borna-Lpz., 1934.

Dobrzyński, A. von. *Therapia stomatologica, trepanatio alveolaris; operatio subgingivalis*. *Zschr. Stomat.*, 1939, 37: 111-3.—**Feldman**, M. H. Alveolotomy. *Dent. Digest*, 1930, 36: 691-702.—**Gross**, P. P. Alveolotomy and immediate denture insertion. *Ibid.*, 1938, 44: 422-6.—**Hayes**, L. V. Alveolotomy. *Dent. Items*, 1935, 57: 500-5.—**Kazanjan**, V. H. The surgical treatment of abnormalities of the edentulous alveolar processes and the palate. *Am. J. Orthodont.*, 1940, 26: 263-77.—**Lucas**, C. D. Alveolar process resection. *J. Am. Dent. Ass.*, 1924, 11: 266-74.—**MacMillan**, H. W. A consideration of the structure of the alveolar process, with special reference to the principles underlying its surgery and regeneration. *J. Dent. Res.*, 1924-26, 6: 251-70.—**Ryzhikova**, R. Z. [Microplasty of foci of rarefaction of bone tissue of marginal origin] *Stomatologia*, Moskva, 1939, No. 5, 46-52.—**Tilem**, J. G. Sutureless alveolotomy with a single incision. *Dent. Digest*, 1942, 48: 291.—**Zametkin**, K. M. Curettage. *Dent. Outlook*, N. Y., 1930, 17: 60.

Angioma.

See also **Face**, Angioma.
KAMPHUES, F. *Kieferangiome. 19p. 8° Münster, 1936.

Anthropology.

BERTHOLD [P. O.] H. *Die Zahn- und Kieferverhältnisse an hamitischen aus den Jahren um 2000 v. Chr. stammenden Schädeln [Leipzig] 49p. 8° Würzb., 1935.

HESSE, H. *Zähne und Kiefer des Menschen im Lichte der anthropologischen Forschung. 44p. 8° Würzb., 1933.

Abel, W. Zähne und Kiefer in ihren Wechselbeziehungen bei Buschmännern, Hottentotten, Negern und deren Bastarden. *Zschr. Morph. Anthropol.*, 1932-33, 31: 314-61, 6 pl., 5 tab.—**George**, V. H. A comparative study of the jaws and occlusion of Maori and of British born in New Zealand. *Internat. J. Orthodont.*, 1926, 12: 20-7.—**Hrdlička**, A. Jaws and teeth. *J. Dent. Res.*, 1935, 15: 1-7.

Articulation.

See under **Mandibula**.

Asymmetry.

BERNETH, W. *Semihypertrophie der Kiefer [Münster] 15p. 8° Werne-Lippe, 1934.

Fibrink Jansen, G. A. H. [Case of right hemihypertrophy and left hemiatrophy] *Tschr. tandheelk.*, 1928, 35: 131-4, 4 pl.—**Gibbin**, F. E. Macromaxillary and micromandibular development; case report. *Am. J. Orthodont.*, 1939, 25: 657-63.—**Hill**, W. C. O. Asymmetry of the jaws. *Lancet*, Lond., 1927, 1: 311.—**Hemihypertrophia**. *Tschr. tandheelk.*, 1928, 35: 811-4, 8 pl.

Blood vessels.

SCHOLZ [F. W.] E. *Ueber die arteriellen Gefässe der Kiefer an durchsichtig gemachten Präparaten. 16p. 8° Lpz., 1931.

STANGE, W. *Ueber die röntgenographische Darstellung der Kieferarterien unter Verwendung von Thorotrast. 31p. 8° Greifsw., 1934.

Schwartz, M. S. [Comparative study of functional properties of the vessels of the jaw and ear of the dog] *Tr. Acad. mil. n.éd. Kirof.*, 1935, 4: 305-12. Also *Dent. Items*, 1937, 59: 852-60.—**Steinhart**, G. Die Gefäßversorgung des gesunden, kranken und zahnlösen Kiefers. *Deut. Zahn- & Heilk.*, 1935, 2: 265; 329.—**Uvarov**, B. M. [Blood supply of the jaws] *Vest. rentg.*, 1934, 13: 415-23. Also *Zschr. Stomat.*, 1935, 33: 275-85.

Bone marrow.

Cahn, L. R. Red marrow in the jaws. *J. Am. Dent. Ass.*, 1940, 27: 1056-60.—**Deshalyt**, S. M., & **Fhaikina**, R. G. [Study of erythrocyte sedimentation in cases of affections of the periosteum of the tooth and bone-marrow of the jaw] *Stomatologia*, Moskva, 1937, No. 2, 54-9.

Cancer.

See also other subheadings (Sarcoma, etc.)
EBERHARDT, L. *Operation oder Bestrahlung bei malignen Kiefertumoren [Heidelberg] 22p. 22½cm. Erlangen-Bruck, 1936.

KELLER, K. *Die internationale Literatur über die Radium-Behandlung der Kieferkarzinome [München] 23p. 21cm. Speyer a. Rh., 1937.

KLÖPPER, W. *Beitrag zur prothetischen Behandlung bösartiger Kiefertumoren. 26p. 8° Würzb., 1928.

KRÖGER, R. *Ueber das Kieferkarzinom und seine Endausgänge. 20p. 8° Münch. [1934]

MAIER, A. *Zur Frage der Entstehung von Kieferkarzinomen durch Trauma. 12p. 8° Münch., 1935.

PLANK, A. *Zur Pathogenese und pathologischen Anatomie der Kiefer-Karzinome (an Hand von 14 eigenen Fällen) 49p. 8° Erlangen, 1929.

POLLACK, W. *Das Schicksal der malignen Tumoren aus der Westdeutschen Kieferklinik seit dem Jahre 1920 [Münster] 24p. 21cm. Bochum-Langendr., 1936.

SCHAEUBLE, E. *Die Radiumbehandlung der Kieferkarzinome und ihre Ergebnisse [München] 16p. 22cm. Würzb., 1936.

SCHMIDT, K. *Symptome der Kiefergeschwülste insbesondere der bösartigen Kiefergeschwülste mit kasuistischen Beiträgen von 11 bösartigen und 3 gutartigen Geschwülsten. 31p. 8°. Bonn, 1935.

WIEFELSPUTZ, W. *Klinische und anatomische Betrachtungen über die in der Westdeutschen Kieferklinik in den Jahren 1928-33 zur Behandlung gekommenen bösartigen Tumoren der Kiefer [Münster] 28p. 21cm. Iserlohn, 1935.

WOLF, I. *Ueber einige seltenere bösartige Geschwülste der Kiefer. 31p. 23cm. Bresl., 1935.

Borak, J. Die Strahlentherapie bösartiger Kiefergeschwülste. Zschr. Stomat., 1937, 35: 948; 1001.—Cadiot. Sur le cancer des mâchoires chez le cheval. Bull. Soc. centr. méd. vét., Par., 1898, 52: 302-5.—Erich, J. B. Cancer of the jaws. Proc. Mayo Clin., 1941, 16: 75-7.—Gilkinson, C. C. Carcinoma of the jaws. Internat. J. Orthodont., 1933, 19: 1152-60.—Judd, E. S., & Phillips, J. R. The curability of carcinoma of the jaw. Proc. Mayo Clin., 1934, 9: 159-61.—Julliard, C. Traitement des tumeurs malignes des maxillaires. Odontologie, Par., 1934, 72: 585-605. Also Schweiz. Mtschr. Zahnh., 1934, 44: 754-8.—Kazanjan, V. H. Cancer of the jaws. Common Health, Bost., 1934, 21: 265-9.—Lindemann, A. Zur Pathologie und Therapie der malignen Tumoren des Kiefergebietes. Deut. Zahnh., 1928, H. 73, 15-56.—Lobmayer, G. [Malignant tumors of the jaws] Budapesti orv. ujs., 1927, 25: 1373-7.—Mauel, G., & Weill, R. Les indications respectives du traitement chirurgical et du traitement radiumthérapie dans les tumeurs malignes des maxillaires. Rev. odont., Par., 1933, 54: 547-82.—Michelson, N. M. [Malignant tumors of the jaws] Stomatologia, Moskva, 1938, No. 6, 62-70.—Risak, E. Zur Klinik und Statistik der bösartigen Kiefergeschwülste. Arch. klin. Chir., 1927, 147: 162-75.—Ruppe, C. Tumeurs malignes des maxillaires. Gaz. hôp., 1931, 104: 1069; 1101. Also Rev. odont., Par., 1931, 52: 685-710.—Siasny, H. Alkoholinjektion in das Ganglion Gasserii bei Kieferkarzinomen unter Röntgenkontrolle. Zbl. Bakt., 2. Abt., 1933, 88: 1764-9.

Cancer, metastatic.

KLUGER, G. *Ueber Kiefermetastasen maligner Gewächse [Breslau] 25p. 8°. Ohlau, 1934.

Berg, A. Metastatische Kiefertumoren. Wien. klin. Wschr., 1936, 49: 970-80.—Blum, T., Kaletsky, T., & Gettlinger, R. Agranulocytosis and lymphosarcoma with lesions in the mandibular third molar region. Arch. Clin. Oral Path., 1940, 4: 378-83.—Branch, C. F., & Norton, R. H. Metastatic hypernephroma of the jaw. N. England J. M., 1928, 198: 559-61.—Burket, L. W. Jaw metastases in primary mammary carcinoma. Am. J. Orthodont., 1941, 27: Oral Surg., 652-9.—Goldstein, I. H., & Goldstein, M. C. Jaw metastases in chondroplastic osteogenic sarcoma. Ibid., 1943, 29: Oral Surg., 57-9.—Skillen, W. G. A case of metastatic carcinoma of the jaws. J. Am. Dent. Ass., 1930, 17: 1678-87.

Constriction.

MÖLLER, K. J. G. *Wege zur Dehnung enger Kiefer (dargestellt an selbstgefertigten Modellen) 23p. 23cm. Lpz., 1936.

SCHOLTEN, P. *Entwicklung und Wirkung orthodontischer Apparate zur Dehnung enger Kiefer [München] 16p. 8°. Würzb., 1933.

SCHWESE, W. *Die Kieferkompression mit konsektiver Protrusion [Breslau] 48p. 8°. Sprottau, 1935.

Dechaume. Constriction non-inflammatoire des mâchoires. Presse méd., 1940, 48: 219.—De Harven. Un cas de constriction permanente des mâchoires. J. chir., Brux., 1926, 25: 5-8.—Fronteau, M. Présentation d'une malade opérée pour constriction permanente des mâchoires. Arch. méd. Angers, 1939, 43: 69-72.—Kunert. Zur Frage der Kieferdehnung. C. rend. Congr. dent. internat., 1909, 5. Congr., 2. Teil, 353-8.—Lemaître & Ponroy. Constriction des mâchoires; résection de la branche montante. Rev. stomat., Par., 1928, 30: 734.—Patel. Contraction permanente des mâchoires par blessure de guerre. Lyon chir., 1934, 31: 203.—Raffy. De la contraction des mâchoires. J. méd. Toulouse, 1855, 2. ser., 5: 353-63.—Schroeder-Benseler. Die Kiefererweiterung. Erg. ges.

Zahnh., 1912-13, 3: 629-60.—Temko, R. La terapia di un caso di atresia mascellare di grado notevole. Ann. clin. odont., Roma, 1933, 10: 235-44.—Vilensky, V. I. [Functional wire apparatus for mechanotherapy in maxillary contracture] Stomatologia, Moskva, 1942, No. 3, 39.

Cyst.

See also Tooth, Cyst.

BAHRENDT, E. *Zur Operation der Kieferzysten. 40p. 8°. Freib. i. B., 1929.

BEITER, H. *Blutung bei Kieferzysten. 16p. 8°. Tüb., 1934.

BLECK, C. [G. E. W.] *Ueber die in den letzten 20 Jahren im Zahnärztlichen Institut der Universität Jena beobachteten dentalen Kiefercysten und über mikroskopische Befunde der Cystenwand. 49p. 8°. Jena [1930]

FOCHTMANN [J.] K. *Ueber Zystenoperationen nach Partsch und deren Modifikationen. 20p. 8°. Lpz., 1935.

FREYTAG, I. *Statistisches über Kieferzysten [München] 18p. 8°. Dresd., 1935.

GÖDDE, E. E. *Ueber die neuere Operationstechnik bei Kieferzysten. 24p. 8°. Würzb., 1937.

KELLER, H. *Ueber nicht odontogene Kieferzysten. 28p. 8°. [Berl.] 1931.

KRANENBERG, R. *Ueber den Ausgang operierter grosser Kiefercysten. 43p. 8°. Berl., 1932.

KRANTZ, W. [A. L.] *Zur Differentialdiagnose kieferrnaher Cysten und Fisteln. 30p. 8°. Berl., 1933.

LAUERBACH, F. *Ueber Kieferzysten, besonders über das gleichzeitige Vorkommen in demselben Kiefer [München] 8p. 8°. Würzb., 1935.

NEUMANN, K. *Vergleichende Untersuchungen über einige Kontrastmittel und eine Methode zur Kontrastdarstellung von Kieferzysten. 19p. 23cm. Kiel, 1937.

OTTEN, H. *Ueber die Aetiologie der Kieferzysten. 27p. 8°. [Münster, 1929]

SCHMIDTKE, H. G. [K. G.] *Ueber nicht-odontogene Kieferzysten. 27p. 21cm. Münch., 1938.

SCHRÖDER, G. *Zur Frage der Kieferzysten und der Ostitis fibrosa der Kiefer. 17p. 8°. Gött., 1931.

SCHROETER-FERREL, E. *Kystom im Kieferbereich. 25p. 8°. Münch., 1936.

STROEHLEIN, A. *Beitrag zur Klinik der Kiefercysten. 16p. 22½cm. Greifsw., 1935.

VOGT, A. *Ueber Kiefercysten. 36p. 8°. Basel, 1934.

ZINKE [R. A.] J. *Pathologie und Therapie cystischer Kiefertumoren (unter Zugrundelegung eigener Fälle) [Leipzig] 47p. 8°. Dresd., 1927.

Axhausen, G. Die Kieferzysten als Quelle von Kiefergeschwülsten. Abh. klin. Zahnh., 1938, H. 33, 71-87.—Bauer, W. Ueber zystische Bildungen im Kiefer. Zschr. Stomat., 1927, 25: 205-69.—Blum, T. Mouth surgery, with special reference to cysts of the jaws. Dent. Outlook, N. Y., 1918, 5: 292-5. — Do all cysts in the jaws originate from the dental system? (with a report of 2 non-dental cysts lined with ciliated columnar epithelium) J. Am. Dent. Ass., 1929, 16: 647-61.—Boyko, G. V. Early recognition of jaw cysts; a plea for necessary X-ray studies. Ibid., 1939, 26: 1343-52.—Burger, H. [Cysts of the jaws, diagnosis and treatment] Ned. tschr. geneesk., 1930, 74: pt 2, 4502-11, pl.—Dowsett, E. B. Operative procedure for cysts of the jaws. Proc. R. Soc. M., Lond., 1931, 25: 47-56. — Cysts of the jaws and their treatment. Guy's Hosp. Gaz., Lond., 1932, 46: 26-30.—Fenton, R. A. Cysts of the jaw. J. Am. Dent. Ass., 1926, 13: 1724-31.—Fischer, F. J. Cysts of the jaw. Dent. Digest, 1929, 35: 427-36.—Fröhlich, E. Dysontogenetische Kieferzyste. Deut. Zahn &c. Heilk., 1938, 5: 860-5.—Graziani, M. Orientação moderna na cirurgia dos cistos maxilares. An. paul. med. cir., 1942, 44: 509-13.—Grohs, R. Embryonale Epithelreste und Zysten in der Medianebene des Oberkiefers. Zschr. Stomat., 1934, 32: 808; 889.—Gross, L. Cysts of the jaws; cases of unusual interest. Am. J. Orthodont., 1938, 24: 565-79.—Hadley, H. G.,

Penig—cysts of the jaw. *Ned. Rec.*, N. Y., 1941, 154: 332.—**Harris, L.** Common cysts of the jaws. *Dent. Digest*, 1934, 40: 370-4.—**Hauterriker.** Zur Operationsmethodik der Kieferzysten. *Deut. Mschr. Zahnh.*, 1930, 46: 1212-22.—**Havens, F. Z.** Penig cysts and adamantinomas of the jaws. *Arch. Otolaryng.*, Chic., 1939, 30: 762-74.—& **Dix, C. R.** Penig cysts of the jaws. *Proc. Mayo Clin.*, 1940, 15: 305-8.—**Hofrath, H.** Ueber das Vorkommen von Talgdrüsen in der Wandung einer Zahnzyste, zugleich ein Beitrag zur Pathogenese der Kiefer-Zahnzysten. *Deut. Mschr. Zahnh.*, 1930, 46: 65-76.—**Jacobs, M. H.** & **Store, H.** Cysts of the jaws. *Am. J. Orthodont.*, 1940, 26: 690-711.—**Klitsch, W.** Ueber die Heilungserfolge total extirpierter Cysten. *Deut. Mschr. Zahnh.*, 1927, 45: 321-33.—**Kossykh, S. F.** [Cysts of the jaws] *Omsky med. J.*, 1929, 4: 61-8, pl.—**Kraus, M.** Ueber Kieferzysten, Zahnwurzelzysten und Wurzelgranulome. *Wien. med. Wschr.*, 1934, 84: 239-42.—**Krofeld, R.** Unusual cysts of the jaws. *Illinois Dent. J.*, 1933, 2: 345-9.—**Lein, A. A.** [Relation between follicular cysts and the adamantinoma of the jaw]. *Stomatologia*, Moskva, 1938, No. 4, 103.—**Maccaferri, G.** Risultati lontani delle operazioni per cisti della mandibola e della maxilla. *Arch. chir. oris*, Bologna, 1931-32, 1: 494-502.—**Meyer, A. W.** Median anterior maxillary cysts. *J. Am. Dent. Ass.*, 1931, 18: 1851-77.—**Ochsenkirt, N. C.** Diagnosis and treatment of cystic tumors of the jaw. *Pennsylvania M. J.*, 1938-39, 42: 784-6.—**Penhale, H. W.** Cysts of the maxilla and mandible; diagnosis and treatment. *J. Oral Surg.*, 1943, 1: 138-56.—**Petts, H. A.** Cysts of the maxilla and mandible. *J. Am. Dent. Ass.*, 1927, 14: 1403-12.—**Saraval, U.** Le cisti dei mascellari. *Fiv. ital. stomat.*, 1937, 6: 397-418.—**Schultz, L.** Cysts of the maxilla and mandible. *J. Am. Dent. Ass.*, 1927, 14: 1395-402.—**Seeman, G. F.** Cyst of the jaw; report of an interesting case. *Dent. Surv.*, 1934, 10: 54.—**Stafne, E. C.** Possible rôle of retained deciduous roots in etiology of cysts of the jaw. *J. Am. Dent. Ass.*, 1937, 24: 1488-93.—**Streith, F. E.** Hereditary epidermoid cyst of the jaws. *Am. J. Orthodont.*, 1939, 25: 673-91.—**Thoma, K. H.** Facial cleft or fissural cysts. *Internat. J. Orthodont.*, 1937, 23: 83-9.—**Truscott, D. L.** Cysts of the jaw and their effects. *Hosp. News, Wash.*, 1942, 9: No. 3, 1-6, 5 pl.—**Walcron, C. W.** Cysts of the jaws; a consideration of their etiology, pathology, clinical course, diagnosis and treatment. *Illinois Dent. J.*, 1933, 2: 677-95.—Cystic tumors of the jaws; conservative and 2-stage operative procedures to prevent deformity and the loss of useful teeth. *Am. J. Orthodont.*, 1941, 27: Oral Surg., 313-22.—& **Worman, H. G.** Clinics in oral surgery; cystic tumors in the jaws of children. *Dent. Surv.*, 1931, 7: 45-8.—**Wendriener, H.** Cystische Geschwülste der Kiefer. *Arch. klin. Chir.*, 1927, 145: 139-43.—**Winter, L.** Cysts of the jaws. *Internat. J. Orthodont.*, 1936, 22: 408-19. Also *N. York J. Dent.*, 1936, 6: 255-7.

— Cyst, dentigerous.

JAHN, A. *Ueber die Ergebnisse der Behandlung radikulärer Kieferzysten. 16p. 8°. Kiel, 1934-35.

VOGELER, W. R. *Oberkiefer- und Unterkieferzysten hervorgegangen aus retinierten Zahnkeimen [Kiel] 29p. 8°. Libau, 1931.

Aisenberg, M. S. Dentigerous cyst. In *Atlas Dent. Path.* (Bernier, J. L., et al.) 2, ed., Chic., 1942, 45: pl.—**Alise, M. d.** Sui tumori dei mascellari di origine dentaria; cisti radiculari e follicolari. *Riv. ital. stomat.*, 1935, 4: 173-205.—**Aronson, W.** Zur Frage der Cholesteatome der Kiefer. *Zschr. Stomat.*, 1934, 32: 571-7.—**Blum, T.**, **Kaletsky, T.**, & **Gettinger, R.** An unerupted maxillary third molar in a follicular cyst. *Arch. Clin. Oral Path.*, 1940, 4: 383-8.—**Bonney, T. C.** Radicular cysts of the jaws; a brief review of the clinical signs and symptoms, with report of a case. *Dent. Cosmos*, 1929, 71: 178-82.—**Branzi, A.** Sopra un raro caso di ciste follicolare. *Stomat. ital.*, 1939, 1: 853-64.—**Cavina, C.** Three operative procedures in the treatment of dental radicular cysts of the maxillary bone. *Med. J. & Rec.*, 1929, 129: 488-93.—**Datzenko, M. F.** [Treatment of cystic tumors of the jaws at the roots of the teeth] *Kub. n. nauk. med. J.*, 1928, 7: 65-71.—**Doerfler, H.** Die Wurzelzysten. In *his Für d. Praxis*, 2. Aufl., Münch., 1939, 1: 34.—**Guerrisi, A.** Su due casi di cisti dei mascellari di origine dentaria. *Riv. ital. stomat.*, 1934, 3: 362-77.—**Ivy, R. H.** Multiple dentigerous cysts; with special reference to occurrence in siblings. *Ann. Surg.*, 1939, 109: 114-25.—**Larschneider, J.** Die Zahnfollikelzysten; Beiträge zur Kenntnis ihres Wesens und ihrer Entstehung. *Zschr. Stomat.*, 1927, 25: 1139-66.—**Lemaitre, F.** & **Ruppe, C.** Considérations topographiques sur les kystes parodontaires. *Otorhinolaryng. internat.*, Lyon, 1931, 15: 517-26.—**Levin, Tomirdiario, C. I.** [Cholesteatomas of the jaws] *Stomatologia*, Moskva, 1938, No. 5, 50-3, pl.—**Link, K. H.** Ueber Vorbeugung odontogener Kieferzysten. *Zbl. Chir.*, 1936, 63: 2838-43.—**Lista, M. P.** & **Dueno, F. P.** Contribución al estudio de los quistes dentarios. *Arch. med.*, Nadr., 1928, 29: 417-23.—**Maccaferri, G.** Contributo clinico allo studio della cisti follicolare. *Arch. chir. oris*, Bologna, 1935, 3: 459-561.—**Perrier.** Kystes folliculaires des mâchoires. *Gaz. odont.*, Par., 1879, 1: 176.—**Rygg, J.** Ueber die Pathogenese der follikulären Kieferzysten. *Zschr. Stomat.*, 1932, 30: 811-20.—**Seeman, G. F.** Case of a dentigerous cyst. *Internat. J. Orthodont.*, 1928, 14: 892.—**Seimbille, A. C.** Quelques con-

siderations sur la technique opératoire des kystes radiculaires et dentifères des mâchoires. *Rev. odont.*, Par., 1938, 60: 257-82.—**Wetterstad, P.** Et tilfælde af follikulær tandcyste med bemærkninger vedrørende de maksillære cyster i almindelighed. *Tskr. norske lægeforen.*, 1913, 33: 394-400.—**Worms, G.** Lipiodol et kyste parodontaire. *Arch. internat. laryng.*, Par., 1927, 33: 989-92.

— Cyst, traumatic.

EGLE, H. [J. R. K. T.] *Ein Beitrag zur Entstehung traumatischer Kieferzysten [München] 12p. 8°. Berl., 1932.

SIERTS, F. [J.] *Entstehung von Kieferzysten nach Trauma. 8p. 8°. Kiel, 1931.

Schneider, O. Ueber besondere zystische Bildungen der Kiefer (Paradentalzysten und traumatische Zysten) *Zschr. Stomat.*, 1931, 29: 80-96.

— Deformity.

See also subheadings (Abnormity; Asymmetry; Development; Occlusion)

DEWES, M. *Untersuchungen von Zahnstellungsfehlern und Kieferanomalien bei einjährigen Zwillingen. 24p. 8°. Tüb., 1935.

FRANKE, G. Ueber Wachstum und Verbildungen des Kiefers und der Nasensehewand auf Grund vergleichender Kiefer-Messungen und experimenteller Untersuchungen über Knochenwachstum. 205p. 8°. Lpz., 1921.

HÄUSSINGER, W. *Ueber Kiefer- und Zahnanomalien bei Kindern der Erlanger Hilfsschule [Erlangen] 24p. 21½cm. Würzb., 1938.

HOFFMANN, W. *Hypoplasien des Gebisses und Kieferdeformitäten; eine Studie an Rasse-schädeln mit besonderer Berücksichtigung der Naturvölker. 15p. 8°. Bonn, 1921.

HUNOLD, K. *Kapillaruntersuchungen bei Kindern mit Entwicklungsstörungen am Kiefer [Frankfurt a. M.] 19p. 8°. [Berl.] 1928.

MÜLLER, H. *Anomalien der Zahnstellung, Kieferform und Okklusion beim Tiere [Bonn] 45p. 8°. Düren, 1933.

POHL, A. *Zahn- und Kieferuntersuchungen an Hilfsschulkindern in Brieg [Breslau] 35p. 20½cm. Brieg-Bresl. [1937]

WENINGER, G. *Contribution à l'étude des malformations dentaires et maxillaires dans quelques états psychopathiques constitutionnels. 53p. 8°. Strasb., 1932.

Bay, R. Ueber den kapillarmikroskopischen Befund bei Kieferanomalien. *Schweiz. Mschr. Zahnh.*, 1941, 51: 530-45, ch., pl.—**Cahn, L. R.** A contribution to the pathology of bone overgrowths of the jaws. *Dent. Items*, 1929, 51: 937-47.—**Gruber, G. B.** Traumatische Kämpylogathie mit Kreuzbiss beim Reh. *Deut. tierärztl. Wschr.*, 1939, 47: 743.—**Herpin.** Des anomalies maxillo-dentaires. *Rev. stomat.*, Par., 1926, 28: 589-92.—**Izard, G.** Terminologie descriptive des malformations dentaires et des déformations maxillo-faciales. *Ibid.*, 1929, 31: 65-91.—**Lischer, B. E.** The classification of dento-facial deformities. *Internat. J. Orthodont.*, 1915, 1: 291-320.—**McCarter, W. A.** Underdeveloped maxilla and overdeveloped mandible (case report) *Ibid.*, 1927, 13: 625.—**Muz, E.** La nostra classificazione delle disgnazie o anomalie dento-maxillo-facciali. *Ann. Clin. odont.*, Roma, 1936, 13: 7: 99.—**Myer, E.** The development of the jaws and teeth and the abnormalities common to children. *Illinois Dent. J.*, 1933, 2: 186-95.—**Peyrus, J.** Cinq observations de dysmorphose maxillo-faciale. *Rev. stomat.*, Par., 1936, 38: 393-409.—**Pitts, A. T.** Irregularities of the teeth and jaws. In *Dis. Child.* (Thursfield & Paterson) Lond., 1934, 181-90.—**Riza, E.** [Malformation of the teeth, jaws and face in childhood] *Askeri sihiye mecmuasi*, 1933, 62: 177-81.—**Rogers, A. P.** A consideration of dento-facial maldevelopments in children. *Arch. Pediat.*, N. Y., 1922, 39: 473-82.—**Salhoff, S.** Campylogathie beim Hasen. *Berl. tierärztl. Wschr.*, 1941, 255.—**Schwarz, R.** Lippenverunstaltungen durch Kieferanomalien. *Schweiz. Mschr. Zahnh.*, 1929, 39: 331-44, 4 pl.—**Shallow, T. A.** Deformities of the jaw. In *Cyclop. Med.* (Piersol-Bortz) Phila., 1939, 8: 212-4.—**Smith, A. H.** Some observations correlated with abnormal growth. *Dent. Cosmos*, 1926, 68: 764-70.—**Stallard, H.** Usual maxillary deformations. *J. Am. M. Ass.*, 1926, 87: 2058-64.—**Steinkamm, J.** Die Bedeutung des frühzeitigen Erkennens von unregelmässigen Zahnstellungen und Kieferm-sbildungen. *Kinderärztl. Prax.*, 1936, 7: 316-21.—**Villain, G.** L'unification de la terminologie et des classifications des déviations dento-maxillo-faciales. *Tr. Internat. Dent. Cong.*, 1914, 6. Congr., 357-78.—**Watry, F.** Les dysmorphoses maxil-

lares chez les enfants débiles; resultat d'une enquête au préventorium de Clemenskerke. Rev. odont., Par., 1928, 49: 173-87.—Wright, H. B. Aspectos antropológicos de deformidades dentofaciales. An. Soc. méd. quir. Guayas, 1938, 18: 425-36.

— Deformity: Etiology.

See also names of primary diseases as **Acro-dynia; Chondrodystrophy; Dysostosis; Rickets**, etc.

ARNDT, G. *Ueber den Zusammenhang zwischen sozialer Lage und der Kiefer- und Zahnstellungsanomalien bei Volksschulkindern des Stadt- und Landkreises Neisse. 21p. 8°. Greifsw., 1936.

ARNOLD, M. *Ueber Deformierung der Kiefer durch orthopädische Apparate bei Spondylitis-Behandlung und prodromale Anzeichen der Deformation [Basel] 49p. 8°. Zür., 1927.

BARTH [M.] C. *Untersuchungen über die Beziehungen der Zahn- und Kieferanomalien zum Gesamtkörperbau an endogenen Geisteskranken und Gesunden. 35p. 8°. Lpz., 1936.

BAUER, I. *Biss- und Kieferanomalien im Allgäu unter Berücksichtigung von Rasse und Konstitutionstypen [München] 19p. 8°. Würzb., 1937.

BAUWENS, P. E. *Ueber das familiäre Vorkommen schwerer rachitischer Kieferdeformierungen. 72p. 8°. Bonn, 1932.

BEESE, H. G. *Ueber Kiefer und Zähne bei mongoloider Idiotie [Halle-Wittenberg] 27p. 8°. Stendal, 1931.

EUCHENHOFER, C. *Ein Beitrag zur Kenntnis der rachitischen Kieferdeformitäten [Tübingen] 33p. 8°. Tüb., 1930.

FITZNER, H. *Die Kieferverbildung durch Rachitis und die Frage nach ihrer Rückwirkung auf Gesichts- und Hirnschädel. 34p. 8°. Greifswald [1934]

FROMM, H. G. *Ein Beitrag zur Frage der Kieferverbildungen beim angeborenen muskulären Schiefhals mit vergleichender Betrachtung der Kieferfehlbildung bei behinderter Nasenatmung und Lutschprotrusion. 16p. 8°. Gött., 1935.

FUHRMANN, J. *Ueber die Aetiologie der Biss- und Stellungsanomalien der Zähne, insbesondere ihre Entstehung durch Rassenmischung [Rostock] 46p. 8°. Emden, 1935.

GEHRKE, W. K. B. *Physiognomisch-psychologische Veränderungen bei oralen Erkrankungen unter besonderer Berücksichtigung bei pathologischen Erscheinungen an den Kiefern und Zähnen. 36p. 8°. Lpz., 1932.

HENNERKES, B. *Ueber den Zusammenhang der Kiefer- und Zahnstellungsanomalien und sozialer Lage bei den Volksschulkindern Hernes [Würzburg] 58p. 8°. Wertheim, 1934.

HILBERT, I. [K.] *Ueber den Zusammenhang zwischen der sozialen Lage und den Zahnreihen- und Kieferanomalien bei den Schulkindern Bochums [Greifswald] 19p. 8°. Zeulenroda, 1936.

JACOBI, G. *Ueber Zahn- und Kieferanomalien bei angeborenen Geisteskrankheiten; ein Beitrag zu Geistesranke und Gebiss. 43p. 8°. Erlangen, 1931.

JOSEF, F. *Die Ursachen der Stellungsanomalien der Kiefer und der Zähne; eine Studie an Schädeln. 28p. 8°. [Gött.] 1925.

KLOCKMANN, U. *Ueber den Zusammenhang zwischen der sozialen Lage und den Kiefer- und Zahnreihenanomalien bei den Schulkindern des Kreises Malchin. 24p. 22½cm. Greifsw., 1938.

KRAWIETZ, H. *Ueber den Zusammenhang zwischen sozialer Lage und den Kiefer- und Zahnstellungsanomalien bei Schulkindern der Volks- und Mittelschulen des Stadt- und Landkreises Benthien [Greifswald] 19p. 21cm. Würzb., 1938.

KRESSE, H. *Zahn- und Kieferbefunde bei Patienten mit angeborenen körperlichen Schädigungen [Breslau] 19p. 8°. Quakenbrück, 1937.

KÜHNLE, J. *Ueber den Zusammenhang von Kiefer- und Zahnreihenanomalien und der sozialen Lage der Schulkindern Ulms [Würzburg] 83p. 8°. Ulm-Söflingen, 1934.

KULKA, M. *Kiefer- und Zahnreihenanomalien bei angeborenen Missbildungen [Breslau] 19p. 8°. Würzb., 1937.

LÄSSING, H. *Ueber den Zusammenhang von Kiefer- und Zahnreihenanomalien mit der sozialen Lage bei den Schulkindern von Schwäb-Hall und Umgebung [Würzburg] 66p. 8°. Wertheim a. M., 1935.

LOCH, A. *Ueber das Verhältnis der sozialen Lage und Kiefer- und Zahnreihenanomalien bei den Schulkindern in St. Wendel-Saar. 15p. 8°. [Greifsw.] 1936.

MANSBACH, M. [geb. ZLOTNICKI] *Ueber den Einfluss von Schlafagen auf die Entstehung von Kieferanomalien [Bonn] 31p. 8°. Berl., 1931. Also Zschr. Stomat., 1931, 29: 1331-59.

MARCUS, H. W. *Die Hypertrophie des lymphatischen Rachenringes und ihre Bedeutung bei der Entstehung von Kieferanomalien. 45p. 8°. Bonn, 1932.

NOLOPP, P. *Der heutige Stand der Aetiologie der Stellungsanomalien der Kiefer und Zähne [Leipzig] 44p. 8°. [Zeulenroda] 1930.

OTTO, B. *Ueber das Verhältnis der sozialen Lage und Kiefer- und Zahnreihenanomalien bei Schulkindern Bremens [Greifswald] 35p. 21cm. Schweinfurt, 1937.

PASCHKE, S. *Ueber die Aetiologie der Kieferdeformitäten. 26p. 8°. Freib. i. B., 1934.

PEETZ [J. U.] G. *Ueber das Verhältnis zwischen der sozialen Lage und den Kieferanomalien an den Schulen Erfurts. 27p. 8°. Würzb. [1933]

SCHEIBE [C. F.] P. *Ueber Zahn- und Kieferbogenverhältnisse bei Zwergen unter Berücksichtigung der Artikulation [Jena] 34p. 8°. Zeulenroda, 1934.

SCHULZE, J. *Zahn- und Kieferveränderungen bei chronischen Gelenkveränderungen (Auszug) 10p. 8°. Lpz., 1923.

SCHWANDNER, W. *Studien und Beitrag zum Thema Rachitis und Kieferdeformitäten [Tübingen] 29p. 8°. Stuttg., 1930.

SEEBERGER, E. *Ein Beitrag zu der Frage, ob und in welcher Weise im Säuglingsalter sich abspielende schwere Erkrankungen eine bleibende Veränderung am Zahnsystem und Kieferskelett zur Folge haben [Erlangen] 18p. 25½cm. Berl. [1933]

SIGNEUX, P. *Atrésie du maxillaire supérieur chez l'adulte, consécutive à des mutilations étendues du maxillaire inférieur. 44p. 8°. Par., 1926.

STANGENBERG, A. *Einfluss der Rachitis auf Kieferbildung, Beschaffenheit, Durchbruch und Stellung der Zähne. 24p. 8°. Berl., 1933.

ULRICH, E. *Die Theorien über die Entstehung der rachitischen Kieferdeformitäten. 24p. 23cm. Greifsw., 1935.

URMITZER, F. *Ueber den Zusammenhang zwischen sozialer Lage und den Kiefer- und Zahnreihenanomalien bei den Schulkindern in Gils und Umgebung [Greifswald] 16p. 8°. Mayen, 1938.

WALLTUCH, N. *Krankheiten im Kindesalter als ursächliche Faktoren für Struktur- und Stellungsanomalien der Zähne, sowie Deformierungen der Kiefer. 20p. 8°. Lpz., 1934.

WEBER, F. *Kiefer-Wachstumsstörungen als Folge von Zahnkeimostitis. 24p. 8°. Bonn, 1934.

WEIDNER, J. *Ueber Zusammenhänge zwischen sozialer Lage und Kiefer- und Zahnreihenanomalien bei den Schulkindern Heinsberg's bei Aachen. 33p. 8°. Würzb., 1936.

WENDLANDT, R. *Gibt es degenerative Erscheinungen an den menschlichen Kiefern, die man als Kulturercheinungen ansehen muss? [Berlin] 35p. 23cm. Charlottenb., 1938.

Auriti, F., & Aprile, V. Rapporti fra vegetazioni adenoidi ed anomalie di forma delle ossa mascellari. Ann. Clin. odont., Roma, 1937, 14: 528-34. — Beltrán Codina, J. Influencia de los procesos morbosos de la infancia en el desarrollo de los arcos dentarios. Med. niños, 1930, 31: 40-5. — Chapple, C. C., & Davidson, D. T. A study of the relationship between fetal position and certain congenital deformities. Am. J. Orthodont., 1941, 27: 461. — Chenet, H. Les déformations acquises des maxillaires. Odontologie, Par., 1930, 68: 707-13. — Federspiel, M. N. Mouth breathing; its influence on the development of the dental arches and jaws. Dent. Rev., 1908, 22: 1014-20.

Frenzel, A. Kiefer und Zähne als Entwicklungs-Diagnostikum einer gestörten körper-seelischen Individualkonstitution; eine erbbiologische Studie an normal- und schwachsinigen Schulkindern. Deut. Zahn & Heilk., 1935, 2: 53; 307; 378.

Giorli, G. Il rapporto delle arcate dentarie con el anomalie congenite del rachide cervicale. Ann. Clin. odont., Roma, 1931, 8: 31-3. — Gubler, V. Aetiologie der Kieferanomalien. Schweiz. Mschr. Zahnh., 1941, 51: 997-1009. — Guichard, P. Quelques considérations sur le rôle de la glossoptose par rétrognathie. Loire méd., 1929, 43: 49-60, pl. — Hellman, M. Some morphological changes in the jaw bones produced by orthodontic treatment. Dent. Items, 1915, 37: 161-85. — Pickerill, H. P. On the production of narrow jaws by the mastication of tough and (t)rous foods. Proc. R. Soc. M., Lond., 1913-14, 7: Odont. Sect., 92-5. — Pollock, H. C. Maxillary deformities as a result of nasal obstruction. Week. Bull. S. Louis M. Sec., 1914, 8: 464. — Pullen, H. A. Abnormal habits in their relation to malocclusion and facial deformity. Internat. Orthodont. Congr. (1926) 1927, 1, Congr., 201-20. Also Internat. J. Orthodont., 1927, 13: 233-52. — Scheidt, C. Zur Aetiologie der Zahn- und Kieferstellungsanomalien. Arch. klin. Chir., 1929, 155: 602-13. — Schwarz, A. M. Ueber den Einfluss von Schlafagen auf die Entstehung von Kieferanomalien. Zschr. Stomat., 1932, 30: 731-7. — Steuer, I. F. Effects of true infantilism on the jaws and teeth; a case report. J. Am. Dent. Ass., 1929, 16: 1304-6. — Watry, F. Le rôle du terrain dans la pathogénie et le traitement des dysmorphoses dentomaxillaires. Rev. odont., Par., 1934, 55: 34-44. — Weinberger, B. W. The results observed in a further study of prenatal causes of dentofacial deformities. Internat. J. Orthodont., 1918, 4: 1-23. — Yates, A. L. The rôle of nose and throat disease in the production of deformities of the jaw. Internat. J. Orthodont., 1930, 16: 391-7.

Deformity: Prevention and treatment.

See also subheadings (Occlusion; Orthopedies; Surgery)

BONSE, G. *Aetiologie, Prophylaxe und Frühbehandlung der Zahnstellungs- und Kieferanomalien. 40p. 8°. Münster, 1933.

CLAUSSEN, H. *Ueber chirurgische und zahnärztlich-orthopädische Massnahmen zum Ausgleich der Progenie und Makrogenie (an Hand einer im Städtischen Krankenhaus in Neumünster vorgenommenen Operation) 32p. 8°. Kiel, 1931.

GAHR, W. *Ueber den Umfang der Kieferverkrüppelungen unter den Leipziger Volksschulkindern und die Verhütung dieser Schäden [Leipzig] 23p. 21cm. Lengerich i. W., 1936.

Axhausen, G. Die operative Orthopädie bei den Fehlbildungen der Kiefer. Deut. Zahn & Heilk., 1939, 6: 582-600. — Bruhn, C. The surgical-orthopedic removal of the deformations of the jaws. Internat. Orthodont. Congr. (1926) 1927, 1, Congr., 245-59. — Cauhépe, J. Les déformations des maxillaires et leur traitement orthopédique. Médecine, Par.,

1937, 18: 657. — D'Alise, C. Il pane nello sviluppo della faccia e nella profilassi delle deformità dento-facciali. Riv. ital. stomat., 1938, 7: 60-9. — Dreifus, S. Prophylaxis der Kiefermissbildungen; das Stillen der Säuglinge; der Einfluss der mechanischen Vorgänge des Saugens auf die Entwicklung des Kindes. Schweiz. Mschr. Zahnh., 1928, 38: 544-62. — Faconier, H. J., & Patcas, H. L'importance du redressement des malformations dento-maxillo-faciales. Liège méd., 1939, 32: 1-9. — Groth, J. Pourrait-on constater et prévoir à l'aide de l'appareil à mensuration un développement anormal des maxillaires, des angles de la mâchoire inférieure et des condyles? Bull. Soc. anthrop. Bruxelles, 1911, 30: 193-202, pl. — Huber, L. J. Treatment of a case of extreme maxillary malformation in adult life. Internat. J. Orthodont., 1917, 3: 103. — Kazanjian, V. H. Surgical correction of deformities of the jaws and its relation to orthodontia. Ibid., 1936, 22: 259-82. — The interrelation of dentistry and surgery in the treatment of deformities of the face and jaws. In Proc. Dent. Centen. Congr. (Maryland Dent. Ass.) 1940, 489-507. Also Am. J. Orthodont., 1941, 27: Oral Surg., 10-30. — Kuriandsky, V. I. [Orthopedic treatment of dysgenesis.] Stomatologia, Moskva, 1938, No. 4, 95-8. — Northcroft, G. An enquiry into various methods of treatment of some abnormal conditions of the jaws and teeth of children. Dent. Rev., 1909, 23: 809-24. — Pohl, L. Quelques notes sur les déformations faciales causées par des anomalies maxillaires et leur traitement chirurgical et dentaire, avec des démonstrations de plusieurs opérations. Rev. odont., Par., 1929, 50: 134-50. — Robin, P. Prophylaxie et phases évolutives des irrégularités des mâchoires. Odontologie, Par., 1929, 67: 216-22. — Physiothérapie rééducative de la dysontogénie des mâchoires. Clinique, Par., 1934, 29: 71. — Rodgers, F. C. Diagnosis by the general practitioner as a factor in preventing deformities of the jaws and face. Dent. Rev., 1914, 28: 753-5. — Villain, G., & Nevezé, B. de. Prophylaxie, des malformations maxillaires et des malpositions dentaires chez les enfants. Odontologie, Par., 1924, 62: 456-71. — Watry, F. Eumorphie: les dysmorphoses cranio-maxillo-dentaires et leur traitement. Ann. méd. phys., Anvers, 1923-24, 17: 203-10. — Les bases biologiques du traitement physiothérapique des dysmorphoses dento-maxillaires. Rev. odont., Par., 1935, 56: 29-38.

Development and growth.

See also subheading Age changes; also Branchial apparatus; Face, Development and growth; Mastication; Tooth, etc.

EGOZCUE DE SANCTIS, M. I. DE. *Desarrollo de los huesos maxilares del cobayo [Dent.] 53p. 26½cm. B. Air., 1939.

EULUF MARIN, A. *Aplicaciones prácticas de la ceroplastia en la enseñanza de la embriología de la cara y maxilares [Chile] 20p. 26½cm. Santiago, 1940.

GROSS, H. Histologische Untersuchungen über das Wachstum der Kieferknochen beim Menschen. 70p. 8°. Lpz., 1934.

HEROLD, K. *Röntgenstrahlenwirkung auf den wachsenden Hundekiefer; experimentelle Untersuchungen unter Berücksichtigung der Organveränderungen. p.97-128. 8°. Berl., 1931. Also Deut. Mschr. Zahnh., 1931, 49.

KUNATH [L.] W. *Die Kieferentwicklung des Kindes unter besonderer Berücksichtigung der Schlafagen. 16p. 8°. Münch., 1934.

LANG, F. *Ueber das Wachstum der menschlichen vorderen Kieferpartie beim Frontzahnwechsel. 20p. 8°. Frankf. a. M. [1933]

RUMMEL, G. *Ueber den Einfluss der Kaumuskel-Ausschaltung auf die Kiefer- und Schädelform [Frankfurt a. M.] 24p. 8°. Berl., 1926.

SCHMITZ, O. *Die Bedeutung der Funktionen für die Gestaltung der Kiefer [Münster] 75p. 8°. Duisburg, 1933.

WILLMES, F. J. *Untersuchungen der Nahrungsaufnahme bei Brust- und Flaschenkindern und die sich daraus ergebenden Schlussfolgerungen für die Entwicklung des Kauapparates [Bonn] 37p. 22½cm. Bielefeld, 1936.

Adamson, K. The relationship of the deciduous dentition to the normal growth and development of the jaws. Austral. J. Dent., 1940, 44: 344-50. — Allis, E. P., jr. Concerning the homologies of the hyomandibula and procerenium. J. Anat., Lond., 1927-28, 62: 198-220. — Atkinson, S. R. Growth and development of teeth and jaws; mandible, maxilla. Am. J. Orthodont., 1940, 62: 829-42. — Drennan, M. R. Some aspects of jaw growth. S. Afr. M. J., 1936, 10: 765-71. — Egozcue, M.

I. de. Desarrollo de los huesos maxilares del cobayo. Rev. odont., B. Air., 1940, 28: 31; 72.—**Friedenthal, H., & Priester, E.** Zähne und Kiefer als Zeugen der pithekoiden Abstammung des Menschengeschlechts. Deut. Mschr. Zahn., 1932, 50: 880.—**Friel, S.** Further investigations concerning muscles and their relation to the growth of the jaws. Internat. J. Orthodont., 1929, 15: 1078-87.—**Gregory, W. K.** Certain critical stages in the evolution of the vertebrate jaws. Ibid., 1931, 17: 1138-48, ch. — The earliest known fossil stages in the evolution of the oral cavity and jaws. Am. J. Orthodont., 1943, 29: 253-76.—**Gross, H.** Experimentelle Untersuchungen zur Histologie des wachsenden Kieferknochens. Vjschr. Zahn., 1934, 50: 84-105.—**Haynes, W. T.** Development of teeth and jaws. Internat. J. Orthodont., 1935, 21: 1047-55.—**Howard, C. C.** A study of jaw and arch development considered with the normal and abnormal skeleton. Ibid., 1926, 12: 1-14.—**Johnson, L. R.** The development of the jaws. Ibid., 1933, 19: 920-6.—**Kadner, A.** Dientes y mandíbulas del hombre a la luz de la eugenia. Rev. méd. Hamburgo, 1927, 8: 121-7.—**Korkhaus, G.** Favourable and unfavourable tendencies in jaw development. Dent. Rec., Lond., 1936, 56: 161-86.—**Lade, O.** Zur Kieferentwicklung des Säuglings. Kinderärztl. Prax., 1937, 8: 335-7.—**Lewis, S. J., & Lehman, I. A.** Dental orthopedic growth study; a preliminary report on the research on growth and development of the dental arches being carried on at the Merrill-Palmer School at Detroit, Mich. Internat. Orthodont. Congr. (1926) 1927, 1. Congr., 758-60.—**Libin, Sh. I.** [Importance for the entire organism of the condition of the masticating apparatus] Sovet. stomat., 1932, 10: 27.—**Logan, W. H. G., & Kronfeld, R.** Development of the human jaws and surrounding structures from birth to the age of 15 years. Angle Orthodont., 1933, 3: 299-304. Also J. Am. Dent. Ass., 1933, 20: 379-427, pl.—**Norberg, O.** Beiträge zur Kenntnis der Wachstumsverhältnisse der Kiefer beim Menschen. Anat. Anz., 1926-27, 62: 305-26.—**Notes on the growing jaws.** Brit. Dent. J., 1942, 72: 141.—**Noyes, F. B.** The development of the teeth and occlusion as factors in the development of the facial bones. Tr. Am. Lar. Rhin. Otol. Soc., 1912, 18: 275-300.—**Pirili, H.** Untersuchungen an 16 Pferdeschädeln über die Formveränderungen der Zähne und ihre Lage im Kiefer in den verschiedenen Altersstadien. Zschr. ges. Anat., 1. Abt., 1933, 102: 107-68.—**Polia, J. A.** Fundamental factors in bodily growth and their relation to the orthodontic problem. Am. J. Orthodont., 1938, 24: 953-9.—**Rix, R. B.** Notes on the growing jaws. Guy's Hosp. Gaz., Lond., 1941, 55: 111-4.—**Robinson, I.** Weitere Beiträge zur Theorie der hormonalen Morphogenese der Zähne; Versuch einer einheitlichen morphobiologischen Erklärung des normalen und pathologischen Wachstums der Zähne und des Kiefers. Zschr. stomat., 1926, 24: 1-34, 3 pl.—**Schröder, H.** Ueber die Auswirkung der Kaudruckkräfte auf den Aufbau und die Struktur des den Zahn umschließenden Knochens. Deut. Zahn- & Heilk., 1934, 1: 214-35.—**Smith, G. E.** Evolutionary tendencies in the jaws. Internat. J. Orthodont., 1932, 18: 918.—**Thoma, K. H.** Principal factors controlling development of mandible and maxilla. Am. J. Orthodont., 1938, 24: 171-9.—**Thompson, W. M.** A review of the experiments of John Hunter and more recent investigators on localizing the areas of jaw growth. Angle Orthodont., 1932, 2: 244-51.—**Todd, T. W.** Skeletal adjustment in jaw growth. Dent. Cosmos, 1926, 68: 1168-84.—**Zeiser, K.** Entwicklungsphysiologische und konstruktionsanalytische Probleme am menschlichen Kieferapparat. Parodontium, Berl., 1933, 5: 1-12.

Dimensions.

HARTH, G. *Biometrische Untersuchungen über die Dimensionen des Normalgebisses in verschiedenen Lebensaltern; intramaxilläre Beziehungen [Bonn] p.1537-63. 8° Berl., 1930.
Also Deut. Mschr. Zahn., 1930, 48:

HEPBURN, H. *Ist die Kieferhöhe Rasseneigentümlichkeit? [Leipzig] 20p. 8° [Zeulenroda i. Thür., 1930]

LINDER, H. *Biometrische Untersuchungen des Normalgebisses in verschiedenen Lebensaltern; intermaxilläre und dentofaciale Beziehungen [Bonn] 54p. 8° Berl., 1930.

Kelly, W. J., & Langheinz, H. W. Physiologic determination of the vertical dimension. Dent. Digest, 1943, 49: 115-7.

Disease.

HOFFMANN, G. *Zähne, Kiefer und Leibesübungen. 24p. 8° [Heidelb., 1932]

HOMANN, K. *Formveränderungen am Schädel infolge von chronischen Erkrankungen am Kiefer. 32p. 8° Greifsw., 1933.

Adloff. Wer darf Kieferkrankheiten behandeln? Deut. med. Wschr., 1931, 57: 1335.—**Black, W. B.** Chronic maxillary disease; diagnosis and surgical treatment, associated with chronic pulmonary involvement, non-tubercular. Month. Bull. Kansas City Clin. Soc., 1930, 6: 1-8.—**Bloodgood, J. C.** Problem of pain in a tooth or a spot in a jaw, of a loose tooth or teeth, an abscess or a swelling of the lower jaw. J. Am. Dent.

Ass., 1932, 19: 1560.—**Federspiel, M. N.** Further study and review of certain diseases affecting the jaw bones, with report of cases. Dent. Rev., 1914, 28: 1055-65.—**Gerrie, J. W.** Jaw clinics. J. Canad. Dent. Ass., 1933, 4: 188-90.—**Imring, G.** Ein differentialdiagnostisch interessanter Krankheitsfall zwischen Zahn-, Mund- und Kieferheilkunde und Gesamtmedizin. Zbl. Chir., 1938, 65: 1795-8.—**Jacobson, S. A.** Diseases of bone with special reference to the jaws. Arch. Clin. Oral Path., 1937, 1: 57-99.—**Kranz, P. P., & Heiss, J.** Diagnostik der Krankheiten und Anomalien der Zähne und Kiefer im Jugendalter. In Handb. jugendärztl. Arb. (W. Zeller) Lpz., Bd. 1, 1938, 379-96.—**Mayrhofer, B.** Ueber neuzeitliche Kieferheilkunde. Fortsch. Med., 1933, 51: 675. Also Wien. klin. Wschr., 1933, 46: 1-5.—**Moodie, L.** De quelques affections maxillo-dentaires préhistoriques chez les Indiens d'Amérique. Biol. méd., Par., 1931, 21: 236-9.—**Morton, F., Wolf, H., & Goll, H.** Kiefer und Zähne in der La-Tène-Periode. Zschr. Stomat., 1939, 37: 767-80.—**Proell, F.** Ausgewählte Kapitel aus der Mund-, Zahn-, Kieferheilkunde für praktischen Arzt. Deut. med. Wschr., 1939, 65: 645; 1538.—**Spanier, F.** Kiefer-spezialist und Kieferklinik. Med. Welt, 1931, 5: 1367.

Disease: Etiology.

MEIER, G. *Ueber berufliche und gewerbliche Zahn- und Kieferschäden. 19p. 8° Münch., 1935.

RYDEMARK, J. E. *Trophische Störungen der Kiefer und Zähne bei striären Erkrankungen. 31p. 8° Bonn, 1930.

Cahn, L. R. Effect of general osseous dystrophies and disturbances on the bones of the jaws. Ann. Dent., 1936, 3: 149-52.—**Lazzaro, F.** Comportamento dei denti e dei mascellari nella derivazione completa della bile all'esterno. Atti Congr. internaz. stomat. (1935) 1936, 2. Congr., 1: 325-34.—**Ruppe, C., & Marie, R.** Etat maxillo-dentaire dans quelques affections rares de l'enfance. Ibid., 2: 770-6.—**Seeberger, E.** Ein Beitrag zu der Frage, ob und in welcher Weise im Säuglingsalter sich abspielende schwere Erkrankungen eine bleibende Veränderung am Zahnsystem und Kieferskelett zur Folge haben. Vjschr. Zahn., 1933, 49: 146-61.—**Veits, O.** Odontogene Kieferkomplikationen. Wien. klin. Wschr., 1927, 40: 411.

Disease: Pathology.

HERTZLER, A. E. Surgical pathology of the diseases of the mouth and jaws. 248p. 8° Phila. [1938]

LEINER, E. *Ueber den Ablauf von Erkrankungen der Kiefer und der Mundschleimhaut bei Allgemeinerkrankungen und ihre Wechselbeziehungen. 12p. 8° Münch. [1933]

THOMA, K. H. Clinical pathology of the jaws, with a histologic and Roentgen study of practical cases. 643p. 8° Springfield [1934]

Hankey, G. T. Three unusual affections of the jaws. Proc. R. Soc. M., Lond., 1937-38, 31: 1137-41, 4 pl.—**Schönbauer, F.** Histologische Befunde im Kiefer bei Sepsis und Leukämie. Zschr. Stomat., 1929, 27: 804-13.—**Schulz, M.** Makroskopische Untersuchungen an Schädeln, besonders der Kiefer, rachitischer Ratten und ihre Nutzanwendung auf die menschliche Kieferpathologie. Deut. Mschr. Zahn., 1933, 51: 1005-19.—**Siegmund, H.** Ueber die akute Phlebitis der Halsvenen bei odontogenen Kiefererkrankungen als Ausgang septischer Allgemeininfektionen. Deut. Zahn., 1929, H. 74, 55-61.—**Wassmund, M., & Anders, H. E.** Ueber eine bisher unbekannte, destruiende Erkrankung der Kieferknochen. Vjschr. Zahn., 1932, 48: 157-206.—**Zitka, E.** Ein Fall von Xanthomathosis des Kiefers. Schweiz. Mschr. Zahnheilk., 1942, 52: 444 (Abstr.)

Disease: Treatment.

FLIERL, H. *Die Indikation von Zahnextraktionen bei akuten Kiefererkrankungen [München] 20p. 8° Würzb., 1936.

HEESEN, J. *Die klinische Behandlung von Zahn- und Kieferkrankheiten unter besonderer Berücksichtigung der Tätigkeit der Westdeutschen Kieferklinik in Düsseldorf [Münster] 22p. 8° Krefeld, 1933.

HEINKE, E. *Verwendungsmöglichkeiten und Leistungen der kalten Quarzlampe (Hanau) in der Behandlung von Kiefererkrankungen [Berlin] 31p. 21cm. Gütersloh, 1938.

Doherty, J. A. The management of pathological lesions of the jaws. Rhode Island M. J., 1941, 24: 201.—**Reissner, A.** Una nuova via di influenzamento teraureotico dei tessuti dentali e mascellari. Riv. ital. stomat., 1937, 6: 78-93.—**Wassmund, M.** Ueber chirurgische Formrestellung des atrophischen Kiefers zum Zwecke prothetischer Versorgung. Vjschr. Zahn., 1931, 47: 305-19.

— Disease—in animals.

Bradaw, R. Pathological changes in the jaws of animals. *Proc. R. Soc. M., Lond.*, 1934-35, 28: 1672-6.—**Courtial, Carougeau & Porcher, C.** Maladie du son chez le cheval. *Bull. Soc. sc. vét. Lyon*, 1900, 3: 72-7.—**Magens, H. J.** Lumpy jaw of cattle. *North Am. Vet.*, 1933, 15: 31-3.

— Dislocation.

See under **Mandibula**.

— Dynamics.

See also **Mastication**.

DIMAS-ARUTI, F. M. The movement of the jaws in the mastication of foods as seen by the stomatologist. 6p. 24cm. [San Juan, 1933]

JACOBI, H. *Kraftleistung der Kiefer. 21p. 8° Marb., 1932.

LEBER, K. *Untersuchungen über den Kau- und Gelenkdruck beim Säugling. 56p. 8° Frankf. a. M., 1933.

LÖB, A. *In welchen Entfernungen von der Okklusionsebene werden höchste Kaudruckwerte entwickelt? 28p. 22cm. Würzb., 1936.

MÜLLER, A. G. *Ueber Kaudruck und Zahnschmerzhaftigkeitsdruck und deren Messung unter besonderer Berücksichtigung des Haberschen Kaudruckmessers [Frankfurt a. M.] 24p. 8° Berl., 1928.

Also *Zahnärztl. Rdsch.*, 1928.

PETEFF, D. *Kaukraft und Kaudruck bei grossen und kleinen Tieren. p.191-29. 8° Berl., 1927.

Also *Deut. Mschr. Zahnh.*, 1927, 45:

SCHWARZBECK, W. *Kaudruck in Beziehung zu Rechts- und Linkshändigkeit. 43p. 8° Erlangen, 1931.

VIEL, J. *Ueber die lateralen Kieferbewegungen beim Kauen. 62p. 8° Zür., 1933.

Also *Schweiz. Mschr. Zahnh.*, 1933, 43: 647-705

WENZEL, E. *Ueber den Kaudruck bei den verschiedenen Körperbautypen [Würzburg] 27p. 8° Bad Mergentheim, 1934.

Balters, W. Kieferbewegung und Kauflächenform. *Vjschr. Zahnh.*, 1930, 46: 69-84.—**Bluntschli, H., & Schreiber, H.** Analytisches Erforschen und synthetisches Verstehen der Kauwerkzeuge. *Fortsch. Zahnh.*, 1933, 9: 1-5.—**Case, C. S.** Rise and development of intermaxillary force. *Dent. Cosmos*, 1907, 49: 443-52.—**Forster, A.** Considérations sur l'appareil masticateur du canst. *Arch. anat., Strash.*, 1931-32, 13: 187-224, 2 pl.—**Friel, S.** The relation of function to the size and form of the jaws. *Proc. R. Soc. M., Lond.*, 1928-29, 22: Sect. Odont., 53-68.—**Klatsky, M.** A cinefluorographic study of the human masticatory apparatus in function. *Am. Ass. Orthodont.* (1940) 1941, 38: 82-8.—**Sognnaes, R. F.** Studies on masticatory efficiency; review of literature. *Am. J. Orthodont.*, 1941, 27: Oral Surg., 309; passim. — Studies on masticatory efficiency; masticatory efficiency of rats. *Ibid.*, 383-8.—**Triska, W.** Experimentelle Studien über die Beisskraft. *Arch. ges. Physiol.*, 1924, 204: 660-7.—**Wild, W.** Form und Funktion im menschlichen Kauapparat. *Schweiz. Mschr. Zahnh.*, 1933, 43: 55-71.

— Dynamics: Measurement.

BÖHRINGER, K. R. *Eine neue Methode der Kaudruckmessung nach dem Brinellverfahren. 19p. 8° Heidelb., 1932.

BREKHUS, P. J., & ARMSTRONG, W. D. The gnathodynamometer of the School of Dentistry of University of Minnesota. 18p. 8° Minneap. [1936]

BURHAN ABDULHADI. *Kaudruckmessung. 31p. 8° Erlangen, 1930.

DIEDRICH, F. F. *Die Kaudruckmessung und ihre Notwendigkeit in der zahnärztlichen Praxis, mit besonderer Berücksichtigung des Gnathodynamometers nach Haber. 28p. 8° Tüb., 1927.

EYMAN, H. *Kritik der Kaudruckmessung [Tübingen] 37p. 8° Bottrop, 1934.

GREULICH, G. *Die Bedeutung der Kraftmessung mit besonderer Berücksichtigung der Kaudruckmessung. 19p. 8° Münch. [1935]

JACOB, H. *Kaudruckmessung unter besonderer Berücksichtigung der Frage: Ist der Kaudruckmesser nach Haber als zuverlässig zu crachten? 78p. 8° Würzb., 1931.

VOIGTLÄNDER, R. *Die Resektionsschienen bei zahnlosen Kiefer [Leipzig] 32p. 8° [Berl., 1930]

Clementi, A. Gnatoergografo e gnatoergogrammi. *Boll. Soc. ital. biol. sper.*, 1928, 3: 1064-7.—**Fourquet, E.** Les forces inter-dento-ligamentaires-maxillaires; leur détermination en direction, d'après la morphologie des dents et les lois de la mécanique rationnelle (théorie des résultantes des forces concurrentes composées) *Rev. odont., Par.*, 1932, 53: 587-630.—**Greve, K.** Der Habersche Kaudruckmesser. *Deut. Mschr. Zahnh.*, 1926, 44: 617-26.—**Haber, G.** Kaudruckmessung und ihre Verwendung in der täglichen Praxis. *Ibid.*, 1925, 43: 855-7.

Ueber Anwendung der Kaudruckmessung. *Ibid.*, 1927, 45: 487. — Die Aufgabe der Kaudruckmessung und Zahn-druckprüfung und die verschiedenen Kaudruckmessapparate und deren Anwendung. *Zschr. Stomat.*, 1927, 25: 1183-91. — Ergänzungen für die Praxis der Kaudruckmessung. *Deut. Mschr. Zahnh.*, 1928, 46: 412-7.—**Heinroth, H.** Kaudruckmessung. *Fortsch. Zahnh.*, 1928, 4: 110-35.—**Paschke, H.** Klinischer Beitrag zur Kaudruckmessung. *Deut. Mschr. Zahnh.*, 1929, 47: 545-58.—**Wörner, H. K.** Gnathodynamics; the measurement of biting forces with a new design of gnathodynamometer. *Austral. J. Dent.*, 1939, 43: 381-93.

— Endocrine aspects.

See also names of endocrine diseases as **Acromegaly; Cretinism; Parathyroidism**, etc.

EISELMAYR, T. *Der Einfluss der inneren Sekretion auf Zähne und Kiefer unter besonderer Berücksichtigung der Hypophyse. 28p. 8° Tüb., 1931.

GNÄDIG [F. W.] O. *Innere Sekretion und Kieferbildung [Heidelberg] 37p. 8° Bottrop, 1934.

KRAUSE, H. F. B. *Der Einfluss der inneren Sekretion auf die Kieferbildung und das Zahnsystem mit besonderer Berücksichtigung ihrer Beziehungen zur Parodontose. 48p. 8° Münch., 1929.

SCHELLIN, A. *Einfluss der inneren Sekretion auf Kiefer- und Zahnbildung (Auszug) [Leipzig] 8p. 8° Delitzsch, 1923.

Kadner. Abnormalities of the teeth and jaws due to the lack of function of the ductless glands. *Internat. J. Orthodont.*, 1926, 12: 503-22.—**Lebrun, A., Sudaka, R., & Vabois, M.** Hypophyse et troubles maxillo-dentaires. *Rev. odont., Par.*, 1938, 60: 183-208.—**Levy, M. D.** The influence of the endocrines on the teeth and jaws. *Am. J. Orthodont.*, 1940, 26: 671-80.—**Schour, I., & Massier, M.** Effect of the endocrines on the teeth, jaws and facial skeleton. In *Proc. Dent. Cent. Celebr.* (Maryland Dent. Ass.) 1940, 145-56.

— Epithelioma.

See also subheading **Cancer**.

CARLIER, G. *Etude anatomo-clinique et thérapeutique des épithéliomas des maxillaires. 237p. 24½cm. Lille, 1938.

Carlter, G. Quelques facteurs étiologiques des épithéliomas des maxillaires. *J. dent. belge*, 1938, 29: 108-14.—**Dew, H., & Miller, D.** Fibrocystic epitheliomata of the jaw. *Austral. N. Zealand J. Surg.*, 1932, 1: 343-66.—**Thomas, L.** Epithélioma odontoblastique des maxillaires chez une morue. *Bull. Ass. fr. cancer*, 1926, 15: 464-70.

— Examination.

See also subheading **Orthopedics: Diagnostic methods**.

BURI, E. *Die Bestimmung der sagittalen Kiefergelenkbahn bei menschlichen Gebissen unter Berücksichtigung des Kieferaufbaus [Tübingen] 32p. 8° [Feuerbach] 1931.

FAESCH, E. *Kiefermessungen an Idioten; vergleichende Kiefermessungen an Idioten und geistig Normalen, mit Einschluss von Untersuchungen über Zahn- und Kieferanomalien. 98p. 8° Zür., 1917.

HOPP, R. *Methoden und Hilfsmittel zur Feststellung der Gebiss- und Kieferanomalien in der Kieferorthopädie; eine Zusammenstellung [Frankfurt a. M.] 25p. 8° Bottrop, 1935.

HARTH, G. Biometrische Untersuchungen über die Dimensionen des Normalgebisses in verschiedenen Lebensaltern; intramaxilläre Beziehungen. Deut. Mschr. Zahnh., 1930, 48: 1537-63.—PROELL, F. Vitalfärbung bei Tieren zum Studium der Verkalkungs- und Stoffwechselvorgänge in Kiefern und Zähnen. Vjschr. Zahnh., 1927, 43: 467-87.—SCHWARZ, A. M. Die wahre Mitte der Kiefer in der kieferorthopädischen Zustandsbestimmung. Zschr. Stomat., 1936, 34: 257-66.—WEINMANN, J. Ueber Kieferentnahme an der Leiche. Zbl. allg. Path., 1926, 37: 105-7.

Exostosis and hyperostosis.

BALKIN, S. G. Bony nodules on jaw. Dent. Surv., 1942, 18: 1060.—HRDLÍČKA, A. Mandibular and maxillary hyperostosis. Am. J. Phys. Anthropol., 1940, 27: 1-67, 12 pl.—WERMUTH, H. Ueber Exostosen und Hyperostosen der Kiefer. Zschr. Stomat., 1926, 24: 852-76.

Facial angle [incl. physiognometry]

See also Denture, Articulation and occlusion; Instruments; Face, Anthropology; Face, Measurement.

HOGEBOM, F. E. The Schwarz facial measuring instruments. Pacific Dent. Gaz., 1927, 35: 110-6.—HUSSELI, E. Wesen und Bedeutung der Gnathophysiognometrie und der Gnathophormethode nach Professor Dr. Viggo Andresen (die Herstellung und Verwendung des Gnathophormodells) Zschr. Stomat., 1938, 36: 532; 591.—TURNER, B. G. F. The masticatory face. Guy's Hosp. Gaz., Lond., 1933, 47: 125-35.

Fibroma and fibrosarcoma.

BONNER, K. F. *Ueber zwei Fälle von Kieferfibrom. 19p. 8° Königsb., 1935.

TÖRÖK, L. *Ueber die symmetrischen Fibrome der Kiefer. 21p. 8° Lpz., 1935.

KROGUS, A. Gibt es echte zentrale Fibrome der Kiefer? Zbl. Chir., 1926, 53: 386-9.—MATURA, M. Ein Fall von kolossalem zentralen Fibrom am Oberkiefer. Mitt. Med. Akad. Kioto, 1939, 25: 407.—MOREHEAD, F. B. Central fibroma of jaw. Surg. Clin. N. America, 1929, 9: 325.—SEMA, M. D. [Problem of fibroma of the jaws] Odont. stomat., Moskva, 1929, 7: 29-33.

Foreign body.

See also Face, Foreign body.

BRUSZI, P. Achtundfünfzig Jahre lang im Kiefer getragener Fremdkörper. Zschr. Stomat., 1937, 35: 1485.—IVY, R. H., & EBY, J. D. Localization and removal of foreign bodies in maxillofacial region. In Med. Dep. U. S. Army in the World War, Wash., 1924, 11 pt. 2, 465-9.—WHITFIELD, A. J. Localization of a broken needle in the maxillary region. J. Am. Dent. Ass., 1936, 23: 1262-4.

Forensic aspects.

DERKSEN, H. *Ueber Kieferbrüche unter Berücksichtigung ihrer unfallrechtlichen Bedeutung; zusammengestellt bei verschiedenen Berufsgenossenschaften [München] 34p. 21½cm. Kleve [1934]

GÖTZ, A. *Der Begriff des Siechtums nach Verletzungen der Kiefer und Zähne. 15p. 20½cm. Heidelberg, 1936.

KRIEG, H. *Die Beeinträchtigung der Erwerbsfähigkeit nach Kieferbrüchen. 31p. 20½cm. Bonn, 1938.

PATTEN, M. [A.] *Ueber Kieferverletzungen bei Bergwerksunfällen und ihre unfallrechtliche Auswertung [München] 19p. 8° Bottrop, 1935.

BAUMECKER & BRUNNARIUS. Die kaufunktionellen Ergebnisse der in der Chirurgischen Klinik zu Greifswald behandelten Kieferfrakturen und ihre Unfallbewertung. Arch. orthop. Unfallchir., 1933, 33: 536-43.—BONNET-ROY, F. Traumatisme et ostéomyélite des mâchoires (considérations médico-légales) Odontologie, Par., 1933, 71: 68-76.—BRODSKI, J. A. [Loss of capacity to work in fractures of teeth and jaws] Nov. khir., Moskva, 1926, 2: 334.—DZULYŃSKI, W. [Injuries of the teeth and jaws in legal medicine] Polska gaz. lek., 1934, 13: 510-2.—FRENZEL, A. Die parodontale Kiefererkrankung in der sozialen Begutachtung. Vertrauensarzt, 1935, 3: 128-31.—HERRMANN, M. Zur Entstehung, Behandlung und Unfallbewertung der Kieferbrüche. Mschr. Unfallh., 1939, 46: 448-57.—LINDEMANN, A. Die Begutachtung der Unfallverletzungen und der

diesen gleich zu erachtenden Schäden des Mundes, der Kiefer und des Gesichtes. In Leitf. Chir. Orthop. Mund. (Lindemann, A.) Lpz., 1939, 328-52.—LINK, K. H. Klinische und unfallrechtliche Bedeutung der Kieferbrüche. Chirurg, 1935, 7: 564-9.—MALPRACTICE, osteomyelitis following extraction of tooth (New Hampshire) J. Am. M. Ass., 1937, 109: 1072.—MALPRACTICE, liability for incorrectly diagnosing and treating infection of jaw as trigeminal neuralgia. Ibid., 1940, 115: 484.—SPRAWSON, E. Forensic aspects of the teeth and jaws. Lancet, Lond., 1940, 2: 651.—THUREUS, S. Préjudices causés aux mâchoires et aux dents par suite d'accidents; attestation médicale et indemnité en cas de maladies et d'accidents. Atti Congr. internaz. stomat. (1935) 1936, 2. Congr., 2: 1330-2.

Fracture.

See also subheading Injury.

BENGOCHEA, L. *Fracturas de los maxilares [Dent.] 47p. 27cm. B. Air., 1938.

BOYLE, H. H. Theory and treatment of fractures of the jaws in peace and war. 288p. 25cm. Lond., 1940.

HERRMANN, W. *Ueber Kieferbrüche. 15p. 8° [Königsb.] 1936.

IVY, R. H., & CURTIS, L. Fractures of the jaws. 180p. 8° Phila., 1931. Also 2. ed. 192p. 1938.

MAJOR, G. Fractures of the jaws and other facial bones. 446p. 25½cm. S. Louis, 1943.

SCHMID, W. *Unterkiefer-, Oberkiefer- und Jochbeinfrakturen, Zahnverletzungen, Zerstörung von Zahnprothesen und Zahnfüllungen nach Unfällen. 56p. 8° Zür., 1931.

AMIES, A. Fractures of the jaws. Austral. J. Dent., 1940, 44: 1-7.—ARMBRECHT, E. C. Jaw fractures. Internat. J. Orthodont., 1936, 22: 957-75.—BOR, H. A. Fractures of the jaw. Geneesk. tschr. Ned. Indië, 1935, 75: 1530-9.—COUGHLIN, W. T. Fractures of the jaws. J. Missouri M. Ass., 1928, 25: 292-6.—DARDYK, A. I. [Fractures of the jaws] Stomatologia, Moskva, 1938, No. 6, 71-6.—DECHAUME, M. Le rôle du sympathique dans les traumatismes accidentels de la face et les fractures des maxillaires. Presse méd., 1938, 46: 714.

Fractures des maxillaires de diagnostic délicat. Ibid., 1940, 48: 627.—DOHERTY, J. A. Fractures of the maxillary bones. J. Canad. Dent. Ass., 1940, 6: 529-32.—DUNNING, H. S. Fractures of the jaw. Internat. J. M. & S., 1934, 47: 277-86.—EVANS, L. Fractures. Am. Dent. Surgeon, 1925-26, 46: 562.—FOX, C. Fractures of the jaw. Rep. Wayne Co. M. Soc., 1930-31, 20-2.—GARDNER, J. A. Fractures of the maxilla and mandible. Am. J. Nurs., 1933, 33: 939-45.—HAUTANT, A. Les fractures maxillo-faciales. Ann. otolaryng., Par., 1940, 169-94.—IVY, R. H. Fractures of the jaws. Surg. Gyn. Obst., 1935, 60: 531-4.—Fractures of the jaw bones. In Textb. Surg. (Christopher, F.) 3. ed., Phila., 1942, 612-7.—JELINEK, V. J. [Fractures of the mandible and maxilla in times of peace] Voj. san. glasnik, 1935, 6: 513-39.—JONAS. Ueber Kieferfrakturen. Deut. med. Wschr., 1927, 53: 2203.—KJAERHOLM, H. [Fractures of the jaws] Ugeskr. læger, 1940, 102: 321-33.—LYONS, C. J. Some vital phases of fractures of the jaws. Dent. Outlook, N. Y., 1919, 6: 115-20.—MIKKELSEN, O. Fractures of the jaws. Hosp. News, Wash., 1938, 5: 15-24.—MONAT, M. Fractures des maxillaires. J. Canad. Dent. Ass., 1935, 1: 379-82.—MORAL, H., & SCHLAMP, H. Kieferbrüche. Fortsch. Zahnh., 1932, 8: 904-18.—PARKER, D. B. Fractures of the maxillary bones. Laryngoscope, 1942, 52: 365-70.—Fractures of the maxillae. J. Oral Surg., 1943, 1: 122-30.—PARRA, de la [Fractures of the jaw] Gene-sk. tschr. Ned. Indië, 1941, 81: 1886.—REICHENBACH, E. [Bibliography on fracture of the jaw] In his Leitfad. Kieferbruchbehandlung, Lpz., 1935, 122-31.—RISDON, F. Fracture of the jaw. Canad. M. Ass. J., 1938, 39: 572.—SAMUELS, I. Fractures of the jaws. Brit. Dent. J., 1934, 56: 484-92.—SCHLAMP, H. Kieferbrüche. Eortsch. Zahnh., 1933, 9: 991-1006.—Der Zucker- und Kalziumspiegel des Blutes nach Kieferbrüchen. Deut. Zahn &c. Heilk., 1937, 4: 594-601.—SHACKELFORD, J. Fractured jaw. Rep. Wayne Co. M. Soc., 1933-34, 4: 94-6.—SIDORENKO, V. I. [Fractures of the jaws] Sovet. med., 1941, 5: No. 6, 23.—S., J. A. Theory and Treatment of Fractures of the Jaws in Peace and War, by Horace Hayman Boyle; St. Louis, 1940. Am. J. Orthodont., 1942, 28: 457.—SMART, R. C. Fractures of the jaws. Dent. Rec., Lond., 1941, 61: 12-6.—STEADMAN, F. St. J., Round, H. [et al.] Symposium on fractures of the jaws. Brit. Dent. J., 1939, 67: 273-315.—STUMPF, F. W. Fracture of the jaws. J. Am. Dent. Ass., 1942, 29: 1615-28.—THOMAS, E. H. Fractures of the jaws and injuries of the face, mouth and teeth. Surg. Clin. N. America, 1942, 22: 1029-48.—WALDRON, C. W. Fractures of the jaws. J. Lancet, 1933, 53: 317-22; 351-6.—WANNENMACHER, E. Beobachtungen und Untersuchungen bei Kieferfrakturen. Vjschr. Zahnh., 1933, 49: 113-28.—WEISGREEN, H. H., & LEVIN, W. N. Fractures of the jaw and allied traumatic lesions of the facial structures. Ann. Surg., 1936, 103: 428-37.—WILKINSON, B. Fractures of the jaws. Tristate M. J., 1934-35, 7: 1503.

— Fracture: Cases and statistics.

BÜCKLE, H. [E. C.] *Beiträge zur Statistik der Kieferbrüche für die Jahre 1924–35 [Kiel] 14p. 8°. Würzb., 1936.

DUBE, A. *Wie sind gleichzeitige Oberkiefer- und Unterkieferbrüche zu behandeln, und welche Schwierigkeiten sind dabei zu überwinden, unter besonderer Berücksichtigung eines Falles? [Göttingen] 29p. 8°. [Quedlinburg, 1927]

ELLMANN, R. *Bericht über Kieferfrakturen, Behandlung und Heilungserfolge nach 23 Akten von Unfallgenossenschaften. 40p. 8°. Münch., 1935.

HÄNSCH, W. *Zwölf Jahre Kieferbruchbehandlung an der Chirurgischen Universitäts-Klinik zu Göttingen [Göttingen] 31p. 8°. Osnabrück, 1936.

JELÉN, H. [K.] *Kieferbrüche im Kindesalter [Leipzig] 22p. 8°. Zeulenroda, 1933.

JOHANNSON, L. *Beiträge zur Statistik der Kieferbrüche an Hand der in den Jahren 1924–33 an der Münchener Universitäts-Zahnklinik behandelten Fälle. 18p. 8°. Münch. [1933]

KALMEYER, F. [A. W. K.] *Ueber die in den letzten fünf Jahren in der Marburger Chirurgischen Klinik behandelten Kieferfrakturen unter besonderer Berücksichtigung des funktionellen Ergebnisses [Marburg] 35p. 8°. Kirchhain, 1930.

LAHR, K. J. *Unsere Erfahrungen über die in der Zahnärztlichen Poliklinik zu Erlangen behandelten Kieferfrakturen. 51p. 8°. Erlangen, 1929.

PIETSCH, F. *Kieferbrüche im Kindesalter [Breslau] 25p. 8°. [Königszell] 1930.

RÄDELEIN, H. *Die Kieferbrüche in der Erlanger Klinik von 1930–38 unter besonderer Berücksichtigung therapeutischer Massnahmen seit 1936. 23p. 20½cm. Erlangen, 1938.

SCHUMACHER, W. *Die Kieferbrüche und ihre Behandlung von 1900–34 nach dem Materiale der Chirurgischen Klinik und des Zahnärztlichen Institutes Basel [Basel] 21p. 8°. Baar, 1936.

WEBER, E. *Kieferbrüche und deren Behandlung (Beschreibung von 15 Fällen) 33p. 8°. Münch., 1931.

Asbell, M. B. Analysis of 115 cases of fractures of the jaws. *Am. J. Orthodont.*, 1939, 25: 282–9.—Bradshaw, T. L. Compound, comminuted fracture of both maxillae and the mandible. *Internat. J. Orthodont.*, 1935, 21: 260–2.—Dobrzyniecki, A. von. Unverheilte Frakturen, Zufälle bei Zahnoperation. *Zschr. Stomat.*, 1939, 37: 1263–6.—Maltête. Fracture double du maxillaire supérieur; fracture symphysaire du maxillaire inférieur; appareillage. *J. méd. Bordeaux*, 1938, 115: 111–4.—Melchior, M. [Peculiar case of fracture of the jaw] *Hospitals-tidende*, 1933, 76: 829–35.—Mennig, H. Kieferbruchstatistik. *Deut. Zahn & Heilk.*, 1939, 6: 317–27.—Münch, J. & de L'Espine, A. Zur Kieferbruchstatistik unter besonderer Berücksichtigung der Gelenkfortsatzfrakturen. *Nord. med.*, 1941, 12: 3179 (Abstr.).—Ponroy, Dechaume & Maleplate. Fracture complexe (disjonction cranio-faciale et traits de fracture verticaux) du maxillaire supérieur et fracture double du maxillaire inférieur. *Rev. stomat., Par.*, 1934, 36: 470.—Reber, H. R. Die Kieferfrakturen in Bern aus den Jahren 1916–35. *Ausz. Inaugur. Diss. Med. Fak. Univ. Bern* (1935–37) 1938, No. 161, 1–3. Also *Schweiz. Mschr. Zahnh.*, 1938, 48: 321–66, 4 pl.—Schmuziger, P. Die Kieferfrakturen der SUVAL aus den Jahren 1923–26; ihre Heilungsdauer, Erwerbsbeimasse und Invalidität. *Ibid.*, 1929, 39: 234–60.—Vordenbäumen. Sonderfälle von Kieferbrüchen. *Arch. orthop. Unfallchir.*, 1932–33, 32: 608–11.

— Fracture: Complication and sequelae.

ARENS, A. *Ueber Kieferfrakturenosteo-myelitis [Münster] 25p. 8°. Bottrop, 1933.

EICHMANN, K. [L. O.] *Ueber bleibende Folgen von Kieferbrüchen [Leipzig] 28p. 8°. [Lippstadt] 1931.

KELLER, E. *Ueber Kieferfrakturen, insbesondere die mehrfachen Kieferfrakturen [München] 35p. 8°. Würzb., 1936.

LEONHARDT, H. [R.] *Typische und atypische Dislokation bei Kieferbrüchen. 20p. 8°. Borna-Lpz., 1934.

REICHHART, P. *Untersuchungen an Zähnen, welche im Bereich von Kieferfrakturen standen, mit besonderer Berücksichtigung des Zementmantels. 24p. 8°. Tüb., 1933.

SCHMID, J. *Ueber Spätfolgen bei Kieferbrüchen. 20p. 8°. Münch. [1935]

Béliard & Ferrier, A. Deux cas de tolérance alvéolaire prolongée pour des racines d'incisives fracturées par un traumatisme ancien. *Rev. stomat., Par.*, 1928, 30: 456–9.—Beltrami, G. Extra-oral tumor complicating unreduced jaw fractures; a case report. *Dent. Surv.*, 1943, 19: 43.—Berman, S. D. Tooth displacement in jaw fractures treated with cast and interlocking splints. *Ibid.*, 203.—Bisnoff, H. L. Complicated jaw fracture: a case report. *Dent. Cosmos*, 1936, 78: 1287–91.—Euler, T. Ueber das Schicksal eines Zahnes im Bruchspalt. *Deut. Zahnärztl. Wschr.*, 1940, 43: 805–7.—Feldman, M. H. Fracture of jaw of epileptic patient. *Internat. J. Orthodont.*, 1929, 15: 381.—Goldin, L. B. [Methodical procedures in dressing facial wounds complicated by fractures of the jaws] *Stomatologia*, Moskva, 1941, No. 4, 12–9.—Greve. Histologische Befunde bei komplizierten Kieferfrakturen mit besonderer Berücksichtigung des Mandibularkanals. *Deut. Mschr. Zahnh.*, 1927, 45: 458–62.—Link, K. H. Klinische und experimentelle Untersuchungen über Muskelschäden nach Kieferbrüchen. *Arch. klin. Chir.*, 1934, 181: 21–77.—Nye, J. A. Report of a case of compound fracture. *Dent. Cosmos*, 1925, 67: 1088–90.—Paoli, M. Fractures des os maxillaires supérieurs et inférieurs; fractures des os malaires; diplopie. *Rev. stomat., Par.*, 1939, 41: 548–52.—Parfitt, G. J., McLeod, A. C., & Shepherd, P. R. Teeth in the fracture line. *Brit. Dent. J.*, 1942, 73: 35–9.—Petterino Patriarca, A., & Scevola, F. Le fratture estese della mascella superiore e della mandibola. *Osp. maggiore Novara*, 1939, 16: 29–52.—Reiter, E. Reduction and immobilization of a compound fracture of an edentulous jaw. *Dent. Digest*, 1940, 46: 174–6.—Skues, K. F. Compound fracture of the maxilla and the mandible. *Clin. Rep. Melbourne Hosp.*, 1935, 6: 130–2, 3 pl.—Stroblinder, Z. I. [Significance of teeth that are in the region of fractures of the jaws] *Stomatologia*, Moskva, 1939, No. 1, 58–62.—Walker, D. G. Fractures of the jaws; should teeth and comminuted bone be removed? *Proc. R. Soc. M., Lond.*, 1941–42, 35: 663–82.

— Fracture: Healing [incl. disorders]

BAUER, S. *Heilungsdauer und Heilungsbeflussung von Kieferbrüchen [München] 27p. 8°. Würzb., 1935.

BEIER, R. *Heilungsverzögerungen bei Kieferfrakturen [Leipzig] 27p. 8°. Altenburg, 1934.

SEIDEL, W. H. *Ueber die Heilung der Kieferfrakturen [Leipzig] 55p. 8°. [Zeulenroda] 1931.

ZINK, W. *Ueber Falschgelenkbildung unter besonderer Berücksichtigung ihres Sitzes an den Kiefern [München] 28p. 8°. Würzb., 1935.

Ax, L. V. [Treatment of faulty reductions and nonconsolidated fractures of the jaws] *Ortop. travmat.*, 1939, 13: 30–5.—Bolle, R. Beziehungen der im und am Bruchspalt befindlichen Zähne zum Heilverlauf von Kieferfrakturen. *Deut. Zahnärztl. Wschr.*, 1940, 43: 35–7.—Vándory, W. Zur Behandlung in unrichtiger Stellung verheilte Kieferfrakturen. *Zschr. Stomat.*, 1937, 35: 866–71.—Woodard, D. E. Healing time of fractures of the jaw in relation to delay before reduction, infection, syphilis and blood calcium and phosphorus content. *J. Am. Dent. Ass.*, 1931, 18: 419–42.

— Fracture, pathological.

See also subheadings (Cyst; Osteomyelitis; Tumor)

Fisher, A. F., & Wallace, W. R. J. Pathologic fractures of the mandible, predisposed by osteomyelitis. *Am. J. Orthodont.*, 1940, 26: 896–900.—Friedrichs, W. Kieferbrüche im Kindesalter und seltene Zysten. *Deut. Zahnärztl. Wschr.*, 1940, 43: 508–10.—Goodsell, J. O., jr. The treatment of fractures of edentulous jaws. *Dent. Cosmos*, 1930, 72: 385–9.—Paoli. Traitement d'un cas complexe de fractures des maxillaires chez un édenté complet supérieur. *Rev. stomat., Par.*, 1939, 41: 398–402.—Schaefer, J. E. Fractures of edentulous jaws. *Dent. Digest*, 1937, 43: 21–3.—Uvarov, V. M. [Pathological fractures of the jaws] *Vest. khir.*, 1932, 26: 85.

— Fracture: Treatment.

BOYLE, H. H. Fractures of the jaws and edentulousness. 2. ed. 352p. 25½cm. Lond., 1942.

COCHET, C. *Evolution et résultats éloignés des fractures des maxillaires traitées dans le Service universitaire de Lausanne par des gouttières en Anticorodal. 27p. 22½cm. Lausanne, 1937.

DARCISSAC, E. P. Le traitement des fractures des maxillaires. 106p. 8° Par., 1926.

KAUFMANN, M. *Fernergebnisse kieferorthopädisch behandelter Brüche. 23p. 23cm. Stetten-Basel, 1937.

MELZER, W. *Die Anaesthetie bei der Behandlung von Kieferfrakturen. 27p. 8° Lpz., 1935.

PALITZSCH [E.] J. *Ueber das Wesen der Funktion und ihre Bedeutung für die moderne Kieferbruchbehandlung [Leipzig] 40p. 8° Zeulenroda, 1932.

PETRY, E. [geb. DIEFENBACH] *Ueber Kieferbrüche und ihre Behandlung [Leipzig] 50p. 8° [Zeulenroda] 1927.

REICHENBACH, E. Leitfaden der Kieferbruchbehandlung. 133p. 8° Lpz., 1935. ALSO 2. Aufl. 138p. 24cm. 1938.

SCHEDER, P. P. *Eine Darstellung der in der amerikanischen Literatur bekannt gewordenen Kieferbruchbehandlungsmethoden. 32p. 8° Würzb., 1936.

SCHÖNE, W. *Die orthopädische Behandlung difform verheilender Kieferbrüche [Münster] 15p. 21cm. Bochum-Langendr., 1935.

TORRIONE, A. *Le rôle actuel du dentiste dans le traitement des fractures des maxillaires [Genève] 22p. 8° Sion, 1923.

WARCZAK, H. *Zur Spätbehandlung von Kieferbrüchen und ihren Erfolgen. 40p. 8° Bonn, 1937.

ZWICKER, R. *Die Methoden der Kieferbruchbehandlung an der Kieferstation des Katharinenhospitals in Stuttgart [Würzburg] 16p. 21cm. Gütersloh, 1937.

Adaptation from the literature: the selection of the anesthetic in cases of fracture of the jaw. Dent. Digest, 1940, 46: 275.—Bakmutova, E. A. [Treatment of fractures according to Ivy's method] Sovet. med., 1940, No. 4, 38.—Beltrami, G. Conduite à tenir dans les fractures des maxillaires. Marseille mfd., 1940, 77: pt 1, 32-7.—Bowler, A. Treatment of fractures of the jaws. Brit. Dent. J., 1941, 70: 199.—Boyle, H. H. The theory and treatment of fractures of the jaws. Ibid., 1940, 68: 528.—Buzzi, A. Tratamiento inmediato de las fracturas del maxilar. Rev. cir. B. Aires, 1928, 7: 215.—Cavina, C. Les résultats éloignés du traitement des fractures des mâchoires. Rev. stomat., Par., 1927, 29: 815-42. — I risultati della cura delle fratture della mandibola e della mascella. Stomatologia, Mod., 1928, 26: 657-78.—Chace, A. E. Fractures of the jaws; treatment. Dallas M. J., 1926, 12: 127-9.—Doherty, J. A. Fractures of the mandible and maxilla. N. England J. M., 1937, 216: 425-8. — Practical points in the diagnosis and treatment of fractures of the jaws. Surg. Gyn. Obst., 1941, 72: 96-8.—Doherty, J. L., & Doherty, J. A. Fractures of the jaws and treatment. Ibid., 1937, 64: 69-73. — Fracture of the jaws. Am. J. Surg., 1940, 48: 576-81.—Dubov, M. D. [Treatment of fractures of the jaw] Sovet. khir., 1932, 3: 44-7.—Dunn, F. S. Fractures of mandible and maxilla. Am. J. Surg., 1937, 36: 83-7.—Dunning, H. S. Fractures of the jaws. Yearb. N. York & N. England Ass. Railw. Surg., 1933, 32-53.—Egger, F. Zur Behandlung der Kieferfrakturen. Schweiz. med. Wschr., 1934, 64: 1044-7. — Die Behandlung der Kieferfrakturen. Schweiz. Mschr. Zahnh., 1936, 46: 1162-76, 4 pl.—Epes, B. M. The advantages of early treatment of fractures of the jaws and some of the methods employed. Dent. Bull., Wash., 1936, 7: 124-32.—Fell, S. R. Some observations on the treatment of fractures of the jaws. Brit. Dent. J., 1940, 68: 453-60.—Friedman, J. Fractures of the jaws. Dent. Digest, 1931, 37: 71-83.—Gifford, A. C. Clinical report illustrating the application of orthodontic principles in the treatment of fractures of the jaws. Internat. J. Orthodont., 1932, 18: 1285-9.—Gillies, H. D. The replacement and control of maxillo-facial fractures. Brit. Dent. J., 1941, 71: 351-9.—Hamm, W. G. Fractures of the jaws. South. Surgeon, 1941, 10: 185-93.—Heuser, H. Zum Problem der funktionellen Kieferbruchbehandlung.

Deut. zahnärztl. Wschr., 1940, 43: 131-8.—Hume, E. C. Treatment of fractures of the jaw. Kentucky M. J., 1942, 40: 297.—Ipsen, J. Eine Behandlung von Kieferbrüchen. Zbl. Chir., 1933, 60: 2840.—Ivy, R. H. Fractures of the jaws. Ber. Internat. Zahnärztekongr. (1936) 1937, 9. Kongr., 1: 1297-310 [Discussion] 2: 457-64.—Jonas, O. Zur Diagnose und Therapie der Kieferfrakturen. Deut. Zahnh., 1927, H. 68, 1-32.—Kersting, G. Erfahrungen bei Behandlung von Kieferbrüchen. Ibid., 1929, H. 74, 75-8.—Kloehn, S. J. Application of biological principles to treatment of jaw fractures. Angle Orthodont., 1940, 10: 94-100.—Landais, P. Remarques sur le traitement des fractures des maxillaires. Rev. stomat., Par., 1936, 38: 65-73.—Lowrie, W. E. Fractures of the jaws. Pacific Dent. Gaz., 1926, 34: 788-804.—McDonough, F. J. Treatment and complications in fractures of the maxillary bones. Am. J. Orthodont., 1940, 26: 162-74.—Madarász, E. Zur Behandlung der Kieferfrakturen. Zschr. Stomat., 1935, 33: 838-48.—Mari, R. A. Tratamiento ortodóncico de las fracturas de los maxilares. Rev. san. mil. B. Air., 1941, 40: 268-75.—Michaël, P. R. [On fractures and fracture treatment in relation to injuries of the jaw] Tsch. tandheelk., 1939, 46: 962-77.—Michelson, N. M. [Fractures of the jaws] Sovet. khir., 1931, 1: 287-90.—Moorhead, F. B. A better method of treating fractures of the jaws. J. Am. M. Ass., 1934, 102: 1655-7. — The management of fractures of the jaws. Surg. Clin. N. America, 1935, 16: 197-213. — Fractures of the jaws and their management. Am. J. Surg., 1937, 38: 474-9.—Moral, H., & Schlapp, H. Kieferbrüche. Fortsch. Zahnh., 1927, 3: 1025-44; 1928, 4: 1040-52, passim.—Murphy, J. M. Treatment of fractures of the maxillae. Tr. Nat. Dent. Ass., 1910, 378-86.—Neuwirt, F. [Fractures of the jaw and their treatment] Cas. lek. česk., 1937, 76: 1182-8, pl.—Notes on methods of treating fractured jaws in Germany. Brit. Dent. J., 1939, 67: 559.—Ommen, B. van. [Fractures of the jaws from the view-point of modern medicine] Ned. tsschr. geneesk., 1939, 83: 3888-92.—Palazzi, S. Fratture dei mascellari curate con mezzi di fortuna. Ann. Clin. odont., Roma, 1936, 13: 306. — Come il medico pratico può realizzare con mezzi stomatologici semplici una buona terapia delle fratture mascellari. Athena, Roma, 1937, 6: 455.—Parker, D. B. Mechanical methods of treatment of fractures of the jaws. N. York J. Dent., 1942, 12: 271-7.—Pitts, A. T. Treatment of fractures of the jaws. Lancet, Lond., 1926, 2: 1336.—Pomerantseva-Urbanskaia, Z. [Treatment of maxillary fractures in children] Stomatologia, Moskva, 1942, 62-5.—Reichenbach, E. Der gegenwärtige Stand unserer Erfahrungen auf dem Gebiete der Kieferbruchbehandlung. Münch. med. Wschr., 1929, 76: 530-2.—Risdon, F. The treatment of fractures of the jaws. Canad. M. Ass. J., 1929, 20: 260-2. Also J. Canad. Dent. Ass., 1940, 6: 471-3.—Risk, P. A. Role of the orthodontist and the general practitioner in the treatment of jaw fractures. J. Am. Dent. Ass., 1941, 28: 884-94.—Schaeffer, J. E. Treatment of fractures of the mandible and maxilla. Dent. Digest, 1935, 42: 264-70. — & Skinner, M. B. The therapy of jaw fractures and of face injuries. J. Am. M. Ass., 1935, 105: 1679-82.—Schmütziger, P. Die Prinzipien der Kieferbruchbehandlung. Schweiz. med. Wschr., 1930, 60: 101-4. — Die Aufgabe des Zahnarztes bei Kieferfrakturen; eine Wegleitung für Aerzte und Zahnärzte. Praxis, Bern, 1937, 26: 381; 393.—Seward, T. Anatomical principles applied to fractures of the jaw. Austral. J. Dent., 1941, 45: 105-15.—Shapiro, H. H. Fractures of the jaws; anatomical considerations. Arch. Clin. Oral Path., 1939, 3: 153-65.—Skaloud, F. Zahnärztliche Behandlung von Kieferbrüchen. Deut. Militärarzt, 1940, 6: 443 (Abstr.).—Sonntag, E. Kieferbrüche. Mschr. Unfallh., 1936, 43: 369-87.—Steadman, F. St J. Fractures, with special reference to treatment. Brit. Dent. J., 1929, 50: 824-38.—Tratman, E. K. Treatment of fractures of the jaws. J. Malaya Br. M. Ass., 1940, 3: 357-73.—Watson, R. G. The treatment of fractured jaws. Med. Press & Circ., Lond., 1941, 206: 458-60.—Weisengreen, H. H. The selection of the anaesthetic in cases of fracture of the jaw. J. Bone Surg., 1936, 18: 1005-7. — Evaluation of physiotherapeutic modalities in jaw and associated fractures. West. J. Surg., 1937, 45: 537-9.—Woodward, F. D., & Fitz-Hugh, G. S. The management of recent faciomaxillary and mandibular fractures. Virginia M. Month., 1942, 69: 612-9.—Wustrow, P. Zur funktionellen Kieferbruchbehandlung. Zschr. Stomat., 1938, 36: 1171-90.

— Fracture: Treatment: Apparatus, bandages and splints.

BURR, H. *Ueber Schienung von Kieferbrüchen mit nichtrostendem Stahl. 20p. 8° Münch. [1936]

DELORME, J. *Gouttières d'anticorodal pour fractures des maxillaires [Lausanne] 46p. 8° Zür., 1935.

Also Schweiz. Mschr. Zahnh., 1935, 45: 473-518, 8 pl.

FABRY, K. [J.] *Die Behandlung von Kieferbrüchen unter besonderer Berücksichtigung der Verwendung des Kruppstahls und des Okklusions-scharniers nach Herbst [Münster] 17p. 8° Emsdetten, 1935.

LOGES, W. *Ueber Kieferverbände. 18p. 8°. Bresl., 1927.

*Bader, I. J. [Modification of the wire appliance in fractures of the jaws] Stomatologia, Moskva, 1939, No. 4, 48-50.—**Bandaging** (The) of jaw fractures; barrel bandage, Hamilton strap and Fry's elastic support. Brit. Dent. J., 1939, 67: 343.—**Barrel** (The) bandage for the jaw. Nurs. Times, Lond., 1939, 35: 1255.—**Bigelow, H. M.** Vitallium bone screws and appliances for treatment of fracture of the mandible. J. Oral Surg., 1943, 1: 131-7.—**Bischoff, H. L.** Fractures of the jaws; an external traction appliance. Am. J. Orthodont., 1943, 29: Oral Surg., 96-101.—**Brosch, F.** Ueber Kieferbruch und Zahnschienung mit besonderer Berücksichtigung einer Draht-Kautschukschiene. Zsch. Stomat., 1939, 37: 541; 598.—**Cope, H.** Bandage and head-cap for fractures of the mandible or mandible and maxilla. J. Ohio Dent. Soc., 1939, 13: 158.—**Crossley, J. C.** A bandage for jaw fractures. Brit. Dent. J., 1939, 67: 449.—**Egger, F.** Kieferbrüche und Kieferschienenbehandlung. Schweiz. Mschr. Zahn., 1937, 47: 761-5; 1938, 48: 612-7.—**Elwood, H.** Apparatus for the treatment of fractures. Brit. Dent. J., 1938, 65: 524-6.—**Federspiel, M. N.** The value of orthodontic appliances to immobilize jaw fractures. Wisconsin M. J., 1927, 26: 300-1. Also Internat. J. Orthodont., 1928, 14: 135-96.—**Fegent, G., & Sims, F.** Appliances for fractured jaw. Austral. J. Dent., 1937, 41: 262.—**Fry, W. K.** The barrel bandage for fractures of the jaw. Brit. M. J., 1939, 2: 1086.—**Goldin, L. B., & Pomerantseva-Urbanskaia, Z. N.** [Maxillary models for study in applying dressings for fractures of the jaws] Stomatologia, Moskva, 1941, No. 3, 77.—**Hill, L. G.** Head cap; rubber dam bandage for war and emergency jaw fracture use. Dent. Surv., 1942, 18: 916-8.—**Hinricsson, H.** [Apparatus for treatment of injuries of the jaws] Tskr. mil. hškov., 1937, 62: 241-5, pl.—**Holler, W.** Ueber die Anwendung geteilter Verbände in der Kieferbruchbehandlung. Deut. Zahn. u. Heilk., 1934, 1: 293-300.—**Jantzen, J.** Einfache Hilfsmittel zur Kieferbruchschienung mit rostfreiem Stahl (Wipla). Deut. zahnärztl. Wschr., 1941, 44: 215-9.—**Kelsey, H. E.** Fracture splint for simple or multiple fractures of the mandible or maxilla, practical and of easy construction by the orthodontist. Annual Meet. Am. Soc. Orthodont., 1933, 32: 202. Also Internat. J. Orthodont., 1934, 20: 266.—**McLeod, A. C. R., & Shepherd, P. R.** Cap splints. Brit. Dent. J., 1941, 71: 267-77.—**Magioni, A.** Fratture mascellari e derivazioni dalla ferula di Hammond. Stomatologia, Mod., 1926, 24: 537-46.—**Manton, E. L.** An elastoplast jaw bandage. Brit. Dent. J., 1941, 70: 88.—**Miller, R. G.** The construction of sectional splints for maxillary and mandibular fractures. Dent. Digest, 1941, 47: 252-8.—**Mischel, E.** Zur Schienung von Unterkieferfrakturen bei Vorhandensein nur weniger und ungünstig liegender Zähne (Beschreibung eines Falles). Schweiz. Mschr. Zahn., 1932, 42: 126-33, pl.—**Moremen, C. W.** Fractures of the upper and lower jaw and their correction with the dental splint. J. Florida M. Ass., 1928-29, 15: 207-9.—**Ponroy & Psaume.** Du choix des appareils de réduction et de contention dans les fractures des mâchoires. Rev. stomat., Par., 1939-40, 41: 782-9.—**Priestley, E.** A bandage for jaw fractures. Brit. Dent. J., 1939, 67: 561.—**Roos, W.** Die Drahtgitterkinnkappe. Schweiz. med. Wschr., 1940, 70: 770.—**Die Drahtgitterkinnkappe; ein Vorschlag zur ersten Hilfeleistung im Felde für Kieferverletzte.** Ibid., 1941, 71: 719.—**Schlampp, O.** Ein neuartiges System der Kieferbruchschienung. Münch. med. Wschr., 1941, 88: 897.—**Spanier, F.** Die Anwendung der elastischen Binde in der Kieferchirurgie. Chirurg, 1931, 3: 891-3.—**Steinkamm, J.** Die Bedeutung der Morgenroth'schen Untersuchungsgeräthe für die Gestaltung der Schienenverbände bei Kieferfrakturen. Deut. zahnärztl. Wschr., 1940, 43: 525-7.—**Tomey, E. V.** An external dental splint for fractures of the jaws. Brit. Dent. J., 1940, 69: 55.—**Tregarthen, G. G. T.** External splint for use in the treatment of fracture of the jaw and derangements of the temporomandibular joint. Ibid., 1942, 72: 9-12.—**Truffert, P.** Présentation d'appareil [d'immobilisation extemporanée] Mém. Acad. chir., Par., 1939, 65: 1075.—**Willett, R. C.** Interdental fixation appliances for jaw fractures. Dent. Items, 1928, 50: 788-99.—**Wuhrmann, H.** Schienen-Therapie einer komplizierten Oberkieferfraktur. Schweiz. med. Wschr., 1932, 62: 767.

Fracture: Treatment: First aid.

Dental notes; the importance of early treatment of fractures. Contact, Pensacola, 1942, 1: No. 4, 22.—**Fabricius-Møller, J., & Kjaerholm, H.** [First aid in fractures of the jaw] Ugeskr. læger, 1941, 103: 1307-12.—**Fry, W. K.** First-aid treatment of fractures of the jaw. Brit. Dent. J., 1939, 67: 490-500.—**Miller, H.** First aid treatment of jaw-fractures. Pacific Coast M., 1941, 8: 32-5.—**Nannestad, C.** [First aid in fractures of the jaw] Ugeskr. læger, 1941, 103: 1374.—**Proell, F.** Erste Hilfe bei Kieferbrüchen und -schussbrüchen. Deut. med. Wschr., 1939, 65: 1538-43.—**Sorrels, T. W.** First aid appliance for treatment of fractured jaws. Am. J. Orthodont., 1941, 27: 714-6.—**Spanier, F.** First aid splinting of broken jaws. Med. Rec., N. Y., 1942, 155: 377.—**Urgency** in fracture treatment. Brit. Dent. J., 1942, 72: 279.

Fracture: Treatment: History.

BERG, G. E. *Ueber die Geschichte der Kieferbruchbehandlung bis zum Jahre 1914. 41p. 8°. Würzb., 1932.

KEMPKE, H. *Die geschichtliche Entwicklung der Behandlung der Kieferfrakturen. 46p. 22cm. Marb., 1936.

LÜCHMANN, G. *Eine Übersichts über den Stand des zahnärztlichen Handelns bei Kieferfrakturen. 23p. 8°. Tüb., 1934.

NEUMANN, R. R. *Ueber die Entwicklung der Behandlung der Kieferbrüche [Berlin] 16p. 8°. Würzb., 1936.

Fracture: Treatment: Immobilization.

JELLINGHAUS, M. *Die Knochennaht bei Kieferbrüchen. 24p. 23cm. Münch., 1936.

Bercher, J. Le blocage bi-maxillaire par ligatures selon le procédé de R. H. Ivy. Rev. stomat., Par., 1938, 40: 103. Also J. Canad. Dent. Ass., 1941, 7: 108-10.—**Borrv, H. C.** A new departure from orthodox methods of setting fractured edentulous mandibles. J. Am. Dent. Ass., 1941, 28: 388-92.—**Brown, J. B., & McDowell, F.** Internal wire fixation for fractures of jaw; preliminary report. Surg. Gyn. Obst., 1942, 74: 227-30. Also Am. J. Orthodont., 1943, 29: Oral Surg., 86-91.—**Internal wire fixation of jaw fractures; second report, with note on external bar fixation.** Surg. Gyn. Obst., 1942, 75: 361-8.—**Fouser, R. H.** Methods of immobilization of the mandible in the treatment of fractures. J. Am. Dent. Ass., 1926, 13: 1275.—**Hall, J. J.** Hook eyelet method of fracture wiring. Dent. Digest, 1942, 48: 114.—**Link, K. H.** Zur Frage der Knochennaht bei Kieferbrüchen. Zbl. Chir., 1937, 64: 988-93.—**Mowlem, R.** A review of fixation methods from the standpoint of the plastic surgeon. Brit. Dent. J., 1941, 71: 323-31.—**Experiences with various methods of skeletal fixation in fractures of the jaws.** Proc. R. Soc. M., Lond., 1941-42, 35: 415-6.—**Raginsky, M. K.** [Method of fixation of wire prosthesis for the jaw by ligatures] Stomatologia, Moskva, 1939, No. 6, 86.—**Stover, C. B.** Fracture of upper and lower maxillae where simple ligation of teeth was not sufficient to hold fragments in position. Dominion Dent. J., 1926, 38: 2.—**Trivino Rodríguez, J.** Tratamiento personal por medio de la ligadura elástica en las fracturas del maxilar. Actas Congr. méd. mil. (Spain) 1939, 1. Congr., 316-21.—**Waldron, C. W., Kazanjian, V. H., & Parker, D. B.** Skeletal fixation in the treatment of fractures of the mandible; a review. J. Oral Surg., 1943, 1: 59-83.—**Woodard, D. E.** Circumferential wiring simplified for edentulous jaw fractures. Dent. Digest, 1942, 48: 321.—**Wright, C. F.** Occlusal reduction in jaw fracture management. Angle Orthodont., 1937, 7: 67-80.

Fracture—in warfare.

See also subheading Injury—in warfare.

Beretta, A. Alcuni aspetti della patologia orale; trattamento delle fratture delle ossa mascellari. Gior. med. mil., 1933, 81: 952-6.—**Curtis, L.** Fractures of the maxilla and mandible. Mil. Surgeon, 1941, 89: 648-52.—**Dunning, H. S.** War surgery and automobile injuries. N. York J. Dent., 1937, 7: 15.—**Evald** [Treatment of fractures of the jaw] Miliærlæggen, 1936, 42: 85-102, 15 pl.—**Fairbank, L. C., & Ivy, R. H.** Emergency treatment and primary apparatus for fractures of the jaws in warfare. Off. Rep. Internat. Congr. Mil. M. & Pharm., 1939, 10. Congr., 255-70 [Discussion] Proc., 206-18. Also Mil. Surgeon, 1940, 86: 124-34.—**Ferrand, F.** L'ossification du plancher de la bouche chez les fracturés de guerre. Odontologie, Par., 1933, 71: 173-7.—**Gilkinson, C. C.** The treatment of maxillomandibular fractures at aid station and at base hospital. Mil. Surgeon, 1939, 84: 441-51.—**Grunewald, A. H.** The oral surgeon, prosthodontist, and orthopedist as a team in difficult fractures of the jaws; report of a case. U. S. Nav. M. Bull., 1943, 41: 157-67.—**Ivy, R. H., & Eby, J. D.** Fractures. In Med. Dep. U. S. Army in the World War, Wash., 1924, 11: pt 2, 411-30.—**McIndoe, A. H.** Surgical and dental treatment of fractures of the upper and lower jaws in war time; a review of 119 cases. Proc. R. Soc. M., Lond., 1940-41, 34: 267-88. Also Rev. san. mil., Habana, 1942, 6: 178-80.—**Quiroga y Quiroga, J. R.** Fracturas de los maxilares en la guerra del Chaco. Rev. san. mil., La Paz, 1938, 4: 609-14.—**Reichenbach, E.** Erste kieferchirurgische Erfahrungen aus dem Feldzug gegen Polen. Deut. zahnärztl. Wschr., 1940, 43: 51-64.—**Shtevka, A.** [Five cases of fracture of the jaws] Voj. san. glasnik, 1937, 8: 502-6.—**Thourén, G.** [Fractures of the jaw during war and their treatment] Nord. med., 1939, 3: 2642-56.—**Woods, S. H.** A report on the types, causes, locations and treatment of 76 recent cases of fractures of the jaws. J. R. Army M. Corps, 1937, 68: 366-78.—**Yando, A. H., & Taylor, R. W.** Fracture of maxillae and mandible; 2 case reports. U. S. Nav. M. Bull., 1942, 40: 155-7, 6 pl.

Giant cell tumor.

DAVIDOVICI, A. *Contribution à l'étude des tumeurs centrales à myélopaxes des maxillaires. 69p. 24cm. Par., 1939.

DAVIDSOHN, K. *Ueber das zentrale Riesenzellensarkom der Kiefer. 15p. 8°. [Berl.] 1927.

MAHLICH, W. [H. K. O.] *Ueber Behandlung und Heilerfolge bei den Riesenzellgeschwülsten am Kiefer. 37p. 8°. Berl., 1932.

SCHWESINGER, P. *Bedeutung der Radium- und Röntgenbestrahlung zur Verhinderung von Rezidiven der operierten Ostitis fibrosa (Riesenzellepulis) [Heidelberg] 17p. 8°. Lauba, 1936.

AXHAUSEN, G. Zur Abgrenzung des sarkomartigen Granuloms des Kiefers. Deut. Zahn & Heilk., 1935, 2: 406-18.

BERGER, A. Central giant cell tumors of the jaws. J. Dent. Res., 1942, 21: 327 (Abstr.).—CATERINA, A. Epulide sarcomatosa da irritazione di corpo straniero (tiranervi) infisso nell'alveolo di un dente. Clin. chir., Milano, 1930, 33: 1292-306.

DAUBRESSE-MORELLE, E. La radiothérapie, traitement de choix des tumeurs à cellules géantes des maxillaires (tumeurs à myéloxplaxes). Ann. Inst. chir. Bruxelles, 1929, 30: 8-11. Also Odontologie, Par., 1929, 67: 227.—DECHAUME, M. Tumeurs à myéloxplaxes des maxillaires: essai de pathogénie. Mém. Acad. chir., Par., 1938, 64: 152. Also Schweiz. Mschr. Zahnh., 1938, 48: 375-82, 6 pl.—GRANDCLAUDE, V., & MAUREL, G. Les tumeurs à myéloxplaxes des maxillaires. Rev. odont., Par., 1934, 55: 623-58.

HÄUPL, K. Ueber sogenannte Riesenzellensarkome im Bereiche der Kiefer. Wien. klin. Wschr., 1927, 40: 1020-3.

HAMMER, H. Beiträge zur Histologie der Riesenzellgeschwülste der Kiefer. Vjschr. Zahnh., 1930, 46: 535-32.

— Zur Pathogenese, Diagnostik und Therapie der zentralen Riesenzellgeschwülste der Kiefer. Deut. Zschr. Chir., 1931, 232: 224-37.

HASTHOFER, L., & BAUER, W. Beitrag zur Frage der braunen Tumoren und der örtlichen Ostitis fibrosa des Unterkiefers. Vjschr. Zahnh., 1930, 46: 487-504.

IMMENKAMP, A. Zur Pathologie und Therapie des Riesenzellgranuloms. Deut. Zahn & Heilk., 1938, 5: 282-92.

LANDAIS, P. Tumeurs à myéloxplaxes des maxillaires et infection dentaire périapicale. Rev. stomat., Par., 1933, 35: 199-210 [Discussion] 217-21.

MAJOR, S. G. Giant cell tumors of the jaws. Ann. Surg., 1936, 104: 1068-79.

POLET, M. Tumeurs à myéloxplaxes et sarcomes des maxillaires. Ann. Inst. chir. Bruxelles, 1929, 30: 1-7. Also Odontologie, Par., 1929, 67: 223-6.

Hereditary aspects.

ALLOUARD, L. *Contribution à l'étude des malpositions dentomaxillaires par hérédité pure. 115p. 8°. Lyon, 1936.

FALKNER VON SONNENBURG, E. M. *Beitrag zum Thema: Ueber den Einfluss erblicher Momente hinsichtlich der Aetiologie von Zahnstellungs- und Gebissanomalien. 18p. 8°. Münch., 1934.

FETSCH, W. *Können Kieferdeformitäten erworben werden? [München] 27p. 8°. Würzb., 1933.

HELL, N. *Ein Beitrag zur Erbllichkeit von Zahn- und Kieferanomalien, insbesondere der Progenie. 51p. 8°. Münch., 1930.

LUDWIG, G. *Vergleichende Erhebungen über die Ausmasse von Kiefern und Zahnreihen zur Feststellung von Erbeeinflüssen [Greifswald] 27p. 8°. Würzb., 1936.

PLATT, H. *Beitrag zur Frage der Vererblichkeit von Zahn- und Kieferanomalien [Würzburg] 33p. 21cm. Jdar-Oberstein, 1938.

ITTER, R. Ueber die Frage der Vererbung von Anomalien der Kiefer und Zähne; nach Studien an 126 zweieiigen, 96 eineiigen Zwillingspaaren, einem Fall von Vierlingen, sowie Tierzuchtversuchen. 74p. 8°. Lpz., 1937.

SCHMIDT, W. [A. E.] *Die Aetiologie des offenen Bisses unter besonderer Berücksichtigung erbbiologischer Momente. 28p. 8°. Lpz., 1936.

SCHNIEDERMANN, M. *Kiefer- und Zahnreihen-anomalien in erbbiologischer und sozialer Hinsicht im Notstandsgebiet Rhön. 21p. 8°. Würzb., 1937.

STEIDLE, E. *Ueber ein eigentümliches angeborenes Erbleiden, eine Fibrose der Kiefer. 12p. 8°. Würzb., 1936.

BROCKMAN, R. W. [Observations on the Hapsburg family type of prognathism] Tsch. tandheelk., 1928, 35: 174-86.

HOLTZ, R. Ueber Vererbung von Zahn- und Kieferanomalien. Schweiz. Mschr. Zahnh., 1938, 48: 513-7.—KADNER, A. Zähne und Kiefer des Menschen im Lichte der Vererbungswissenschaft. Tungchi med. Mschr., 1927-28, 3: 245-50. Also

Internat. J. Orthodont., 1928, 14: 461-9.—PONT, A. L'hérédité et les malpositions dento-maxillaires. Atti Congr. internaz. stomat. (1935) 1936, 2. Congr., 2: 767-9.—RUBBRECHT, O. A study of the heredity of the anomalies of the jaws. Am. J. Orthodont., 1939, 25: 751-79.—STEINER, B. Kasuistik und Bemerkungen zur Vererbung von Kiefer- und Zahnanomalien. Zschr. Stomat., 1927, 25: 300-7.

Histology.

EPPEL, A. *Untersuchungen über die Malassez'schen Epithelreste [Basel] 24p. 8°. Laupen-Bern, 1936.

KRÜGER, E. *Die Verteilung der Malassez'schen epithelialen Zellnester im Kiefer. 23p. 8°. Kiel, 1934.

SÖHNEN, K. [H.] *Histologische Befunde am Kiefer eines Sechsjährigen [Berlin] 55p. 23cm. Charlottenb., 1937.

TURNER, J. G. The histology of the periodontal sulcus. Am. Dent. Surgeon, 1927, 47: 519-21.

Hypertrophy.

CHIUMINATTO, L. Contributo allo studio delle ipertrofie ossee dei mascellari. Riv. ital. stomat., 1933, 2: 833-54.—HUGHES, E. C. Some chronic enlargements of the jaws. Brit. Dent. J., 48: 129-33.

Inflammation and infection.

See also subheadings (Abscess; Osteitis; Osteomyelitis)

COLYER, S. W. R. Chronic infection of the jaws; a short radiological and clinical study. 75p. 8°. Lond., 1926.

WOLF, S. [F.] *Die Einwirkung der Röntgenstrahlen auf entzündliche Vorgänge im Bereich des Kiefers. 20p. 8°. Würzb., 1933.

ALBRIGHT, G. C. Sulfathiazole and its use in infections of the jaws. J. Am. Dent. Ass., 1943, 30: 249-52.—BERGER, A. Sequelae of dental infections in the maxillae. Dent. Items, 1916, 38: 241-59.—CARR, M. W. Surgical pathology of the acute infections of the maxillo-facial area. Mil. Surgeon, 1940, 87: 289-98.

COLYER, S. Rheumatism, the infected jaw, and the dental surgeon. Am. Dent. Surgeon, 1928, 48: 205-11.—DINGMAN, R. O. The management of acute infections of the face and jaws. Am. J. Orthodont., 1939, 25: 780-94.

HUMBLE, B. H. Residual infection of the jaws from the radiologist's point of view. Glasgow M. J., 1936, 126: Suppl., 17: 1937, 127: Suppl., 25.—KOTÁNYI, E. Zur Behandlung akut entzündlicher Erkrankungen der Kiefer und der Zähne. Zschr. Stomat., 1936, 34: 157-61.—KOWARSKI, G., & KOPPELMANN, S. Zur Röntgenbehandlung der odontogenen entzündlichen Erkrankungen der Kiefer. Röntgenpraxis, 1929, 1: 839-43.

LEITMAN, S. S., & KOLIADETSKAIA, E. A. [Spreading of infection in operative treatment of the dentomaxillary system] Stomatologia, Moskva, 1938, No. 3, 75-80.—LEORMANT, C., & RUPPE, C. Maladies infectieuses et inflammatoires des mâchoires. In Précis path. chir., 6. éd., Par., 1938, 2: 764-800.

LINDEMANN, A. Resultados de las inflamaciones graves de los maxilares y su tratamiento quirúrgico y ortopédico. Rev. méd. germ. ibér. amer., 1935, 8: 170-6.—MULMENKO, M. M., & STEPANOV, N. M. [Protozoa in suppurative affections of the jaws] Stomatologia, Moskva, 1939, 44-50.—NORD, C. F. L. [Focal infections and the jaw] Genesek. gids., 1939, 17: 85-7.

PADGETT, E. C. Severe infections of the jaw bones, with a report of 2 unique cases. J. Am. Dent. Ass., 1941, 28: 683-91.—RISDON, F. Infection of the jaws. J. Canad. Dent. Ass., 1938, 4: 239-43.—SHEEHAN, J. E. Inflammatory conditions of the jaw. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 8: 205-12.—STAROBINSKY, I. M. [Primary intervention in acute odontogenous inflammatory processes of the jaws] Stomatologia, Moskva, 1938, No. 2, 59-64.—STOLLER, S. Local anesthesia in the presence of inflammation of the jaws. Dent. Items, 1938, 60: 820-5.—TAYLOR, R. S. Residual infection of the jaws. Brit. M. J., 1934, 2: 552.—VALENZUELA, M. Enfermedades genéricamente inflamatorias de los maxilares y en particular las del inferior. Actas Congr. dent. españ. (1905) 1906, 3. Congr., 62-78.—VASILIEV, G. A. [Electro-surgery in inflammatory processes of the jaws] Stomatologia, Moskva, 1938, 33-6.—LEIBCHIK, M. A. [Vaccino-therapy of chronic inflammatory processes of the jaws] Ibid., 1937, No. 5, 82-8.—WASSMUND, M. Ueber Leptothrichose und Streptothrichose in der Umgebung der Kiefer. Deut. Zahn & Heilk., 1935, 2: 81-4.—WINTER, L. Prevention and treatment of acute infections about the jaws and face. Dent. J. Australia, 1933, 5: 405-9.

Injury.

See also Jaw, Fracture.

DELAHAYE, E. *Ueber Kieferverletzungen mit besonderer Berücksichtigung solcher bei

Knappschaftsversicherten. 34p. 8°. Münch., 1935.

FIEDLER, E. *Ueber den Anteil der Zahn- und Kieferverletzungen bei Sport- und Verkehrsunfällen [Jena] 20p. 8°. Ohlau, 1933.

FRANZEN, A. *Die traumatischen Schädigungen von Kiefer und Gebiss [Leipzig] 29p. 8°. Zeulenroda, 1932.

FUCHS, M. *Beitrag zum Problem: Die zahnärztlichen Erstmassnahmen bei frischen Kieferverletzungen, unter besonderer Berücksichtigung mundbeständiger Nichtedelmetalle. 39p. 8°. Bonn, 1935.

JAMES, W. W., & FICKLING, B. W. Injuries of the jaws and face. 199p. 25cm. Lond. [1940]

KUNZE, W. *Ueber isolierte Zahn- und Kieferverletzungen in der Kieler Eisen- und Stahlindustrie. 29p. 8°. Kiel, 1933.

LEVY, E. *Sportverletzungen der Zähne und Kiefer. 43p. 8°. Bonn, 1933.

PARKER, D. B. Synopsis of traumatic injuries of the face and jaws. 334p. 20cm. S. Louis, 1942.

PERTHES, G., & BORCHERS, E. Verletzungen und Krankheiten der Kiefer. 2. Aufl. 623p. 8°. Stuttgart, 1932.

PÓSTA, A. Nachbehandlung der Kieferverletzungen. 41p. 23cm. Lpz., 1916.

RÖSEMEIER, H. *Ueber isolierte Zahn- und Kieferverletzungen in der schleswig-holsteinischen landwirtschaftlichen Berufsgenossenschaft. 28p. 8°. Kiel, 1934.

SAUTER, H. *Ein Beitrag zum Abschnitt: Kieferverletzungen; Erfahrungen bei 73 Verletzten der chirurgischen Abteilung des Augsburger städtischen Krankenhauses [München] 49p. 8°. Würzb., 1935.

SCHLICKER, W. *Prothetische Nachbehandlung Kieferverletzter [München] 19p. 8°. Saarbrücken [1932]

SCHMITZ, W. *Berufsschäden an Kiefer und Zähnen [Bonn] 27p. 6 tab. 8°. Bad Neuenahr, 1933.

SINGER, L. *Sportverletzungen der Zähne und Kiefer; ihre Entstehung und Prophylaxe [München] 20p. 8°. Kallmünz, 1932.

THOMA, K. H. Traumatic surgery of the jaws. 315p. 25½cm. S. Louis, 1942.

VIETTEL, K. [E.] *Ueber isolierte Zahn- und Kieferverletzungen im Kieler Baugewerbe. 29p. 8°. Kiel, 1933.

VOSS, F. *Erste Hilfsmassnahmen bei Kieferverletzungen. 16p. 8°. Münch., 1934.

WONS, A. *Kieferverletzungen; ihre Heilung und Behandlung. 20p. 8°. Bresl., 1927.

ANDERSON, B. G. Injuries to the jaws. Connecticut M. J., 1942, 6: 799-805.—AX, L. V. [Peculiarities in alimentation and care of patients with maxillary-facial injuries] Ortop. travmat., 1940, 14: 90-6.—BERTHACH, K. Ein Fall von Kieferverletzung. Münch. med. Wschr., 1929, 76: 715.—BROWN, J. B., & McDOWELL, F. The care of severe injuries of the face and jaws. J. Lancet, 1940, 60: 260-7.—BRUNN, C. Kiefer und Zähne. In Handb. ges. Unfallh. (F. König, & G. Magnus) Stuttg., 1934, 4: 301-32.—CROMBIE, H. M. Head gear in the treatment of jaw injuries. Brit. Dent. J., 1941, 71: 297-303.—ENTIN, D. A. [Extent and aspect of maxillary wounds, demanding immediate aid] Vrach. delo, 1940, 22: 727-30.—FAIRBANK, L. C. The responsibility of the orthodontist in the treatment of traumatic injuries of the face and jaws. Am. Ass. Orthodont. (1941) 1942, 39: 6-14. Also Am. J. Orthodont., 1941, 27: 414-22.—FEDERSPIEL, M. N. Maxillo-facial injuries. Wisconsin M. J., 1934, 33: 561-8.—FOX, C. Maxillo-facial injuries. Am. J. Orthodont., 1942, 28: Oral Surg., 202-12.—FRANK, L. [The dentist's part in treatment of injuries of the jaw] Tsch. tandheelk., 1939, 46: 978-90.—GAUSON, F. H. First aid and emergency treatment of jaw casualties. Austral. J. Dent., 1942, 46: 68.—GINGRASS, R. P. Maxillo-facial injuries. Wisconsin M. J., 1934, 33: 568-71.—GOLDBERG, L. S. [Roentgen diagnosis of maxillo-facial wounds] Stomatologia, Moskva, 1942, No. 3, 30-2.—

GORINEVSKAIA, V. V. [Therapeutic exercises at health resorts in treatment of traumatic injuries of the upper and lower jaws] Vopr. kurort., 1941, 49-54.—GUTHRIE, J. E. H. The need for immediate care and supervision following injury to the jaws and teeth, particularly in childhood and adolescence. Pub. Health News, Trenton, 1938, 22: 211.—GUY, W. Injuries of the jaw. Brit. Dent. J., 1928, 49: 904-9.—HAUPTMEYER, F. Ueber Verletzungen der Zähne und Kiefer bei Jugendlichen. Ber. Deut. Ges. Zahn & Heilk. (1937) 1933, 74. Tag., 2. T., 260-2.—HOFRATH, H. Ein Beitrag zur chirurgisch-orthopädischen Behandlung der Gesichts-Kieferverletzungen. Deut. zahnärztl. Wschr., 1941, 44: 31; 47.—KALINEIKO, I. P. [Injury of jaws in the farming industry] Sovet. stomat., 1932, 10: 8.—KATAEV, P. S. [Diets in maxillary wounds] Stomatologia, Moskva, 1942, 24-6.—KAZANJIAN, V. H. Primary care of injuries of the face and jaws. Surg. Gyn. Obst., 1941, 72: 431-6. Also J. District of Columbia Dent. Soc., 1941-42, 16: No. 2, 11-6.—LEORMANT, C., & RUPPE, C. Lésions traumatiques des mâchoires. In Précis path. chir., 6. éd., Par., 1938, 2: 740-63.—LINK, K. H. Ueber gewerbliche Kieferverletzungen. Arch. orthop. Unfallheilk., 1935-36, 36: 47-59.—LÖHLEIN, W. Beteiligung des Auges und seiner Adnexe bei den Verletzungen im Bereich des Mundes und der Kiefer. In Leitf. Chir. Orthop. Mund. (Lindemann, A.) Lpz., 1939, 267-80.—LUKOMSKY, I. G. [Wounds of the face and jaws] Stomatologia, Moskva, 1942, 21-4.—MCLACHLAN, H. Dietary management in the treatment of maxillo-facial injuries. J. Am. Diet. Ass., 1942, 18: 746-8.—MATHIS, G. Kieferverletzungen. Münch. med. Wschr., 1941, 88: 537 (Abstr.) — Sport- und Kieferverletzungen. Wien. klin. Wschr., 1941, 54: 423-7.—MAXILLO-facial wounds. Lancet, Lond., 1941, 2: 200.—NEUMANN & HEINRICH, E. Bericht über den Kurs der Akademie für ärztliche Fortbildung über Verletzungen des Gesichts und des Gesichtsschädels vom 8. bis 13. April 1940. Zahnärztl. Rdsch., 1940, 49: 927-31.—PADGETT, E. C. The management of injuries of the face and jaws with special reference to the common automobile injury. J. Kansas M. Soc., 1937, 38: 240-8. — Severe injuries of the face and jaws. Tr. Soc. Plast. Surg., Chic., 1940, 9. meet., 55-63. Also Am. J. Surg., 1941, 51: 829-48. — The late care of severe injuries of the face and jaws. Am. J. Orthodont., 1941, 27: Oral Surg., 190-207. Also Surg. Gyn. Obst., 1941, 72: 437-52. — The care of injuries of the face and jaws. Am. J. Orthodont., 1942, 28: Oral Surg., 213-21.—PEVZNER, M. I. [Various drinks for the wounded] Stomatologia, Moskva, 1942, No. 3, 50.—PIATNITSKY, F. A. [Alimentation in maxillary-facial trauma] Klin. med., Moskva, 1942, 20: No. 3, 22-8.—RAUER, A. E. [Urgent and special aid for maxillary wounds] Stomatologia, Moskva, 1942, 5-16.—SCHMIDHUBER, V. Versorgung der Gesichts- und Kieferverletzungen. Med. Klin., Berl., 1940, 36: 1254 (Abstr.)—SEIFFERT, A. Die Beteiligung der Nase und deren Nebenhöhlen an den Verletzungen in dem Bereich des Mundes, der Kiefer und des Gesichtes. In Leitf. Chir. Orthop. Mund. (Lindemann, A.) Lpz., 1939, 281-312.—SÖDERBERG, N. B. The care and treatment of traumatic injuries of the face, mouth and jaws. Kansas City M. J., 1943, 19: 18-22.—Treatment of facio-maxillary injuries. Ulster M. J., 1941, 10: 102-4.—Treatment of maxillo-facial wounds. Brit. M. J., 1941, 2: 313.—[Urgent, special aid to maxillary-facial wounds] Sovet. med., 1940, 4: No. 17, 46.—VEST, G. Ueber die Behandlung von Unfallschäden des Gebisses mit Kronen- und Brückenprothesen bei Jugendlichen. Schweiz. Mscr. Zahnh., 1941, 51: 369-79, 8 pl.—WEINMANN, J., & KRONFELD, R. Traumatic injuries in the jaws of infants. J. Dent. Res., 1940, 19: 357-66.—WISEMAN, R. Restoration of maxillo-facial injury 300 years ago. Brit. Dent. J., 1940, 68: 190.—WOLF, H. Chirurgische Kieferorthopädie, Spätoperationen an verletzten Kiefern. Klin. Wschr., 1940, 19: 1318.

— Injury, gunshot.

ALTGENUG, R. *Ueber Kieferschussfracturen. 43p. 8°. Bonn, 1927.

ANGERSTEIN, H. *Wie und in welcher Höhe sind Kriegsdienstbeschädigte durch Kieferschussverletzungen versorgungsberechtigt? [Kiel] 70p. 8°. Hannover, 1932.

APFFELSTAEDT, M. Ueber die Behandlung von Kieferschussverletzungen unter Vermeidung extraintraoraler Verbände. 31p. 8°. Berl., 1923.

BURAU, H. *Erste feldärztliche Hilfe bei Kieferschüssen mit besonderer Berücksichtigung der Bluttransfusion [Kiel] 35p. 8°. Quakenbrück, 1933.

SEITZ, D. *Die zahnärztlich-orthopädische Erstbehandlung der Kieferschussverletzten. 36p. 24½cm. Lpz., 1936.

CATANIA, V. A proposito di due feriti d'arma da fuoco con lesioni multiple delle ossa mascellari. Stomatologia, Mod., 1933, 31: 179-200.—DOUBLEDAY, F. N. Cases of gunshot wounds of the jaws, treated 1914-18. Guy's Hosp. Gaz., Lond., 1940, 54: 358-60.—EVDOKIMOV, A. I. [Clinical characteristics of faciomaxillary gunshot wounds] Stomatologia, Moskva, 1942, 16-21.—FRY, W. K. Gunshot wounds of the jaws. Brit. Dent. J., 1940, 69: 88-92. Also Med. Press &

Circ., Lond., 1940, 203: 524-7. Also in *Mod. Treatm. Yearb.* (Wakeley, C. P. G.) Lond., 1941, 226-33.—**Ganzer, H.** Beiträge zur Behandlung der Kinn-Schussverletzungen (nach eigenen Erfahrungen) Deut. Zahn & c. Heilk., 1937, 4: 650-65. — Kieferschussverletzungen. Zschr. ärztl. Fortbild., 1939, 36: 641-6.—**Ginestet, G.** Vingt-quatre cas de fractures des maxillaires par balle. Rev. stomat., Par., 1927, 29: 393-420.—**Gratsiansky, V. P.** [Gunshot wounds of the maxillary arches and methods of roentgenological investigation] Stomatologia, Moskva, 1941, No. 4, 27-31.—**Hammer, H.** Die Behandlung der Kieferschussverletzungen. Ther. Gegenwart, 1941, 82: 100; passim.—**Hauenstein, K.** Zur Versorgung Kieferschussverletzter im Heimatlazarett. Deut. Zahnärztl. Wschr., 1940, 43: 599-602. — Praktische Beobachtungen und kritische Betrachtungen bei Behandlung Kieferschussverletzter. Ibid., 615-23. — Die Weiterversorgung Kieferschussverletzter im Lazarett. Klin. Wschr., 1940, 19: 510. — Also Münch. med. Wschr., 1940, 87: 465. — Die Schussverletzungen der Kiefer, ihre Behandlung und Prognose. Med. Welt, 1940, 14: 1189-93.—**Ivy, R. H.** First aid and emergency treatment of gunshot wounds of the jaws. Mil. Surgeon, 1941, 89: 197-201. Also Rev. san. mil., Habana, 1941, 5: 105-9; 1942, 41: 125-9. Also War. Med. Sympos., N. Y., 1942, 143-7.—**Kanekevich, M. I., & Zaslavsky, N. I.** [Characteristics of gun-shot wounds of the maxillo-facial region in relation to the wounding projectile] Ortop. travmat., 1940, 14: No. 4, 14-8.—**Khesina, A. R.** [Indications for extraction of teeth situated on the line of fracture in gunshot wounds of the maxillae] Stomatologia, Moskva, 1942, No. 3, 33-5.—**Kleeberg, R.** Spätfolgen und ihre Behandlung bei Kieferschussverletzungen sowie Spätergebnisse bei Kieferschussverletzten. Deut. Zahnärztl. Wschr., 1940, 43: 664-73.—**Köhler, J.** Schädigungen der Zähne bei Kieferschussverletzungen. Ibid., 809-11.—**Lehner, R.** Erfahrungen bei der Versorgung Kieferschussverletzter in vorderen Sanitätseinrichtungen. Bull. War M., Lond., 1942-43, 3: 146 (Abstr.).—**Lindenbaum, L. M.** [Clinical features and therapy of gunshot fractures of the jaws; data from the maxillo-facial service of an evacuation hospital] Vest. khir., 1941, 62: 34-8.—**Ogle, M. W.** Chemotherapy in gunshot wounds of the face, neck, and jaws. Mil. Surgeon, 1942, 90: 650-5.—**Pichler, H.** Kieferschussbrüche. Med. Klin., Berl., 1940, 36: 64. — Die Kieferschussbehandlung an der Wiener Klinik. Wien. klin. Wschr., 1940, 53: 22-4.—**Rolle, J.** Coup de feu de la joue droite avec paralysie du moteur oculaire externe gauche. Lyon méd., 1928, 143: 290.—**Rufanova, T. I.** [Treatment of salivary fistulas in gunshot wounds] Stomatologia, Moskva, 1942, 28-30.—**Russell, L. T.** Extraoral removal of a root displaced by a gunshot wound. Am. J. Orthodont., 1940, 26: 391-3.—**Stout, R. A.** Gunshot wounds of the face and jaws; first aid treatment, field service. Mil. Surgeon, 1940, 8: 247-50.—**Utrobin, I. M.** [Treatment of gun shot injuries of the face and jaws] Kazan. med. J., 1940, 36: No. 3, 20-7.—**Vándory, V.** Gesichts- und Kieferschussverletzung. Münch. med. Wschr., 1941, 88: 291 (Abstr.).

— Injury—in warfare.

See also subheadings (Fracture—in warfare; Loss of substance; Surgery)

BOETTIGER, R. A. Ficha buco-dental gráfica de historia clínica odontológico-estomatológica; gráfica de lesiones dento-maxilo-faciales para el ejército Mexicano. 41. [2] l. (mimeo.) fol. [Méx., 1936]

BRODTBECK, A. In deutschen Kriegslazaretten für Kieferverletzte. 27p. 8°. Frauenfeld, 1915.

GREAT BRITAIN. ARMY ADVISORY STANDING COMMITTEE ON MAXILLO-FACIAL INJURIES. Report to the Army Council. 25p. 8°. Lond., 1935.

OTTO, W. *Die Erfahrungen, welche der Weltkrieg auf dem Gebiete der Kieferverletzungen in Deutschland und Oesterreich brachte. 79p. 21cm. Freib. i. B., 1937.

Amies, A. Maxillo-facial experiences in the Middle East. Austral. J. Dent., 1942, 46: 197-202.—**Amutnova, N. V.** [Organization of alimentation of maxillofacial wounded in evacuation hospitals] Stomatologia, Moskva, 1942, No. 3, 45-9.—**Aufero, V.** Traumatizzati dei massellari in guerra. M'erna med., Tor., 1941, 32: pt 1, 283 (Abstr.).—**Axhausen, G.** Ueber die Versorgung der Gesichts-Kieferverletzungen des Krieges. Chirurg, 1939, 11: 801-7.—**Brown, P. W.** Characteristics of war wounds of the face and jaws. Dent. Bull., Carlisle, 1941, 12: 292-9.—**Calabrò, N.** Contributo alla terapia delle lesioni maxillo-facciali di guerra negli ospedali territoriali. Stomat. ital., 1940, 2: 297-302.—**Caute, E. H. C.** Injuries of the jaws and dietary treatment. J. R. Army M. Corps, 1940, 75: 289-94.—**Clewer, D.** Injuries to the jaws and face: an outline of treatment. J. R. Army M. Corps, 1927, 48: 286-95.—**Cole, P. P.** Plastic repair in war injuries to the jaw and face. Lancet, Lond., 1917, 1: 415-7. — War injuries of jaws and face. Postgrad. M. J., Lond., 1940, 16: 233-44, pl.—**Cupara, I.** [War time wounds of the face and jaws] Voj. san. glasnik, 1940, 11: 457-71.—**Dahl, G. M.** Erfahrungen bei der Behandlung von Kieferverletzungen

während des Russisch-Finnischen Krieges. Acta odont. scand., 1940, 2: 1-21, 4 pl. Also Nord. med., 1940, 8: 2719-28.—**Drury, G. B.** Discussion on maxillo-facial injuries. Brit. Dent. J., 1941, 71: 317.—**Fabrikant, M. B.** [Extent of medical aid in maxillary-facial wounds at the front and its results according to data from an evacuation hospital] Nov. khir. arkh., 1941, 49: 42-53.—**Fairbank, L. C.** Care of face and jaw casualties in the United States Army. War Med., Chic., 1942, 2: 223-9.—**Fickling, B. W.** The initial treatment of jaw injuries, with special reference to air-raid casualties. Med. Press & Circ., Lond., 1941, 206: 203-8. Also Mod. Treat. Yearb., Lond., 1942, 8: 281-91.—**Flohr, W.** Kieferchirurgischer Erfahrungsbericht aus dem Polenfeldzug 1939. Deut. Zahnärztl. Wschr., 1940, 43: 99-102. — German jaw injuries on the Polish front. Brit. Dent. J., 1940, 68: 424.—**Fox, C.** Maxillo-facial injuries. Mil. Surgeon, 1942, 90: 61-72.—**Ganzer, H.** Kriegsverletzungen der Kiefer. Deut. Militärarzt, 1940, 5: 419-26.—**Goldberg, L. S.** [Rôle of military sanitary trains in treatment of maxillofacial wounded] Stomatologia, Moskva, 1942, No. 3, 43.—**[Great Britain. War Office] Memorandum on the preliminary treatment of maxillo-facial wounds, 1941.** Bull. War M., Lond., 1941-42, 2: 103 (Abstr.).—**Hauberrisser, E.** Kriegsverletzungen und Naturheilbehandlungen. Deut. Zahnärztl. Wschr., 1941, 44: 153-8.—**Hayes, G. B.** War dental surgery; some cases of maxillo-facial injuries treated in the dental section of the American ambulance at Neuilly (Paris), France. Deut. Cosmos, 1916, 58: 249; 389; 511.—**Ivy, R. H.** Emergency treatment of war injuries of the face and jaws. Surgery, 1941, 10: 515. — Early and late treatment of the face and jaws as applied to war injuries. South. Surgeon, 1942, 11: 366-73. — **Curtis, L.** Definitive treatment of injuries of the maxillofacial region. Army Dent. Bull., 1942, 13: 159-73. Also Rev. san. mil., B. Air., 1942, 41: 638-50.—**Ivy, R. H., & Eby, J. D.** Physiotherapeutic treatment of maxillofacial injuries. In Med. Dep. U. S. Army in the World War, Wash., 1924, 11: pt 2, 550-4.—**Ivy, R. H., & Stout, R. A.** Emergency treatment of war injuries of the face and jaws. Ann. Surg., 1941, 113: 1001-9.—**James, W. W.** Maxillo-facial injuries in war. Brit. Dent. J., 1939, 67: 340; 787; 1940, 68: 45; 301.—**Kamenetsky, M. G.** [Treatment of maxillary-facial wounds at the front] Stomatologia, Moskva, 1941, No. 4, 22.—**Kilner, T. P.** Wounds of the face and jaws. In Surg. Modern Warf. (Bailey, H.) Edinb., 1940-41, 561-92. Also 2. ed., Balt., 1942, 1: 288-319.—**Kondukov, A. E.** [Characteristics of war injuries of the facial skeleton] Vest. otorinol., 1941, No. 5, 19-30.—**Lehner, R.** Tratamiento de las heridas del maxilar en las formaciones de adelante. Rev. san. mil., B. Air., 1942, 41: 542-9, pl.—**Lukomsky, I. G.** [Treatment of jaw and face wounds during war] Sovet. stomat., 1932, 10: 3.—**McGee, R. P.** Treatment of maxillo-facial wounds in zone of advance. Oral Hyg., Pittsb., 1922, 12: 845-51.—**Martinier, P.** Intervention combinée du chirurgien et du prothésiste aux différentes phases des traumatismes maxillo-faciaux. Odontologie, Par., 1917, 55: 115; 171; 213; 268.—**Maxillo-facial injuries; general principles of treatment.** Dent. Rec., Lond., 1940, 60: 119; 163; passim.—**Maxillo-facial wounds [War Office memorandum] Ibid., 1941, 61: 270-2.** — **Memorandum on the preliminary treatment of maxillo-facial wounds, 1941; issued by command of the Army Council.** Brit. Dent. J., 1941, 71: 190.—**Michelson, N. M.** [First aid in injuries of the jaws at the front] Sovet. khir., 1932, 3: 335-46.—**Münch.** Erfahrungen über die Behandlung von Kriegsverletzungen der Kiefer und des Gesichtes. Deut. Zahnärztl. Wschr., 1941, 44: 79-86.—**Paisley, J. C.** Stretcher head support in cases of smashed jaw. Brit. M. J., 1942, 1: 16.—**Palazzi, S.** Therapeutische Hilfe und Vorkehrungen bei Kiefer- und Gesichtsverletzungen im Felde. Deut. Zahnärztl. Wschr., 1940, 43: 359-61. Also Gior. med. mil., 1940, 88: 500-8, ch.—**Peyrus, J. J.** Les blessures de guerre de la face et des maxillaires. Rev. Serv. san. mil., Par., 1939, 111: 1017-30.—**Preliminary (The) treatment of maxillo-facial wounds.** Clin. J., Lond., 1941, 70: 265-7.—**Rohrer.** Grundsätzliches für die Versorgung der Kiefer-Gesichtsverletzten bis zur Aufnahme in ein Fachlazarett für Kieferverletzte. Med. Klin., Berl., 1940, 36: 577 (Abstr.).—**Rugg-Fasey, D. I.** Maxillo-facial injuries in Malta. Brit. Dent. J., 1943, 74: 37.—**Ruppe, L.** Notes d'un prisonnier sur le traitement d'urgence des blessés maxillo-faciaux dans l'armée allemande. Restauration maxillo-fac., Par., 1919, 3: 248-62.—**Schmidhuber, K. F.** Die Versorgung der Gesichts- und Kieferverletzungen. Deut. Militärarzt, 1940, 5: 418.—**Schmizier, P.** Die unmittelbare Versorgung der Gesichts- und Kieferverletzungen im Krieg. Helvet. med. acta, 1941, 8: 49-53.—**Scrivenor, E.** The problem of feeding in extensive maxillo-facial injuries. Austral. J. Dent., 1941, 45: 298-301.—**Shaw, J. J. M.** War injuries to face and jaw. In War & Doctor (Mackintosh, J. M.) 2. ed., Lond., 1940, 41-6.—**Vauthier, U., Jacquet [et al.]** Cours consacré au traitement des plaies de la face et des fractures des maxillaires, Genève, 6-11 octobre 1939. Schweiz. Mschr. Zahnh., 1940, 50: 553-71.—**Zeman, J.** Die Versorgung Kieferverletzter im Kriege. Zschr. Stomat., 1939, 37: 1169-73.

— Loss of substance.

See also subheadings (Injury; Surgery, plastic)
MÖLLENHOFF, A. [K.] *Beitrag zur Frage der Deckung der Kieferdefekte durch Verwendung

der Resektionsprothesen [Münster] 16p. 8°. Emsdetten, 1931.

ROY, M., & MORTINIER, P. La prothèse des maxillaires en chirurgie de guerre; procédés de technique appliqués au Comité de secours aux blessés des maxillaires et de la face de l'Ecole dentaire de Paris. 93p. 8°. Par., 1917.

Balestra, D. Importanza della protesi nei mutilati dei mascellari; contributo. Stomat. ital., 1940, 2: 508-20.—Brown, G. V. I. Surgical restoration of war-injured faces and jaws. Dent. Cosmos, 1920, 62: 206-15 [Discussion] 228-32.—Brusotti, A. Restaurazione protesica bucco-facciale in un caso di grave mutilazione chirurgica. Stomatologia, Mod., 1927, 25: 649-58.—Crignier, H. Appareil prothétique destiné à obstruer la plaie de la région sus-hyoïdienne. Gaz. odont., Par., 1881, 3: 125-7.—Graziani, M. Protese buco-maxillo-facciale; nariz e palato artificiali. Rev. brasil. otorinol., 1941, 9: 217-21.—Hofrath, H. Kieferchirurgie und -prothetik in ihrem Zusammenwirken bei umfangreichen Kieferdefekten. Klin. Wschr., 1936, 15: 251. — Aufgabe und Ziel der Kieferorthopädie und -prothetik bei der Deckung umfangreicher Kieferdefekte. Deut. Zahn & Heilk., 1936, 3: 369-87.—Lindemann, A. Die plastische Deckung der Lücken der Kieferknochen. Chirurg, 1928-29, 1: 817-29.—Stoppány, G. A. Persönliche Erinnerungen an Männer und Methoden auf dem Gebiete des Kieferersatzes. Zschr. Stomat., 1937, 35: 525-31.—Taylor, R. S. Prognosis in widespread destruction of the jaws and associated parts. Dent. Rec., Lond., 1939, 59: 291-303.—Watry, F. A propos d'assistance aux mutilés maxillaires. Atti Conf. interall. assist. inval. guerra, Roma, 1919, 3: 561-70.

Macro- and micrognathism.

See also subheading Prognathism.

ACKERMANN, W. Die Lagerung des unteren Weisheitszahnes bei abnormer Kleinheit des Kiefers speziell bei Mikrognathie. 37p. 8°. Würzb., 1925.

GERING, W. *Ueber die zahnärztlichen Massnahmen bei der Behandlung der Mikrogenie [München] 44p. 8°. Stuttg., 1932.

HEIMANN, K. *Ueber einen Fall von Mikrognathie mit Trichterbrust und Deformierung der Extremitäten. 20p. 8°. Marb., 1929.

HELLINGER [K.] M. *Beitrag zur Pathologie und Therapie der Mikrognathie [Leipzig] 92p. 8°. [Zeulenroda] 1928.

MOHR, G. *Ueber Mikrogenie mit einem kasuistischen Beitrag. 39p. 8°. Freib. i. B., 1935.

MOOSLEHNER, W. *Mikrogenie, Gesichtasymmetrie und deren Operationsmethoden [Berlin] 44p. 8°. Charlottenb., 1933.

WALDMANN, E. *Die angeborene Mikrogenie; an Hand von zwei Fällen aus dem Heinrich-Kinder-Hospital [Kiel] 24p. 8°. Neumünster, 1933.

Davis, A. D., & Dunn, R. Micrognathia; a suggested treatment for correction in early infancy. Am. J. Dis. Child., 1933, 45: 799-806.—Esser, J. F. S. Correction of bird's face. Am. J. Orthodont., 1938, 24: 791-4.—Hassmann, K. Zur Behandlung der Atemstörungen bei Mikrognathie des Säuglings. Kinderärztl. Prax., 1932, 3: 346.—Ibbotson, W. Two cases of familial enlargement of jaws. Tr. M. Soc. London, 1939, 62: 67-9.—Lapage, C. P. Micrognathia in the new born. Dent. Rec., Lond., 1937, 57: 135.—McCarter, W. A. Underdeveloped maxilla and overdeveloped mandible (case report) Internat. Orthodont. Congr. 1926, 1927, 1. Congr. 483.—Mahé, G. Histoire d'une résection bicondylienne pour macrognathie. Rev. stomat., Par., 1934, 36: 641-6.—Sudaka, R., & Schatzman. Un cas curieux de micrognathie unilatérale tardive. Rev. odont., Par., 1939, 61: 417-32.—Ullrich, G. Glossotoposis bei Mikrognathie. Deut. med. Wschr., 1935, 61: 1033-6.—Vos, J. J. T. [Peromelia and micrognathia] Ned. tsschr. geneesk., 1940, 84: 2598-600.

Myeloma.

Hoepfel, W. Röntgenologische und histologische Befunde an Kiefeln bei multiple Myelom. Deut. Zahn & Heilk., 1938, 5: 322-40.—Mensa, A. Ueber die odontogenen Tumoren der Kiefer; ein mandibuläres Lymphozytostom bei einem Pferde. Wien. tierärztl. Mschr., 1938, 25: 559-71.

Myxoma.

KONRAD, E. *Beitrag zum Vorkommen der Fibromyxome der Kiefer. 20p. 8°. Münch., 1931.

Necrosis.

HOTZ, R. *Zur Frage der Kiefernekrosen. 34p. 8°. Zür., 1932.

Also Schweiz. Mschr. Zahnk., 1932, 42: 25-57.

PILLIÈRE DE TANOUARN, P. *Ostéite diffuse nécrosante aiguë des maxillaires. 75p. 8°. Par., 1929.

RASSOW, J. [K. W.] *Ueber Kiefernekrosen an Hand eines besonderen Falles [Kiel] 36p. 8°. Flensburg, 1933.

BURRUANO, L. Ulcerazione fagedenica dell'intero tessuto gengivale e conseguente completa necrosi delle ossa mascellari. Riv. ital. stomat., 1937, 6: 146-51.—Ouw Eng Liang [Necrosis of the jaw] Genesck. tsschr. Ned. Indië, 1936, 76: 778-83.—Roy, M. Nécrose du maxillaire consécutive à un abcès alvéolaire à évolution normale. Odontologie, Par., 1929, 67: 65-70.—Wolff, H. Die Aegyptische Kiefernekrose. In Livre d'or (Th. Papayannou) Naumburg, 1932, 133-7.

Necrosis, phosphorus.

See also Phosphorus, Poisoning.

FLOTTMANN, W. *Ueber die Entstehung der Phosphorkiefernekrosen durch phosphorhaltige Düngemittel und ihre gewerbehygienische Bedeutung [Freiburg i. B.] 40p. 8°. Speyer, 1936.

LEWYEFF, J. *Ueber Kiefernekrosen unter besonderer Berücksichtigung der Phosphornekrose. 30p. 8°. Lpz., 1933.

Bérard & Dunet. A propos de 2 cas de nécrose phosphorée. Lyon chir., 1927, 24: 713-6.—Glaser, E. Bemerkungen zur Mitteilung: Folgekrankung der Kieferknochen nach Phosphornekrose von Dr. Viktor Verdross. Wien. med. Wschr., 1927, 77: 1550.—Livschitz, B. S. [Two cases of phosphorus necrosis of the jaws] Stomatologia, Moskva, 1938, No. 5, 34-7, pl.—Verdross, V. Folgekrankung der Kieferknochen nach Phosphor-Nekrose. Wien. med. Wschr., 1927, 77: 1169.—Ward, E. F. Phosphorus necrosis in the manufacture of fireworks. J. Indust. Hyg., 1928, 10: 314-30.—Wells, G. H. Report of a case of chronic phosphorus poisoning (phossy jaw) Med. Clin. N. America, 1926, 10: 95-105.

Necrosis, radiation.

GUÉRIN, J. *L'ostéothorionécrose tardive des maxillaires. 60p. 8°. Par., 1935.

KORENBLIT K., J. *Osteoradiation necrosis de los maxilares [Chile] 29p. 26cm. Santiago, 1939.

Bonnet-Roy, F. Ostéo-radium-nécrose tardive et régénérescence osseuse. Bull. m.d., Par., 1935, 49: 765-8.—Dechaume. Nécroses des maxillaires consécutives à la curiethérapie interne. Mém. Acad. chir., Par., 1936, 62: 1119-25.—Dechaume, M. Nécroses des maxillaires consécutives à la curiethérapie interne. Rev. stomat., Par., 1937, 39: 89-106.—Kanthak, F. F. X-ray irradiation and osteonecrosis of the jaws. J. Am. Dent. Ass., 1941, 28: 1925-9.—Lebourg, L. L'ostéothorion-nécrose tardive des maxillaires. Presse méd., 1936, 44: 417.—Ruppe, C., & Lebourg, L. A propos de 2 cas de nécrose des maxillaires survenue à la suite d'un traitement par le thorium X. Rev. stomat., Par., 1932, 4: 462.— & Guérin, J. L'ostéothorion-nécrose tardive des maxillaires. Ibid., 1935, 37: 456-65.—Vallebona, A. Infiltrazione neoplastica dei mascellari ed osteoradiation necrosis. Minerva med., Tor., 1928, 8: pt 2, 422-40.

Nerve supply.

Kido, S., & Kameda, K. Ueber die Ursprungsweise des N. mylohyoideus und die Anastomosensbildung zwischen dem N. alveolaris mandibularis und dem N. lingualis. Okajimas fol. anat., 1940, 19: 597-605.—Natur und Ausbreitungsgebiet der vom Zahnkiefersystem ausgehenden Schmerz- und Lähmungsreflexe. Schweiz. Mschr. Zahnk., 1941, 51: 924-7.

Nutritional aspect.

See also Deficiency disease; Osteomalacia; Rickets; Scurvy; Vitamin deficiency.

FREIDEL, A. Nutrition et système maxillo-dentaire. 111p. 8°. Lyon, 1934.

NICOLLE, H. *Les dystrophies maxillo-faciales en médecine générale. 87p. 8°. Par., 1927.

STEFFEN, N. *Untersuchungen über die allgemeine Zahngesundheit, die Kieferstärke und Zahnbogenform des Kindergebisses, unter besonderer Berücksichtigung der Ernährungsweise sowie der sozialen Schichtung der Bevölkerung Luxemburges. 34p. 8°. Bonn, 1935.

Gurley, J. E. A review of current literature on the subject of food and nutrition, and some thoughts on the growth and development of the jaws and teeth. *Pacific Dent. Gaz.*, 1922, 30: 424-39.—**Raimbault.** Les dystrophies dentomaxillaires chez l'enfant, leur influence sur l'état général et leur traitement. *Bull. méd., Par.*, 1938, 52: 287.—**Sprawson, E.** Diet in relation to the teeth and jaws. *Brit. Dent. J.*, 1938, 64: 245-55.—**Zilinskas, J.** [Nutrition and the masticating apparatus and its development] *Medicina, Kaunas*, 1938, 19: 473-86.

Occlusion.

See also **Tooth, Occlusion.**

BITTNER, M. *Die Lage der Okklusionschene im Schädel bei normalem Gebiss. 28p. 21cm. Bresl., 1936.

PENNSYLVANIA. UNIVERSITY. BICENTENNIAL CONFERENCE. Development of occlusion. 72p. 23cm. Phila., 1941.

SCHMELZ, K. *Eine Studie über die Breite der Zähne des Oberkiefers im Verhältnis zur Breite der Zähne des Unterkiefers bei optimaler Artikulation im bleibenden Gebiss. 19p. 8°. Frankf. a. M., 1932.

TÖNN, P. *Ueber die mesio-distalen Zahnbreiten-Relationen der Zähne des Oberkiefers zu den entsprechenden des Unterkiefers bei normaler und anormaler Okklusion [Berlin] 47p. 8°. Gütersloh, 1937.

BOOS, R. H. Centric and functional bite relations. *J. Am. Dent. Ass.*, 1943, 30: 262-6.—**Bowman, J. L.** Central and lateral markings in bite and jaw relation. *Dent. Digest*, 1939, 45: 335.—**Johnson, A. L.** The constitutional factor in skull form and dental occlusion. *Am. J. Orthodont.*, 1940, 26: 627-63.—**Khait, J. M.** [Can the anatomical position of teeth in the occludator give the effect of functional mastication?] *Stomatologia, Moskva*, 1938, No. 4, 99-101.

Occlusion: Malocclusion.

See also **Denture, Articulation and occlusion; Mastication; Tooth, Malocclusion.**

BARANOWSKI, K. *Histologische Betrachtungen an einem menschlichen Kiefer mit offenem Biss. 24p. 23cm. Berl., 1936.

BECKER, H. F. *Der offene Biss; seine Entstehung und seine Behandlung. 30p. 8°. Frankf. a. M., 1937.

BLEIFUSS, W. *Die Kiefer- und Zahnreihen-anomalien unter Berücksichtigung der sozialen Verhältnisse der Schulkinder Berlins. 23p. 8°. Greifswald, 1938.

DEHOFF, G. *Der Deckbiss [Heidelberg] 23p. 8°. Bottrop, 1936.

FRITZ, W. *Die Forschungsergebnisse über die Vererbung von Zahnstellungs- und Okklusionsanomalien mit einem Beitrag zur Zwillingsforschung [München] 23p. 22½cm, Würzb., 1937.

FRONMÜLLER, H. *Aetiologie des offenen Bisses. 48p. 8°. Erlangen, 1930.

GRETHE, W. *Die Hilfsmittel zur Behandlung des tiefen Bisses und ihre Wirkung [Göttingen] 27p. 8°. Hannov., 1933.

HEGGMANN, R. *Untersuchungen über vertikale und sagittale Abweichungen in den Kiefer-Gesichtsbeziehungen beim Deckbiss des Menschen mit besonderer Auswertung von Fern-Profil-Röntgenaufnahmen. 31p. 8°. Bonn, 1933.

HEYDER, O. *Die Bedeutung des Ueberbisses für die Aetiologie und Therapie der Parodontosen. 63p. 8°. [Lpz., 1930]

JUUL, K. A. *Kaudruck und Zerkleinerungsfähigkeit bei Kindern mit normaler und anormaler Occlusion. 39p. 8°. Bonn, 1932.

KÖBIG, T. *Ueber die Entstehung und Symptomatologie des Kreuzbisses. 36p. 8°. Bonn, 1932.

KRAUSPE, R. *Untersuchungen über die anatomischen Grundlagen des Deckbisses [Bonn] 41p. 8°. Bottrop, 1934.

KROCKOW, I. *Sozialbiologische Untersuchungen zur Frage der Entstehung von Biss- und Stellungsanomalien [Rostock] 26p. 8°. Lippstadt, 1932.

LANGHEINEKEN, H. *Untersuchungen über die Möglichkeiten der Ausheilung des Distalbisses mit mandibulärer Retrusion zur Erklärung der Erscheinung des Zwangsdistalbisses [München] 43p. 22½cm. Würzb., 1938.

MEIER, F. W. W. *Ueber den Vererbungsmodus des Deckbisses. 35p. 8°. Bonn, 1930.

PRADER, F. *Ueber das Vorkommen von Bündelknochen in einigen Fällen von Okklusionsanomalien [Basel] p.438-56. 8°. Berl., 1929. Also *Deut. Mschr. Zahnh.*, 1929, 47:

RONNEBURG, G. *Untersuchungen über den tiefen Biss und seine Variationen mit Hilfe der Simonschen Gnathostatmethode [Greifswald] 22p. 8°. Osnabrück, 1934.

SAMMARTINO, G. A. *Mordida baja y sobremordida [Dent.] 69p. 27cm. B. Air., 1938.

SEDLAG, H. *Beiträge zur Genese von Okklusionsanomalien. 31p. 8°. Bresl., 1929.

STOCK, A. *Untersuchungen über das Knochenwachstum und seine Beziehungen zur Orthodontie. 39p. 8°. Bonn, 1932.

THANNHÄUSER, E. *Zur Aetiologie und Therapie des offenen Bisses. 44p. 8°. Berl., 1935.

WAGNER, K. A. *Kann eine grosse Differenz der elterlichen Schädel-Längen-Breiten-Indices einen Distalbiss des Kindes bedingen? [Frankfurt] 29p. 8°. Wiesb., 1934.

YOUNG, M., JOHNSON, E. [et al.] Investigations into the nature and characteristic features of post-normal occlusion. 93p. 8°. Lond., 1937.

ZASKE, P. *Beitrag zur Frage der retrograden Bewegung der Kondylen beim Seitbiss, beim Rückbiss und beim Kieferschluss unter die normale Bissshöhe [Berlin] 35p. 24½cm. Münch., 1937.

Asbell, M. B. Malocclusion; result of use of chin strap in treatment of tuberculosis of the spine. *Am. J. Orthodont.*, 1939, 25: 1011-3.—**Bailey, E. E.** A method of diagnosing and treating cases requiring repositioning of the mandible and rebuilding of the occlusal surfaces of the teeth. *J. Am. Dent. Ass.*, 1937, 24: 33-50.—**Baume, L. J.** Das Problem des Distalbisses im Lichte biometrischer Untersuchungen. *Schweiz. Mschr. Zahnh.*, 1942, 52: 287 (Abstr.).—**Begg, P. R.** Studies on the aetiology of malocclusion of the teeth and concomitant jaw anomalies. *Austral. J. Dent.*, 1932, 36: 272.—**Bertram, C.** Base théorique de la méthode de traitement de l'infirmité, closed over-bite, et de la supragнатhie, open-bite. *Rev. odont.*, Par., 1939, 61: 480-500.—**Blair, V. P.** Instances of operative correction of mal-relation of the jaws. *Internat. J. Orthodont.*, 1915, 1: 395-421.—**Bocak, J.** Die Diagnose und Behandlung von Unterabteilungen der Klasse II (einseitig ausgebildeter Distalbiss) im Rahmen der Funktionskieferorthopädie. *Zschr. Stomat.*, 1938, 36: 510-21.—**Brückel, H.** Die Lückenöffnung in der Kieferorthopädie. *Deut. zahnärztl. Wschr.*, 1940, 43: 674-7.—**Caine, W. P.** A discussion of cases presenting an anterior position to the maxillary and mandibular arches. *Internat. J. Orthodont.*, 1929, 15: 104-9.—**Christensen, F. G.** Traumatogenic occlusion and its importance in periodontal pathology and treatment. *Brit. Dent. J.*, 1941, 71: 161-73.—**Cipparone, E.** Esistono o no deformazioni delle arcate dentali senza che la linea del profilo sia morfologicamente alterata? *Ann. Clin. odont.*, Roma, 1937, 14: 952-61.—**Crouch, S. S.** Some morphological changes in the jaw bones produced by orthodontic treatment. *Dominion Dent. J.*, Toronto, 1928, 40: 375-8.—**D'Alise, C.** Bread in the development of the human face and in the prophylaxis of malocclusion. *Dent. Rec.*, Lond., 1937, 57: 596-605.—**De Vecchis, B.** Osservazioni e ragionamenti preterapeutici nella protrazione dell'arcata superiore e nella retrazione di quella inferiore. *Stomat. ital.*, 1939, 1: 325-30.—**Duyzings, J. A. C.** [Orthodontic conceptions and problems in relation to the growth-process of the face and skull] *Tschr. tandheelk.*, 1939, 46: 886-93, 3 pl.—**Flesher, W. E.** To what definite causes may malocclusion and its attending oral and facial abnormalities be attributed? *Internat. J. Orthodont.*, 1932, 18: 1274-84.—**Foy, R., & Herpin, A.** Expansion physiologique des maxillaires et redressement. *C. rend. Congr. internat. méd.*, 1910, 16: Congr., Sect. 17. *Stomat.*, 187-9.—**French, F. A.** The newer view of posterior occlusion. *Dent. Surv.*, 1933, 9: 33-5.—**Frey, L., & Nevrezé, B. de.** Contribution à l'étude des mal-

positions maxillaires verticales. C. rend. Congr. dent. internat., 1909, 5. Congr., 2. Teil, 418-34.—Gatto, E. Modificazioni dei tessuti parodontali negli spostamenti dei denti in ortognatodentia e nei difetti di combaciamento. Ann. Clin. odont., Roma, 1937, 14: 243; 596, 631; 805. Età più idonea per correggere i difetti di posizione dei denti e di forma delle arcate mascellari. Stomatologia, Mod., 1937, 35: 404-13.—Gibbin, F. E. Macromaxillary and micromandibular development; case report. Am. Ass. Orthodont. (1939) 1940, 37: 125-31.—Glucksmann, D. D. Localized vertical growth disturbance. J. Am. Dent. Ass., 1942, 29: 184-7.—Hellman, M. Morphology of the face, jaws and dentition in class 3 malocclusion of the teeth. Ibid., 1931, 18: 2150-73.—Hendry, W. R. Causes, signs and simple treatment of malocclusion. J. Canad. Dent. Ass., 1939, 5: 398-400.—Howes, A. E. Altering the overbite; a model study of 2 adult cases. Am. J. Orthodont., 1942, 28: 173-8.—Johnson, A. L. The constitutional factor in skull form and dental occlusion. Dent. Rec., Lond., 1941, 61: 112-6.—Kazis, H. Planning and treatment for bite raising; bite revision, deep overbite. Dent. Items, 1941, 63: 684-99.—Keller, R. Le problème de l'occlusion traumatizante. Schweiz. Mschr. Zahn., 1939, 49: 349-61, 9 pl.—Kelly, E. J. Correction of an open-bite case complicated by an extreme narrowness of the maxillary arch. Internat. J. Orthodont., 1934, 20: 122-8.—Krockow & Winkler. Studio sociale e biologico sull'influenza della razza nella propagazione e nello formazione di anormale d'occlusione e di posizione. Riv. ital. stomat., 1934, 3: 48.—Kronfeld, R. Histologic analysis of the jaws of a child with malocclusion. Angle Orthodont., 1938, 8: 21-38.—Lewis, S. J., & Lehman, I. A. A quantitative study of the relation between certain factors in the development of the dental arch and the occlusion of the teeth. Internat. J. Orthodont., 1932, 18: 1015-37.—Lowry, R. A. Loss of intermaxillary distance; effect on aviators and relief by interdental splint. U. S. Nav. M. Bull., 1939, 37: 367-80.—Lubowitz, A. H. Practical gnathostatic diagnosis, case analysis and treatment of malocclusion. Dent. Items, 1940, 62: 1045-50.—Lundström, A. F. Some evidence concerning the nature of bimaxillary crowding. Dent. Rec., Lond., 1935, 55: 433-59.—McKeag, H. T. A. Traumatogenic occlusion. Brit. Dent. J., 1941, 71: 288.—Meyer, W. Unmittelbare Schädigung des Kieferknochens bei tiefem Biss (ein Beitrag zur Kenntnis der histologischen Vorgänge nach Befunden am Hund) Zschr. Stomat., 1927, 25: 1167-81.—Moore, G. R. To what definite causes may malocclusion and its attending oral and facial abnormalities be attributed? Internat. J. Orthodont., 1932, 18: 1265-73.—Mourgeon, A. A quel âge peut-on entreprendre le redressement des dents et la correction des mâchoires? J. méd. Paris, 1930, 50: 1123-5.—Müller, H. Anomalien der Zahnstellung, Kieferform und Okklusion beim Tier. Deut. Zahn & Heilk., 1934, 1: 159; 1935, 2: 129; 462.—Munblatt, A. M. Class 1 malocclusion complicated by a mandibular contraction, an impaction of the mandibular first premolar and a maxillary protrusion. Am. J. Orthodont., 1942, 28: 230-40.—Rahkin, S. Cranial structural variations and their association with dental conditions. J. Dent. Res., 1937, 16: 203-24.—Reininger, A. Ueber die Einwirkung der Form und Lageveränderung der Okklusionskurve auf Gelenk- und Schneidezahnführung im orthodontischen Artikulator beim Vorbiss. Deut. Zahn & Heilk., 1934, 1: 177-85.—Schray, K. Die Klärung der Kiefer-Gesichtsbeziehungen bei Bissanomalien. Ibid., 1935, 2: 472; 682; 1936, 3: 466.—Schwarz, A. M. Die Beziehungen der Kieferorthopädie zu den Parodontalerkrankungen. Schweiz. Mschr. Zahn., 1942, 52: 287 (Abstr.).—Siegmund, H. Die Beziehungen der Kieferorthopädie zu den Parodontalerkrankungen vom Standpunkt der Pathologie. Ibid., 288 (Abstr.).—Stammers, A. F. Traumatogenic occlusion. Brit. Dent. J., 1941, 71: 259.—Straussberg, G. Key to treatment in closed bite cases. Dent. Surv., 1941, 17: 27-33.—Sved, A. Growth of the jaws and the etiology of malocclusion. Internat. J. Orthodont., 1935, 21: 799, passim.—Tandler, J. The possibilities of research into the etiology of anomalies of the jaws and of malocclusion. Dent. Cosmos, 1914, 56: 435-8.—Tench, R. W. Dangers in dental reconstruction involving increase of the vertical dimension of the lower third of the human face. J. Am. Dent. Ass., 1938, 25: 566-70.—Tishler, B. Occlusal habit neuroses. Apollonian, Bost., 1937, 12: 100-6.—Turner, J. G. Some clinical observations in connection with the causation of deformities of the dental arches. Proc. R. Soc. M., Lond., 1932, 25: 1643.—Wallace, J. S. Observations on the progress of the elucidation of the mode of development of normal and abnormal jaws, and of the etiology of the irregularities and malocclusions of the teeth. Austral. J. Dent., 1932, 36: 446; 1933, 37: 5. Also Med. Press & Circ., Lond., 1932, 133: 517; 134: 7; 21.—Weinmann, J. Histologische Untersuchung eines Kiefers mit Stellungsanomalie der Zähne. Deut. Mschr. Zahn., 1927, 45: 589-96.—Zsigmondy, O. Die Kieferbaugrundlagen des anomalen Arcus dentium mit Rücksicht auf die Orthodontopädie. C. rend. Congr. internat. méd., 1909, 16. Congr., Sect. 17, Stomat., 77-96.

— Occlusion: Malocclusion, traumatic.

BEYKIRCH, P. *Orthodontische Behandlung nach Unfällen bei Kindern. 16p. 21cm. Heidelberg, 1938.

BREITFELD [M.] H. *Kieferanomalien und Gebisschädigungen durch traumatische Einflüsse und andere exogene Momente. 63p. 8° Lpz., 1937.

Dechaume. Dystrophies et malpositions dentaires et maxillaires d'origine traumatique. Rev. stomat., Par., 1935, 37: 87-102.—Sorrin, S. Common errors regarding traumatic occlusion. Dent. Outlook, N. Y., 1939, 26: 456-9.—Strong, L. V., jr. Reflex effects of traumatic occlusion. J. Am. Osteopath. Ass., 1942-43, 42: 415.

— Odontoma.

AMANN, E. *Ueber Odontome an Kiefern. 16p. 8° Münch., 1931.

SKOMLINSKI, H. *Odontome [Berlin] 24p. 8° Jena, 1932.

Aprile, H., & Caramés de Aprile, E. Tumores de los maxilares, de origen dentario; odontomas. Rev. med., B. Air., 1940, 2: 215; 303.—Fronteau. Un dentome corono-radicaire diffus; classification des tumeurs des maxillaires d'origine dentaire. Arch. méd. Angers, 1937, 41: 213-6.—Hörbst, L. Zur Frage des weichen Odontoms der Kieferknochen. Arch. Ohr. & Heilk., 1934, 138: 30-6.—Malone, L. A. Odontomas; case report. Radiology, 1940, 34: 573-6.—Seldin, H., & Woodman, J. B. Composite odontoma. N. York J. Dent., 1934, 4: 126.—Wright, A. J. A case of epithelial odontome (multilocular cyst) of the upper jaw. J. Lar. Otol., Lond., 1928, 43: 413, 2 pl.

— Orthopedics.

See also Dentistry, orthodontic; Dentition, Orthodontic aspect.

ANDRESEN, V., & HÄUPL, K. Funktions-Kieferorthopädie. 116p. 8° Lpz., 1936. Also 2. Aufl. 152p. 24cm. 1939.

BRUHN, C. Gesichtorthopädie. p.979-1064. 25½cm. Münch., 1939.

HOFFMANN, E. *Schäden bei und nach kieferorthopädischen Massnahmen [Leipzig] 54p. 8° Wilkau-Hasslau-S., 1935.

KITSCHENBERG, H. *Ueber die biologischen Gesetze, die bei kieferorthopädischen Massnahmen Berücksichtigung verlangen [Münster] 19p. 21cm. Quakenbrück, 1935.

LACHMANN, K. *Zur Kieferbehandlung. 23p. 23cm. Lpz., 1936.

MÜLLER [F.] H. *Zur Karies-Frage in der Kiefer-Orthopädie [Leipzig] 30p. 8° Halle, 1932.

PONROY, M., & PSAUME, M. Restauration et prothèse maxillo-faciales; fractures; pertes de substance; difformités. 502p. 8° Par., 1935.

Bichelmayer, A. Zur Späthandlung der Kieferanomalien. Schweiz. Mschr. Zahn., 1942, 52: 635 (Abstr.).—Bocak, J. [Orthopedics of the jaw in children] Liječ. vjes., 1940, 62: 323.—Braun, L. En masse movement to correct jaw relationships. Am. J. Orthodont., 1943, 29: 230-2.—Häupl, K. Ueber den jetzigen Stand der Funktions-Kieferorthopädie. Schweiz. Mschr. Zahn., 1940, 50: 677-707, 8 pl.—Ueber neue Richtungslinien in der Kieferorthopädie. Wien. klin. Wschr., 1941, 54: 131.—Hausser, E. Zahnarzt und Kieferorthopädie. Deut. Zahnärztl. Wschr., 1941, 44: 17-9.—Hillebrand, H. Wann soll der Unfallchirurg einen Kieferorthopäden zur Behandlung seiner Unfallkranken hinzuziehen? ein seltener Fall von posttraumatischer Gaumenfistel. Mschr. Unfallh., 1934, 41: 291-5.—Izard, G. The goniomandibular angle in dentofacial orthopedics. Internat. J. Orthodont., 1927, 13: 578-81.—Lifton, J. C. Applied orthodontics in orofacial prosthesis. Am. J. Orthodont., 1943, 29: 18-29.—Lindemann, A., & Hofrath, H. Aus gemeinsamer chirurgisch-orthopädischer Arbeit der Westdeutschen Kieferklinik. Deut. Zahn & Heilk., 1938, 5: 241-54.—McCoy, J. D. A contribution to the symposium on the treatment of dentofacial anomalies. Am. J. Orthodont., 1942, 28: 671-81.—Palazzi, S. Le cure ortopedico-funzionali mascellari e dentarie. Athena, Roma, 1940, 9: 247.—Schwarz, A. M. Aussprache über die Funktions-Kiefer-Orthopädie. Zschr. Stomat., Wien, 1938, 36: 1321-37.

— Orthopedics: Apparatus, materials and prosthesis.

HÄUSSLER, G. *Ueber die Beständigkeit der weissen Edelmetalllegierung Pedagan und des Nickelins bei Verwendung in der Kieferorthopädie [Leipzig] 51p. 22cm. Freib. i. B., 1936.

Lotz, E. *Sinn und Wirkung der kieferorthopädischen Apparaturen [Münster] 30p. 8°. Darmst., 1935.

Ascher, F. Aktive kieferorthopädische Plattenkonstruktionen mit elastischen Plattenrändern. Deut. Zahn & Heilk., 1939, 6: 476-81.—Bodine, R. L. Maxillofacial prosthesis. Internat. J. Orthodont., 1928, 14: 998; 1076; 1929, 15: 42; passim.—Chenet, H. La prothèse maxillo-faciale. Odontologie, Par., 1929, 67: 831-50.—Filderman, J. Les coiffes métalliques et les bridges en orthopédie maxillo-faciale. Rev. odont., Par., 1931, 53: 5-12.—Häupl, K., & Psansky, R. Histologische Untersuchungen über die Wirkungsweise der in der Funktions-Kiefer-Orthopädie verwendeten Apparate (Aktivatoren). Deut. Zahn & Heilk., 1938, 5: 214; 485; 641.—Hofrath, H. Die Anwendung des Gipsverbandes in der Kieferorthopädie. Zschr. Stomat., Wien, 1937, 35: 91-112.—Lévy, A. Appareillage maxillo-facial. Odontologie, Par., 1921, 59: 384-90.—Pickett, L. Jaw brace. U. S. Patent Off., 1937, No. Re. 20,389.—Pindexter, J. B. Tooth guard and jaw protector. Ibid., No. 2,192,558.—Preston, J. L. Jaw brace. Ibid., 1935, No. 1,992,904.—Spenadel, I. Tissue tension retractor devised for reduction of alveolar process in marked anterior protrusions of the mouth. Dent. Cosmos, 1925, 67: 503-7.

Orthopedics: Diagnostic methods.

Basle, R. S. Individual measurements of the face and jaws before and during orthodontic treatment. Internat. J. Orthodont., 1933, 19: 22-54.—Besombes, A. Précisions sur quelques points du diagnostic en orthopédie dento-faciale. Odontologie, Par., 1938, 76: 420-37.—Bimler, W. Eine orthodontische Auswertungsmethode für Kieferabgüsse (Photoplan). Deut. Zahn & Heilk., 1938, 5: 460-4.—Bocak, J. [Functional estimation in orthopedics of the jaw] Liječ. vjes., 1940, 62: 251-8.—Coster, L. de. Une nouvelle méthode d'analyse morphologique en orthopédie dento-faciale. Rev. stomat., Par., 1930, 32: 552-64. — A new method of analysis of dentofacial malformations. Internat. J. Orthodont., 1932, 18: 942. — Die Röntgenaufnahme des Handgelenks in der kieferorthopädischen Diagnostik. Ber. Deut. Ges. Zahn & Heilk. (1937) 1938, 74. Tag., 2. T., 9-19. Also Deut. Zahn & Heilk., 1937, 4: 683-93.—Hausser, E. Die Photographie in der Kieferorthopädie. Ber. Deut. Ges. Zahn & Heilk. (1937) 1938, 74. Tag., 2. T., 20-35. Also Deut. Zahn & Heilk., 1937, 4: 694-709.—Korkhaus, G. Die Auswertung des Fernröntgenbildes in der Kieferorthopädie. Ber. Deut. Ges. Zahn & Heilk. (1936) 1937, 73. Tag., 2. T., 7-21. Also Deut. Zahn & Heilk., 1936, 3: 715-29.—Scheidt, C. Vereinfachte Hilfsmittel für die kieferorthopädische Diagnostik. Ibid., 1939, 6: 467; 665.—Schwarz, R. Méthodes de céphalométrie dans leurs rapports avec la chirurgie des maxillaires et l'orthodontie. Odontologie, Par., 1928, 66: 395-412.—Simon, P. W. The simplified gnathostatic method. Internat. J. Orthodont., 1932, 18: 1081-87.—Solinas, N. M. La tecnica d'esame d'Izard applicata ad un caso di malposizione dentaria e di deformazione maxillo-faciale causate dalla precoce estrazione di un dente deciduo e dalla ritardata eruzione del permanente. Ann. Clin. odont., Roma, 1935, 12: 351-69.

Orthopedics: Methods.

See also subheading Surgery; also Dentistry, orthodontic.

Bauer, F. *Chirurgisch-orthodontische Massnahmen zur Beseitigung von Stellungsanomalien und ihre Bedeutung für die Bekämpfung des Rezidivs [Münster] 43p. 8°. Werne-Lippe, 1934.

Eicke, B. *Beitrag zur Kenntnis der die Bisslage bestimmenden Faktoren und ihrer Verwertung für die Aufstellung des kieferorthopädischen Behandlungsplanes [Dent.] 52p. 21cm. Zür., 1941.

Erbsse, H. [W. P.] *Die Indikation der Extraktion bei Zahnmissbildungen, Zahnstellungs- und Kieferanomalien. 32p. 8°. Münch., 1935.

Fluck, E. *Ueber die Anwendung der Extension in der Kieferorthopädie [Düsseldorf] 24p. 22½cm. Würzb., 1936.

Jahn, K. *Die Extraktion in der Kieferorthopädie [Leipzig] 28p. 8°. Oldenburg, 1931.

Klenk, H. *Die chirurgische Behandlung der Makrogenie, der Progenie und des offenen Bisses [Tübingen] 19p. 8°. Würzb., 1936.

Korkhaus, G. Biomechanische Gebiss- und Kieferorthopädie. p.140-742. 25½cm. Münch., 1939.

Tulasne, R. *Contribution à l'étude de la prothèse immédiate des maxillaires. 50p. 8°. Par., 1928.

Bocak, J. Grundsätzliche Bemerkungen zur Planlegung des therapeutischen Vorgehens in der Funktions-Kieferorthopädie. Deut. Zahn & Heilk., 1941, 8: 80; passim.—Edmand, P. A. Restoring lost vertical dimension. J. Am. Dent. Ass., 1938, 25: 849-60.—Erikson, B. E. Simultaneous distal movement of maxillary and mandibular buccal segments. Am. J. Orthodont., 1942, 28: 82-96.—Guichard, P. Contribution à l'étude des améliorations de l'état général chez l'enfant par le traitement orthopédique maxillo-dentaire. Loire méd., 1930, 44: 221-7, 6 pl.—Häupl, K. Ueber die Bisshebung bei Anwendung von in der Funktions-Kieferorthopädie gebrauchten Apparaten. Zschr. Stomat., 1937, 35: 73-81.—Hoffer, O. Dal metodo classico al sistema norvegese. Stomat. ital., 1939, 1: 865-8.—Hruska, A. Sulla funzionale ortopedia maxillare; sistema norvegese. Stomatologia, Mod., 1938, 36: 832-5.—Junemann, H. R. Consequences of shortening the intermaxillary distance. J. Am. Dent. Ass., 1941, 28: 1427-36.—Katz, A. J. [Author's methods of treatment in dento-maxillary-facial orthopedies (orthodontia)] Stomatologia, Moskva, 1939, 73-89.—Peirone, G. Considerazioni pratiche sul metodo ortopedico-maxillare di Andresen e Häupl. Stomat. ital., 1939, 1: 526-30.—Saraval, U. La terapia chirurgica in ortodonzia. Riv. ital. stomat., 1938, 7: 373-83.—Schnizer, E. von. Die Behandlungsdauer in der Kieferorthopädie. Deut. Zahnärztl. Wschr., 1941, 44: 185-7.—Steinhardt, G. Stellungnahme zu den Möglichkeiten und Auswirkungen kieferorthopädischer Massnahmen an jugendlichen Kiefern. Deut. Zahn & Heilk., 1939, 6: 456-67.—Walkhoff, O. Beiträge zur Theorie und Praxis der orthodontischen Massnahmen und deren Beziehungen zur Entwicklungsmechanik der Kiefer. Deut. Zahnh., 1927, H. 69, 1-52.

Osteitis.

See also subheadings (Abscess; Inflammation; Necrosis)

Bardonnet, H. *Traitement des ostéites des maxillaires [Lyon] 131p. 25½cm. Trévoux, 1939.

Litman, M. *Contribution à l'étude des ostéites des maxillaires; ostéites corticales [Paris] 34p. 8°. Versailles, 1931.

Arlotta, A. Sulle osteiti dei mascellari. Arch. chir. oris, Bologna, 1931-32, 1: 470-93. Also Riv. ital. stomat., 1932, 1: 774-7.—Berten, J. Ueber die Entstehungsweise der Kieferostitis nach Zahnextraktion. Deut. Zahnh., 1929, H. 74, 45-54.—Bor, H. A. Osteitis and periostitis of the mandible and maxilla. Tr. Far East. Ass. Trop. M., 1934, 9: pt 2, 965-71. Also Meded. dienst volksgez. Ned. Indië, 1935, 24: 146-50.—Bradlaw, R. A case of diffuse osteitis of maxilla and mandible for diagnosis. Brit. Dent. J., 1935, 58: 421-4.—Burrano, L. Considerazioni e ricerche sugli agenti patogeni più comuni delle osteo-periostiti mascellari con speciale riguardo alle varie forme anatomico-patologiche. Riv. ital. stomat., 1933, 2: 115-23.—Dechaume, M. Ostéites corticales des maxillaires. Rev. stomat., Par., 1931, 33: 402-20. — Ostéite hypertrophique localisée des maxillaires. Presse méd., 1934, 42: 1124-6. — Contribution à l'étude des ostéites d'origine dentaire; ostéites corticales des maxillaires. Rev. stomat., Par., 1935, 37: 792-808. — Traitement des ostéites des maxillaires d'origine dentaire par le bactériophage. Progr. méd., Par., 1936, 1449. — Considérations sur l'opportunité des examens sanguins et d'un traitement général dans les ostéites des maxillaires. Sang. Par., 1938, 12: 322-4. — & Duchêne. Traitement des ostéites des maxillaires par le bactériophage. Rev. stomat., Par., 1936, 38: 442-56.—Dechaume, Giraudeau & Rabinovitch. Traitement des ostéites des maxillaires par l'ozone. Ibid., 799-811.—De Vecchis, B. Le osteoperiostiti acute e croniche di origine dentaria. Rinasc. med., 1927, 4: 151.—Federspiel, M. N. Osteitis of the mandible and maxilla; etiologic factors, diagnosis and treatment of acute and chronic stages. J. Am. Dent. Ass., 1927, 14: 1698-702.—Hattay, D., & Claus, G. Seltener Fall einer durch Trauma bedingten hämatogenen Kieferostitis. Zschr. Stomat., 1934, 32: 866-75.—Hauerrisser, E. Die odontogenen Ostitiden. Ber. Deut. Ges. Zahn & Heilk. (1937) 1938, 74. Tag., 2. T., 223-37.—Kronfeld, R. Die diagnostische und pathologische Bedeutung ostitischer Herde im menschlichen Kiefer. Zschr. Stomat., 1937, 35: 177-83.—Maccaferri, G. Contributo clinico allo studio delle osteiti ematogene delle ossa mascellari. Atti Congr. internaz. stomat. (1935) 1936, 2. Congr., 1: 393-7. Also Riv. ital. stomat., 1936, 5: 285-302.—Maisto, O. A. Osteitis rarefaciente con espulsión de los dientes temporarios y germen de los dientes permanentes en una niña de 3 años y medio de edad. Rev. odont., B. Air., 1940, 28: 513-22.—Melchior, M. Verschiedene Formen dentaler Ostitis. Zschr. Stomat., 1930, 28: 1119-32.—Miner, L. M. S. Osteitis of mandible and maxilla. J. Am. Dent. Ass., 1927, 14: 1703-5.—Oxman, I. M. [On osteodystrophy of the maxillary bones] Stomatologia, Moskva, 1941, No. 2, 56-62.—Siegmund, H. Die odontogene Ostitis des Kieferknochens. Beitr. path. Anat., 1929, 83: 289-312.—Trauner, R. Ueber Todesfälle bei akutentzündlichen Er-

krankungen des Kieferknochens. Deut. Zahn & Heilk., 1939, 6: 631-4.—**Vaughan, H. S.** Osteitis of the maxilla and mandible; etiology, diagnosis and treatment of acute and chronic stages. J. Am. Dent. Ass., 1927, 14: 1694-7.

— Osteitis deformans [Paget]

IMRIE, D. A. *L'infection des dents et des os maxillaires (son interprétation radiographique et microscopique) avec un cas d'ostéite déformante. 24p. 8° Lausanne, 1927.

THOMALE, H. J. *Die Osteodystrophia fibrosa der Kiefer. 31p. 23½cm. Würzb., 1938.

Leist, M. Kieferstudien bei Osteodystrophia fibrosa mit besonderer Berücksichtigung der Pagetschen Krankheit. Zschr. Stomat., 1928, 26: 501-18.—**Rushton, M. A.** The dental tissues in osteitis deformans. Dent. Rec., Lond., 1938, 58: 611-8.

— Osteitis fibrosa [general and localized]

See also subheading Cyst; also **Parathyroidism**.

BIENTAS, H. G. K. *Ein Beitrag zur isolierten Ostitis fibrosa der Kiefer unter besonderer Berücksichtigung der Zahnerhaltung. 36p. 8° Bresl., 1934.

HERRMANN, E. *Ueber eine Ostitis fibrosa lokalisata des Unterkiefers bei einem 17 jährigen Mädchen. 27p. 8° Tüb., 1938.

KUHN, P. *Experimentelle Studien zur Frage der Ostitis fibrosa im Kiefergebiet [Tübingen] 24p. 8° Schramberg, 1934.

Cabanne, A. Osteitis crónica enquistada alveolar, osteitis neurálgica. Rev. odont., B. Air., 1942, 30: 643-5.—**Cunéo, B., & Ruppe, C.** Considérations sur l'ostéite fibreuse des maxillaires à propos d'un nouveau cas. Rev. stomat., Par., 1926, 28: 1-15.—**Duval & Lehmann.** Ostéite fibreuse généralisée aux 2 maxillaires. Ibid., 1930, 32: 673-7.—**Gullifer, W. H.** Osteitis fibrosa and associated lesions of the jaws. J. Am. Dent. Ass., 1938, 25: 253-60.—**Ibbotson, W.** Two cases of fibro-cystic disease of jaws. Tr. M. Soc. London, 1938, 61: 76.—**Jacob, M. H.** Fibro-osteoma, osteitis fibrosa localisata, clinically and radiographically resembling Ewing's tumor. Am. J. Orthodont., 1940, 26: 1002-5.—**Lenormant, C., & Ruppe, C.** Ostéopathies fibreuses des maxillaires. In Précis path. chir., 6. éd., Par., 1938, 2: 837-9.—**Spring, K.** Klinik und Diagnostik der Osteodystrophia fibrosa localisata der Kiefer. Deut. Zahnh., 1929, H. 75, 18-32.—**Thibault & Marie.** A propos d'un cas d'ostéite fibreuse des maxillaires. Rev. stomat., Par., 1935, 37: 519-26.—**Weber, M., & Becks, H.** Experimentelle Osteodystrophia fibrosa beim Hund mit Pseudotumor- und Cystenbildung am Kiefer. Virchows Arch., 1932, 283: 752-7.—**Weissblat, S. N.** [Localised fibrous ostitis of the jaws] Sovet. stomat., 1932, 10: 26. —**Ostitis (Osteodystrophia) fibrosa localisata der Kiefer.** Zschr. Stomat., 1933, 31: 139-59.

— Osteoma and osteofibroma.

ABRAHAM, E. *Ueber Osteome und Exostosen am Kiefer [Berlin] 20p. 8° Jena, 1932.

NAGEL, V. *Osteome der Kiefer. 27p. 8° Tüb., 1937.

Feldmann, G. L. Symmetrische Fibrome beziehungsweise Osteofibrome der Kiefer, ihre Pathogenese und Therapie. Deut. Mschr. Zahnh., 1928, 46: 635-41. Also Sovet. klin., 1933, 19: 441-6.—**Malignant osteoma.** J. Am. Vet. M. Ass., 1942, 100: 353.—**Montgomery, A. H.** Ossifying fibromas of the jaw. Arch. Surg., 1927, 15: 30-44.—**Phenister, D. B., & Grimson, K. S.** Fibrous osteoma of the jaws. Ann. Surg., 1937, 105: 564-83. Also Internat. J. Orthodont., 1937, 23: 912-31.

— Osteomyelitis.

See also subheadings (Fracture, pathological; Necrosis)

ALTMANN, W. *Osteomyelitis mandibulae und des Joehbogens. 18p. 8° Kiel, 1932.

BARTOLMÁS, G. *Beiträge zur Osteomyelitis der Kiefer an Hand von 37 Fällen aus der chirurgischen Universitätsklinik in Halle aus den Jahren 1923-34 [Halle-Wittenberg] 26p. 8° Bad Frankenhausen (Kyffh.) [1935]

BREHMER-KLAUS, K. *Beiträge zur Oberkieferosteomyelitis bei Säuglingen und Kleinkindern. 43p. 8° Bresl., 1934.

CASELLA, E. *Osteomielitis de los maxilares [Dent.] 99p. 27cm. B. Air., 1938.

DEIGENDESCH, K. *Ueber die Osteomyelitis der Kiefer. 27p. 20½cm. Münch., 1938.

DELLOCA, A. J. *Osteitis y osteomielitis infecciosas de los maxilares [Dent.] 74p. 27 cm. B. Air. [1939]

DOTTER-SCHWEINFURTH, E. *Ueber chronische Osteomyelitis der Kiefer [Kiel] 22p. 8° Würzb., 1936.

HARTARD, L. *Osteomyelitis der Kiefer. 16p. 8° Heidelb., 1934.

HERRENKNECHT, L. *Ueber die Kieferosteomyelitis [Heidelberg] 31p. 8° Mannheim, 1934.

KRAUSE [F.] P. *Ueber die akute infektiöse Osteomyelitis der Kiefer und ihre Folgen auf die Zähne. 21p. 8° Lpz., 1935.

MÜHLHAUS, W. *Welchen Einfluss haben die Zähne auf den Verlauf einer Kieferosteomyelitis? [München] 19p. 8° Furth i. Wald, 1931.

MÜLLER, H. *Ueber Osteomyelitis der Kiefer. 32p. 8° Tüb., 1936.

NOBEL, C. H. *Kasuistische Beiträge zur Osteomyelitis der Kiefer. 51p. 8° Würzb., 1934.

REINDL, M. *Ueber akute und chronische eitrige Osteomyelitis des Unter- und Oberkiefers [München] 33p. 21cm. Günzburg, 1938.

SCHEICK, O. *Ueber Kieferosteomyelitis unter Berücksichtigung einer eigenen Beobachtung [München] 15p. 8° Würzb., 1936.

SCHWELLENBACH, O. *Die Ursache, Behandlung und Verlauf der in der Mund-, Zahn-Kieferklinik in den letzten Jahren zur Beobachtung gekommenen Kiefer-Osteomyelitiden im Vergleich zu den Knochenerkrankungen des übrigen Körpers (Alter, Geschlecht, Beruf) 35p. 22½cm. Bonn, 1936.

SFERR, H. *Ueber die Kieferosteomyelitis [München] 22p. 21cm. Bottrop, 1938.

TENEFF, A. *Beitrag zur Kenntnis der acuten infektiösen Osteomyelitis am Ober- und Unterkiefer [Leipzig] 24p. 8° [Riesa a. d. Elbe] 1929.

TRAUNITZ, K. *Die akute und chronische Kiefer-Osteomyelitis. 72p. 8° Erlangen, 1929.

TRAUT, W. *Zur Kenntnis der akuten Kieferosteomyelitis unter besonderer Berücksichtigung der anatomischen Verhältnisse. 20p. 8° Münch. [1933]

WAGNER, G. *Ueber den Begriff der Kieferosteomyelitis. 30p. 8° Freib. i. B., 1934.

WERTHMANN, A. *Ueber Kieferosteomyelitis. 30p. 8° Würzb., 1932.

WUHRMANN, H. *Die Osteomyelitis der Kiefer. 74p. 8° Zür., 1932.

Also Schweiz. Mschr. Zahnh., 1932, 42:

Aison, E. L. Osteomyelitis of the jaws. J. Am. Dent. Ass., 1938, 25: 1261-77.—**Alonso, J. M., & Roglia, M.** La osteomielitis aguda de los maxilares. An. otorinol. Uruguay, 1936, 6: 111-61.—**Berger, A.** Variable pathological and clinical phases of osteomyelitis of the jaws. N. York J. Dent., 1935, 5: 193-5.—**Blair, V. P., Brown, J. B., & Moore, S.** Osteomyelitis of the jaws. J. Missouri M. Ass., 1930, 27: 173-6.—**Blum, T.** Clinical experiences with osteomyelitis of the jaws. Arch. Clin. Oral Path., 1937, 1: 156-67.—**Brizi, C.** Su alcuni casi di osteomielite dei mascellari. Ann. Clin. odont., Roma, 1938, 15: 666-72.—**Brown, J. B., & Tung, P. C.** Osteomyelitis of the jaws. South. Surgeon, 1935, 4: 12-26. Also Internat. J. Orthodont., 1936, 22: 69-80.—**Buskirk, R.** Osteomyelitis of jaw and septicemia in a four-year-old child. Kentucky M. J., 1938, 36: 60.—**Cadeneale, P., & Lasserre, C.** A propos de plusieurs cas d'ostéomyélite du maxillaire chez des nourrissons. Bordeaux chir., 1935, 6: 61.—**Calpe Hernández, J.** Osteomielitis neuralgiformes. Actas Congr. dent. españ. (1916) 1917, 8. Congr., 379-81.—**Carling, G. F., & Martin, M. D.** Osteomyelitis of the jaws. Bull. Guthrie Clin., 1933-34, 3: 133-5.—**Cashman, C. J.** Osteomyelitis of the jaws. Dent. Bull., Carlisle, 1940, 11: 147-56.—**David, A. D.** Osteomyelitis of the jaws. J. Am. Dent. Ass., 1929, 16: 1384-95.—**Del Duca, V.** A case of osteomyelitis of the jaw in a nursing. J. M. Soc. N. Jersey, 1933, 30: 625.—**Egger**

- von Blatten, P. Ueber hypertrophische, trockene Kieferosteomyelitis und Hyperostosen nicht entzündlicher Natur. Arch. klin. Chir., 1940, 199: 260-302. — Die trockene, hyperostotische Kieferosteomyelitis. Schweiz. med. Wschr., 1941, 71: 1498-502. — Elwell, K. R. Osteomyelitis in the jawbones. Mil. Surgeon, 1942, 91: 142-51. — Galli, P. Osteomyelitis acuta dei mascellari. Clin. pediat., Mod., 1926, 8: 604-18. pl. — Gerke, J., & Lepp, H. Klinisch-röntgenologische und patho-histologische Studien zum Krankheitsbild der Kieferosteomyelitis im Kleinkindalter. Deut. Zahn & Heilk., 1937, 4: 489; 617. — Hankey, G. T. Osteomyelitis, necrosis of the jaws; its pathology and treatment. Brit. Dent. J., 1938, 65: 549-61. — Hardgrove, T. A. Osteomyelitis. J. Am. Dent. Ass., 1930, 17: 1907-13. — Havens, F. Z. Osteomyelitis of the jaws. Ibid., 1934, 21: 1215-22. — Hesse, G. Ueber Kieferosteomyelitis. Zschr. Stomat., 1933, 31: 359; 434. — Jones, W. I. A clinical picture of osteomyelitis of the jaws. J. Am. Dent. Ass., 1940, 27: 1408-11. — Kamenetsky, M. G. [Osteomyelitis of the jaw in young children] Stomatologia, Moskva, 1938, No. 5, 29-33. — Kaplan, H. External resorption, osteomyelitis. In Atlas Dent. Path. (Bernier, J. L., et al.) 2. ed., Chic., 1942, 28, pl. — Kidd, J. D. A note on marginal osteomyelitis of the jaw. Lancet, Lond., 1930, 1: 1068. — Lasserre, C. Deux cas d'ostéomyélite des maxillaires chez le nourrisson. Bordeaux chir., 1932, 3: 512-6. — Lindner, E. Untersuchungen über die Aetiologie der Osteomyelitis der Kiefer an Hand von Krankengeschichten aus dem zahnärztlichen Institut und der chirurgischen Poliklinik München. Deut. Mschr. Zahnh., 1931, 49: 589-607. — Logsdon, C. M. Osteomyelitis of the jaw. Med. Bull. Veterans Admin., 1941-42, 18: 61-4. — Lynch, D. F. Osteomyelitis of the jaws. Am. J. Orthodont., 1940, 26: 584-96. — Marchand, L. L'ostéomyélite des maxillaires chez l'enfant. Progr. méd., Par., 1928, 43: 529-36. Also Rev. odont., Par., 1928, 49: 285-95. — Mikhailchenko, E. P. [Complications in osteomyelitis of the jaws] Stomatologia, Moskva, 1937, No. 3, 95-7. — Orlova, S. D., & Sukhovolskaia, R. P. [Regeneration of the red blood in cases of acute and chronic osteomyelitis of the jaw] Khirurgia, Moskva, 1938, No. 2, 52-60. — Padgett, E. C. Osteomyelitis of the jaws; an analysis of 59 cases. Tr. West. Surg. Ass (1939) 1940, 49: 288-306. Also Surgery, 1940, 8: 821-31. — Pflüger, H. Ueber das Schicksal der Keime der bleibenden Zähne bei der Kieferosteomyelitis im Kindesalter. Deut. Zahn & Heilk., 1937, 4: 517-27. — Poggiali, R. L'ostéomyélite acuta dei mascellari superiori e della mandibola nell'infanzia. Ann. ital. chir., 1936, 15: 193-206. — Proell, F. W. Die regenerativen Kräfte der Kieferknochen bei osteomyelitischen Erkrankungen. Ber. Deut. Ges. Zahn & Heilk. (1937) 1938, 74. Tag., 2. T., 88-104. — Puig, J. Cinq observations d'ostéomyélite aiguë des mâchoires. Rev. stomat., Par., 1927, 29: 465-9. — Read, T. T. Osteomyelitis of the jaws. Med. Press & Circ., Lond., 1941, 205: 29-33. — Round, H. Inflammation of the jaws and surrounding parts; a report on osteomyelitis and residual infection. Ber. Internat. Zahnärztekongr. (1936) 1937, 9. Kongr., 1: 131-86 [Discussion]. 2: 473-83. — Schaefer, J. E. Osteomyelitis of the jaws. J. Am. Dent. Ass., 1929, 16: 2188-216. — Schönbauer, F. Histologische Befunde bei Kieferosteomyelitis. Zschr. Stomat., 1937, 35: 820-7. — Schuhmann, H. H. The interrelationship of alveolar osteomyelitis with systemic disorders and a few words regarding treatment with autogenous vaccines. Dent. Rev., 1914, 28: 355-63. — Smith, R. O. L. Radiographic recognition of osteomyelitis. Dent. Cosmos, 1932, 74: 234-6. — Stetzer, J. J. Jr. Osteomyelitis of the mandible and maxillae. Mil. Surgeon, 1941, 89: 769-72. — Swift, L. V. Osteomyelitis of the jaws. J. Am. Dent. Ass., 1942, 29: 1590-600. — Thoma, K. H. Case of generalized osteomyelitis with interesting jaw involvement leading to formation of follicular cyst. Atti Congr. internaz. stomat. (1935) 1936, 2. Congr., 1: 447. — A case of generalized osteomyelitis with interesting jaw involvement leading to formation of paradental cyst. Internat. J. Orthodont., 1936, 22: 516-20. — Thompson, E. L. Acute osteomyelitis. Ibid., 1934, 20: 51-8. — Trinca, A. J. Osteomyelitis. Austral. J. Dent., 1937, 41: 266. — Vengerovsky, I. S. [Osteomyelitis of the jaws in children (especially the upper)] Vest. otorinol., 1938, 699-705. — Wanamaker, F. H. Acute osteomyelitis of the jaw and its complications. Eye Ear & Month., 1935-36, 14: 56-8. Also Physiother. Rev., 1937, 17: 10. — Wilensky, A. O. Osteomyelitis of the jaws in nurslings and infants. Ann. Surg., 1932, 95: 33-45. — The pathogenic relationship between dental infection and osteomyelitis of the jaws and the principles of treatment governing such combined lesions. J. Am. Dent. Ass., 1933, 20: 1572-90. — Woodward, D. E. Osteomyelitis of the jaw. Dent. Digest, 1935, 41: 256-60. — Woolsey, J. H. Osteomyelitis of the jaw. West. J. Surg., 1931, 39: 661-9. — Wustrow. Osteomyelitis im Bereiche der Kiefer. Med. Welt, 1932, 6: 1567; 1643.
- PUJALS, M. Un caso de osteomielitis debido al la anestesia in situ en un molar piorreico supurado. 7p. 26½cm. B. Air. [1940]
- SCHOENE, F. A. *Ueber Kieferosteomyelitis, besonders solche dentalen Ursprungs. 21p. 8°. Münster, 1929.
- SCHWEMBAUER, A. *Ein kasuistischer Beitrag zur Aetiologie der Osteomyelitis der Kiefer. 11p. 8°. Münch., 1927.
- STEINHAUER, F. *Osteomyelitis nach Silikat-zementfüllungen [Heidelberg] 14p. 8°. Bruchsal-Baden, 1935.
- WALTER, W. *Osteomyelitis der Kieferknochen als tatsächliche oder angebliche Folge von zahnärztlichen Eingriffen [München] 51p. 22cm. Würzb., 1937.
- Axhausen, G. Ergänzungsvortrag zum Thema: Die odontogenen Ostitiden; zur akuten Osteomyelitis der Kieferknochen. Ber. Deut. Ges. Zahn & Heilk. (1937) 1938, 74. Tag., 2. T., 237-40. — Balestra, D. Un caso non comune di osteomielite cronica dei mascellari ad etiologia oscura. Ann. Clin. odont., Roma, 1938, 15: 38-42. — Baranoff, A. F. The incidence of osteomyelitis of the jaw bones among the Chinese. China M. J., 1934, 48: 637-41. — Barnard, F. S. Osteomyelitis of the jaw following pregnancy. Pacific Coast J. Homeop., 1933, 44: 148-50. — Bauer, W. H. The importance of the histologic picture of osteomyelitis of the jaws following the extraction of teeth for treatment. Am. J. Orthodont., 1940, 26: 150-61. — Cavallaro, G. Osteomielite di origine dentaria. Stomatologia, Mod., 1927, 25: 118-26. — Dardyk, A. I. [Traumatic osteomyelitis of the jaws] Stomatologia, Moskva, 1939, No. 1, 51-7. — Daisenkov, M. F., & Kolodiet al., E. A. [Orsonic index in osteomyelitis of the jaws and oral intoxication]. Ibid., 1937, No. 2, 45-53. — Fridrichowsky, J. [Osteomyelitis of the jaw due to trauma] Bratisl. lek. listy, 1937, 17: 473-8, 8 pl. — Giardino, G. Un caso di grave osteomielite acuta del mascellare da traumatismi sportivi. Riv. chir. Nap., 1937, 3: 371-4. — Gu'kin, S. Z. [Study of microflora of odontogenous osteomyelitis of the jaws] Nov. khir. arkh., 1937, 40: 88-95. — Häupl, K. Beitrag zur Kenntnis der Kieferosteomyelitis. Acta rath. microb. scand., 1932, Suppl. 11, 150-4. — Hünenstein, K. Ueber die Osteomyelitis der Kiefer und ihr Zusammenhang mit dem Zahnsystem. Vjschr. Zahnh., 1928, 44: 353; 606. Also Internat. J. Orthodont., 1929, 15: 359-70. — Lepp, H. Zur Pathogenese der Kieferosteomyelitis im Säuglingsalter. Ber. Deut. Ges. Zahn & Heilk. (1937) 1938, 74. Tag., 2. T., 437-43. — Link, K. H. Zur Frage der Kieferosteomyelitis nach Zahnextraktion. Zbl. Chir., 1937, 64: 330-45. — Lyons, C. Metastatic osteomyelitis of the mandible and maxillae. Dent. Cosmos, 1933, 75: 105-16. — Monod, R. C. Evolution dentaire et ostéomyélite des mâchoires. Odontologie, Par., 1929, 67: 401-6. — Moral, H. Spezielle Pathologie der Mundhöhle. Fritsch. Zahnh., 1929, 5: 124-48. — Pavlov, V. I. [Odontogenous osteomyelitis of the jaws in ambulatory practice] Stomatologia, Moskva, 1938, No. 1, 26-32. — Schönbauer, F. Die Genese der Osteomyelitis des Kiefers. Wien. klin. Wschr., 1936, 49: 999-1001. — Strode, J. E. Osteomyelitis of the jaw especially as related to dental infections. Proc. Clin. Honolulu, 1936, 2. No. 9, 1-8. — Tréfou, Sinusites et ostéomyélites du maxillaire. Bull. Soc. belge od., 1905-06, 11: pt 2, 148-52. — Turner, J. H. Osteomyelitis of the maxilla and mandible in a newborn infant due to staphylococcus aureus; report of case. Arch. Pediat., N. Y., 1942, 59: 1-4. — Wilensky, A. O. The pathogenesis and treatment of acute osteomyelitis of the jaws in nurslings and infants. Am. J. Dis. Child., 1932, 43: 431-41.

Osteomyelitis: Treatment.

- HOFMANN, E. *Ueber die Bedeutung von Salvarsaninjektionen für die Behandlung von Osteomyelitiden im Bereiche der Kiefer. 63p. 8°. Würzb., 1936.
- SCHUEFLER, H. E. *Ueber die in der Literatur bekannt gewordenen Möglichkeiten zur Beeinflussung von osteomyelitischen Herden im Kiefer der apicalen Zone von Zähnen durch Röntgenbestrahlung. 24p. 8°. Würzb., 1935.
- YERSIN, H. *Zur Therapie der Kieferosteomyelitis. 68p. 8°. Berl., 1929.
- Axhausen, G. Ueber die Notwendigkeit zahnärztlicher Mitarbeit bei der Behandlung der akuten Kieferosteomyelitis. Deut. Zschr. Chir., 1936-37, 248: 523-32. — Blair, V. P., & Brown, J. B. Personal observations on the course and treatment of simple osteomyelitis of the jaws. Internat. J. Orthodont., 1926, 12: 52-68. — Chatellier, E. Essais de traitement extorhivatoire en stomatologie. Rev. stomat., Par., 1937, 39: 690-2. — Dingman, R. O. Treatment of osteomyelitis of the jaws. Am. J. Orthodont., 1939, 25: 568-73. — Djerassi, J. Die Osteomyelitis, ihr Auftreten und ihre Behandlung. Zschr. Stomat., 1935, 33: 458-61. — FitzGerald, L. M. The treatment
- Osteomyelitis: Etiology.
- ARNDT, W. *Die Osteomyelitis der Kiefer bei Kindern unter besonderer Berücksichtigung ihrer Aetiologie. 30p. 8°. Münster, 1933.
- Koch, H. *Kieferosteomyelitis mit sequestrierender Zahnkeimentzündung. 29p. 8°. Marb., 1933.

of acute osteomyelitis of the jaw. *Dent. Cosmos*, 1930, 72: 259-66.—**Lando, R. L.** [Autohemotherapy in osteomyelitis of the jaws] *Stomatologia*, Moskva, 1938, No. 3, 41-7.—**Mead, S. V.** Diagnosis and treatment of acute and chronic osteomyelitis of the mandible and maxilla. *Internat. J. Orthodont.*, 1928, 14: 321-40. Also *J. Am. Dent. Ass.*, 1928, 15: 2272-86.—**Molt, F. F.** The treatment of acute osteomyelitis of the jaws. *Ibid.*, 1927, 14: 1476-9. — Causes and treatment of osteomyelitis of the jaws. *Illinois Dent. J.*, 1940, 9: 358-63.—**New, G. B.** Osteomyelitis of the jaw. *Surg. Clin. N. America*, 1930, 10: 96-8.—**Perrone, V.** Toluensulfonchloramide nelle osteomieliti dei mascellari. *Stomat. ital.*, 1939, 1: 468-72.—**Sukhovolskaia, R. P.** [Treatment of osteomyelitis of maxillary-facial bones with sodium fluoride] *Stomatologia*, Moskva, 1941, No. 4, 23-7.—**Suslova, E. A.** [Diathermotherapy in osteomyelitis of the jaws] *Ibid.*, 1938, No. 3, 81-4.—**Weisblatt, S. N.** [Treatment of acute osteomyelitis of the jaws] *Ibid.*, No. 6, 52-61.—**Wilensky, A. O.** Osteomyelitis of the jaws. *Arch. Surg.*, 1932, 25: 183-237.

— Osteosclerosis.

Bauer, W. H., & Main, L. R. Osteosclerosis of jaws. *J. Dent. Res.*, 1941, 20: 399-409.—**Riha, F. G.** Ueber Osteosklerose der Kiefer. *Zschr. Stomat.*, 1926, 24: 1076-83.

— Periostritis.

AHRENS, C. [J. A. F.] *Die Periostitis der Kiefer in ihrer Beziehung zum Zahnsystem und ihre Therapie [Leipzig] 37p. 8° Halle (Saale) 1933.

Frankl, Z. Die von den Zähnen ausgehenden akuten, eitrigen Periostiden. *Zschr. Stomat.*, 1937, 35: 1039-49.—**Pistiner, B.** Akute eitrige Periostitis oder akute Osteomyelitis? *Ibid.*, 1929, 27: 405.—**Róna, A.** [Roentgen therapy of odontogenic periostitis and phlegmon] *Magy. röntg. közl.*, 1932, 6: 145-53.—**Siegmund, H.** Radicular periostitis in its relation to the jaw-bone. *Internat. Clin.*, 1928, 38, ser., 2: 30-45.—**Weski, O.** Interrelation of root-periostitis and bone in the light of röntgenologic and microscopical investigations. *Ibid.*, 46-50, 51 l.

— Prognathism.

See also subheadings (Deformity; Macro- and micrognathism; Occlusion) also **Mandibula; Maxilla**; also in 3. ser. **Prognathism**.

ASMANOFF, I. M. *Entstehung und Diagnose der Prognathie. 32p. 8° [Lpz.] 1931.

BLUME, H. *Die Protrusionen der oberen Front bei normalen mesiodistalen Kieferbeziehung (ihr Bild und ihre Behandlung) 30p. 8° Münch., 1934.

ENGELHARDT, L. *Das Vorkommen von Progenie und Prognathie bei Geisteskranken und Schwachsinnigen [Erlangen] 28p. 8° Eisefeld-Thür., 1937.

FISCHER, H. F. *Ueber die Vererbung der Prognathie im orthodontischen Sinn (mit einer Untersuchung von 445 Schulknaben) [München] 24p. 8° Würzb., 1934.

GÖPPEL, M. *Ueber die Vererbung der Prognathie (Angle II) 34p. 8° Münch., 1934.

KLUSSMANN, W. *Ueber das Wesen der Prognathie; ihre Entstehung und Behandlung [Leipzig] 50p. 8° [Zeulenroda] 1929.

LINDEN, I. VON DER. *Rasstypen und Prognathismus; eine Untersuchung an Schädeln der Völkerwanderungszeit [München] 16p. 8° Lengerich, 1937.

MAYR, F. W. *Die Kretschmerschen Konstitutionstypen und ihre Beziehungen zu Prognathie. 27p. 8° Münch., 1935.

PAZ, E. *Prognatismo y su cirugía. 29p. 26½cm. B. Air., 1940.

REICHENBERGER, G. *Actiologie und Diagnose der Pseudoprognathie. 24p. 8° Erlangen, 1934.

SCHÖNER, K. *Zur Frage der Therapie von Prognathiefällen durch frühzeitige Extraktion der oberen Sechsjahrmolaren. 19p. 8° Lpz., 1933.

STAMMER, H. *Ueber das Vorkommen der Progenie und Prognathie bei Schulkindern und ihre Entstehung. 19p. 8° Kiel, 1934.

Aller, T. G. La cura chirurgica del prognatismo. *Ann. Clin. odont.*, Roma, 1932, 9: 1147-9.—**Ass, M. S.** [Classification of prognathism] *Sovet. stomat.*, 1931, 9: 33-6.—[Limberg's operation in 2 cases of prognathism] *Sovet. khir.*, 1932, 3: 251-5.—**Bichlmayr, A.** Die chirurgische Therapie der Prognathie und einiger anderer Oculationsanomalien. *Atti Congr. internaz. stomat.* (1935) 1936, 2. Congr., 1: 458-70.—**Bourguet, J.** Traitement chirurgical du prognathisme; résection bicondylienne; méthode de Jaboulay; section de la branche montante du maxillaire inférieur; méthode de Lanc avec présentation d'opéré. *Rev. stomat., Par.*, 1933, 35: 61 79; 96-102.

— Nouvelles remarques sur la résection bicondylienne et sur la section de la branche montante du maxillaire inférieur dans le traitement chirurgical du prognathisme. *Ibid.*, 1935, 37: 152-69. — Parallèle entre la résection bicondylienne et la section de la branche montante du maxillaire inférieur dans le prognathisme. *Atti Congr. internaz. stomat.* (1935) 1936, 2. Congr., 1: 455-7.—**Dufournet, L.** Le traitement chirurgical du prognathisme par la résection orthopédique des condyles. *Bull. Soc. chir. Paris*, 1929, 21: 424-31. Also *Rev. stomat., Par.*, 1930, 32: 519-27. Also *Schweiz. Mschr. Zahnh.*, 1930, 40: 673-81.

— Traitement chirurgical du prognathisme par la résection du condyle. *Odontologie, Par.*, 1932, 70: 435.—**Florestán Aguilar, D.** Origen castellano del prognatismo en las dinastías que reinaron en Europa. *Siglo méd.*, 1933, 91: 614; 642.—**Foged, J.** [Bruhn-Lindemann's operative treatment of prognathism with bilateral osteotomy of the ramus mandibuli] *Hospitalstidende*, 1938, 81: [Dansk kir. selsk. forh.] 18. — [Operative treatment of prognathism] *Ibid.*, suppl., 55-83.—**Giardino, G.** Contributo alla correzione del morde apertus e del prognatismo mascellare. *Riv. ital. stomat.*, 1937, 6: 549-54.—**Ginestet, G.** Traitement chirurgical du morde apertus et du prognathisme. *Rev. stomat., Par.*, 1939, 41: 4-17.—**Grafi, E.** Studi e ricerche sul prognatismo. *Riv. antrop.*, 1928-29, 28: 123-63.—**Guerini, V.** Correzione di un caso di prognatismo alveolo-dentario. *Ann. Clin. odont.*, Roma, 1938, 15: 598-602.—**Guliyeva, A. I.** [Treatment of prognathism] *Stomatologia*, Moskva, 1941, 75-7.—**Harsha, W. M.** Bilateral resection of the jaw for prognathism; report of a case. *Surg. Gyn. Obst.*, 1912, 15: 51-3 [Discussion] 130-2.—**Hook, F. R., & Taylor, R. W.** The surgical treatment of prognathism; case report. *U. S. Nav. M. Bull.*, 1942, 40: 157, 3 pl.—**Ivanishevich, O., & Garay, P. M.** Tratamiento quirúrgico del prognatismo. *Bol. Acad. argent. cir.*, 1941, 25: 554-9. Also *Bol. Inst. clín. quir.*, B. Air., 1941, 17: 387-92.—**Landro, R. L.** [Most important moments in surgical treatment of prognathism] *Sovet. stomat.*, 1933, 2: 33-55.—**Maurel, G., Goupil, & Neuenschwander.** Correction chirurgico-orthopédique du prognathisme congénital et du faux prognathisme traumatique. *Rev. chir. struct., Brux.*, 1937, 7: 5-24. Also *Rev. odont., Par.*, 1937, 58: 247-78.—**Newman, J.** Repair of prognathic and retruded jaws. *Am. J. Surg.*, 1942, 58: 35-9.—**Oppenheim, A.** Prognathism from the anthropological and orthodontic viewpoints. *Dent. Cosmos*, 1928, 70: 1092, 1100; 1170.

— Prognathism from the anthropological and orthodontic viewpoints; Negro skulls. *Ibid.*, 1930, 72: 645; 736. — Die Prognathie vom anthropologischen und orthodontischen Gesichtspunkt; Rasseschädel. *Zschr. Stomat.*, 1930, 28: 313-39.—**Parsons, F. G.** Alveolar and facial prognathism. *J. Anat., Lond.*, 1930-31, 65: 149-51.—**Pettit, J. A.** The surgical correction of prognathism. *J. Am. Dent. Ass.*, 1937, 24: 1837-42. — & **Walrath, C. H.** A new surgical procedure for correction of prognathism. *J. Am. M. Ass.*, 1932, 99: 1917-9. — Prognathism and its surgical correction by a new procedure. *J. Am. Dent. Ass.*, 1934, 21: 125-9.—**Peyrus, J.** Un cas de prognathisme avec obtusisme mandibulaire traité par résection cunéiforme des 2 angles maxillaires. *Lyon chir.*, 1939, 36: 90.—**Pittard, E.** Recherches anthropologiques sur le crâne savoyard (Haute-Savoie et Savoie) (avec quelques détails au sujet du prognathisme) *Rev. anthrop., Par.*, 1937, 47: 261-91.—**Rivet, T.** Recherches sur le prognathisme. *Anthropologie, Par.*, 1909, 20: 35-49; 175.—**Rubrecht, O.** Charles le Téméraire était-il prognathe? un portrait de ce due sur un Memline authentique. *Belgique méd.*, 1909, 16: 3-5; 15.—**Schmuziger, P.** Mitteilung über die operative Behandlung von Progenie und Prognathiefällen. *Helvet. med. acta*, 1936, 3: 834-9.—**Schultz, L.** Bilateral resection of the mandible for prognathism. *Surg. Gyn. Obst.*, 1927, 45: 379-84.—**Sergi, G.** Intorno al così detto prognatismo e il metodo di determinarlo. *Riv. antrop.*, 1928-29, 28: 271-9.—**Sutcliffe, H. W.** Correction of a case of prognathism by the retraction of the mandible and lower teeth. *Tr. Internat. Dent. Congr.*, 1914, 6. Congr., 719.—**Todd, T. W.** Prognathism: a study in development of the face. *J. Am. Dent. Ass.*, 1932, 19: 2172-84.

— Radiology.

See also **Face**, Radiology.

GOLDHAMER, K. Röntgenologie des praktischen Zahnarztes. 1. T.: Aufnahmetechnik und Röntgenanatomie der Zähne und Kiefer. 149p. 8° Wien, 1937.

HOFRATH, H. Die Röntgenographie im Dienste der Gebiss- und Kieferorthopädie. p.1065-145. 25½cm. Münch., 1939.

MULFINGER, E. *Das Schrifttum über Kontrastdarstellung in der Zahnheilkunde [München] 20p. 21cm. Kallmünz, 1938.

Bercher. Note sur le lipio-diagnostic des affections maxillaires. Rev. stomat., Par., 1927, 29: 328-32.—Bertrand, P. Méthodes d'examen radiologique des maxillaires. Odontologie, Par., 1933, 71: 380-6.—Cieszyński, A. Extraoral method of stomatological roentgenography; a new method of stereoröntgenography of the jaws and teeth. Med. J. & Rec., 1926, 123: 661-6.—Culty, R. De la radiographie des maxillaires. Bull. Soc. radiol. méd. France, 1935, 23: 37-9.—De la Tour, H. Contribution à l'étude de la radiographie maxillo-faciale. Rev. odont., Par., 1928, 49: 547-53, 4 pl.—Fuchs, A. W. Radiography of the jaws. Radiogr. Clin. Photogr., 1932, 8: No. 6, 2; 1933, 9: No. 1, 2.—Gordon, E. Extra-oral X-ray technic; getting uniformly good lateral jaw views. Dent. Surv., 1940, 16: 893-6.—Kneucker, A. W., jr. Die Technik der Kieferröntgenologie in der Kinderpraxis. Zschr. Stomat., 1933, 31: 493-7.—Loos, O. Die Röntgenuntersuchung der Kiefer und Zähne. In Lehmanns med. Atl., Münch., 5. Aufl., Bd. 7, 1934-38, 205-19.—McGrail, F. R., & Doherty, J. A. Roentgenograms of the mandibular condyle and zygomatic arch. Am. J. Roentg., 1941, 45: 637-9.—Schindler, J. A. Opazitäten im Röntgenbilde als Ausdruck von Verdichtungen im Knochen der Kiefer. Schweiz. Mschr. Zahnh., 1938, 48: 1209-16, 4 pl.—Sweet, A. P. S. A statistical analysis of the incidence of nutrient channels and foramina in 500 periapical full-mouth radiologic examinations. Am. J. Orthodont., 1942, 28: 427-42.—Vasiliev, G. A., & Strokov, F. J. [Clinical-roentgenological characteristics of tuberculous and syphilitic diseases of the jaw] Stomatologia, Moskva, 1941, 37-48.—Weski, O. Estudios radiográficos anatómicos de patologia del maxilar. Rev. odont., B. Air., 1940, 28: 702; 1941, 29: 22; 81; 161.—Worth, H. M. Radiological findings in some less common jaw affections. Dent. Rec., Lond., 1939, 59: 439-54.—Zuppinger, A. Kiefer und Zähne. In Lehrb. Röntgendiag. (H. R. Schinz, et al.) Lpz., 4. Aufl., Bd 1, 1939, 831-54.

— Sarcoma.

See also subheading Cancer.

BOEGER, F. *Beiträge zur Strahlenbehandlung der Sarkome des Ober- und Unterkiefers [München] 36p. 8°. Würzb., 1938.

DUCLoux, A. L. M. A. *Les sarcomes des maxillaires. 95p. 24cm. Lille, 1937.

NIMIGAN, S. [F.] *Ueber sarkomähnliche Tumoren und Cysten der Kiefer. 43p. 23cm. Greifswald, 1938.

SCHIEBE, M. *Ober- und Unterkiefer-Sarkome [Kiel] 20p. 8°. Ribnitz, 1931.

Luque, M. J. Un caso de sarcoma marfilino osteogénico, de crecimiento lento. Colombia méd., 1939, 1: 166-8.—Sharp, G. S. The diagnosis and treatment of osteogenic sarcoma of the jaws. West. J. Surg., 1933, 41: 399-406.—Simeoni, V. Contributo clinico allo studio dei sarcomi dei mascellari. Ann. ital. chir., 1929, 8: 1225-42.—Worth, H. M. Radiological findings in some less common jaw affections. Proc. R. Soc. M., Lond., 1938-39, 32: Sect. Odont., 331-43.

— Surgery.

See also subheading Orthopedics; also Dentistry; Face, Surgery; Stomatology.

BICHLMAYR, A. Das Wichtigste aus der Zahn-, Mund- und Kieferheilkunde für den Militärarzt und die Allgemeinpraxis. 122p. 19½cm. Münch. [1938]

BRUHN, C. Chirurgische Kieferorthopädie. p.823-978. 25½cm. Münch., 1939.

HAYES, G. B. Maxillo-facial surgery cases, 1914-17. 343 l. 4° Par., 1918.

MAUREL, G. Chirurgie maxillo-faciale. 867p. 8° Par., 1931.

SCHLICKMANN, W. Die sozial-hygienische Bedeutung der Kieferkliniken [Münster] 23p. 21cm. Bochum-Langendr., 1935.

SONNTAG, E., & ROSENTHAL, W. Lehrbuch der Mund- und Kieferchirurgie. 444p. 8° Lpz., 1930.

SQUIRRO, C. M. Lecciones de cirugía maxillo-facial, 1940-1941. v. p. 25cm. B. Air. [1941]

STEINLE, A. *Trigeminusneuralgie im Anschluss an operative Kieferbehandlung. 52p. 8° Münch., 1933.

UNITED STATES. NATIONAL RESEARCH COUNCIL. DIVISION OF MEDICAL SCIENCES. SUBCOMMITTEE ON PLASTIC AND MAXILLOFACIAL

SURGERY. Manual of standard practice of plastic and maxillofacial surgery. 432p. 24cm. Phila., 1942.

WUNNER, O. *Ueber Kieferchirurgie im Papyrus Edwin Smith [Kiel] 15p. 8°. Quakenbrück, 1934.

Appel en faveur du Foyer des Gueules Cassées. Rev. odont., Par., 1926, 47: 306-16.—Blair, V. P. The maxillofacial service of the American Army in the war. Dent. Reg., 1919, 73: 352-60. Also J. Am. M. Ass., 1919, 73: 325-7.—Brosch, F. Ein vereinfachtes Verfahren zur Herstellung kieferchirurgischer Operationsmodelle. Zschr. Stomat., 1939, 37: 441-5.—Butoianu, S., & Stoian, C. [Study of maxillo-facial surgery] Rev. san. mil., Bucur., 1929, 28: 344-55.—Carr, M. W. Significant developments that have contributed to the advancement of oral and maxillo-facial surgery. Ann. Dent., 1938, 5: 206-12.—East Grinstead maxillo-facial centre. Brit. Dent. J., 1940, 69: 322-4.—Entin, D. A. [Maxillofacial war surgery; book review] Stomatologia, Moskva, 1942, No. 3, 51.—Erit, J. [Contemporary development of surgery of the jaws] Orv. hetil., 1926, 70: 479; 509.—Fehmi, N. [Maxillary surgery] Askeri shihye mecmuasi, 1933, 62: 43-8.—Fish, E. W. Some aspects of jaw surgery. Brit. Dent. J., 1941, 70: 253-64.—Foged, J. [Cases of surgery of the jaw] Ugeskr. laeger, 1938, 100: 1015-8.—Forgue. Sur quelques points de la chirurgie maxillo-faciale. Montpellier méd., 1917, 39: 563-9.—Frey, L. Une visite dans un centre maxillo-facial de l'Armée. Restauration maxillo-fac., Par., 1918, 2: 337-41.—Grandi, E. I. corso di ortopedia chirurgica della Westdeutsche Kieferklinik di Düsseldorf. Riv. ital. stomat., 1938, 7: 649-60.—Ivy, R. H. The jaws. In Textb. Surg. (Christopher, F.) 3. ed., Phila., 1942, 853-9. Surgery of the face, mouth and jaws, 30 years ago and now. J. Oral Surg., 1943, 1: 95-9.—Maxillofacial surgery. In Med. Dep. U. S. Army in the World War, Wash., 1924, 11: pt. 2, 393-554.—Kazanjan, V. H. Observations on war surgery of the face and jaws. Dent. Cosmos, 1920, 62: 283-94.—Kinsella, V. J. Problems in jaw surgery. Med. J. Australia, 1932, 1: 854-9.—Lemaître, F. Os centros maxillo-faciales. Rev. med. hyg. mil., Rio 1924, 10: 309-24.—Limberg, A. A. [Development of facial and jaw surgery in Soviet Russia] Stomatologia, Moskva, 1937, No. 5, 49-56.—McGee, R. P. The maxillo-facial surgeon in the front line hospital. J. Ass. Mil. Dent. Surg., 1919, 3: 176-88.—McLeod, A. C. A mobile maxillo-facial team. Brit. Dent. J., 1940, 69: 284.—Matronola, G. Chirurgia dei mascellari. Manuale chir. (Alessandri, R.) 1934, 2: pt. 1, 439-68.—Maurel, G. Présentation de quelques malades de chirurgie maxillo-faciale. Rev. odont., Par., 1929, 50: 377-407.—Chirurgie maxillo-faciale (2. éd., 1940) J. chir., Par., 1940, 56: 184.—Chirurgie Maxillo-faciale [a review] Schweiz. med. Wschr., 1941, 71: 1407.—Mladek, I. Zur Schmerzbehandlung nach kieferchirurgischen Eingriffen. Zschr. Stomat., 1939, 37: 592-6.—Pichler, H., & Hofer, O. Die Kieferstation der I. Chirurgischen Klinik, ihre Entwicklung und ihr Tätigkeitsfeld. Wien. med. Wschr., 1935, 85: 840-2.—Hospital department for maxillary diseases: development and field of activity. Ann. Dent., 1937, 4: 199-204.—Rauer, A. E. [Results and achievements of maxillofacial surgery during the 25 years of the Soviet regime] Stomatologia, Moskva, 1942, No. 4, 32-9.—Rookdown House maxillo-facial Centre, Park Prewett. Brit. Dent. J., 1940, 69: 393-5.—Schram, W. R. A histologic study of repair in the maxillary bones following surgery. J. Am. Dent. Ass., 1929, 16: 1987-97.—Spick, Vital de Person & Villière. Quatre-vingt quatre cas de chirurgie maxillo-faciale de guerre. Bull. Soc. nat. chir., Par., 1926, 52: 704-7.—Thoma, K. H. The Maxillofacial Service for England and Wales. Am. J. Orthodont., 1942, 28: Oral Surg., 243-7.

— Surgery: Anesthesia.

BICHLMAYR, A. Lokale Anästhesie und Allgemeinbetäubung in der Zahn-, Mund- und Kieferheilkunde. 236p. 25½cm. Münch., 1939.

BRINKMANN, K. *Ueber die Zusammensetzung der Injektions-Flüssigkeiten für die lokale und Leitungsanästhesie im Kiefergebiet [Münster] 39p. 22½cm. Würzb., 1935.

GREEN, M. *Untersuchungen über die Ausbreitung der Schleimhautanaesthesia bei Leitungsanaesthesia im Ober- und Unterkiefer [München] 23p. 8°. Neustadt [1926]

SCHMUZIGER, P. Intraosaeale Anästhesie der Kieferknochen mit Einfluss der endostalen (distalen) Methode. 78p. 8°. (Habilitationsschrift) Zür., 1933.

Also Schweiz. Mschr. Zahnh., 1933, 43: 99-177.

SQUILLANTE, G. *Les anesthésiques généraux en chirurgie maxillo-faciale. 107p. 8°. Par., 1937.

UNGLAUB, R. M. F. *Was ist in den letzten 10 Jahren bis Dezember 1936 über extraorale Anästhesierungsmethoden für chirurgische Eingriffe im Bereiche der Kiefer bekannt geworden? 18p. 22½cm. Griefsw., 1937.

Birkholz. Zur Frage der retromaxillären Leitungsanästhesie (vorläufige Mitteilung) Zschr. Hals & Heilk., 1926-27, 17: 176-9.—**Fischer, T. E.** General anesthesia in the treatment of maxillofacial cases. Mil. Surgeon, 1941, 89: 877-92.—**Hartstein, S. D.** Simplified maxillary anesthesia. Am. Dent. Surgeon, 1928, 48: 90.—**Haugen, F. P.** General anesthesia for jaw casualties. Mil. Surgeon, 1941, 89: 70-80.—**Hunter, J. T.** Practical points in anesthesia at maxillo-facial unit. Current Res. Anesth., 1942, 21: 223-8. Also J. District of Columbia Dent. Soc., 1943, 17: No. 2, 16-22.—**Lindemann, A.** Ein neues Verfahren der Anästhesierung des Ober- und Unterkieferbereiches. Deut. Mschr. Zahnk., 1926, 44: 387-95.

Neue Wege der Anästhesierung der Kiefer und deren Umgebung. Deut. Zschr. Chir., 1926, 199: 307-16.

Neue Wege der Anästhesierung der Kiefer und des Gesichtes. Nark. & Anaesth., Berl., 1928, 1: 3-16.

Die klinischen Grundlagen der Lokalanästhesie des Mund-Kiefer-Gesichtsbereiches. Deut. Zahn & Heilk., 1935, 2: 400-5.—**Lyman, E. E.** Preanesthetic medication with special consideration of the problems in maxillo-facial surgery. Mil. Surgeon, 1941, 88: 57-62.—**Marvin, F. W.** Choice of anesthesia for maxillofacial surgery in war and civilian injuries. Am. J. Orthodont., 1942, 28: Oral Surg., 254-7.—**Miller, A. L.** Observations on general and local anesthesia in face and jaw surgery. Current Res. Anesth., 1924, 3: 31-5.—**Münch, F. C.** Zur örtlichen Betäubung in der kleinen Kieferchirurgie. Schmerz, 1937-38, 10: 190-5.—**O'Hara, D. M.** Review of local anesthesia in maxillofacial cases. Mil. Surgeon, 1941, 89: 652-6.—**Pfannenschmidt, E.** Warum haben wir bei der Injektionsbetäubung im Unterkiefer weniger Erfolg als im Oberkiefer? Deut. Dent., 1929, 29: 193-5.—**Schulemann, W.** Pharmakologische Grundlagen der Infiltrationsanästhesie im Kiefergebiet. Deut. Zahn & Heilk., 1935, 2: 394-9.—**Tyler, E. A.** Nitrous oxide-oxygen anesthesia; endotracheal technique in oro-maxillofacial surgery. Current Res. Anesth., 1943, 22: 177-9.

— Surgery: Methods.

AXHAUSEN, G. Beiträge zur Mund- und Kieferchirurgie (ein Jahr Kieferklinik der Charité) 117p. 8° Lpz., 1932.

BERGMANN, H. *Die chirurgische Therapie in der Kieferorthopädie. 41p. 8° Lpz., 1931.

DURRIEU, C. A. *El preoperatorio en cirugía dento-maxilar [Dent.] 49p. 26½cm. B. Air. [1938]

GELKERMANN, H. *Die Osteotomie im Dienste der Kiefer-Orthopädie: Deformitäten [Münster] 30p. 22cm. Düsseldorf., 1935.

OTTO, W. *Die zahnärztliche Chirurgie in der Kieferorthopädie. 31p. 8° Lpz., 1935.

RAHLWES, W. *Die chirurgische Kieferorthopädie (Osteotomie) und ihre Anwendungsmöglichkeiten. 23p. 8° Kiel, 1935.

SLAWOFF, D. [K.] *Ueber die Bedeutung der präliminären Gefäßunterbindung in der Kieferchirurgie. 28p. 8° Würzb., 1926.

THELEMANN, A. *Elektrochirurgische Beiträge zur Mund- und Kieferchirurgie. 33p. 8° Gött., 1933.

ALVES TIBÚRCIO, A. Contribuição ao estudo das correções cirúrgicas dento-maxilo-faciais. An. Fac. odont. Univ. Minas Gerais, 1940, 5: 451-62.—**Axhausen, G.** Kieferresektion, -plastik und -prothese. Fortsch. Zahnk., 1930, 6: 917-52.

Die zahnärztliche Prothetik in der Mund- und Kieferchirurgie. Sitzber. Otol. Ges. Berlin, 1931, 104-200.—**Bichlmayr, A.** Die zahnärztlich-orthopädische Mitarbeit bei Mund- und Kieferoperationen. Zbl. Chir., 1937, 64: 2435-42.—**De Luca, A.** Impressioni e rilievi sui metodi operatori in uso nelle Kieferstation in Berlino e Düsseldorf. Riv. ital. stomat., 1933, 2: 942-50.—**Ernst, F.** Kieferresektion, -prothese und -plastik. Fortsch. Zahnk., 1926, 2: 1. Teil, 973-1012.—**Fairbank, L. C.** Orthodonties in the field of maxillofacial surgery. Internat. J. Orthodont., 1936, 22: 895-904.—**Hauberrisser, E.** Zur Wundheilung bei Anwendung des Hochfrequenzschnittes; unter besonderer Berücksichtigung der Mund-, Kiefer- und Gesichtschirurgie. Beitr. klin. Chir., 1931, 153: 257-74.—**Ivy, R. H.** Maxillo-facial surgery of the war as applied to civil practice. Dent. Cosmos, 1920, 62: 825-39.

Operative treatment of fractures and cysts of the jaws. J. Am. Dent. Ass., 1932, 19: 1516.—**Lartschneider, J.** Die Behandlung postoperativer Kieferwunden mit Fettsubstanzen. Zschr. Stomat., 1929, 27: 178.—**Lindemann & Hofrath, H.** Die Kieferosteotomie. Chirurg, 1938, 10: 745-70.—**McGee, R. P.** The adaptation of military surgery to civil practice. J. Am. Dent. Ass., 1927, 14: 1066-71.—**Pichler, H.** Kieferresektion,

-plastik und -prothese. Fortsch. Zahnk., 1928, 4: 1001-20; 1929, 5: 1027-43. — & **Berg, A.** Kieferresektion, -plastik und -prothese. Ibid., 1932, 8: 858-89; 1933, 9: 940-73.—**Seifert, E.** Aus dem Gebiet der Kieferchirurgie. Chirurg, 1934, 6: 489-93.—**Sonntag.** Beiträge zur Mund- und Kieferchirurgie. Deut. Zschr. Chir., 1930, 223: 236-60.—**Wassmund, M.** Entstellungsbehandlung in der Mund- und Kieferchirurgie. Med. Welt, 1930, 4: 327.

— Surgery: Methods: Resection.

KÜSTENDILSKI, D. *Ergebnisse der Ober- und Unterkieferresektion im Dezennium 1922-32. 35p. 8° Lpz., 1934.

Hirsch, C., & Kirchhoff, W. Ein Beitrag zur Konstruktion von Kieferresektionsprothesen. Acta otolar., Stockh., 1928, 12: 488-96.—**Roccia, B.** Resezione dei mascellari e protesi. Ann. Clin. odont., Roma, 1931, 8: 593-622.—**Rosenthal, W.** Kieferresektion, -prothetik und -plastik. Fortsch. Zahnk., 1927, 3: 1045-72.—**Round, H.** Restoration appliances for use after excision of the maxillae and partial excision of the mandible. Proc. R. Soc. M., Lond., 1933, 26: sect. odont., 1563.

— Surgery, plastic.

See also Face, Surgery, plastic.

ESSER, E. *Contribution à l'étude de lambeaux tubulés; application de cette méthode à quelques cas de chirurgie maxillo-faciale. 79p. 24cm. Par., 1938.

HELLIESEN, H. *Die freie Knochenverpflanzung im Dienste der Kieferchirurgie [Berlin] 31p. 8° Charlottenb., 1927.

SCHRÖDER, H. *Ueber die erhöhte Anwendbarkeit der freien Knochen transplantation in der Kieferchirurgie mittels der Knochenverpflanzung [Berlin] 33p. 8° Charlottenb., 1929.

WIESENTHAL, H. *Ueber Kieferplastiken. 42p. 8° Bresl., 1929.

Athané, U. Rapport sur le fonctionnement de l'équipé de chirurgie plastique et de prothèse maxillo-faciale de la 18^e région dans la zone des Armées; mission de renfort temporaire du 30 avril 1918 au 15 juillet 1918 sous la direction technique de MM. le professeur E. J. Moure, A. Herpin. Rev. maxillo-fac., Par., 1919, 3: 353; 394.—**Axhausen, G.** Ueber die erhöhte Anwendbarkeit der freien Knochenverpflanzung in der Kieferchirurgie mittels der Knochenverpflanzung. Chirurg, 1928-29, 1: 23-30.—**Belanger, A.** Du rôle de l'orthophonie dans la restauration maxillo-faciale. Restauration maxillo-fac., Par., 1918, 2: 205-9.—**Bettman, A. G.** Rebuilding the alveolar process and the buccal sulcus. Am. J. Surg., 1941, 52: 62-4.—**Beube, F. E., & Silvers, H. F.** Further studies on bone generation with the use of biofiltered heterogeneous bone. J. Periodont., 1936, 7: 17-21.—**Blair, V. P.** The restoration of function and appearance after certain injuries or in deformities of the jaw bones and mouth. J. Am. Dent. Ass., 1926, 13: 1511-20.

Plastic and maxillary aspects of military surgery. Surgery, 1941, 9: 308.—**Cavina, C.** Impianti e trapiantazioni nella mandibola e nella mascella. Riv. ital. stomat., 1932, 1: 525. Also Arch. chir. oris, Bologna, 1934, 2: 119-271.—**Craviotto, M. A.** Papel que desempeña el odontólogo en la cirugía plástica y reparadora de los maxilares y zonas vecinas. Rev. odont., B. Air., 1943, 31: 49-53.—**Ertl, J.** Rekonstruktion und Regeneration in der Kieferchirurgie. Atti Congr. internaz. stomat. (1935) 1936, 2. Congr., 1: 413.—**Greeley, P. W.** Problems in plastic and reconstructive surgery. J. Am. Dent. Ass., 1939, 26: 1954-65.—**Häupl, K.** Welche Gesetzmäßigkeiten beherrschen die gewöhnlichen Veränderungen bei der Knochenreformation? Wien. klin. Wschr., 1941, 54: 439.—**Harter, J. H.** Plastic surgery, facio-maxillary. Northwest M., 1926, 25: 404-8.—**Imbert, L., & Réal, P.** Travaux scientifiques du centre de chirurgie et de prothèse maxillo-faciale. Marseille méd., 1919, 56: 529; 578; 644; 682.—**Ivy, R. H., & Eby, J. D.** Maxillofacial surgery; methods of bone grafting. In Med. Dep. U. S. Army in the World War, Wash., 1924, 11: pt 2, 430-52.—**Landete Aragó.** Cirugía de los maxilares; injertos osteo-periosteos. Progr. clín., Madr., 1920, 15: 317-22.—**Leraître.** Sur les organisations des Centres de chirurgie maxillo-faciale et de prothèse; restauration de la face. Gaz. hôp., 1939, 112: 1413.—**Martindale, L.** A plastic surgery and jaw injuries centre somewhere in England. Med. Woman J., 1942, 49: 299.—**Marzodko, H.** Zur Frage der freien Fettgewebstransplantation als vorbereitende Massnahme zur Osteoplastik. Deut. Zahnärztl. Wschr., 1941, 44: 146.—**Moorehead, F. B.** Bone graft to jaw. Surg. Clin. N. America, 1929, 9: 321-3.

Lesions of the jaw, nose, and cheek; cleft lip and cleft palate; cartilage transplant; tube graft. Ibid., 1932, 12: 57-66.—**Rosenthal, W.** Beitrag zur Wiederherstellungschirurgie nach Kieferresektion und Nekrose. Arch. klin. Chir., 1927, 147: 248-84.—**Rubbrecht, O.** Orthodontic principles in maxillofacial restoration. Internat. Orthodont. Congr. (1926) 1927, 1. Congr., 221-44. Also Internat. J. Orthodont., 1927, 13: 411-34.—**Soderberg, N. B.** Maxillo-facial reconstruction. Mil. Surgeon, 1943, 92: 268-

76.—Solias, L. Le musée du Val-de-Grâce; description des pièces comprises dans le deuxième envoi du Centre maxillo-facial de Montpellier (16^e région) service de prothèse maxillo-faciale du médecin-major Besson. Restauration maxillo-fac., Par., 1918, 2: 194-201.—Zannoni, R., & Joachin. La protes dentaria nell'ambito della chirurgia plastica e ricostruttiva. Stomatologia, Mod., 1938, 36: 853-9.

Tumor.

See also subheadings (Angioma; Cancer; Cyst, etc.)

BERCHER, J. H. Les tumeurs des mâchoires liées à l'existence du système dentaire. p.439-522. 8^e Par., 1935.

BRÜGGEMANN, F. *Ueber Veränderungen des Bisses und der Zahnstellung bei Kiefer- und Schädelgeschwülsten. 19p. 8^e Gött., 1932.

GÜTTING, J. *Gutartige Kiefertumoren; unter Berücksichtigung der in der Chirurgischen Klinik Heidelberg von 1918 bis 1935 zur Behandlung gekommenen Fälle [Heidelberg] 40p. 21cm. Schifferstadt, 1936.

HASELHORST, C. *Ueber die Kiefertumoren [Halle-Wittenberg] 29p. 23½cm. Halle (Saale) 1938.

LEHMANN, W. *Beitrag zur Klinik und Differenzialdiagnose von Kiefertumoren. 29p. 8^e Bresl., 1926.

MARX, W. *Ueber Kiefertumoren nach Fällen der Chirurgischen Klinik Bonn aus den Jahren 1910-31. 49p. 8^e Bonn, 1932.

SALZMANN, G. *Ueber Kiefertumoren; ein Beitrag zur Kenntnis und Statistik der häufigsten Tumoren der Kiefer nach Fällen der chirurgischen Universitätsklinik zu Jena aus den Jahren 1920 bis 1935. 58p. 20½cm. Jena, 1938.

SCHIEBEL, H. H. *Zur Klinik chronisch entzündlicher Kiefergeschwülste. 85p. 8^e Berl. [1933]

WELGE, H. *Ueber die in den Jahren 1919 bis 1929 an der chirurgischen Universitäts-Klinik zu Göttingen operierten malignen und benignen Tumoren des Ober- und Unterkiefers. 34p. 8^e Gött., 1930.

WOLFERTSHOFER, E. *Ueber einen Fall einer herdförmigen infektiösen Granulombildung bei zahnlosem Kiefer [München] 13p. 8^e Kallmünz, 1935.

ACHARD, M., & GULEU, L. Diagnostic des tumeurs des maxillaires. Rev. stomat., Par., 1928, 30: 389-412.—AMOEDO, O. Tumores de los maxilares. Actas Congr. dent. españ. (1905) 1906, 3 Congr., 233-54.—ANGERER-KUX, E. Beitrag zur Frage tumorbildender Erkrankungen der Kieferknochen. Vjschr. Zahnh., 1931, 47: 341-7.—AXHAUSEN, G. Die unspezifischen Granulationsgeschwülste der Kiefer. Atti Congr. internaz. stomat. (1935) 1936, 2. Congr., 1: 471-81. — Die Kiefergeschwülste. Ber. Internat. Zahnärztekongr. (1936) 1937, 9. Kongr., 1: 1265-96 [Discussion] 2: 437-51. — & HAMMER, H. Die Geschwülste der Kieferknochen. Zbl. Chir., 1936, 63: 1124; 1174.—BALDONI, A. Contributo allo studio dei tumori epiteliali di origine paradentaria negli animali domestici. Mem. Accad. sc. Ist. Bologna, 1928-29, ser. 8, 6: 59-65.—BERCHER, J., & VILENSKI. Les tumeurs liées à l'existence du système dentaire: état actuel de nos connaissances. Rev. stomat., Par., 1926, 28: 505-26.—BLUM, T. Tumors of the jaws. Dent. Cosmos, 1931, 73: 745-58. — Pregnancy tumors: a study of 16 cases. J. Am. Dent. Ass., 1931, 18: 393-410.—BOENKE, F. Zur Kenntnis der Kiefertumoren. Verh. Deut. path. Ges., 1937, 30: 352-60 [Discussion] 366.—BRÜTT, H. Sobre los tumores de los maxilares y su tratamiento. Rev. méd. germ. iber. amer., 1934, 7: 34-40.—BURTON, J. F. Tumors of the jaws. J. Oklahoma M. Ass., 1937, 30: 369-74.—CAHN, L. R. Traumatic amputation neuroma. Am. J. Orthodont., 1939, 25: 190-3.—CARMODY, T. E. Tumors of the maxillas and the mandible. Arch. Otol., Chic., 1939, 30: 841.—DEMEL, R. Zur Behandlung der Oberkiefer- und Unterkiefer-tumoren. Beitr. klin. Chir., 1931, 154: 171-3.—ECKHOFF, N. L. Tumors and swellings on the jaws. Guy's Hosp. Gaz., Lond., 1942, 56: 22-6.—FISCHER, W. Allgemeine Pathologie und pathologische Anatomie. Fortsch. Zahnh., 1929, 5: 33-49.—GESCHICKTER, C. F. Tumors of the jaws. Am. J. Cancer, 1935, 24: 90-126.—GILKISON, C. C. Neoplastic jaw diseases; giant cell tumors of the alveolar border; epulis. Mil. Surgeon, 1942, 90: 678-82.—GODOY ALVÁREZ, M. Notas clínicas sobre los tumores de los maxilares. Mem. Congr. méd. nac. mex., 1910,

4. Congr., 272-80.—GROSS, H. Seltene Kiefertumoren. Vjschr. Zahnh., 1932, 48: 370-7.—HARTEL, F. Eigenartige Tumorbildung des Ober- und Unterkiefers. Deut. Zschr. Chir., 1929, 215: 66-75.—HYDE, W. H. Swellings of the jaws; their differential diagnosis. Dent. Outlook, N. Y., 1936, 23: 540-7.—IVY, R. H. Tumors and cysts of the jaws as disclosed by roentgenograms, and their treatment. J. Am. Dent. Ass., 1927, 14: 2272-80.—KAZANJIAN, V. H. Treatment of benign tumors of the jaw. Ibid., 1941, 28: 208-23.—LENORMANT, C., & RUPPE, C. Tumeurs des maxillaires. In Précis path. chir., 6. éd., Par., 1938, 2: 801-36.—LEVESQUE & GAUDUCHEAU, R. Traitement radio-chirurgical des tumeurs du massif maxillo-facial. Arch. électr. méd., 1931, 39: 364-8. Also Bull. Ass. fr. cancer, 1931, 20: 669-75.—LINDENBAUM, L. M. Ueber den Zusammenhang von retinierten Zähnen und Blastomen der Kiefer. Zschr. Stomat., 1930, 28: 237-45.—MATRONOLA, G. Tumori dei mascellari. In Manuale chir. (Alessandri, R.) 1934, 2: 479-96.—MILLER, G. I. Neoplasms of the jaw. Med. J. & Rec., 1933, 138: 259.—NORBERG, O. Zur Kenntnis der dysontogenetischen Geschwülste der Kieferknochen. Vjschr. Zahnh., 1930, 46: 321-55.—PICKERILL, P. Four interesting jaw tumours. Med. J. Australia, 1928, 2: 591-4.—RESCH, C. A. Peripheral tumors of the jaws. Cleveland Clin. Q., 1939, 6: 207-16.—SCHMIDT, V. [Tumors of upper and lower jaw] Ugeskr. læger, 1931, 93: 845-55.—SHALLOW, T. A. Tumors of the jaw. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 8: 214-27.—SPENCER, F. R., HEGNER, C. F., & BLACK, W. C. Benign and malignant tumors of the jaw. Tr. Am. Laryng. Ass., 1940, 62: 57-118. Also Arch. Otol., Chic., 1940, 32: 200-45.—THOMA, K. H. Osteodysplasia with multiple mesenchymal tumors: fibroma, exostoses, and osteomas. Internat. J. Orthodont., 1936, 22: 1177-88. — The diagnosis and treatment of cysts and tumors of the jaws. N. York J. Dent., 1942, 12: 297-302.—WALDRON, C. W. Cysts and neoplasms of the jaws; a consideration of their aetiology, pathology, clinical course, diagnosis and treatment. J. Canad. Dent. Ass., 1935, 1: 103-20.—WALKER, R. M. Tumours of jaws: case for diagnosis. Proc. R. Soc. M., Lond., 1934, 27: 632.—WITHERS, S. Angio-(perivascular)endotheliomas about the jaws. Am. J. Roentg., 1930, 24: 534-9.—WOODS, S. H. An account of 6 solid tumours of the jaws. J. R. Army M. Corps, 1938, 71: 244-54.—WORTH, H. M. Tumours of the jaw. Brit. J. Radiol., 1937, 10: 223-36.—ZAJEWIOSCHIN, M. N., & LIBIN, S. I. Histologische Untersuchungen der Zähne bei Neubildungen der Kiefer. Virchows Arch., 1934, 293: 365-80.

in animals.

APKING, F. *Der Einfluss der Domestikation auf Zähne und Kiefer des Schweines, festgestellt an Untersuchungen von Schädeln des Wildschweines und des Hausschweines. 25p. 8^e Greifsw., 1936.

ANDERSON, H. T. The jaw musculature of the phytosaur, Machaeropsopos. J. Morph. Physiol., 1936, 59: 549-87, 7 pl.—BROcq-ROUSSEAU, D. La symphyse maxillaire des ruminants. C. rend. Soc. biol., 1940, 133: 347.—EATON, T. H., Jr. An adaptive series of protractile jaws in cichlid fishes. J. Morph., 1943, 72: 183-90.—FAHRENHOLZ, C. Die Glandula intermaxillaris einer Blindwühle (Uraeotyphlus menoni) Morph. Jahrb., 1933-34, 73: 461-8.—KRAWARIK, F. Das Mentalorgan des Schweines (Sus scrofa domestica) ein Beitrag zur Kenntnis seines Baues, seiner Entwicklung und Funktion. Zschr. mikr. anat. Forsch., 1935, 38: 619-26.—MYERS, F. J. A method of mounting rotifer jaws for study. Tr. Am. Micr. Soc., 1937, 56: 256.—PAYNE, J. L. Some notes concerning the jaws and teeth of fish. Bres. hit. Dent. J., 1938, 64: 357-70.—ROBERTS, D. The dental comb of lemurs. J. Anat., Lond., 1940-41, 75: 236-8, pl.—ROMER, A. S. Mirror image comparison of upper and lower jaws in primitive tetrapods. Anat. Rec., 1940, 77: 175-9.—TAYLOR ROWE, A., & CAHN, L. R. Embryological studies of the rat jaws and teeth (histological, roentgenographical) Dent. Cosmos, 1936, 78: 696.—VILLIERS, C. G. S. de. Some aspects of the Amphibian suspensorium, with special reference to the paraquadrate and quadrate maxillary. Ann. Anz., 1935-36, 81: 225-47.—ZLÁBEK, K. Sur la constitution et le mécanisme de l'appareil maxillaire de la roussette. Arch. anat., Strasb., 1931-32, 14: 83-122.

JAWITSCH, Hirsch, 1901—*Ueber Anal-fisteln; unter Verwendung des Materials der Chirurgischen Universitätsklinik Heidelberg [Heidelberg] 61p. 8^e Walldorf, F. Lamade, 1928.

JAWITSCH, Isaak, 1903—*Fall von destruierender Blasenmole [Heidelberg] 52p. 8^e Walldorf, F. Lamade, 1928.

JAWITZ, Herbert, 1908—*Ikterus katarhalis und akute Leberatrophie im Kindesalter; ein Beitrag zur Aetiologie beider Krankheiten. 39p. 21cm. Berl. B. Levy, 1936.

JAWORSKI, Walery, 1849-1924.

For portrait see collection in Library.

JAW reflex.

See under **Mandibula**.

JAW winking.

See **Eyelid**, Movement: Synkinesia.

JAYLE, Félix, 1866—

Dartigues, L. [Biography] In Fasc. script. (Dartigues, L.) Par., 1932, 3: 500-4.

JAYLE, G. E. [M. D., 1933, Montpellier] Notice sur les titres et travaux scientifiques. 87p. illust. 8° [Montpellier, Mari-Lavit] 1933.

JAYLE, Max Fernand, 1913— *Etude biochimique et physiopathologique des peroxydases animales [Paris] 106p. 24cm. Lons-Le-Saunier, M. Declume, 1939.

JAYNE, William, 1826-1916.

Cook, J. F. D. Dr William Jayne, first Governor of Dakota Territory, 1861-63. J. Lancet, 1931, 51: 342.

JAYSON, Lawrence M. Mania. viii, 263p. 8° N. Y., Funk & Wagnalls, 1937.

JAZAS, Pierre, 1887— *Enquête sur la ladrerie bovine au Maroc [Vet. Alfort] 116p. 8° Par., Jouve & cie, 1926.

JAZZ.

See under **Music**.

JEAFFRESON, John Cordy, 1831— Brides and bridal. 2. ed. 2v. 23cm. Lond., Hurst & Blackett, 1873.

JEALOUSY.

See also **Delusional states**, erotic; **Emotion**; **Murder**; **Passion**.

GONZÁLEZ, G. La jalousie; étude médico-physiologique. 78p. 8° Par., 1932.

RUIJ, R. *La jalousie homicide (étude de quelques mesures prophylactiques) 84p. 8° Par., 1933.

Ackerson, L. Hatred or jealousy for sibling. In his Child. Behav. Probl., Chic., 1942, 2: 521-4.—**Bergler, E.** Beiträge zur Psychologie der Eifersucht. Internat. Zschr. Psychoanal., Wien, 1939, 24: 384-97.—**Bosch, G.** The therapeutics of jealousy. Internat. M. Blue Book, 1937, 8: 23-6.—**Ciúmes (Os)** são estados afetivos em desequilíbrio. Impr. med., Rio, 1941, 17: No. 329, 128-30.—**Di Frisco, S.** Lo stato di dubbio e lo stato di certezza in rapporto al delitto per gelosia. Arch. antrop. crim., Tor., 1934, 54: 708-13.—**Fenichel, O.** Beitrag zur Psychologie der Eifersucht. Imago, Wien, 1935, 21: 143-57.—**González Martínez, J.** Celos. Actual. méd., Granada, 1942, 18: Suppl. 32.—**Gruhle, H. W.** Partielle Geschäftsunfähigkeit, partielle Zurechnungsunfähigkeit (Eifersucht) Nervenarzt, 1940, 13: 544-9.—**Jealousy and sex.** Sexology, 1935-36, 3: 26-9.—**Jones, E.** Jealousy. Psyche, Lond., 1930-31, 11: 41-55.—**Klineberg, O.** Jealousy. In his Social Psychol., N. Y., 1940, 127-31.—**Lagache, D.** Contribution à l'étude des idées d'infidélité homosexuelle dans la jalousie. Arch. internat. neur., Par., 1939, 58: 97-108.—**Levine, M.** Notes on the psychopathology of suspicions of marital infidelity. J. Med., Cincin., 1938-39, 19: 184-8.—**Levy, D. M.** Jealousy. J. Pediat., S. Louis, 1940, 16: 515-8.—**Liber, B.** Jealousy. In his Your Ment. Health, N. Y., 1940, 163-5.—**Muggia, A.** La gelosia del bambino. Igiene vita, 1933, 26: 115.—**Nagge, J. W.** Sympathy and jealousy. In his Psychol. Child, N. Y., 1942, 342-5.—**Riviere, J.** Jealousy as a mechanism of defence. Internat. J. Psychoanal., Lond., 1932, 13: 414-24. Also Internat. Zschr. Psychoanal., Wien, 1936, 22: 177-97.—**Stekel, W.** Jealousy. In Love & Marriage (S. Forbát) N. Y., 1938, 325-34.—**Wohlfarth, P. von.** Zur Psychologie des Mordes aus Eifersucht; nach Dostojewskis Roman, der Gatte. Arch. gen. neur., Nocera, 1938, 19: 276-87.

JEAN, of Saint-Amand, fl. ca 1260 A. D. Expositio supra antidotarium Nicolai. p.303b-339a. fol. Venez., 1527.

In al-Mardīnī [Mesue] Op. omnia, Venez., 1527.

JEAN, Bernard, 1900— *L'obstétrique en 1925; revue analytique des principaux travaux français et étrangers. 110p. 8° Par., 1927.

JEAN, Etienne Auguste Ernest, 1910— *Pouvoir pathogène et localisations du bacille du

rouget dans les différentes espèces animales [Alfort, Vet.] 45p. 8° Par., Vigot fr., 1934.

JEAN, Frank Covert, 1880— , **HARRAH, Ezra Clarence**, & **HERMAN, Fred Louis**. Introduction to science. Book 2, part 1. 197p. 8° [Greeley, Colo., Tribune-Republican pub. co., 1933]

JEAN, G., 1910— *Recherches sur le constituant protéique des pigments respiratoires [Marseille; Pharm.] 95p. tab. diagr. 25½cm. Lyon, M. & L. Riou, 1935.

JEAN, Gabriel. Le secret médical; son étude au point de vue juridique. 163, [1]p. 8° Bord., Delmas, 1933.

JEAN, Hubert. Les nouveaux traitements des maladies vénériennes; leurs causes, leurs remèdes; méthode de guérison d'après les dernières découvertes médicales. 187p. 12° Par., Lib. Astra, 1926.

JEAN, Jacques. *Contribution à l'étude des méthodes d'évaluation des polypeptides dans les liquides organiques [Pharm.] 110p. tab. 24½cm. Toulouse, Impr. Cléder, 1938.

JEAN, Louis, 1911— *Contribution à l'étude clinique des composés organo-soufrés; leur application au traitement des complications oculaires de la blennorrhagie. 93p. 24cm. Par., Jouve & cie, 1938. 305.

JEAN, Robert, 1905— *Contribution à l'étude des kystes paradentaires sur dents de lait. 52p. 8° Par., M. Vigné, 1934.

JEANBRAU, Emile, 1873— Appareil génital de l'homme. p.1-433. illust. 8° Par., Masson, 1938.

Précis path. chir., 6. éd., Par., 1938, 5:

— Pathologie de la vessie. p.434-572. illust. 8° Par., Masson, 1938.

Précis path. chir., 6. éd., Par., 1938, 5:

— Pathologie de l'urètre. p.573-723. illust. 8° Par., Masson, 1938.

Précis path. chir., 6. éd., Par., 1938, 5:

See also **Delmas, P.**, **Giraud, G.** [et al.] L'examen du malade. 318p. 8° Par., 1935.

Dartigues, L. [Biography] In Fasc. script. (Dartigues, L.) Par., 1932, 3: 553-6.

— **NOVE-JOSSERAND, P.** [et al.] Chirurgie réparatrice et orthopédique. 2v. 8° Par., Masson & cie., 1920.

JEANBRAU, Emile, & **SENEQUE, J.** Fractures du membre inférieur. p.149-334. illust. 8° Par., Masson, 1937.

Précis path. chir., 6. éd., Par., 1937, 6:

— Fractures du membre supérieur. p.1-148. illust. 8° Par., Masson, 1937.

Précis path. chir., 6. éd., Par., 1937, 6:

JEANDEL, Andrée-Elizabeth, 1896—

*Exploration clinique du pancréas normal et pathologique par l'étude du suc pancréatique recueilli après injection de sécrétine purifiée. 116p. 8° Par., Lib. L. Arnette, 1930.

JEANDELIZE, P., & **DROUET, P. L.** L'oeil et l'hypophyse. p.227-400. 14pl. 24cm. Le Caire, Imprimerie Nationale Boulac, 1938.

In Tr. Internat. Ophth. Congr. (1937) 1938, 15. Congr., 3:

JEANGUYOT, Simone [M. D., 1934, Strasbourg] *Contribution à l'étude de l'excitabilité neuro-musculaire; action de quelques esthers, généralcaloïdes et glucosides [Strasbourg] 148p. 8° Lyon, Bosc fr., 1934.

JEANJEAN, Gabriel, 1912— *L'électro-galvanisme buccal, stomatites et leucoplasie électro-galvaniques. 55p. 25½cm. Par., Vigot fr., 1938.

JEAN-JOSEPH, Henri Etienne, 1905— *Tension artérielle au cours de l'apoplexie utéro-placentaire. 75p. 8° Par., E. Le François, 1935.

JEAN-LOUIS, Jules, 1916- *Contribution à l'étude des leptoméniges basses et de leur traitement chirurgical. 84p. 25cm. Lyon, Paquet, 1939.

JEANNACOPOULO, Juliette, 1904- *Dissociation auriculo-ventriculaire et grossesse. 77p. 8° Par., 1932.

JEANNE [of Arc] 1412-31.

Bayon, H. P. A medico-psychological revision of the story of Jehanne, la Pucelle de Domrémy. Proc. R. Soc. M., Lond., 1940-41, 34: 161-70.—**Lüdecke, W.** Familienkundlicher Beitrag zur Pathologie der Jeanne d'Arc. Zschr. Sexwiss., 1926-27, 13: 308-12.—**Morte (La)** di una allucinata. Minerva med., Tor., 1940, 31: pt 2, varia, 352.—**Ouy-Vernazobres, C.** Le parfait équilibre moral et physique de Jeanne d'Arc. Ésculape, Par., 1929, n. s., 19: 34-51.—**Paul, J. M.** Posséderions-nous le vrai visage de Jehanne d'Arc? Ibid., 1939, 29: 74-7.

JEANNE, Achille, 1870-1927.

Tuffier. [Nécrologie] Arch. méd. chir. app. resp., Par., 1926, 1: No. 6, Suppl.

JEANNE, André, 1915- *Comparison de la séro-agglutination et des réactions tuberculiniques chez l'enfant. 88p. 25cm. Lyon, Bosc fr., 1939.

JEANNE, Henry, 1901- *Des fractures diaphysaires ouvertes de la jambe. 80p. 8° Par., L. Arnette, 1932.

JEANNENEY, Georges. Cancer, a practical résumé of the subject for general practitioners; transl. by John Gibson and John H. Watson. xiv, 186p. 2 pl. 8° Lond., H. K. Lewis & co., 1929.

— Séméiologie chirurgicale. vi, 232p. illust. 8° Par., Masson, 1932.

— **HIRTZ, G.** Formulaire endocrinologique du praticien. 159p. illust. tab. 8° Par., G. Doin, 1936.

JEANNENEY, Georges, & ROSSET-BRES-SAND, M. Formulaire gynécologique du praticien; préface de J. Guyot. 200p. 8° Par., G. Doin & cie, 1930.

For portrait see Bruxelles méd., 1937-38, 18: No. Spec., 1937, 78.

JEANNERET, Henri [M. D., 1936, Lausanne] *L'influence du chômage sur la santé des familles de chômeurs et spécialement sur celle de leurs enfants. 77p. 8° Lausanne, Imp. Populaire, 1936.

JEANNERET, Lucien [M. D., 1914, Basel] *Des tumeurs malignes du pharynx chez l'enfant [Basel] 20p. 8° Bord., Gounouilhau, 1914.

JEANNERET, René [M. D., 1928, Lausanne] *A propos du chorio-épithélioma malin chez l'homme. 34p. 6 pl. 8° Lausanne, Impr. Réunies S. A., 1928.

For portrait see Corps méd. Vaudois (O. Lazar) Genève, 1937, 15.

JEANNERET, Rudolf. Leitfaden für den Phantomkurs der konservierenden Zahnheilkunde. 98p. 8° Lpz., G. Thieme, 1931.

JEANNET, Paul [M. D., 1929, Genève] *Les matières plastiques en prothèse dentaire; le dentolith. 27p. 8° Genève, Impr. Centrale, 1929.

JEANNIN, Albert, 1903- *La race bovine Cotentine [Alfort] 73p. 8° Par., Vigot fr., 1932.

JEANNIN, Cyrille, 1874- See **Dubrisay, L., & Jeannin, C.** Précis d'accouchement. 7. éd. 12° Par., 1930.

JEANNIN, Jean, 1913- *Le contrôle sanitaire du lait à Dijon. 69p. 25cm. Lyon, Bosc fr., 1939.

JEANNOPOULOS, Jean L., 1911- *L'anosphygmie respiratoire à l'état physiologique et pathologique. 76p. 25½cm. Par., Vigot fr., 1938.

JEANNOPOULOS, Takis L., 1909- *Sur l'atlectasie des poumons. 73p. 8° Par., Vigot fr., 1937.

JEANNOT, Paul, 1908- *Contribution à l'étude de la forme appendiculaire de l'invagination intestinale. 77p. 8° Lyon, Bosc fr., 1937.

JEANROY, Victor Nicolas Antoine, 1783- **Jeanroy, R.** Le chirurgien aide-major Jeanroy, du 3. Hussards sur le ponton La Vieille-Castille à Cadix, le 11 mai 1810. Rev. Serv. san. mil., Par., 1938, 108: 463-8.

JEANS, Frank, 1878-1933. **B., A. D.** Necrology. P. verb. Congr. Soc. internat. chir., 1936, 10. Congr., 1: 175-7.—**Obituary.** Brit. M. J., 1933, 1: 37. Also Lancet, Lond., 1933, 1: 45.

JEANS, Henry Williams, -1941. For obituary see Brit. M. J., 1941, 1: 948.

JEANS, James Hopwood, 1877- Report on radiation and the quantum-theory. iv, 90p. 23cm. Lond., The Electrician print. & pub. co., 1914.

— The universe around us. 352p. 18 pl. 8° N. Y., Macmillan co., 1930.

JEANS, Philip Charles, 1883- Essentials of pediatrics for nurses. 119 l. 8° Iowa City, Univ. Iowa, 1932. Also 2. ed. xiii, 505p. illust. pl. 8° Phila., J. B. Lippincott & co. [1936] Also 3. ed. xiv, 521p. [1939]

See also **Cole, Harold N., & Jeans, P. C.** Syphilis in mother and child. 20p. 8° Wash., 1940.

For portrait see Kansas City M. J., 1941, 17: No. 10, 4. Also Mississippi Doctor, 1934-35, 12: No. 7, 36; 1934-35, 12: No. 9, 12. Also Nu Sigma Nu Bull., 1940-41, 30: 224; 1942, 31: 253.

JEANS, Philip Charles, & COOKE, Jean V. Prepubescent syphilis. xxi, 295p. 8° N. Y., D. Appleton & co., 1930.

Forms v. 17 of Clinical Pediatrics (R. S. Haynes) N. Y., 1930.

JEANS, Thomas Tendron. Reminiscences of a naval surgeon. xiv, 310p. illust. 8° Lond., Sampson Low, Marston & co. [1927]

JEANSELME [Antoine] Edouard, 1858-1935. Traité de la syphilis. 5v. in 6. illust. 8° Par., G. Doin & cie, 1931-34.

— La lèpre. 679p. illust. fol. Par., G. Doin & cie, 1934.

See also **Brodier.** Nécrologie. Bull. Soc. fr. hist. méd., 1935, 29: 137-42.—**Crouzon, O.** Nécrologie. Bull. Acad. méd., Par., 1935, 3. sér., 113: 477-83.—**Edouard Jeanselme.** Prophyl. antivénér., Par., 1935, 7: 261-70.—**Gougerot.** Nécrologie. Bull. Soc. fr. derm. syph., 1935, 42: 567-70.—**Hernández Sampelayo, J.** Necrologia. Siglo méd., Madr., 1935, 95: 547.—In memoriam: Eduardo Jeanselme. Ibid., 96: 132.—**Lint, J. G. de [Obituary]** Bijl. gesch. geneesk., 1935, 15: 120, portr. Also Ned. tscr. geneesk., 1935, 79: 2108, portr.—**Maurel, P.** Le professeur Jeanselme. Vie méd., Par., 1928, 9: 1363.—**Milian, G.** Nécrologie. Paris méd., 1935, 96: annexe, 522.—**Nécrologie.** Bull. Acad. méd., Par., 1935, 3. sér., 113: 425. Also Bull. Soc. méd. hôp. Par., 1935, 3. sér., 51: 1791-8, portr. Also Bull. Soc. path. exot., Par., 1935, 28: 339.—**Pasini, A.** [Necrologia] Gior. ital. derm. sif., 1935, 76: 966.—**Pautrier, L. M.** Nécrologie. Bull. Soc. fr. derm. syph., 1935, 42: 1661.—**S., F. L.** Nécrologie. Gaz. hôp., 1935, 108: 602.—**S[antos] V.** [Biographia] Arq. anat., 1937, 18: 496.—**Sergent, E.** Nécrologie. J. méd. chir., Par., 1935, 368.—**Sézary, A.** Nécrologie. Presse méd., 1935, 43: 833, portr.—**Touraine, A.** [Nécrologie] Ann. derm. syph., Par., 1935, 7. sér., 6: 385-90, portr.—**Wickersheimer, E.** [Obituary] Janus, Leyden, 1935, 39: 49.

For portrait see P. verb. Congr. derm. syph. fr., 1926, 3. Congr., opp. 32. Also Deliber. Congr. derm. internat. (1935) 1936, 9. Congr., 4: 75.

JEANTET, P. See **Charpentier, P. G., & Jeantet, P.** Les microbes. 77p. 8° Par., 1927.

JEANTET, René, 1901- *La syphilis de l'endocarde. 68p. 8° Par., Jouve & cie, 1926.

JEANTY, Jean Isai Exumé, 1865-1938. **Vatinelle, P.** Nécrologie. Ann. méd. haïti., 1938, 15: 5-20.

JEBB, Samuel, -1772. Editor of **Bacon, R.** Opus inajus. 477p. 37¼ cm. Lond., 1733.

- JEBE, Hakon Gabriel, 1831-1900.**
Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 594.
- JEBE, Herman Gabriel, 1817-1900.**
Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 594.
- JECKE, Friedrich, 1907-** *Prothetische Massnahmen zur Deckung angeborener und erworbener Gaumendefekte [Jena] 42p. 8° Ohlau i. Schl., H. Eschenhagen, 1933.
- JECK, Howard Sheffield, 1883-**
 For biography see Hist. N. York Polyclinic (W. M. Hartshorn) 1942, 194.
- JECKELN, Ernst, 1903-** *Der Einfluss der Impfmalaria auf den Verlauf der Gonorrhoe. 30p. 8° Münch., C. Wolf & Sohn, 1927.
- JECKER, Margot, 1909-** *Möller-Hunter'sche Glossitis [Freiburg] 16p. 8° Quakenbrück, C. Trute, 1933.
- JECKLIN, Peter, 1899-** *Beitrag zur Untersuchung der normalen Muskelchronaxie des Menschen. p.166-91. 8° Zürich, J. H. Meier, 1932.
 Also Deut. Zschr. Nervenhe., 1932, 125:
- JEDAS, Mejer, 1898-** *Ueber mikroskopische Veränderungen nach Radiumbestrahlung des Uteruscarcinoms. 38p. 8° Lpz., E. M. Löffler, 1928.
- JEDDELOH, Bruno zu, 1905-** *Ueber den Fettgehalt der Knochenzellen des Schädel-daches [Kiel] 18p. 8° Kiel, C. Donath, 1929.
- JEDEIKIN, Rosa [M. D., 1933, Basel]** *Die Verbreitung der Zahnkaries unter der Schuljugend Basels im Jahre 1930-31 [Basel] 48p. 8° Riga [n. p.] 1933.
- JEDLICKA, Rudolf, 1869-1926.**
 Divis, J., Albert, B. [et al.] [Obituary] Cas. lék. česk., 1926, 65: 1745-83.—Haering, V. [Reminiscences of Prof. Dr Jedlická] Voj. zdrav. listy, 1927, 3: 45-7.—Santruček, K. [In memoriam] Cas. lék. česk., 1926, 65: 1843.
- JEDLICKA, Vladimir.** Perniciosni anemia. 288p. 4° Praha, 1929.
- JEDŁOWSKI, Paolo.** L'ematologia nelle malattie mentali e nervose. 293p. 8° Bologna, L. Cappelli, 1934.
- JEDRZEJCZAK, Marian, 1892-** *Le cancer du rectum chez les jeunes sujets. 42p. 8° Par., Vigot fr., 1933.
- JEETOO, Abdool Gaffoor, 1900-** *Etude sur le rhumatisme vertébral chronique. 63p. 8° Par., Jouve & cie, 1926.
- JEFFERIES, James Finbarr, 1884-1937.**
 For obituary see S. Afr. M. J., 1937, 11: 779.
- JEFFERIS, B. Grant, & NICHOLS, J. L.** Faro en el mar de la vida, para echar luz en la obscuridad de la ciencia sexual; transl. by J. H. T. Stempel & Octavio Soto. 404p. illust. portr. tab. 22cm. Naperville, Ill., J. L. Nichols & cia, 1920.
- JEFFERS, Robinson, 1887-**
 Brown, M. W. Robinson Jeffers, a poet who studied medicine. Med. J. & Rec., N. Y., 1929, 130: 535-9.
- JEFFERSON, Thomas, 1743-1826.**
 Halsey, R. H. How the President, Thomas Jefferson, and Doctor Benjamin Waterhouse established vaccination as a public health procedure. 58p. 8° N. Y., 1936.
 For biography see Bull. Am. Ass. Univ. Professors, 1943, 29: 187-98.
 See also Brasch, F. E. Thomas Jefferson, the scientist. Science, 1943, 97: 300.—Oliver, J. W. Thomas Jefferson, scientist. Sc. Month., 1943, 56: 460-7.—Osborn, H. F. Thomas Jefferson as a paleontologist. Science, 1935, 82: 533-8.
- JEFFERSON, Thomas Le Roy, 1867-**
 The old Negro and the new Negro. 118p. 8° Bost., Meador pub. co., 1937.
- JEFFERSON, William Dixon, 1855-1927.**
 For obituary see Lancet, Lond., 1927, 2: 530.

JEFFERSON County Medical Society.

Heflin, E. L. History of the Jefferson County Medical Society. Kentucky M. J., 1941, 39: 188-92.—Henry, M. J. Presidential address; Jefferson County Medical Society. Ibid., 1942, 40: 78-80.

JEFFERSONIA.

See Berberis.

JEFFERSON Medical College.

See under Philadelphia.

JEFFERY, Clement. Fit after 40. 213p. illust. 19cm. Lond., F. Muller [1939]

— Rheumatism; its causes, prevention and treatment. 197p. 19cm. Lond., F. Muller [1940]

JEFFERY, H. B. The principles of healing. 187p. portr. 20cm. Cambr., Mass., R. Lighthouse [1939]

JEFFERY, Mary Pauline, 1893- Dr Ida: India; the life story of Ida S. Scudder. 212p. pl. portr. 21cm. N. Y., F. H. Revell co. [1938]

JEFFERYS, William Hamilton, 1871-
 [Biography] In Biogr. Encycl. World, 2. ed., N. Y., 1942, 215.—[Biography; retirement] City Missionary, Phila., 1942, 26: 3-5, portr.

JEFFRIES, Benjamin Joy, 1833-1915. Color-blindness: its dangers and its detection. xvii, 334p. 8° Bost., Houghton, Mifflin & co., 1883.

JEFFRIES, Ferdinand Murdo, 1865-
 [Biography] In Hist. N. York Polyclinic (W. M. Hartshorn) 1942, 140.

JEFFRIES, John Amory, 1859-1892.
 For portrait see Collection in Library.

JEGHERS, Harold, 1904-
 For portrait see Phi Chi Q., Menasha, 1939, 36: 427.

JEGI, Henry A., 1873-
 For portrait see Wisconsin M. J., 1942, 41: 703.

JEGI, John I., 1866-1904. Syllabus of human physiology for high schools, normal schools, and colleges. v, 264p. 8° Milwaukee, S. Y. Gillan & co., 1901.

JEGIZ, B. A. Скарлатина и как от нее уберечься 32p. 17cm. Moskva, Gosud. med. izdat., 1929.

JEGLIN, Kurt, 1906- *Zur Therapie der vorgeschrittenen Extrauterin-gravidität. 16p. 8° Königsberg i. P. [n. p.] 1930.

JEGOUREL, Hubert Augustin Marie, 1909-
 *Etiologie des arthrites à pneumocoques de cause extra-pulmonaire [Paris] 70p. 8° Rennes, Imp. Prov. d'Ouest, 1937.

JEGUST, Karl, 1909- *Kariesbehandlung und Pulpa. 24p. 22cm. Bonn, A. Brand, 1936.

JEHANLY, Teki, 1905- *Recherches sur les hypercalcémies provoquées. 40p. 8° Strasb., I. S. T. P. A., 1933.

JEHIEL, Benoit, 1902- *Contribution à l'étude expérimentale, radiologique et clinique de l'uropgraphie intraveineuse. 150p. 15 pl. 8° Par., Ed. Occitania, 1932.

JEHLE, Ludwig, 1870-1939. Die funktionelle Albuminurie und Nephritis im Kindesalter. 68p. 8° Wien, Rikola, 1923.

See also Czerny. Nekrolog. Mschr. Kinderh., 1939, 78: 276.

JEHN [Oskar] Rudolf, 1902- *Zur Behandlung des Röntgengeschwürs [Leipzig] 23p. 8° [Zeulenroda i. Thür., A. Oberreuter] 1926.

JEHOVAH complex.

See also **Complex; Delusional states, grandiose.**
Menninger, K. A. The Jehovah complex. In his *Human Mind*, N. Y., 1937, 323-5.

JEIKOFF, Konstantin, 1914— *Methoden und Ergebnisse der Capillardruckmessung am Menschen. 16p. 8°. Münch., Bayer. Dr. [1937]

JEIKOFF, Matthaei Panajot, 1908— *Allergische Erkrankungen in der Mundhöhle und ihre Therapie. 27p. 8°. Münch., Bayer. Dr., 1933.

JEJUNITIS.

See also **Enteritis; Ileitis.**

Adlersberg, D., & Sobotka, H. Fat and vitamin A absorption in sprue and jejunitis. *Gastroenterology*, 1943, 1: 357-65.—**Gottlieb, C., & Alpert, S.** Regional jejunitis. *Am. J. Roentg.*, 1937, 38: 881-3.—**Johnson, W. R.** Chronic, nonspecific, jejunitis with unusual features. *Gastroenterology*, 1943, 1: 347-56.—**Joll, C. A.** Regional jejunitis. *Tr. M. Soc. London*, 1938, 61: 109.—**Klingenstein, P.** Acute inflammatory jejunitis with intestinal obstruction. *Ann. Surg.*, 1938, 107: 147.—**Kuijper, J. H.** [Ileitis jejunalis] *Ned. tsschr. geneesk.*, 1940, 84: 3743-8.—**Porges, O.** Bemerkungen zu Jejunitis von Rehder (Altona) *Deut. Arch. klin. Med.*, 1932, 173: 330 [Erwiderung von Rehder] 332.—**Rehder, J.** *Ibid.*, 1931-32, 172: 662-7.—**Rottjer, E. A., Beguiristain, M. A.** [et al.] Yeyuno-ileitis crónica; comentario sobre 102 casos personales. *Dia. méd., B. Air.*, 1941, 13: 11.—**Sussman, M. L.** Diffuse nonspecific jejunitis. In *Ther. Infancy* (Litchfield, H. R., & al.) Phila., 1942, 2: 1286-94.

JEJUNOSTOMY.

See also **Gastroenterostomy; Gastrojejunostomy; Intestine, small, Surgery; Peptic ulcer, Surgery.**

Barber, W. H. Jejunostomy; a clinical and experimental study of the technic of the operation. *Ann. Surg.*, 1933, 97: 553-76.—**Blinov, N. I.** [Case of pancreato-cysto-jejunostomy] *Vest. khir.*, 1938, 56: 249-51.—**Clute, H. M., & Bell, L. M.** Jejunostomy for postoperative feeding. *Tr. South. Surg. Ass.* (1940) 1941, 53: 295-307.—**Delrez, L., & Desaipe, P.** Procédé de jéjunostomie. *Presse méd.*, 1933, 41: 1063.—**Fischer, A. W.** Eine Jejunostomie mit Schrägstiel und Fusspunktanastomose. *Zbl. Chir.*, 1935, 62: 2967.—**Guthrie, D., & Shepard, W. F.** The value of jejunostomy in intestinal surgery. *Bull. Guthrie Clin.*, 1933-34, 3: 83-8.—**Haden, R. L., & Orr, T. G.** Effect of jejunostomy in experimental obstruction of the jejunum of the dog. *J. Exp. M.*, 1926, 43: 483-93.—**Experimental high jejunostomy in the dog, with blood chemical studies.** *Ibid.*, 44: 795-802.—**Heyd, C. G.** Jejunostomy. *Am. J. Surg.*, 1926, n. ser., 1: 188-92.—**Lardinois, G.** Jéjunostomie en Y. *Bull. Soc. nat. chir., Par.*, 1935, 61: 254.—**Larimore, J. W.** Duodenal ileus, ulcerative colitis, and pellagra associated in the same patient; complete cure following duodeno-jejunostomy. *J. Missouri M. Ass.*, 1929, 26: 239-42.—**MacKinnon, A. I.** Jejunostomy, primary and complementary. *J. Am. M. Ass.*, 1928, 90: 257.—**Mahon, G. D., jr.** Jejunostomy. *Tr. Ass. Physicians Mayo Clin.* (1928) 1929, 9: 135-7.—**Miner, D.** Jejunostomy. *Surg. Clin. N. America*, 1926, 6: 1633-40.—**Oppenheimer, G. D., & Druckerman, L. J.** Jejunostomy for alimentation; a life-saving procedure. *J. Mount Sinai Hosp. N. York*, 1938-39, 5: 610-5.—**Orr, T. G., & Haden, R. L.** Effect of jejunostomy upon experimental high intestinal obstruction. *Tr. West. Surg. Ass.* (1925) 1926, 35: 341-9.—**High jejunostomy in intestinal obstruction; a clinical review and experimental results.** *J. Am. M. Ass.*, 1926, 87: 632-4.—**Petrov, B. A.** [Jejunostomy] *Nov. khir. arkh.*, 1940, 46: 221-5.—**Shklovsky, D. E.** [A neglected operation: jejunostomy] *Ibid.*, 1939, 44: 291-3.—**Stewart, J. D.** Gravity feeding by jejunostomy. *Ann. Surg.*, 1932, 96: 225-9.—**Summers, J. E.** Indications for and technique of duodeno-jejunostomy. *Nebraska M. J.*, 1929, 14: 310-3.—**Tönnis, W.** Die Funktion der Dünndarm-Dickdarmanastomosen. *Deut. Zschr. Chir.*, 1928, 212: 339-49.—**Trincas, M.** La digiunostomia nel ristagno gastrico grave dopo resezione. *Clin. chir.*, Milano, 1939, 42: 467-71.—**Winkelbauer, A.** Zur Technik der Jejunostomie. *Zbl. Chir.*, 1929, 56: 2136-9.—**Wolfer, J. A.** Jejunostomy with jejunal alimentation. *Tr. Am. Surg. Ass.*, 1934, 52: 523-40. Also *Ann. Surg.*, 1935, 101: 708-25.

JEJUNUM.

See also **Duodenum, Duodenojejunal flexure; Intestine, small; Mesentery.**

Albertoni, P. Ricerche sulle variazioni di eccitabilità del vago e dell'apparecchio vasomotore e contributo alla fisiologia del digiuno. *Mem. Accad. sc. Ist. Bologna*, 1923-24, 8. ser., 1: 41-51.—**McGee, L. C., & Emery, E. S., jr.** Factors influencing digestion in the jejunum. *Am. J. Digest. Dis.*, 1940, 7: 462-7.—**Mantella, G.** Digiuno e purga. *Rinasc. med.*, 1935,

12: 301-3.—**Moracci, E.** Sul decorso del digiuno nei colombi normali e vagotomizzati. *Riv. pat. sper.*, 1933-35, 10: 434-42.—**Morito, K.** Injections of haemosol into the bled rabbits; distribution of iron and its reabsorption from the upper part of the intestine. *Jap. J. M. Sc.*, 1934-36, 4: Surg., 276.—**Nasset, E. S.** The distribution of a chemical excitant for the glands of the jejunum. *Am. J. Physiol.*, 1936, 116: 112.—**Salotti, A.** Studio radiologico dei movimenti dell'intestino tenue digiuno; un segno indice della direzione dell'ansa; i movimenti propri della mucosa; ritmo e periodicità dei movimenti intestinali. *Radiol. med.*, Milano, 1931, 18: 421-33.—**Schiffrin, M. J., & Nasset, E. S.** The response of jejunum and ileum to food and enterocrinin. *Am. J. Physiol.*, 1939-40, 128: 70-80.—**Spadolini, I.** A proposito di una nota del Sig. Amprino sulle alterazioni della mucosa intestinale nel digiuno. *Anat. Anz.*, 1933-34, 77: 289-91.

Abnormity.

Bello, J. A., & Bianchini, C. A. Malformación congénita del veyuno-ileon. *Sem. méd., B. Air.*, 1936, 43: pt 2, 1724-6.—**Biering, E.** Jejunum duplex. *Acta pædiat.*, Upps., 1928-29, 8: 611-25.—**Brites, G.** Sept observations de jéjuno-ileon trop court. *Fol. anat. Univ. combr.*, 1927, 2: No. 5, 1-5.—**Nadal & Duchamp.** Déroulement anormal de la portion initiale du grêle. *Bull. Soc. électroradiol. méd. France*, 1938, 26: 222.

Abnormity: Atresia and stenosis.

Baughman, D. S. Congenital atresia of the jejunum. *J. Lancet*, 1933, 53: 15.—**Bellini, O.** Stenosi digiunale congenita di alto grado in bambina di 14 mesi, guarita dopo resezione intestinale. *Policlinico*, 1939, 46: sez. chir., 417-25.—**Grönberger, G.** [Successful operation in a case of congenital jejunum stenosis] *Sven. läk. tidn.*, 1937, 34: 585-93.—**Stetten, DeW.** Duodenojejunostomy for congenital, intrinsic, total atresia at the duodeno-jejunal junction; successful result in a three-day-old, one-month-premature infant weighing four pounds two ounces. *Ann. Surg.*, 1940, 111: 583-96.—**Sweet, G. B., & Robertson, C.** A case of congenital atresia of the jejunum (with recovery) *Arch. Dis. Childh.*, Lond., 1927, 2: 186-8. Also *N. Zealand M. J.*, 1927-28, 26: 128-31.—**Weeks, A., & Delprat, G. D.** Congenital intestinal obstruction; atresia of jejunum; report of 2 cases. *Surg. Clin. N. America*, 1927, 7: 1193-208.

Angioma.

Jagar, V. B. [Cavernous angioma of the jejunum as cause of fatal hemorrhage] *Arkh. pat. anat.*, Moskva, 1941, 7: 112-4.—**Kortzeborn, A.** Hämangiom des Dünndarmes. *Zbl. Chir.*, 1930, 57: 1042-8, pl.—**Merchant, F. T.** Intussusception due to hemangioma of the jejunum. *Arch. Surg.*, 1939, 39: 1031-40.

Cancer.

FLOTARD, M. *Contribution à l'étude de l'épithélioma du jéjunum. 141p. 25½cm. Lyon, 1939.

NEUGEBAUER, J. *Das primäre Carcinom des Jejunums. 22p. 22½cm. Bresl., 1936.

Barnhart, S. E. Carcinoma of the jejunum; report of a case. *J. Am. M. Ass.*, 1933, 101: 443.—**Bincer, W., & Pennecke, R.** [Primary, isolated, malignant granuloma of the jejunum] *Polska gaz. lek.*, 1934, 13: 674-7.—**Bollag, L.** Primäres Jejunum-Karzinom. *Schweiz. med. Wschr.*, 1933, 63: 1097-9.—**Brooks, C. D., Clinton, W. R., & Ashley, L. B.** Primary carcinoma of the jejunum. *J. Michigan M. Soc.*, 1938, 37: 795-7.—**Brooksher, W. R.** Primary carcinoma of the jejunum. *South. M. J.*, 1940, 33: 238-41.—**Cameron, A. L.** Primary malignancy of the jejunum and ileum. *Ann. Surg.*, 1938, 108: 203-20.—**Carter, R. F.** Carcinoma of the jejunum; report of 3 cases. *Ibid.*, 1935, 102: 1019-28.—**Castelli, C.** Sindrome di Freud in un caso di carcinoma del digiuno. *Radiol. med.*, Milano, 1926, 13: 421-7.—**Cave, H. W.** Carcinoma of the jejunum; report of 3 cases. *Ann. Surg.*, 1935, 102: 1097-101.—**Christofferson, E. A., & Jacobs, M. B.** Primary adenocarcinoma of the jejunum with perforation; report of a case with clinicopathologic notations. *J. Am. M. Ass.*, 1939, 112: 1576-9.—**Cornell, N. W., & Hauser, L. A.** Primary adenocarcinoma of the jejunum; report of a case. *Am. J. Surg.*, 1941, 53: 177-80.—**Craig, W. J.** Primary carcinoma of the jejunum; a case report. *Brit. J. Radiol.*, 1941, 14: 210-2.—**D'Allaines, F.** Sur l'épithélioma primitif du jéjuno-ileon. *J. chir., Par.*, 1929, 33: 449-72.—**Dencks.** Carcinoma jejuni mit Perforation. *Med. Klin.*, Berl., 1927, 23: 109.—**Gábor, M. E., & Hiller, R. I.** Primary carcinoma of the jejunum. *Am. J. Surg.*, 1935, 27: 121-5.—**Gainey, J. J., & Friedland, L. M.** Adenocarcinoma of the jejunum, treated by enterostomy and complicated by intussusception. *Ibid.*, 1940, 50: 112.—**Garcin, Gerest, & Mariel.** Cancer annulaire sténosant du jéjuno-ileon; entérectomie en un temps; guérison. *Loire méd.*, 1927, 41: 229.—**Geyman, M. J.** Carcinoma of the jejunum. *Radiology*, 1941, 36: 468-70.—**Harris, F. I., & Rosenblum, H.** Primary carcinoma of the jejunum; report of a case. *Arch. Surg.*, 1931, 23: 805-12.—**Harris, J. H., & Green, J. E.** Carcinoma of the jejunum; case report. *Am. J. Roentg.*, 1940, 43: 383.—

Heggs, F. M. Carcinoma of the jejunum; acute intestinal obstruction. *Brit. J. Surg.*, 1938-39, 26: 532-9.—**Hellström, J.** Primary cancer in jejunum and ileum. *Acta chir. scand.*, 1927, 62: 465-82, pl.—**Hlavinka, F.** [Case of cancer of the jejunum] *Cas. lek. česk.*, 1937, 76: 1922-4.—**Hodgkins, E. M.** Primary carcinoma of the jejunum with report of 2 cases. *N. England J. M.*, 1936, 214: 477-80.—**Hundley, J. W.**, & **Bates, W.** Primary carcinoma of the jejunum; report of a case. *Ann. Int. M.*, 1938-39, 12: 128-35.—**Hunt, E. L.**, & **Kaneb, G. D.** Primary adenocarcinoma of the jejunum. *Tr. N. England Surg. Soc.*, 1940, 23: 207-19. Also *N. England J. M.*, 1941, 224: 353-7.—**Jetter, W. W.** Jejunal carcinoma; report of case. *N. York State J. M.*, 1939, 39: 1614-7.—**Jonas, E.**, **Steck, E. L.**, & **Brams, J.** Primary carcinoma of the jejunum. *Illinois M. J.*, 1936, 69: 444-7.—**Jones, T. E.**, & **Harris, I. E.** Primary carcinoma of the jejunum; report of case. *Am. J. Surg.*, 1939, 43: 769-72.—**Kahn, M.**, & **Bay, M. W.** Carcinoma of the jejunum. *Ibid.*, 1942, 58: 145-7.—**Kalayjian, B.** Carcinoma of the jejunum. *Radiology*, 1937, 29: 596-601.—**Karras, R. W.** Primary carcinoma of the jejunum. *Med. Bull. Veterans Admin.*, 1940-41, 17: 402.—**Kern, H. M.** Carcinoma of jejunum. *Surgery*, 1938, 3: 556-62.—**Kline, L. B.**, & **Schaefer, A. M.** A case report of primary adenocarcinoma of the jejunum. *Mil. Surgeon*, 1940, 86: 350-4.—**Kordenat, R. A.** Carcinoma of the jejunum; report of case. *Illinois M. J.*, 1934, 65: 218-21.—**Lee, A. E.** Primary carcinoma of the jejunum; reports of 2 cases. *Austral. N. Zealand J. Surg.*, 1938-39, 8: 88-90.—**Linton, R. R.**, **Holmes, G. W.** [et al.] Carcinoma of jejunum. *N. England J. M.*, 1942, 226: 734-6.—**Malerich, J. A.** Primary carcinoma of the jejunum with metastasis to the lung; report of a case. *Proc. Mayo Clin.*, 1934, 9: 40-2.—**Mayo, C. W.**, & **Netttrour, W. S.** Carcinoma of the jejunum. *Surg. Gyn. Obst.*, 1937, 65: 303-9.—**Miles, G.** Carcinoma of the jejunum. *Tr. Chicago Path. Soc.*, 1931, 13: 451.—**Mitchell, E. W.** Carcinoma of the jejunum. *Canad. M. Ass. J.*, 1934, 31: 395-7.—**Morrison, W. R.** High intestinal obstruction caused by primary carcinoma of the proximal jejunum. *Am. J. Surg.*, 1927, n. ser., 1: 154-9.—**Neiman, B.** Carcinoma of the jejunum. *In Path. Conf. (Jaffé, R. H.) Chic.*, 1940, 1043-5.—**Netttrour, W. S.** Carcinoma of the jejunum; report of case. *Proc. Mayo Clin.*, 1936, 11: 356-60.—**Newton, A.** Carcinoma of the jejunum. *Austral. N. Zealand J. Surgery*, 1931, 1: 103-6.—**Newton, F. C.**, & **Buckley, R. C.** Primary adenocarcinoma of the jejunum with a report of 2 cases. *N. England J. M.*, 1930, 202: 255-61.—**Palumbo, E.** Sopra un caso di adenocarcinoma primario del digiuno. *Riforma med.*, 1932, 48: 1294.—**Plunkett, J. E.**, **Foley, M. P.**, & **Snell, A. M.** Primary carcinoma of the jejunum. *Canad. M. Ass. J.*, 1936, 34: 289-93.—**Porzelt, W.** Beitrag zur Klinik des Jejunumkrebses. *Deut. Zschr. Chir.*, 1932-33, 238: 115-21.—**Powers, S.** Papillary adenocarcinoma of the jejunum; report of case and discussion from the Baylor Clinic. *Dallas M. J. J.*, 1943, 29: 48-50.—**Proescher, F.**, & **Muir, J.** Primary carcinoma of the jejunum; a case report. *Am. J. Cancer*, 1935, 24: 72-4.—**Ritter von Linhardt, S.** Zwei interessante Fälle von Dünndarmcarcinom. *Beitr. klin. Chir.*, 1928, 145: 182-90.—**Robertson, H.** Primary carcinoma of jejunum with later involvement of right ovary. *Bull. Guthrie Clin.*, 1932, 2: 33-5, pl.—**Ross, K.** Carcinoma of the jejunum and ileum. *Austral. N. Zealand J. Surg.*, 1931, 1: 217-20.—**Salmon.** Epithélioma du jejunum perforé en péritoine libre; résection large; survie. *Mém. Acad. chir., Par.*, 1939, 65: 495-500.—**Sangster, A. H.** A case of adenocarcinoma of jejunum. *Brit. M. J.*, 1943, 1: 12.—**Schlomovitz, B. H.**, & **Thompson, A. B.** Carcinoma of the jejunum. *Med. Bull. Veterans Admin.*, 1939-40, 16: 181-3.—**Soresi, A. L.** Chorionepithelioma of the jejunum. *Am. J. Cancer*, 1936, 28: 583-6.—**Traylor, G. A.** Cancer of the small intestine. *J. M. Ass. Georgia*, 1924, 13: 436-40 [Discussion] 444-8.—**Trempe, F.** Cancer du jejunum. *Laval mtd.*, 1942, 7: 284-9. Also *Union méd. Canada*, 1942, 71: 642.—**Weisz, M.** Jejunum-Adenokarzinom. *Röntgenpraxis*, 1936, 8: 28-31.—**Wilson, G. A.**, & **Owen, C. I.** Carcinoma of jejunum; case report. *Grace Hosp. Bull., Det.*, 1936, 20: 18-22.—**Wolfsohn, G.** Beitrag zur Kenntnis des Jejunalkarzinoms, mit Bemerkungen über die Krebsresistenz des Dünndarms. *Arch. Verdauungskr.*, 1928, 42: 464-75.

— Carcinoid.

Gáspár, I. Metastasizing carcinoid tumor of jejunum. *Am. J. Path.*, 1930, 6: 515-24, 3 pl.—**Mufson, S.**, & **Horowitz, E. A.** Intussusception of the jejunum due to carcinoid tumor. *N. England J. M.*, 1941, 224: 602-5.

— Cyst.

Achmatowicz, L. von. Ein Fall einer multilokulären endoteliellen Mesenterialeyste des Jejunums kompliziert durch Volvulus. *Zbl. Chir.*, 1935, 62: 2957-60.—**Perman, E.** Ueber multiple submuköse Chyluszysten des Jejunums. *Nord. med. ark.*, 1918-19, afd. 1, 51: 331-54.—**Portis, B.** Mesenteric cyst of the jejunum. *Tr. Chicago Path. Soc.*, 1923-27, 12: 311-3.

— Disease.

Bentley, F. H., & **Smithwick, R. H.** Visceral pain produced by balloon distension of the jejunum. *Lancet*, Lond., 1940, 2: 389-91.—**Browne, D. C.**, & **McHardy, G.** Primary lesions of the jejunum. *J. Am. M. Ass.*, 1940, 115: 2257-63.—**Kelly, R. E.** Three enteroliths in a single coil of jejunum. *Brit. J.*

Surg., 1932, 20: 168-70.—**Koppenstein, E.** [Roentgen diagnosis of 3 rare cases of jejunal abscesses] *Gyógyászat*, 1926, 66: 374-6.—**Latten, W.** Blutende Jejunalarvarizen; Beitrag zur Differentialdiagnose der Magen-Darmblutungen. *Zbl. Chir.*, 1935, 62: 1643-6.—**Priebus.** Eine Verwachsung zwischen Blinddarmspitze und Leerdarm durch ein 26 cm langes Band als Ursache eines tödlichen Kolikfalles. *Zschr. Veterinärk.*, 1928, 40: 212-21.—**Röttger, E. A.**, **Beguiristain, M. A.** [et al.] Aspectos clínicos de la aceleración del tránsito yeyunoileal. *Rev. san. mil., B. Air.*, 1941, 40: 889-99.—**Wail, S. S.** [Aspect of digestive leucocytosis in the jejunum in innervation disorders of the latter] *Ark. pat. anat.*, Moskva, 1939, 5: No. 2, 43-7.—**Wheeler, W. I. de C.** A case of actinomycotic ulceration of the duodenum and jejunum. *Brit. J. Surg.*, 1927-28, 15: 430-7.—**Yepes Cadavid, J.** Los vómitos biliosos clectivos por estenosis, adherencias o inflamaciones del asa yeyunal eferente de la boca anastomótica. *C Y M, Medellín*, 1942, 2: No. 17, 8-11.

— Diverticulum.

Ayerza, L., & **Guardado, J.** Oclusión incompleta del intestino delgado por diverticulitis del yeyuno. *Arch. argent. enferm. ap. digest.*, 1941-42, 17: 383-8.—**Beigler, S. K.**, **Bloom, A. R.**, & **Wruble, J.** Diverticulum of the jejunum, with case report. *Am. J. Surg.*, 1932, n. ser., 17: 109.—**Berry, J. A.** A case of multiple diverticula of the jejunum. *Lancet*, Lond., 1927, 2: 496.—**Boling, J. R.** Multiple diverticula of jejunum with resection. *J. Am. M. Ass.*, 1931, 96: 526.—**Brites, G.** Trois cas de diverticules du jejunum. *Fol. anat. Univ. conimbr.*, 1927, 2: No. 11, 1-8, 2 pl.—**Butler, R. W.** Traumatic rupture of intramural diverticula of the jejunum. *Brit. J. Surg.*, 1937-38, 25: 277-9.—**Case, J. T.** Jejuno-ileal diverticula. *Acta radiol.*, Stockh., 1926, 6: 230-40, 3 pl.—**Christ, A.** Multiple Divertikel des Jejunum; anatomische und klinische Beiträge zur Kenntnis eines seltenen Krankheitsbildes. *Deut. Zschr. Chir.*, 1932, 236: 560.—**Della Palma, A.** Considerazioni sopra un caso di diverticoli del digiuno. *Policlinico*, 1934, 41: sez. prat., 775-8.—**Devegney, F. E. C.**, & **Bailey, H.** Diverticulum of the jejunum. *Brit. M. J.*, 1942, 2: 98.—**Ducuing, J.** Diverticule opéré et guéri de l'angle duodéno-jejunal. *Presse méd.*, 1940, 48: 517.—**Flynn, R.** A case of ruptured jejunal diverticulum. *Austral. N. Zealand J. Surg.*, 1933, 3: 192-4.—**Fort, F. T.** Solitary jejunal diverticulum of long duration; complete intestinal obstruction; operation, recovery. *Tr. South. Surg. Ass.*, 1928, 41: 292-306, 2 pl.—**Fraser, I.** The diverticula of the jejunum-ileum. *Brit. J. Surg.*, 1933, 21: 183-211.—**Gerster, J. C. A.** Diverticula of the jejunum. *Tr. South. Surg. Ass.*, 1937, 50: 178-95. Also *Ann. Surg.*, 1938, 107: 783-800.—**Godard, H.** La diverticulose jejunale. *Rev. chir., Par.*, 1927, 65: 22-37.—**Bourdial, & Zourekatis, T.** Un cas de diverticulose jejunale. *Ann. anat. path.*, Par., 1932, 9: 311-5.—**Goinard, P.**, & **Courrier, R.** Sur la constatation de parasites dans des diverticules multiples du jejunum. *Ibid.*, 1929, 6: 189-96.—**Guthrie, D.**, & **Brown, M. J.** Diverticulosis of the jejunum; case report. *Bull. Guthrie Clin.*, 1937, 38, 7: 27-30.—**Heise, Hertzog, & Peppard.** Acute jejunal diverticulitis; generalized peritonitis; bronchopneumonia; presentation of a case. *Minnesota M.*, 1943, 26: 190.—**Johns, F. S.** Diverticula of the jejunum, with case report. *South. M. & S.*, 1937, 99: 265-8.—**Jones, T. J.**, & **Crile, G., jr.** Diverticula of the jejunum; report of 4 cases. *Am. J. Digest. Dis.*, 1936-37, 3: 120-2.—**Kozinn, P. J.**, & **Jennings, K. G.** Jejunal diverticulitis; its occurrence in a 2 year old girl. *Am. J. Dis. Child.*, 1941, 62: 620-3.—**Krogus, A.** [Acute intestinal obstruction from duodeno-jejunal diverticulum] *Fin. läk. säll. hand.*, 1926, 68: 835-47.—**Lambert, O.**, & **Surmont, H.** Un cas de diverticules multiples du jejunum-ileon; présentation de pièces opératoires. *Arch. mal. app. digest.*, Par., 1928, 18: 765-71.—**Larson, E. M.** Multiple diverticula of the jejunum. *Tr. West. Surg. Ass.*, 1937, 47: 41-9 [Discussion] 90-106. Also *West. J. Surg.*, 1938, 46: 127-31.—**Levy, J. S.**, & **De Groat, A.** Diverticula of the jejunum; a review of the literature and the report of 2 new instances. *Am. J. Digest. Dis.*, 1934-35, 1: 708-13.—**Merkelbach, O.** Jejuno-ileal Divertikel. *Zschr. klin. Med.*, 1933, 124: 426-34.—**Miller, A. M.** Isolated diverticulum of the jejunum. *Am. J. Surg.*, 1931, n. ser., 11: 116.—**Nath, V.** A case of jejunal diverticulosis. *Ind. M. Gaz.*, 1938, 73: 222.—**Noort, D. W. van** [Diverticulum of the jejunum] *Ned. tschr. geneesk.*, 1935, 79: 5232-6, pl.—**Ovens, G. H. C.** Acute diverticulitis of the jejunum. *Brit. J. Surg.*, 1942-43, 30: 239.—**Rosedale, R. S.** Jejunal diverticulosis. *Surg. Gyn. Obst.*, 1935, 61: 223-8.—**Lawrence, H. R.** Jejunal diverticulosis. *Am. J. Surg.*, 1936, 34: 369-73.—**Santoro, M.** Reperto radiologico ed operatorio di diverticolo del digiuno (considerazioni clinico-radiologiche) *Arch. radiol.*, Nap., 1926, 2: 121-7.—**Schoen, W.** Zur Frage der Klinik des Divertikels an der Flexura duodeno-jejunalis. *Gastroenterologia*, Basel, 1941, 66: 90-4.—**Smith, O.** [Case of jejunal diverticulum] *Nord. med.*, 1939, 3: 2541-3.—**Spackman, J. G.** Perforation of a jejunal diverticulum. *Ann. Surg.*, 1926, 84: 778-80.—**Süven, H. E. S.** A case of jejuno-diverticulitis. *J. Egypt. M. Ass.*, 1934, 17: 541-6.—**Swanberg, H.**, & **Montgomery, E. B.** Solitary diverticulum of the jejunum; report of a case diagnosed roentgenologically. *Radiology*, 1926, 7: 144-8.—**Tengwall, E.** Case of multiple diverticuli in the jejunum. *Acta chir. scand.*, 1931, 68: 162-70, 3 pl.—**Turner, P.** A case of multiple diverticula of the jejunum. *Guy's Hosp. Rep.*, Lond., 1939, 89: 32-46.—**Usland, O.** [Jejunal diverticula; cases] *Norsk mag. lægevid.*, 1930, 91: 101-12, pl.—

Van Ravenswaay, A. C., & Winn, G. W. Jejunal diverticula; a consideration of clinical symptomatology and case report. *Am. J. Digest. Dis.*, 1943, 10: 108-11.—**Zagami, A.** Sulla mesenterite retrattile; un caso di diverticolo infiammato del digiuno. *Policlinico*, 1937, 44: sez. chir., 550-7.

Enlargement.

Andrade, J. de. Mega-jejuno; em doente de lepra. *Rev. brasil. lepr.* 1940, 8: No. espec., 47-60.—**Brown, P. W., & Pemberton, J. D.** Megaduodenum and megajejunum. *Proc. Mayo Clin.*, 1943, 18: 109-12.

Fistula.

See also subheading Ulcer, peptic.

Bogdanov, G. M. [Clinical aspect of fistula gastro-jejuno-colic] *Vrach. delo*, 1940, 22: 607-10.—**Bornstein, M., & Weinschel, L. R.** Gastrojejuno-colic fistula; report of a case. *Am. J. Surg.*, 1941, 53: 333.—**Caciro, J. A.** Fistula traumática recto-yejunal. *An. Inst. clin. med.*, B. Air., 1935, 16: 553-8. Also *Bol. Soc. cir. B. Aires*, 1935, 19: 347-53.—**McDonald, Canmann** [et al.] Neonatal vomiting. *Case Rep. Child. Mem. Hosp. Chicago*, 1943, 2: No. 4, 5-8.—**Pauchet, V.** Traitement des fistules; gastro-jejuno-coliques. In *his Prat. chir. illust.*, 3. éd., Par., 1939, fasc. 9, 89-99.—**Pfeiffer, D. B., & Kent, E. M.** The value of preliminary colostomy in the correction of gastro-jejuno-colic fistula. *Ann. Surg.*, 1939, 110: 659-68.—**Troitsky, A. A.** [Cases of ulcerative gastro-jejunal fistulas] *Vest. khir.*, 1940, 60: 610-2.—**Walters, W., & Clagetti, O. T.** Gastro-jejuno-colic ulcer and fistula. *Am. J. Surg.*, 1939, 46: 94-102.—**Zelasco, A. M., Dallorso, J. B., & Schenone, A. A.** Fistula yeyuno-cólica y úlcera péptica del yeyuno consecutivas a la gastroenterostomía. *Sem. méd.*, B. Air., 1934, 41: pt 2, 322-4.

Foreign body and food bolus.

Goldberg, S. L., & Levan, A. Fish bone perforation of the jejunum. *Am. J. Surg.*, 1942, 58: 446.—**Lobingier, A. S.** Acute obstruction of the jejunum caused by a fibrous bolus. *Surg. Clin. N. America*, 1930, 10: 1099-102.—**Pop, A.** Einige Betrachtungen über die mechanische, durch einen Lebensmittelballen verursachte Okklusion des oberen Jejunums in Zusammenhang mit einem Fall. *Zbl. Chir.*, 1932, 59: 1675-8.

Hematoma.

Santoro, E. Occlusione intestinale acuta da ematoma sottosieroso ostruente del digiuno a patogenesi oscura. *Arch. ital. chir.*, 1928, 22: 645-57.—**Smith, R. P.** Intestinal obstruction due to submucosal hematoma of the jejunum in the new-born. *J. Kansas M. Soc.*, 1939, 40: 16.

Herniation.

Barnett, S. W. Hernia of the jejunum through an aperture in the mesentery of the small intestine. *J. Iowa M. Soc.*, 1934, 24: 202.—**Masson, J. C., & McIndoe, A. H.** Right paraduodenal hernia and hyperplastic tuberculosis of the ileum. *Proc. Mayo Clin.*, 1929, 4: 105. — Right paraduodenal hernia and isolated hyperplastic tuberculous obstruction: comment and report of case affecting jejunum and ileum; operation and recovery. *Surg. Gyn. Obst.*, 1930, 50: 29-39.—**Nikišin, F.** [Hernia of omental mesocolic bursa of jejunum with gastric incarcerated hernia] *Cas. lék. česk.*, 1927, 66: 429-31.—**Peretti, L.** Di una ernia endo-addominale nel tenue strozzata in un diverticolo anomalo a sede mesenterica. *Rass. internaz. clin. ter.*, 1934, 15: 77-89.

Ileus.

See also subheadings (Intussusception; Occlusion; Stenosis; Strangulation) also Ileus.

Badile, P. L. Sul comportamento del digiuno e del duodeno nella esclusione sperimentale chiusa previa attenuazione biologica del contenuto. *Arch. ital. chir.*, 1929, 24: 645-70.—**Bottin, J.** Experimentelle Untersuchungen über hohen Dünndarmverschluss beim Hund. *Zschr. ges. exp. Med.*, 1938, 104: 243-8. — Contribution à l'étude de l'obstruction intestinale haute expérimentale. *J. physiol. path. gén.*, 1939-40, 37: 1342-57.—**Chaikoff, I. L.** A review of experimental work on acute high intestinal obstruction. *Univ. Toronto M. J.*, 1929-30, 7: 130-5.—**Cole-Rous, M.** The cause of death in high acute intestinal obstruction. *S. Afr. M. J.*, 1934, 8: 909-12.—**Consulta** sobre occlusión intestinal alta. *Actual. méd. peru.*, 1942, 8: 5-9.—**Cooper, H. S. F.** The cause of death in high obstruction. *Arch. Surg.*, 1928, 17: 918-67.—**Dogliotti, A. M., & Mairano, M.** Nuove ricerche sperimentali sulle cause di morte nell'occlusione intestinale alta. *Minerva med.*, Tor., 1930, 21: 946-9.—**Jenkins, H. P.** Experimental ileus; high obstruction with the biliary, pancreatic and duodenal secretions short-circuited below the obstructed point. *Arch. Surg.*, 1929, 19: 1072-85.—**Jorge, J. M., & Brachetto-Brian, D.** El síndrome viscero-humeral en la occlusión intestinal alta. *Prensa méd. argent.*, 1934-35, 21: 840-2.—**Moene, I.** [Diagnosis of high ileus] *Med. rev.*, Bergen, 1933, 50: 289-301.—**Morton, J. J., & Pearce, H. E.** The similarity in effect of experimental high intestinal obstruction and high complete intestinal fistula. *Ann. Surg.*, 1931, 94: 263-8.—**Northrop, H. L.** High intestinal obstruction. *J. Am. Inst. Homeop.*, 1930,

23: 151-5.—**Ravenna, E.** Ileo da briglia comprimente il digiuno. *Pathologica*, Genova, 1930, 22: 581-7.—**Rivers, A. B., & Thiessen, N. W.** Obstruction of the upper portion of the small intestine; a clinical study. *Am. J. Digest. Dis.*, 1934-35, 1: 92-6.—**Roth, H. W., Seulberger, P., & Brandes, K.** Experimentelle Untersuchungen beim hohen Dünndarmverschluss; die Bakteriologie des hohen Dünndarmileus. *Beitr. klin. Chir.*, 1931-32, 154: 426-74.—**Searls, H. H.** The cause of death in simple high intestinal obstruction. *West. J. Surg.*, 1931, 39: 358-62.—**Seulberger, P.** Experimentelle Untersuchungen beim hohen Dünndarmverschluss. *Beitr. klin. Chir.*, 1929-30, 148: 583-629.—**Wangenstein, O. H., & Chunn, S. S.** Studies in intestinal obstruction; simple obstruction; a study of the cause of death in mechanical obstruction of the upper part of the intestine. *Arch. Surg.*, 1928, 16: 1242-55.

Ileus: Physiopathology.

Schnor, E. A study on the cause of death in high intestinal obstruction; observations on chlorine, urea and water. 176p. 8° Kbh., 1934.

Bandera, B. El descenso de los cloruros sanguíneos en las oclusiones altas y en los vómitos pertinaces. *Gac. méd. México*, 1930, 61: 49-54.—**Benedict, E. B., Stewart, C. P., & Cutner, P. N.** The rôle of bile in high intestinal obstruction. *Surg. Gyn. Obst.*, 1932, 54: 605-12.—**Bottin, J.** La mort à la suite d'une obstruction haute de l'intestin est due en première importance à une intoxication et secondairement à une déshydratation. *Rev. belge sc. méd.*, 1938, 10: 587-612. — Rôle de l'intoxication dans l'obstruction intestinale haute; sa démonstration par les transfusions sanguines et la circulation croisée. *Ibid.*, 1939, 11: 421-39.—**Braeys, E.** The formation of the toxic fluid found in isolated duodenojejunal loops. *Johns Hopkins Hosp. Bull.*, 1926, 39: 121-31. — Contribution to the study of toxic absorption from the intestinal tract in experimental high obstruction. *Ibid.*, 1927, 40: 33-8.—**Burget, G. E., & Martzloff, K.** A study of the closed loop of jejunum. *Abstr. Internat. Physiol. Congr.*, 1929, 13. Congr., 42.—**Burget, G. E., Martzloff, K.** [et al.] The closed intestinal loop; relation of intraloop (jejunum) pressure to the clinical condition of the animal. *Arch. Surg.*, 1930, 21: 829-37.—**Galli, G.** Ricerche embatteriológicas nell'occlusione sperimentale alta. *Arch. Soc. ital. chir.* (1925) 1926, 32: 632-6.—**Haden, R. L., & Orr, T. G.** Chemical findings in the blood of the dog after closed-loop obstruction of the jejunum. *J. Exp. M.*, 1929, 49: 955-8.—**Haerem, S., Dack, G. M., & Wilson, H.** Acute intestinal obstruction; the rôle of bacteria in closed jejunal loops. *Surgery*, 1938, 3: 333-8.—**Hill, F. C., & O'Connell, H. V.** Experimental administration of duodenal contents to dogs with acute high intestinal obstruction. *Arch. Surg.*, 1938, 37: 311-5.—**Jensen, H. J., & Firor, W. M.** Toxins of high intestinal obstruction. *Am. J. Surg.*, 1931, n. ser., 13: 281.—**Johnstone, P. N., Clasen, A. C., & Orr, T. G.** The rôle of the external secretion of the pancreas in experimental high intestinal obstruction. *Surg. Gyn. Obst.*, 1933, 57: 483-6.—**Melver, M. A., & Gamble, J. L.** Body fluid changes due to upper intestinal obstruction. *J. Am. M. Ass.*, 1928, 91: 1589-94.—**Saitô, S., & Matukura, S.** Experimental studies on acute intestinal obstruction; on the absorption of undigested protein from the intestine below the obstruction in cases of duodenal obstruction. *Jap. J. M. Sc.*, 1927-29, 1: Tr., Surg., 253-8.—**Schnor, E.** Untersuchungen über den Chlorgehalt der Gewebe bei Ratten mit hoher Darmobstruktion. *Klin. Wschr.*, 1932, 11: 1026.—**Seulberger, P., Brandes, K., & Roth, W.** Experimentelle Untersuchungen beim hohen Dünndarmverschluss; zur Frage der Resorption beim hohen Dünndarmileus. *Beitr. klin. Chir.*, 1933, 158: 1-38.—**Yamamura, A.** Ein Beitrag zum Verhalten der isoelektrischen Punkte der Gewebe von Kaninchen mit hochsitzendem Ileus. *Jap. J. M. Sc.*, 1941, 9: Proc. Anat., 50.—**Yu, T.** The rôle of bile and external pancreatic secretion in experimental high intestinal obstruction. *Chiu. M. J.*, 1940, 58: 499-511.

Ileus: Treatment.

Armour, J. C., Brown, T. G. [et al.] Studies on high intestinal obstruction; the administration of saline and other substances by enterostomy below the site of obstruction. *Brit. J. Surg.*, 1930-31, 18: 467-78.—**Carlson, H. E., & Orr, T. G.** Experimental obstruction of jejunum; effect of administration of water on length of life and changes in chemical composition of blood. *Arch. Surg.*, 1934, 28: 292-5.—**Dogliotti, M., & Mairano, M.** Sul meccanismo d'azione e sulle vie di eliminazione del cloruro di sodio nel trattamento dell'occlusione intestinale alta con soluzioni ipertoniche. *Gior. Acad. med. Torino*, 1929, 92: 470-4. — Le soluzioni ipertoniche di loruro di sodio nella cura della occlusione intestinale alta; la nostra ipotesi sul loro meccanismo d'azione. *Minerva med.*, Tor., 1930, 21: 459-66.—**Figurelli, G.** Sull'uso del cloruro di sodio, ad alte dosi ed in soluzioni ipertoniche, nelle occlusioni intestinali acute alte (duodenali) *Ann. ital. chir.*, 1929, 8: 1358-75.—**Giacobbe, C.** L'importanza dei cloruri nelle occlusioni sperimentali acute del digiuno. *Gior. med. Alto Adige*, 1930, 2: 171-87.—**Jenkins, H. P.** Experimental ileus; high obstruction with the biliary, pancreatic and duodenal secretions, along with food and sodium chloride entering the bowel below the obstructed point. *Arch. Surg.*, 1932, 25: 849-62. — & **Beswick, W. F.** Experimental ileus;

prolongation of life for 70 days after high intestinal obstruction by administration of sodium chloride and nutritive material into intestine below the site of occlusion. *Ibid.*, 1933, 26: 406-29.—**Lion, R.** Une observation d'intoxication par occlusion intestinale haute, guérie par injections de chlorure de sodium à haute dose, suivies d'opération. *Bull. Soc. chir. Paris*, 1928, 20: 141-5. Also *Paris chir.*, 1928, 20: 53-5.—**Wohl, M. G., Burns, J. C., & Pfeiffer, G.** High intestinal obstruction in the dog treated with extract of adrenal cortex. *Proc. Soc. Exp. Biol.*, N. Y., 1937-38, 36: 549-51.—**Wood, E. H.** Chemical replacement in high intestinal obstruction. *Canad. M. Ass. J.*, 1933, 29: 415.

Injury.

Etchegorry, F. Heridas múltiples de la primera asa yeyunal; su tratamiento. *Arch. urug. med.*, 1941, 19: 623-7.—**Merkel.** Ueber eine seltene Form von Stichverletzung des Jejunums und dessen forensische Würdigung. *Deut. Zschr. gerichtl. Med.*, 1939, 31: 281-4.

Intubation.

HIRSCHELMANN, F. *Ueber einige besondere Indikationen der Jejunalsondenbehandlung. 19p. 21cm. Rost., 1937.

Bisgard, J. D. Gastrostomy; jejunal intubation. *Surg. Gyn. Obst.*, 1942, 74: 239-41.—**Bockus, H. L.** Jejunal feedings, peroral. In *Cyclop. Med. (Piersol-Bortz)* Phila., 1939, 5: 232.—**Rehder.** Die jejunale Sonde. *Med. Klin.*, Berl., 1930, 26: 662.

Intussusception.

Arrigoni, G. Invaginazione abituale duodeno-digiunale. *Gazz. internaz. med. chir.*, 1935, 43: 309-11.—**Cameron, J. A. M., & Macfarlane, W. D.** Intussusception of jejunum into stomach through a gastro-enterostomy stoma. *Brit. J. Surg.*, 1935-36, 23: 274-6.—**Chamberlin, G. W.** Chronic recurrent jejuno-gastric intussusception through a gastro-enterostomy stoma. *Am. J. Surg.*, 1940, 49: 510-2.—**Chesterman, J. T.** Retrograde jejuno-gastric intussusception. *Brit. J. Surg.*, 1934, 21: 541.—**Coleman, E. P., Maguire, R. H., & Bennett, D. A.** Recurring jejunal intussusception. *Tr. West. Surg. Ass. (1940)* 1941, 50: 454-63. Also *Am. J. Surg.*, 1941, 53: 340-4.—**Ducey, E. F., & McNamara, W. L.** Retrograde jejuno-gastric intussusception through a gastro-enterostomy stoma. *Ann. Surg.*, 1937, 105: 461-3.—**Freilich, E. B., & Coe, G. C.** Jejunal intussusception. *Ibid.*, 183-91.—**Gottesman, J.** Intussusception of jejunum following gastroenterostomy. *J. Am. M. Ass.*, 1936, 106: 1895.—**Hempel, C.** Ueber eine schonende Methode der Desinvagination des Dünndarms beim akuten Invaginationileus. *Zbl. Chir.*, 1941, 68: 746.—**Henschen, C.** Durch Magenresektion geheilter Fall von Invaginatio gastro-duodenojejunalis. *Schweiz. med. Wschr.*, 1927, 57: 1056.—**Ibos, P., & Legrand-Desmons.** Invagination jéjunale aiguë chez un adulte. *Bull. Soc. nat. chir., Par.*, 1929, 55: 1277-80.—**Lesser, A., & Kaufman, L. R.** Acute appendicitis with jejunal intussusception and abdominal lymphadenitis occurring in a child immobilized in a spica plaster cast. *N. York State J. M.*, 1938, 38: 1285.—**Lewis, J. H.** Jejunal intussusception of the newborn. *Am. J. Dis. Child.*, 1939, 58: 558-63.—**Marr, N. G., & Marxer, O. A.** Intussusception of the jejunum. *Lancet, Lond.*, 1932, 2: 392.—**Peixoto, G.** Invaginación crónica do jejuno. *Rev. med. mil. Rio*, 1935, 24: 12-9.—**Pennefather, A. L.** Intussusception of the jejunum into the stomach through a gastro-enterostomy stoma. *J. R. Army M. Corps*, 1936, 66: 193.—**Ryan, T. F. J., & Morgan, J. W. P.** Acute primary intussusception of the jejunum. *Brit. M. J.*, 1939, 1: 613.—**Shackman, R.** Jejuno-gastric intussusception. *Brit. J. Surg.*, 1939-40, 27: 475-80.—**Thorleifson, W. H.** A case of intussusception of the jejunum. *Canad. M. Ass. J.*, 1929, 20: 395.

Lipoma.

Forni, G. Invaginazione cronica remittente del digiuno da lipoma intraparietale; enterectomia; guarigione (contributo allo studio dei lipomi dell'intestino). *Ann. ital. chir.*, 1930, 9: 556-74.—**Meldolesi, G.** Contributo allo studio del quadro radiologico dell'invaginazione intermittente digiuno-digiunale da tumore (fibrolipoma) intraparietale. *Riv. radiol.*, 1931, 6: pt 2, 377-91.

Lymphosarcoma.

Brodin, P., Lardennois, G., & Tédesco, B. Lymphosarcome du jéjunum. *Arch. mal. app. digest., Par.*, 1937, 27: 447-50.—**Chigot, P. L.** Anatomose jéjuno-caecale pathologique. *Ann. anat. path.*, Par., 1936, 13: 515-8.—**Finsterer, H.** Ueber Dünndarmsarkome; achtjährige Heilung eines Lymphosarkoms des Jejunums. *Med. Klin., Berl.*, 1933, 29: 485-7.—**Greenfield, H.** Early roentgen diagnosis of jejunal lymphosarcoma; report of case. *Am. J. Roentg.*, 1936, 36: 674-7.—**Jackson, A. S.** Lymphosarcoma of the jejunum; a case report. *Wisconsin M. J.*, 1938, 37: 478-80.—**Nobo, P. P., Sotolongo, R.** [et al.] Linfosarcoma de la segunda asa yeyunal. *Bol. Liga cáncer, Habana*, 1938, ed. cient., 13: 203-8.—**Shulman, S.** Primary lymphosarcoma of the jejunum. *Am. J. Roentg.*, 1941, 46:

182-4.—**Svien, H. J., & Rivers, A. B.** Lymphosarcoma causing obstruction at the duodenojejunal angle; report of case. *Am. J. Digest. Dis.*, 1942, 9: 45-7.—**Taylor, E. H.** Lymphosarcoma of the jejunum. *N. England J. M.*, 1933, 208: 642.—**Weinstein, M. L.** Lymphosarcoma of the jejunum. *Am. J. Surg.*, 1932, 17: 355.

Myoma.

BEILER, K. H. *Ueber Myome des Dünndarmes in Anschluss an einen Fall von Fibro-leiomyom im Jejunum. 16p. 8° [Berl.] 1930.

Braine, J. Tumeur bénigne (léiomyome) de la partie supérieure de jéjunum, ayant entraîné une invagination avec accidents d'occlusion chronique de l'intestin. *Mém. Acad. chir., Par.*, 1935, 61: 1353-5.—**Dixon, C. F., & Steward, J. A.** Leiomyoma of the jejunum. *Surg. Gyn. Obst.*, 1933, 56: 801-4.—**Fossen, A., & Tjokronegoro, S.** Ein Fall von Fibromyoma jejuni subserosum. *Zbl. Chir.*, 1938, 65: 314-6.—**Pulver, W.** Verblutungstod durch Dünndarmtumoren; Fall eines teleangiektatischen Myoblastenmyoms im Zusammenhang mit ins Darmlumen eröffneten Jejunavenen. *Helvet. med. acta*, 1936, 3: 690-4.—**Silbermann, J.** Ueber einen Fall von Myoma jejuni. *Radiol. clin. Basel*, 1940, 9: 186-91.—**Sorkness, J.** Fibromyoma of the jejunum. *J. Lancet*, 1928, 48: 146.—**Vernengo, M. J., & Colillas, D.** Mioma del yeyuno. *Bol. Soc. cir. B. Aires*, 1935, 19: 39-47.

Occlusion.

See also subheading Ileus.

Allen, J. C. B. An unusual case of jejunal obstruction. *Med. J. Australia*, 1937, 1: 959.—**Bottin, J.** Survie très prolongée du chien porteur d'une obstruction intestinale haute. *C. rend. Soc. biol.*, 1936, 121: 1382-4.—**Dixon, C. F., & Weber, H. M.** Recurring obstruction from multiple non-neoplastic tumefactions of the jejunum. *Proc. Mayo Clin.*, 1936, 11: 717-20.—**Hoag, C. L., & Saunders, J. B. D. M.** Jejunoplasty for obstruction following gastroenterostomy or subtotal gastric resection. *Surg. Gyn. Obst.*, 1939, 68: 703-12.—**Nomura, M.** Ueber die Veränderungen des Fermentgehaltes der Schleimhaut in der ausgeschalteten Jejunumschlinge. *Bull. Nav. M. Ass., Tokyo*, 1937, 26: 1.—**Pauchet, V.** Comment éviter l'occlusion jéjunale post-opératoire. *Paris chir.*, 1927, 19: 124-7.—**Van Ravenswaay, A. C.** Two cases of chronic jejunal obstruction. *Surg. Clin. N. America*, 1935 15: 1447-58.

Paralysis.

Engstad, J. E. Spastic paralysis of the jejunum. *J. Am. M. Ass.*, 1928, 90: 2003-5.—**Schneider, E. H.** Paresis and obstruction of jejunum; secondary to hysterectomy. *Am. J. Surg.*, 1932, 18: 85.—**Soschink, S. J.** Early jejunostomy in paralytic ileus. *J. M. Soc. N. Jersey*, 1927, 24: 465-8.

Perforation and rupture.

See also subheadings (Foreign body; Ulcer)

Aird, R. Complete rupture of jejunum without external wound. *Brit. M. J.*, 1928, 2: 342.—**Armstrong, J. R.** Complete transverse rupture of the jejunum without external wound. *Ibid.*, 1: 1064.—**Brown, R.** Subcutaneous bursting of jejunum. *West. J. Surg.*, 1934, 42: 413-6.—**Cameron, H. F.** Traumatic rupture of the bowel at the duodenojejunal flexure with recovery. *Manitoba M. Ass. Rev.*, 1941, 21: 127-9.—**Christopher, F.** Rupture of the jejunum due to football injury. *Am. J. Surg.*, 1934, 25: 341.—**Counseller, V. S., & McCormack, C. J.** Subcutaneous perforation of the jejunum. *Ann. Surg.*, 1935, 102: 365-74.—**Diamond, J. C.** Traumatic rupture of the jejunum. *Canad. M. Ass. J.*, 1933, 29: 300.—**Dolan, H. F.** Subcutaneous rupture of the jejunum. *J. Iowa M. Soc.*, 1937, 27: 423-5.—**La Ragione, A.** Rottura sottocutanea del digiuno da calcio di cavallo. *Arch. ital. chir.*, 1936, 43: 115-24.—**Lawson, R. S.** Two cases of traumatic rupture of the jejunum without penetrating wounds of the abdominal wall. *Med. J. Australia*, 1940, 2: 408.—**Matthews, A. A.** Traumatic perforation of jejunum. *Surg. Clin. N. America*, 1933, 13: 161.—**Orndorff, J. R., & Mock, H. E.** Evisceration causing rupture of jejunum. *Ann. Surg.*, 1939, 110: 464-6.—**Ulrich, W. H., Webster, J. E., & Vale, C. F.** Subcutaneous rupture of the jejunum sustained in a game of football. *J. Am. M. Ass.*, 1938, 110: 1438.

Polypus.

Armingeat, J. Polype du jéjunum avec malformation de l'angle duodéno-jéjunal et invagination. *Bull. Soc. chir. Paris*, 1938, 30: 226-36.—**Asencio, F.** A case of jejunal polyposis. *Bol. As. méd. Puerto Rico*, 1941, 33: 285-8.—**De Tarnowsky, G., & Sarma, P. J.** Polyp of the jejunum causing intussusception. *Surg. Clin. N. America*, 1934, 14: 879-81.—**Fiori, P.** Polipo gastrico a sede digiunale. *Arch. ital. chir.*, 1938, 52: 103-8.—**Washburn, W. W.** Multiple polyps of jejunum; with intussusception; report of case. *California West. M.*, 1929, 30: 260.—**Wybert, A., & Lascano González, J. C.** Oculsion yeyunal por polipos. *Arch. argent. enferm. ap. digest.*, 1936-37, 12: 422-32.

Radiology.

Den, O. [X-ray observations of jejunal disease] Vest. rentg., 1927, 5: 289-94. pl.—Milani, E. La radiologia normale del tenue (digiuno-ileo) Arch. radiol., Nap., 1926, 2: 3-49.—Ritvo, M. Roentgen diagnosis of lesions of the jejunum and ileum. Am. J. Roentg., 1930, 23: 160-9.

Sarcoma.

Brink, J. R., & Laing, G. H. Leiomyosarcoma of the jejunum. Tr. Chicago Path. Soc., 1933, 14: 103-5.—Cattell, R. B., & Woodbridge, P. D. Leiomyosarcoma of the jejunum: postoperative renal suppression treated by paravertebral nerve block. Surg. Clin. N. America, 1931, 11: 363-70.—Federighi, G. Su di un caso di sarcoma perforato del digiuno. Arch. ital. chir., 1938, 52: 48-54.—Feyrter, F. Perforation eines Myosarkoma jejuni in den Darm und in die Bauchhöhle. Wien. med. Wschr., 1928, 78: 1041.—Goldsmith, R. Leiomyosarcoma of the jejunum. Ann. Surg., 1936, 104: 148-51.—Jones, W. C., Dowlen, L. W., & Rand, F. H. Amelanotic melanosisarcoma of the jejunum; report of a case. Pull. Jackson Mem. Hosp., Miami, 1942, 4: 34-6.—Leriche, R., & Brun, M. Fibrosarcome calcifié du jejunum; ablation. Lyon chir., 1934, 31: 479.—Magnusson, R. Sarcoma of the small intestine; in connection with a case of haemangiosarcoma of the jejunum. Acta chir. scand., 1933-34, 73: 576-90.—Matubara, I. Ueber einen Fall von Fibrosarkom des Jejunums. Zbl. Chir., 1934, 61: 20-3.—Tiprez, J., Driessens, J., & Omez, Y. Sarcome du jejunum. Bull. Ass. fr. cancer, 1939, 28: 473-9.—Villar, J. Sarcome de la première anse grêle; extirpation; guérison. Bordeaux chir., 1935, 6: 359.

Secretion.

Brendt, A. L., & Ravdin, I. S. The effect of histamine on jejunal secretion. Am. J. Physiol., 1934, 109: 587-91.—Bourns, T. L., Nasset, E. S., & Hettig, R. A. On the adaptive secretion of the glands of the jejunum. Ibid., 1936, 116: 563-73.—McGee, J. C., & Hastings, A. B. The carbon dioxide tension and acid base balance of jejunal secretions in man. J. Biol. Chem., 1942, 142: 893-904.

Stenosis and spasm.

Beloux, J. Sténose vraisemblablement spasmodique du jejunum. Arch. mal. app. digest., Par., 1937, 27: 740-5.—Brücke, H. von. Ueber ischämische Darmstenose. Arch. klin. Chir., 1935, 182: 95-106.—Cade, A., & Levrat, M. La symptomatologie pylorique dans les sténoses hautes du jejunum. J. méd. Lyon, 1929, 10: 509-13.—Iparraquirre, C., & González Bosch, R. Las estenosis altas del yeyuno. Día méd., B. Air., 1930-31, 3: 702-4.—Landau, A., & Glass, J. [Clinical investigations of stenosis of the upper portion of the intestinal tract; abscess of the juxta-pylorus with grave secondary anemia and acidosis] In Prace klin. Oddz. chor. wewn. Szpit. Wolski, Warsz., 1932, 442-50.—Landau, A., & Goldman, M. [Mechanism in the origin of hypochloremic azotemia in stenosis of the upper portion of the intestinal tract] Ibid., 953-5.—Mallet-Guy. Sténose haute de l'intestin grêle. Lyon méd., 1928, 142: 247-50.—Perry, A. C. Two cases of stricture of the jejunum. Lancet, Lond., 1927, 1: 226-8.—Scherer, E. Hyperchloremic Anämie und Dünndarmstricture. Klin. Wschr., 1930, 9: 790.—Wright, J. G. Stricture of the jejunum in a puppy; bowel resection; end to end anastomosis. Vet. J., Lond., 1936, 92: 259-61. 2 pl.

Surgery.

See also Gastrojejunostomy; Jejunostomy.

Adams, J. The surgery of the jejunum. Brit. M. J., 1926, 1: 646-8. Also Brit. J. Surg., 1926-27, 14: 343-58.—Gallagher, W. J. Effects of injections of acid and trauma on jejunal transplants to the stomach. Arch. Surg., 1928, 17: 279-88.—Lahey, F. H. A new plan for antecolic duodeno-jejunal anastomosis. Surg. Gyn. Obst., 1940, 70: 689-91.—Pierce, H. B., Nasset, E. S., & Murlin, J. R. Enzyme production in a transplanted loop of the upper jejunum. J. Biol. Chem., 1935, 108: 239-50.—Stefko, P., Andrus, W. DeW., & Lord, J. W., jr. The effects of jejunal transplants on gastric acidity. Science, 1942, 96: 208.—Takáts, G., & Mann, F. C. The effect of the jejunal mucosa of transplantation to the lesser curvature of the stomach. Ann. Surg., 1927, 85: 698-703.—Totten, H. P. Simplified aseptic gastrojejunal anastomosis using the Rankin clamp. Am. J. Surg., 1943, 60: 227-30.

Tumor.

See also other subheadings (Angioma; Cancer, etc.)

Cames, O., & Cid, J. M. Neuroblastoma del yeyuno. Prensa méd. argent., 1933-34, 20: 1485-90.—Johnson, J. A. Tumors of the jejunum. Minnesota M., 1937, 20: 621-4.—Ochsner, A., & Mahorner, H. R. The treatment of tumors of the jejunum and ileum. In Treat. Cancer (Pack & Livingston) N. Y., 1940, 2: 1280-306.—Saphir, O. Metastatic melanoma of the jejunum; report of a case. Arch. Path., Chic., 1927, 4: 22-5.—Sullivan, T. F. X., & Corcoran, W. L. Myxofibroma of the jejunum. N. York State J. M., 1942, 42: 149.

Ulcer.

See also Peptic ulcer.

CABY, F. H. M. *L'ulcère simple du jéjunolo-ileon. 151p. 8° Par., 1937.

Trösch, G. *Ulcusbehandlung durch die Verweiljejunalsonde. 23p. 21cm. Münch., 1937.

Alecha, J. M., & Jaroslavsky, L. Sobre un caso de peritonitis generalizada por perforación de una úlcera de yeyuno. Arch. Hosp. israel., B. Air., 1937, 1: 75-7.—Andrews, E. Jejunal ulcer. Surg. Clin. N. America, 1933, 13: 1201-12.—Ashcroft, A. T. Two cases of perforated jejunal ulcer. Brit. M. J., 1926, 1: 528.—Balfour, D. C. The occurrence and management of gastrojejunal ulcer. Ann. Surg., 1926, 84: 271-80.—Reconstructive operations for jejunal ulcer. Tr. Am. Surg. Ass., 1931, 49: 75-8. Also Ann. Surg., 1931, 94: 489-92.—Jejunal ulcer. Tr. South. Surg. Ass., 1935, 47: 247-59. Also Am. J. Surg., 1935, 28: 439-51.—Barber, W. H. Ulcer of the jejunum. Ann. Surg., 1926, 84: 621-3.—Benedetti-Valentini, F. Considerazioni sopra un caso di ulcera callosa e terebrante del digiuno. Policlinico, 1940, 47: sez. prat., 443-55.—Benedict, E. B. Jejunal ulcer; an analysis of 36 cases and study of the literature. Surg. Gyn. Obst., 1933, 56: 807-19.—Berry, L. H., & Dailey, U. G. Primary ulcer of the jejunum. Am. J. Digest. Dis., 1940, 7: 63-5.—Buckstein, J. The niche in the diagnosis of jejunal ulcer. Am. J. Roentg., 1932, 27: 59-64.—Roentgenologic evidence of healing of jejunal ulcer. Ibid., 1934, 32: 487-92.—Primary ulcer of the jejunum. Radiology, 1939, 33: 299-304.—Bufalini, M. Ulcera tuberculare alta del digiuno simulante ulcera duodenale. Riforma med., 1926, 42: 138.—Casanova Seco, A. Ulceras yeyunales y gastroyeyunales. Progr. clín., Madr., 1927, 35: 363; 410.—Christmann, F. E. Ulcera perforante por distensión de intestino delgado. Bol. Soc. cir. B. Aires, 1929, 13: 5-17.—Coletti, D. A. Ulcera primitiva perforata del digiuno. Policlinico, 1936, 43: sez. chir., 243-51.—Collin, E. N., & Ward, G. J. Current trends in the treatment of jejunal ulcer. Cleveland Clin. Q., 1942, 9: 159-64.—Connell, F. G. Jejunal ulcer. Tr. West. Surg. Ass., 1932, 42: 147-64. Also West. J. Surg., 1933, 41: 197-204.—Davies, R. P. P. Prognosis in jejunal ulcer. Lancet, Lond., 1935, 2: 678.—Desjardes, Dor & Doucet-Bon. Ulcère perforé du jejunum. Lyon chir., 1935, 32: 215-7.—Dowdle, E. Multiple, primary nonspecific jejunal ulcers, with chronic duodenal dilatation. Ann. Surg., 1942, 116: 348-54.—Ebeling, W. W. Primary jejunal ulcer. Ibid., 1933, 97: 857-74.—Estes, W. L., jr. Advanced gastro-jejunal ulcer. Ibid., 1932, 96: 250-7.—Fauley, G. B., & Ivy, A. C. Experimental jejunal ulcer. Proc. Soc. Exp. Biol., N. Y., 1929-30, 27: 182.—The factor of spasm in the etiology of jejunal ulcer. Am. J. Digest. Dis., 1937-38, 4: 160.—Gallagher, W. J., & Palmer, W. L. Experimental jejunal ulcer: relative importance of mechanical and chemical factors. Proc. Soc. Exp. Biol., N. Y., 1933, 30: 468-73.—Gatch, W. D., Smith, L. A., & Moser, R. H. The control of jejunal ulcer by deep Roentgen therapy, with case report. Tr. West. Surg. Ass. (1927) 1928, 37: 143-56.—Gelpi, W. R. Ulcera simple primaria del jejunum y perforación de jejunum. Gac. hosp., Ponce, 1939, 3: 139.—Gibbon, W. H. Gastro-jejunal ulcer. J. Iowa M. Soc., 1936, 26: 84-6.—Graham, R. R., & Lewis, F. I. Jejunal ulcer. J. Am. M. Ass., 1935, 104: 386-90.—Hall, D. P. Perforation of a primary jejunal ulcer. South. Surgeon, 1936, 5: 309-11.—Hampson, A. C. Jejunal ulcer associated with testicular pain. Brit. M. J., 1929, 1: 640.—Harris, J. H. Primary jejunal ulcer; a case report. Radiology, 1936, 26: 497.—Hinton, J. W. Marginal or jejunal ulcers. Surg. Clin. N. America, 1931, 11: 697-705.—Hofhauser, J. Ueber Ulcus simplex des Dünndarms auf Grund von zwei operativ geheilten Fällen. Arch. klin. Chir., 1928, 153: 46-52.—Hurst, A. F., & Stewart, M. J. Jejunal and gastro-jejunal ulcers. Lancet, Lond., 1928, 2: 742; 805.—Jenkins, H. P., & Palmer, W. L. Studies on experimental jejunal ulcer. Proc. Soc. Exp. Biol., N. Y., 1931, 28: 935.—Joll, C. Gastro-jejunal ulcer. Tr. M. Soc. London, 1938, 61: 67.—Jordan, F. M. Clinical aspects of gastrojejunal ulcer. Am. J. Surg., 1936, 31: 83-6.—Jordan, S. M. Observations on gastrojejunal ulcer. Surg. Clin. N. America, 1931, 11: 287-90.—Judd, E. S., & Hoerner, M. T. Jejunal ulcer. Ann. Surg., 1935, 102: 1003-18.—Kárpáti, O. [New method for the treatment of jejunal ulcers] Gyógyászat, 1935, 75: 651-3.—Neues Resektionsverfahren zur operativen Behandlung der Jejunalgeschwüre. Zbl. Chir., 1936, 63: 678-83.—Kelly, R. E. Jejunal ulcer and gastrocolic fistula. In Mod. Treat. Yearb., 1940, 5: 8.—Kostlivý, S. [Post-operative treatment of jejunal ulcer] Cas. lék. česk., 1933, 72: 1461-4.—Lahey, F. H. Gastrojejunal and jejunal ulcer. Surg. Clin. N. America, 1928, 8: 45-9.—Jordan, S. M. Gastrojejunal ulcers and gastrojejunocolic fistulae. Ann. Surg., 1928, 87: 231-44.—Lamson, O. F. Jejunal ulcer. Surg. Clin. N. America, 1927, 7: 1269-73.—Gastrojejunal ulcer. Ibid., 1933, 13: 95-9.—Lastra, J. S. Ulcera simple, estenosante del yeyuno que simula un cáncer del colon transverso. Bol. Liga cáncer, Habana, 1937, Ed. cien., 12: 355-64.—Lobingier, A. S. Perforating jejunal ulcer with spontaneous jejunocolic fistula; report of a case. West. J. Surg., 1935, 43: 305-12.—Lord, J. W., jr., Andrus, W. D., & Stefko, P. Effects of jejunal transplants on experimental production of peptic ulcers. Arch. Surg., 1943, 46: 459-64.—MacGuire, D. P. Gastrojejunal or

marginal ulcer. N. York State J. M., 1935, 35: 161-4.—**Maier, H. C., & Grossman, A.** Relation of duodenal regurgitation to the development of jejunal ulcers. *Surgery*, 1937, 2: 265-74.—**Mangione, G.** Sull'ulcera semplice primitiva del digiuno. *Arch. ital. chir.*, 1938, 52: 764-80.—**Moore, A. B., & Marquis, W. J.** The Roentgenologic diagnosis of gastrojejunal ulcer. *Am. J. Roentg.*, 1925, n. ser., 14: 432-5.—**Morrin, F. J.** Spontaneous perforation of primary jejunal ulcers. *Irish J. M. Sc.*, 1931, ser. 6, 198-213.—**Mullen, B. P.** Gastrojejunal ulcer. Northwest M., 1942, 41: 118.—**Nagel, G. W.** Simple inflammatory ulceration and stricture of the jejunum; report of a case successfully treated by operation. *West. J. Surg.*, 1933, 41: 159-62.—**Owings, J. C., & Smith, I. H.** Experimental production and cure of jejunal ulcers. *Proc. Soc. Exp. Biol.*, N. Y., 1932, 29: 832.—**Paus, N.** [Two perforating ulcers, one occurring in an old man, the other an ulcer of the jejunum] *Norsk. mag. lægevid.*, 1921, 32: 318-20.—**Pfeifer, D. B., & Kent, E. M.** Jejunal ulcer. In *Oper. Surg.* (Bancroft, F. W.) N. Y., 1941, 647-55.—**Pólya, J.** [Perforated jejunal ulcers] *Gyógyászat*, 1933, 73: 223.—**Puhl, H.** Primäres Jejunalgeschwür mit heterotoper Fundusschleimhaut (zugleich ein Beitrag zur Frage der klinischen Bedeutung akzessorischer Pankreasanlagen) *Deut. Zschr. Chir.*, 1933, 239: 624-40.—**Ravdin, I. S.** Primary ulcer of the jejunum. *Ann. Surg.*, 1927, 85: 873-8.—**Robinson, D. R., & Wise, W. D.** Simple non-specific ulcer of the jejunum. *Surg. Gyn. Obst.*, 1940, 70: 1097-9.—**Römcke, O.** [Enteritis ulcerosa jejuni] *Med. rev.*, Bergen, 1927, 44: 26-9.—**Kowlands, R. P.** Gastro-jejunal ulcer. *Brit. M. J.*, 1928, 1: 433-6.—**Scarlett, E. P., & Macnab, D. S.** An unusual sequence of events in a gastrojejunal ulcer. *Canad. M. Ass. J.*, 1937, 37: 366.—**Schiffman, M. J.** Production of experimental jejunal ulcer. *Proc. Soc. Exp. Biol.*, N. Y., 1940, 45: 592-4.—**Singer, H. A., & Meyer, K. A.** Perforation of jejunal ulcer into the free abdominal cavity. *Arch. Surg.*, 1934, 29: 248-63.—**Smith, B. C.** Primary perforated jejunal ulcer. *Ann. Surg.*, 1935, 101: 1225-49.—**Barber, W. H.** Primary jejunal ulcer. *Ibid.*, 1110.—**Smyth, M. J.** Gastro-jejunal ulcer. *Irish J. M. Sc.*, 1931, ser. 6, 553-63.—**Snyder, J. W.** Jejunal ulcer. *Bull. Jackson Mem. Hosp.*, Miami, 1940, 2: 37-44.—**Steinberg, M. E.** A proximal Y anastomosis for the treatment of jejunal ulcers. *West. J. Surg.*, 1941, 49: 301-3.—**Zeller, W. E., & Lockitch, R. J.** The factor of spasm in the etiology of experimental ulcer of the jejunum. *Ibid.*, 1936, 44: 434-6.—**Sternberg, W.** Jejunaleulcer-Genese und -Prophylaxe (neue Gesichtspunkte aus der Strömungsphysik) *Zbl. Chir.*, 1927, 54: 272-4.—**Trevor, D.** Some clinical features of perforated jejunal ulcers. *Lancet*, Lond., 1935, 1: 673.—**Vicente & Soldevilla, J. M.** Dos casos de úlcera gastroyejunal. *Med. ibera*, 1923, 17: 201-4.—**Walton, A. J.** Gastrojejunal ulceration. *Brit. J. Surg.*, 1934, 22: 33-55.—**Weber, F. P., & Huber, H.** Megalocytic anemia in a case of jejunal ulcer with fatal perforation. *Acta med. scand.*, 1940, 104: 543-9.—**Wilhelm, C. M., O'Brien, F. T.** [et al.] The rôle of the duodenal secretions in the prevention of experimental jejunal ulcer. *Am. J. Physiol.*, 1936, 117: 79-85.—**Wilkie, D. P. D.** Jejunal ulcer; some observations on its complications and their treatment. *Ann. Surg.*, 1934, 99: 401-9.—**Wilkinson, B. W.** Free perforation of jejunal ulcer. *Am. J. Surg.*, 1935, 29: 120.—**Williams, L. W.** Ruptured primary jejunal ulcer. *J. M. Ass. Georgia*, 1941, 30: 21.—**Wood, G. A., & Liston, E.** Ulcer of the jejunum; acute perforation. *California West. M.*, 1940, 53: 130.—**Wright, G.** Gastro-jejunal ulceration. *Canad. J. M. & S.*, 1928, 63: 8-18.—**Zemp, F. E.** Primary jejunal ulcer; report of a case with rupture and recovery. *Ann. Int. M.*, 1939-40, 13: 188-90. Also *South. M. J.*, 1940, 33: 803-9.

Ulcer, peptic.

See also subheading *Fistula*; also *Peptic ulcer*.

BLUM, G. *Ueber die zeitliche Entstehung des Ulcus pepticum jejuni. 41p. 22½cm. Berl., 1936.

GÖGER, R. *Das Ulcus pepticum jejuni und seine chirurgische Behandlung. 48p. 23cm. Berl., 1936.

RIOU, P. J. *La perforation en péritoine libre des ulcères peptiques jéjunaux et gastro-jéjunaux. 111p. 8° Par., 1937.

AKAGI, S. Experimental studies on pathogenesis of peptic ulcer of the jejunum. *Verh. Jap. chir. Ges.*, 1935, 36: 34.—**Alves de Lima, J., & Corrêa Netto, A.** Ulcera peptica do jejuno. *Ann. Fac. med. S. Paulo*, 1930, 5: 371-6.—**Amoureux, J.** Ulcère peptique du jéjunum; fistule gastro-jéjuno-colique. *Lyon méd.*, 1928, 142: 332.—**Bauer, K. H.** Weitere Erfahrungen mit dem Ulcus pepticum jejuni. *Zbl. Chir.*, 1937, 64: 1779-81.—**Berezov, E. L., & Rybinsky, A. D.** [Peptic ulcer of the small intestine] *Nov. khir. arkh.*, 1936, 36: 457-71.—**Borch-Johnsen, E.** Ein Fall von Ulcus pepticum jejuni duplex. *Acta chir. scand.*, 1935, 76: 431-3.—**Brahme, L.** Ueber eine Modifikation der bisherigen Behandlung von Ulcus pepticum sowie über vier geheilte Fälle von Ulcus pepticum jejuni. *Deut. Arch. klin. Med.*, 1936-37, 179: 581-9.—**Capua, A.** L'imagine ad anello nell'ulcera peptica del digiuno. *Rass. internaz. clin. ter.*, 1934, 15: 892-7.—**Chaul, H., & Adam, A.** Zur Röntgendiagnose des Ulcus pepticum jejuni. *Med. Welt*, 1931, 5: 1017; 1199.—**Corsellas, M. F.** Ulcera peptica del

yejuno; su diagnóstico radiológico. *Prensa méd. argent.*, 1936, 23: 64-70.—**Decker, P.** Contribution à l'étude de l'ulcère jéjunal peptique. *Schweiz. med. Wschr.*, 1930, 60: 775-8.—**Finsterer, H.** Ulcus pepticum jejuni recidivum. *Wien. klin. Wschr.*, 1928, 41: 932.—**Fischer, A.** [Peptic ulcer of the jejunum] *Gyógyászat*, 1932, 72: 369-74. Also *Zbl. Chir.*, 1932, 59: 790-7.—**Fromme, A.** Ueber primäre Resektion des in die freie Bauchhöhle geplatzten Ulcus pepticum jejuni. *Beitr. klin. Chir.*, 1929, 147: 111-5.—**Haberer, H.** Zur Frage des Ulcus pepticum jejuni. *Arch. klin. Chir.*, 1926, 140: 395-418.—**Ulcus jejuni perforatum, Uebernähung, keine Ausheilung, Radikaloperation.** *Zbl. Chir.*, 1935, 62: 2636-8.—**Hartung, U.** Ulcus jejuni pepticum. *Arch. klin. Chir.*, 1931, 165: 81-9.—**Heinatz, S. W.** Ueber das nichtoperative Ulcus pepticum jejuni. *Zbl. Chir.*, 1928, 55: 534.—**Hillemand, P.** A propos des ulcères peptiques du jéjunum. *Arch. mal. app. digest.*, Par., 1935, 25: 715-9.—**Hinterstoisser, H.** Ueber Ulcus pepticum jejuni. *Beitr. klin. Chir.*, 1928-29, 145: 594-8.—**Hug, O.** Peptische Erosionen im Jejunum. *Virchows Arch.*, 1939, 304: 190-202.—**Just, E.** Zur Frage des frei in die Bauchhöhle perforierten Ulcus pepticum jejuni. *Wien. klin. Wschr.*, 1929, 42: 500-2.—**Kaufmann, B.** Zur Behandlung des Ulcus pepticum jejuni. *Ibid.*, 1935, 48: 1426.—**Kelling, G.** Zur vereinfachten Operation des peptischen Jejunalgeschwürs. *Arch. klin. Chir.*, 1928, 153: 594-9.—**Koch, E.** Zur Frage der chirurgischen Behandlung des Ulcus pepticum jejuni. *Zbl. Chir.*, 1931, 58: 2753-5.—**Koch, J.** Erfahrungen mit der palliativen Resektion beim Ulcus pepticum jejuni. *Ibid.*, 1927, 54: 711-4.—**Krecke, A.** Ulcus jejuni pepticum. In his *Beitr. prakt. Chir.*, Münch., 1934, 227-9.—**Kreuter, E.** Ulcus pepticum jejuni und palliative Magenresektion. *Zbl. Chir.*, 1927, 54: 1504.—**Lefrançois, C., & Jutras, A.** L'ulcère peptique gastro-jéjunal. *J. Hôtel Dieu Montréal*, 1940, 9: 27-42.—**Mary & Fruchaud, H.** Remarques sur un cas d'ulcère peptique du jéjunum. *Arch. méd. Angers*, 1938, 42: 176-9 [Discussion] 201.—**Monasevich, A. U.** [Peptic ulcer of the small intestine] *Vest. khir.*, 1928, 13: No. 39, 97-101.—**Opokin, A. A.** [Gastroenteroanastomosis in peptic ulcers of the small intestine or anastomosis] *Nov. khir. arkh.*, 1938, 41: 50-66.—**Oschinsky, B.** Zur Genese und Prognose von Ulcus pepticum jejuni und Fistula gastrocólica. *Med. Welt*, 1932, 6: 122-5.—**Petrashvskaja, G. F.** [Peptic ulcer of jejunum] *Vest. khir.*, 1926, 5: pt 15, 150-64.—**Polacco, E.** Intervento radicale anche nell'ulcera peptica digiunale perforata in peritoneo libero. *Arch. ital. chir.*, 1938, 53: 904-10.—**Porzelt, W.** Das perforierte Ulcus pepticum jejuni im Gefolge des Zwölffingerdarmgeschwürsdurchbruchs. *Zbl. Chir.*, 1928, 55: 1740-2.—**Schlanger, P. M., & Schlanger, E. W.** Ulcera peptica del yejuno; su estudio radiográfico. *Prensa méd. argent.*, 1930-31, 17: 457-63.—**Schwarz, F.** Die Behandlung der freien Perforation des Magen- und Zwölffingerdarmgeschwürs und des Ulcus pepticum jejuni. *Beitr. klin. Chir.*, 1928-29, 145: 212-28.—**Sladký, F.** [Case of peptic ulcers of the jejunum]. *Cas. lek. česk.*, 1927, 66: 1305-12.—**Spath, F.** Ueber das in die freie Bauchhöhle perforierte Ulcus pepticum jejuni. *Deut. Zschr. Chir.*, 1927, 205: 113-9.—**Steden, E.** Ueber Ulcus pepticum jejuni mit Perforation in die freie Bauchhöhle. *Ibid.*, 1931, 230: 404-7.—**Viannay, C.** Quatre cas d'ulcère peptique du jéjunum. *Loire méd.*, 1932, 46: 393-414.—**Wu, P. P. T.** Reactions of contents of jejunum and experimental production of peptic ulcer. *Arch. Surg.*, 1935, 30: 557-62.—**Zanetti, S.** Il valore dell'indagine radiologica nella diagnosi dell'ulcera peptica digiunale. *Clinica, Bologna*, 1935, 1: 383-96.

Ulcer, postoperative.

See also *Gastrectomy*, *Sequelae: Peptic ulcer*; *Gastroenterostomy*, *Sequelae: Fistula and peptic ulcer*.

JOUCK, H. *Degastroenterostomie und Excision des Ulcus pepticum jejuni nach Gastroenterostomie. 46p. 8° Bonn, 1933.

KEUCK, E. *Zur klinischen Diagnose des Ulcus pepticum jejuni postoperativum [Rostock] 15p. 8° Gütersloh, 1935.

KUNTZMANN, J. L. *Contribution à l'étude de l'ulcère jéjunal post-opératoire. 50p. 8° Strasb., 1935.

MOLDAUER, J. *Häufigkeit und Ursachen des Ulcus pepticum jejuni nach Palliativresektionen. 32p. 8° Berl., 1933.

SIAN, J. *Formes hémorragiques de l'ulcère peptique post-opératoire gastro-jéjunal. 38p. 8° Lyon, 1935.

ABBATI, P. L'ulcera peptica digiunale postoperatoria nell'indagine radiologica (contributo personale) *Radiol. med.*, Milano, 1927, 14: 575-83.—**Agati, D.** Su di un caso di ulcera gastro-digiunale p. o.; cura medica; guarigione clinica e radiologica. *Arch. radiol.*, Nap., 1931, 7: 509-24.—**Alessandri, R.** Post-operative jejunal ulcer; pathogenesis; prevention; and treatment. *Long Island M. J.*, 1927, 21: 71-5.

L'ulcera peptica digiunale post-operatoria dopo estese reseziioni gastriche ampie. *Arch. ital. derm.*, 1936, 44: 702-4.—**Allen, N. M.** Postoperative jejunal ulcers. *Am. J. Surg.*, 1928,

- n. ser., 5: 128-33.—**Amorosi, O.** Sulla patogenesi dell'ulcera digiunale postoperatoria. *Ann. ital. chir.*, 1933, 12: 553-76.—**Andreou, C.** Ulcère peptique anastomotique. *Rev. chir.*, Bucur., 1940, 43: 248-52.—**Bachrach, W. H.** Studies on the etiology of postoperative jejunal ulcer. *Summaries* Doct. Diss. Northwest Univ., 1939, 7: 201-7.—**Baggio, G.** L'influenza che sulla produzione dell'ulcera digiunale viene esercitata dalla deviazione del contenuto gastrico. *Arch. ital. chir.*, 1924, 10: 339-54. — Per quali cause dobbiamo intendere che si formi un'ulcera digiunale post-operatoria? *Policlinico*, 1925, 32: sez. chir., 1-30, 4 pl. — Per l'idea della frequenza dell'ulcera digiunale post-operatoria e per il concetto della sua patogenesi e della sua cura. *Ibid.*, sez. prat., 703-6.—**Bloch, J. C., & Caroli.** Ulcère post-opératoire développé sur une anastomose de Delbet (gastro-pyloro-duodéno-jéjunostomie). *Arch. mal. app. digest.*, Par., 1937, 27: 559-64.—**Blond, K.** Ein weiterer Beitrag zur Genese der postoperativen Jejunalgescwüre. *Arch. klin. Chir.*, 1927, 144: 245-65.—**Börger, H.** Die örtlichen Ursachen der postoperativen Jejunalgescwürentstehung. *Zbl. Chir.*, 1942, 69: 1528-32.—**Bromley, L.** A case of gastro-jejunal ulcer following immediately after gastro-jejunostomy. *Guy's Hosp. Rep.*, Lond., 1930, 80: 227-9.—**Budisavljević, J.** Das postoperative Jejunalkulus und seine Behandlung. In *Baln. & Balneother.* Karlsbad (1930) 1931, 12: 211-26.—**Cantero, A., & Jutras, A.** L'histidine dans le traitement des ulcères gastriques duodénaux et post-opératoires jéjunaux. *Union méd. Canada*, 1937, 66: 151-9.—**Clavel, C.** Formes hémorragiques de l'ulcère peptique post-opératoire gastro-jejunal. *Rev. chir.*, Par., 1933, 71: 207-14.—**Demole, M., & Sarasin, R.** Ulcus peptique jéjunal traité avec succès par l'association d'histidine et de vitamine C. *Arch. mal. app. digest.*, Par., 1938, 28: 1083-8.—**Desjardes, & Meneault.** Perforation en péritoine libre d'un ulcère peptique post-opératoire jéjunal. *Lyon chir.*, 1939, 36: 371.—**Docimo, L.** Tentativi di cura peptica dell'ulcera digiunale post-operatoria; ricerche sperimentali sul potere antipeptico del siero di sangue. *Arch. ital. chir.*, 1932, 31: 367-84.—**Dogliotti, A. M.** Considerazioni a proposito di ulcere digiunali postoperatorie (risposta alle osservazioni critiche del prof. Gussio). *Policlinico*, 1926, 33: sez. chir., 82-6.—**Fauley, G. B., Ivy, A. C.** [et al.] An attempt to prevent post-operative jejunal ulcer by aluminum hydroxide therapy; an experimental study in Mann-Williamson dogs. *Am. J. Digest. Dis.*, 1938-39, 5: 792-5.—**Flechtenmacher, C., jr.** Ein Beitrag zur Rolle des unresorbierbaren Nahtmaterials in der Genese des Ulcus pepticum jejuni postoperativum. *Zbl. Chir.*, 1928, 55: 16-20.—**Flörcken, H., & Steden, E.** Beiträge zur Entstehung und Therapie des Ulcus pepticum jejuni nach Magenoperationen nach eigenen Erfahrungen und einer Umfrage bei 22 Chirurgen. *Arch. klin. Chir.*, 1926, 143: 173-84.—**Fohl, T.** Diagnose und Behandlung des Ulcus pepticum jejuni postoperativum. *Münch. med. Wschr.*, 1930, 77: 2175-8.—**Grossman, A.** Postoperative jejunal ulcer; a study of 23 cases operated upon at the Presbyterian Hospital, New York. *Ann. Surg.*, 1938, 108: 105-23.—**Gussio, S.** Alcune esperienze di esclusione medio-gastrica per lo studio della patogenesi dell'ulcera digiunale secondaria. *Arch. ital. chir.*, 1925, 11: 139-90. — Intorno alla patogenesi dell'ulcera digiunale secondaria (nuovi risultati e vecchia tecnica sperimentale relativamente alle affermazioni di Dogliotti e Riccio). *Policlinico*, 1925, 32: sez. chir., 557-76.—**Hertel, E.** Die Entstehungsursachen des postoperativen Jejunalgescwüres. *Mitt. Grenzgeb. Med. Chir.*, 1930-31, 42: 57-98.—**Kiefer, E. D.** Jejunal ulcers and recurrent hemorrhages after partial and subtotal gastrectomy for peptic ulcer. *J. Am. M. Ass.*, 1942, 120: 819-26; for certain corrections see p. 1238.—**Konietzky, G. E.** Der freie Durchbruch des Ulcus postoperativum jejuni und seine Behandlung. *Beitr. klin. Chir.*, 1934, 159: 297-301.—**Koppenstein, E.** Zur Röntgendiagnostik des Ulcus jejuni postoperativum. *Deut. med. Wschr.*, 1926, 52: 2027.—**Kostić, M.** Eigene Erfahrungen in der Behandlung der postoperativen Jejunalgescwüre. *Ibid.*, 1939, 65: 758-62.—**Laccetti, C.** Reintervento per via trans-gastrica in un caso di ulcera peptica post-operatoria del digiuno. *Ann. ital. chir.*, 1934, 13: 321-7.—**Léliche, R. A.** propos de 9 cas d'ulcère peptique sur bouche de gastro-jéjunostomie. *Lyon chir.*, 1927, 24: 676-81.—**Leveuf, J.** La perforation en péritoine libre des ulcères post-opératoires du jéjunum. *Rev. chir.*, Par., 1927, 65: 101-31.—**Lubbers, B. A.** Das Ulcus pepticum jejuni und die transgastrische Jejunostomie. *Zbl. Chir.*, 1935, 62: 1050-6.—**Lüdin, M.** Beitrag zur Röntgen-diagnose des postoperativen Ulcus pepticum jejuni. *Helvet. med. acta*, 1937, 4: 711.—**Lupacciolo, G.** La diagnosi radiologica delle ulcere digiunali post-operatorie e delle fistole gastro-digiuno-coliche (conferenza operatoria). *Radiol. med.*, Milano, 1932, 19: 1245-71.—**Luzzi, G. F.** Considerazioni sulle ulcere del neo-piloro. *Policlinico*, 1931, 38: sez. chir., 403-15.—**Makkas, M.** Die freie Perforation des postoperativen peptischen Jejunalgescwüres. *Beitr. klin. Chir.*, 1934, 159: 61-84.—**Marangos, G.** Erfahrungen über das postoperative Jejunalgescwür. *Ibid.*, 1936, 163: 571-87.—**Michaëlsson, E.** Fälle von Ulcus pepticum postoperativum jejuni bei Kindern nebst einem Beitrag zur Frage des Ulkus im Kindesalter. *Acta chir. scand.*, 1925-26, 59: 139-70.—**Mizoguti, S.** Experimenteller Beitrag zur Genese des sogenannten postoperativen peptischen Jejunalgescwüres, insbesondere über die Bedeutung der Acidität des Magensaftes. *Arch. klin. Chir.*, 1939, 195: 118-35. — Klinischer Beitrag zur Genese des sogenannten postoperativen peptischen Jejunalgescwüres, insbesondere über die Bedeutung der Acidität des Magensaftes. *Zbl. Chir.*, 1939, 66: 420-7.—**Montgomery, M. M., & Kirshbaum, J. D.** Jejunal, anastomotic, ulcer; a clinical and pathologic study with report of 8 cases encountered in 13,000 necropsies. *Arch. Int. M.*, 1941, 67: 609-19.—**Morioka, T.** Experimentelle Untersuchungen über die Beziehung zwischen dem postoperativen peptischen Jejunalgescwür und dem Lymphfollikel. *Arch. jap. Chir.*, 1938, 15: 326; 519; 737.—**Orndorff, J. R., Fauley, G. B., & Ivy, A. C.** The prophylactic value of gastric mucin in the therapy of post-operative jejunal ulcer; an experimental study in dogs. *Am. J. Digest. Dis.*, 1936-37, 3: 26-34.—**Orth, O.** Das postoperative Ulcus pepticum jejuni. *Vereinsbl. pfläz. Aerzte*, 1929, 41: 289-91.—**Pannett, C. A.** Ulceration following gastro-jejunostomy. *Lancet*, Lond., 1934, 2: 1306.—**Paolucci, F.** Ulcere duodenali e digiunali ottenute con la deviazione dei succhi alaleini duodenali. *Clin. chir.*, Milano, 1931, 34: 771-89.—**Pauchet, V.** L'ulcus jéjunal post-opératoire (Ulcus anastomotique). *Rev. techn. chir.*, Par., 1931, 23: 97-105.—**Peco, G.** La ulcera gastroyeyunal postoperatoria. *Tr. puh. clin. Escudero, B. Air.*, 1930, 4: 446-68.—**Philipowicz, L.** Rezidivierende Ulcera peptica jejuni postoperatoria bei Achylie. *Zhl. Chir.*, 1936, 63: 798.—**Romanis, W. H. C.** Secondary gastro-jejunal ulceration. *S. Thomas Hosp. Rep.*, Lond., 1937, 2, ser., 2: 158-64.—**Santy, P., Mallet-Guy, P., & Soustelle, J.** L'ulcère peptique post-opératoire du bord mésentérique du jéjunum. *Rev. méd.*, Par., 1936, 55: 287-98.—**Schwarz, E.** Ueber die Behandlung des postoperativen peptischen jejunum. *Ther. Gegenwart*, 1928, 69: 157-61.—**Scott, S. G.** Secondary jejunal ulcers and their radiological diagnosis. *Lancet*, Lond., 1926, 2: 222-4.—**Scott, W. J. M.** The relationship of nonabsorbable suture material to jejunal ulcer; an experimental study. *Arch. Surg.*, 1929, 18: 1584-93.—**Sighinolfi, P.** Ulcera peptica gastrodigiunale postoperatoria. *Riv. radiol.*, 1930-31, 2: 90-5.—**Simon, S. K.** Post-operative jejunal ulceration. *Tr. Am. Gastroenter. Ass.* (1925) 1926, 28: 71-82.—**Sokolov, S. E.** Beiträge zur Frage des Ulcus pepticum jejuni postoperativum auf Grund eines Materials von 134 Fällen russischer Chirurgen. *Arch. klin. Chir.*, 1927-28, 149: 230-73.—**Solé, R.** La ulcera peptica yeyunal en los gastrectomizados; su tratamiento por la doble anastomosis. *Bol. Soc. cir. B. Aires*, 1936, 20: 1276-95.—**Soupaull, R.** Jéjunite ulcéreuse post-opératoire. *Arch. mal. app. digest.*, Par., 1938, 28: 262-9.—**Spassokukotzky, S. I.** [Postoperative peptic ulcer of the small intestine]. *Vest. khir.*, 1929, 18: 10-7.—**Stefanini, P., & Bianchi, L.** Ulcere peptiche dopo resezione. *Boll. Acad. med. Roma*, 1936, 62: 309-64.—**Svab, V.** Signes radiologiques de l'ulcère peptique post-opératoire du jéjunum. *J. radiol. élect.*, 1934, 18: 65-72.—**Tanoda, M., & Yamamoto, S.** Ueber die Bedeutung des Magensaftes für die Pathogenese des Ulcus postoperativum jejuni. *Zhl. Chir.*, 1937, 64: 1643-8.—**Toro, N.** Influenza di alcuni aminoacidi sull'insorgenza dell'ulcera digiunale nel cane operato di derivazione dei succhi duodenali. *Arch. ital. chir.*, 1936, 42: 319-37.—**Uffreduzzi, O.** Considerazioni sull'ulcera peptica post-anastomotica con contributo di 30 casi. *J. internat. chir. Brux.*, 1936, 1: 431-55.—**Uihlein, A., & Walters, W.** Billroth I, Haberer, anastomosis for jejunal ulcer following previous gastric resection and posterior Polya anastomosis; report of 2 cases. *Proc. Mayo Clin.*, 1942, 17: 470-6.—**Urrutia, L.** L'ulcère jéjunal post-opératoire en Espagne. *Arch. mal. app. digest.*, Par., 1927, 17: 361-79. — Also *Arch. med.*, Madrid, 1927, 27: 48-55. — Also *Arch. Verdauungskr.*, 1927, 40: 339-56. — Also *Rev. cir.*, B. Air., 1927, 6: No. 12: 814-28.—**Viviani, R.** Contributo alla diagnosi clinica e radiologica dell'ulcera digiunale post-operatoria. *Radiol. med.*, Milano, 1928, 15: 429-53. — Ulteriore contributo alla conoscenza dell'ulcera digiunale post-operatoria e delle sue complicanze. *Bull. sc. med.*, Bologna, 1931, 103: 81-102.—**Weigel.** Insufflation du gros intestin comme moyen de diagnostic de la fistule gastro-coliche, suite d'ulcère jéjunal peptique post-opératoire. *Bull. Soc. électroradiol. méd. France*, 1938, 26: 532.—**Winkelbauer, A.** Zur Frage des postoperativen Ulcus pepticum jejuni. *Arch. klin. Chir.*, 1926, 140: 427-59.—**Starlinger, F.** Experimentelles zur Pathogenese des Ulcus pepticum jejuni postoperativum. *Ibid.*, 460-82.—**Zeno, A.** Perforación de una úlcera péptica yeyunal en un operado por úlcera perforada del duodeno. *Rev. med.*, Rosario, 1926, 1: 150-7.—**Zorokhovich, G. M.** [Etiopathogenesis of post-operative ulcer of the jejunum]. *Vrach. delo*, 1936, 19: 21-6.—**Zukschwerdt, L., & Eck, T.** Das postoperative peptische Magen-Darmgeschwür. *Deut. Zschr. Chir.*, 1932, 236: 424-64.

— Volvulus.

Brachetto-Brian, D. Vólvulos de la cuarta porción del duodeno y del yeyuno por coalescencia incompleta del duodeno, en un niño de seis años (consideraciones sobre patogenia). *Prensa méd. argent.*, 1926, 13: 337-40. — Also *Sem. méd.*, B. Air., 1926, 33: pt 2, 621-3.

JEKEL, Jerome Mohler, 1906— *Bladder tumors of epithelial origin; the pathology and report of 12 cases. 54p. 8°. Milwaukee, Marquette Univ., 1932.

JEKER, Louis [M. D., 1932, Basel] *Ueber die kernlosen Platten im Alveolarepithel der Lunge [Basel] p.65-80. 8°. Weimar, R. Wagner Sohn, 1932.

Also *Anat. Anz.*, 1933, 77:

JELEN, Heinz [Karl] 1909— *Kieferbrüche im Kindesalter [Leipzig] 22p. 8°. Zeulenroda i. Thür., A. Oberreuter, 1933.

JELENCICK, Erwin John, 1915— *Pneumococcal peritonitis; a review of the literature and presentation of a case [Milwaukee Co. Gen. Hosp.] 25 l. 28cm. Wauwatosa, 1940.

JELENOWICZ, Elkané, 1910— *Glaucome et circulation artérielle générale et locale [Paris] 62p. 8°. Arcueil, Imprimerie D'Arcueil, 1938.

JELGERSMA, Gerbrandus, 1859-1939. Atlas anatomicum cerebri humani. 11p. 108 pl. fol. Amst., Scheltema & Holkema [1931]

— The same. Description of the sections. 14p. fol. Amst., 1931.

— Das Gehirn der Wassersäugetiere; eine anatomische Untersuchung. 238p. illust. 8°. Lpz., J. A. Barth, 1934.

For biography see Geneesk. gids, 1935, 13: 215, portr. See also **Carp** [Obituary] Psychiat. neur. bl., Amst., 1940, 44: 17-9.

JELKE, Hugo. Ein mit A.-T.-10 behandelter Fall von idiopathischer Tetanie, samt einer Uebersicht über die Tetanien mit besonderer Hinsicht auf Pathogenese und Therapie. 92p. 8°. Helsin., Mercator, 1937.

Forms Suppl. 81, Acta med. scand.

— Ueber Hyperparathyreoidismus: ein operierter Fall mit schweren Nierenveränderungen. 67p. 6 pl. ch. 24cm. Helsin., Mercator, 1940.

Forms Suppl. 114, Acta med. scand.

JELLETT, Henry, 1872— A practice of gynecology. 5. ed. xiii, 744p. pl. 8°. Lond., J. & A. Churchill, 1925.

— The cause and prevention of maternal mortality. vii, 300p. 8°. Lond., J. & A. Churchill, 1929.

— A short practice of midwifery for nurses. 12. ed. xii, 483p. illust. diagr. 8 col. pl. 19cm. Lond., J. & A. Churchill, 1942.

See also **Marsh, N.**, & **Jellitt, H.** The nursing home murder. 286p. 8°. Lond. [1935]

— & **MADILL, David G.** A manual of midwifery for students and practitioners. 4. ed. xi, 1281p. 8°. Lond., Baillière, Tindall & Cox, 1929.

JELLIFFE, Smith Ely, 1866— Notes on the history of psychiatry [Collected reprints] v. p. 8°. S. Louis, 1910-17.

— Postencephalitic respiratory disorders; review of syndrome, case reports, physiopathology, psychopathology and therapy. ii, 135p. 8°. N. Y., Nerv. & Ment. Dis. pub. co., 1927.

— Psychopathology of forced movements and the oculogyric crises of lethargic encephalitis. vii, 219p. illust. 8°. N. Y., Nerv. & Ment. Dis. pub. co., 1932.

— The historical background of psychiatry. 36p. 12°. N. Y., D. Appleton-Century co., 1938.

— Sketches in psychosomatic medicine. v, 155p. illust. diagr. 23½cm. N. Y., Nerv. & Ment. Dis. pub. co., 1939.

Editor of **Meagher, J. F. W.** A study of masturbation and the psychosexual life. 3. ed. 149p. 8°. Balt., 1936.

Translator of **Dubois, P.** The psychic treatment of nervous disorders. 466p. 8°. N. Y., 1907.

[Bibliography] J. Nerv. Ment. Dis., 1939, 89: 575-89.— **Chiabov, A.** A group of works of Smith Ely Jelliffe, M. D. Psychoanal. Rev., 1936, 23: 59-67.

See also **Brill, A. A.** Jelliffe, the psychiatrist and psychoanalyst. J. Nerv. Ment. Dis., 1939, 89: 529-36.— **Casamajor, L.** Jelliffe, the man. Ibid., 543.— **Hutchings, R. H.** Jelliffe, the bibliomaniac. Ibid., 542.— **Jelliffe, S. E.** Glimpses of a Freudian Odyssey. Psychoanal. Q., 1933, 2: 318-29.— **Meyer, A.** Introductory words. J. Nerv. Ment. Dis., 1939, 89: 405-8.— **Riley, H. A.** Jelliffe, the neurologist. Ibid., 536-41.

Portrait. In Coll. Pharm. N. York (Wimmer, C. P.) N. Y., 1929, 84.

— & **WHITE, William A.** Diseases of the nervous system; a text-book of neurology and psychiatry. 5. ed. 1174p. 13 pl. 8°. Phila., Lea & Febiger, 1929. Also 6. ed. 1175p. 1935.

JELLINEK, Auguste.

See **Fröschels, E.**, & **Jellinek, A.** Practice of voice and speech therapy. 255p. 20½cm. Bost., 1941.

JELLINEK, Elvin Morton, 1890— Physiological studies in insulin treatment of acute schizophrenia. p.96-110; 278-85. 26cm. [Los Ang.] 1939.

Also Endocrinology, 1939, 25:

— Alcohol addiction and chronic alcoholism; ed. by E. M. Jellinek. xxv, 336p. illust. tab. diagr. 24½cm. N. Haven [Res. Coun. Probl. Alcohol] 1942.

See also **Haggard, H. W.**, & **Jellinek, E. M.** Alcohol explored. 297p. 22cm. Garden City, N. Y., 1942.

JELLINEK, Erich [M. D.], 1938, [Basel] *Ueber die Röntgensichtbarkeit der Wurzelfüllung [Basel] 10p. 5 pl. 23cm. Zagreb, N. Tiskara, 1938.

JELLINEK, Stefan, 1871— Der elektrische Unfall; skizziert für Ingenieur und Arzt. 142p. illust. 8°. Lpz., F. Deuticke, 1925.

— Elektroschutz in 132 Bildern. 32p., 132 pl. 8°. Wien, Deut. Verl. Jugend & Volk [1931]

— Elektrische Verletzungen; Klinik und Histopathologie. viii, 340p. 215 illust. 8°. Lpz., J. A. Barth, 1932.

JELLINGHAUS, Martin, 1913— *Die Knochennaht bei Kieferbrüchen. 24p. 23cm. Münch., J. B. Grassl, 1936.

JELLISON, William Livingston, 1906— & **GOOD, Newell E.** Index to the literature of Siphonaptera of North America. iv, 193p. 23cm. Wash., Gov. Print. Off., 1942.

Forms No. 178 of Nat. Inst. Health Bull. Also House Doc. No. 289, 1. Sess., 77. Congr.

JELLY.

See also **Colloid; Gelatin; Jam.**

Bradford, S. C. The sol-gel transformation and the properties of jellies. In Colloid Chem. (Alexander, J.) N. Y., 1926, 1: 751-66.— **Fantus, B.**, & **Dyniewicz, H. A.** Jellies, viscosities of. Bull. Nat. Formul. Com. U. S., 1938-39, 7: 289.— **Hanks, J. H.**, & **Weintraub, R. L.** Ionic exchange in relation to hydrogen-ion concentration and rigidity of silicic acid jellies. J. Phys. Chem., 1937, 41: 583-92.— **Liesegang, R. E.** Diffusion in jellies. In Colloid Chem. (Alexander, J.) N. Y., 1926, 1: 783-9.

JELLYFISH.

See **Coelenterata**.

JELSTRUP, Henrik Krenchel, 1858—

Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 595.

JEMERIN, Edward E., 1908—

See **Neuhof, H.**, & **Jemerin, E. E.** Acute infections of the mediastinum. 407p. 23½cm. Balt., 1943.

JEMINA, Marco Antonio, 1732-94.

Bertone, C. Nel bicentenario della nascita di Marco Antonio Jemina da Mondovì (1732-94) dei suoi studi sul carbonchio e dei medici ossidetti autosperimentatori. Riv. stor. sc. med., 1933, 24: 113-20.

JEMMA, Rocco, 1866-1934.

[Biografia] **Pediatria (Riv.)** 1934, 42: 686-91, portr. Also Riv. med. social. tuberc., 1934, 11: 323-5, portr.— **Professor (II)** Jemma nel xxx anno d'insegnamento. Ibid., 213-5.

Cerza, L. [Necrologio] **Athena, Roma**, 1935, 4: 586, portr. For portrait, see Bruxelles méd., 1937-38, 18: No. Spec. 1937, 49.

JEN, Chenkuo, 1909— *Ueber die Veränderung des Blutbildes bei Asthmatikern nach Bestrahlung der Milz mit Röntgenstrahlen. 10p. 8°. Tüb., A. Becht, 1935.

JEN, Hwei-Chia, 1909— *Le choléra à Shanghai dans ces dix dernières années (1926-35) 48p. 8°. Par., M. Vigné, 1937.

JENAER medizin-historische Beiträge. Hrsg. von Dr. Theod. Meyer-Steineg. H. 1-15. 15 Nos. illust. pl. 24½cm. Jena, G. Fischer, 1912-32.

CONTENTS

- H. 1. Chirurgische Instrumente des Altertums. Meyer-Steineg, T. 1912.
 H. 2. Darstellungen normaler und krankhaft veränderter Körperteile an antiken Weihgaben. Meyer-Steineg, T. 1912.
 H. 3. Kranken-Anstalten im griechisch-römischen Altertum. Meyer-Steineg, T. 1912.
 H. 4. Die hygienischen Anschauungen des römischen Architekten Vitruvius. Söllner, A. 1913.
 H. 5. Zur Geschichte des Ammenwesens im klassischen Altertum. Braams, W. 1913.
 H. 6. Die Lehre vom Star bei Georg Bartisch (1535-1606). Heinrich, C. 1916.
 H. 7-8. Das medizinische System der Methodiker. Meyer-Steineg, T. 1916.
 H. 9. Die geburtshilflichen Operationen und zugehörigen Instrumente des klassischen Altertums. Buchheim, E. 1916.
 H. 10. Die Verwundetenfürsorge in den Heldenliedern des Mittelalters. Haberling, W. 1917.
 H. 11. Die Funktion der Pulsadern und der Kreislauf des Blutes in altrabbinischer Literatur. Mendelsohn, S. 1920.
 H. 12. Körperkultur im Altertum. Jüthner, J. 1928.
 H. 13. Pädiatrie in Hellas und Rom. Ghinopoulos, S. 1930.
 H. 14. Virchow und die Grundlagen der Medizin des XIX. Jahrhunderts. Pagel, W. 1931.
 H. 15. Die Sinnesempfindungen in Ilias und Odyssee. Körner, O. 1932.

JENCIO, Horst, 1903- *Wann werden im Laufe der Pneumothoraxbehandlung chirurgische Eingriffe erforderlich und welcher Art sind diese? 12 eigene Fälle. 24p. 8° [Berlin] L. Schueler, 1927.

See also Härtel, F., & Jencio, H. Anleitung zur Schmerz- betäubung. 106p. 8° Dresd., 1936.

JENCKEL, Carla, 1912- *Untersuchungen über den Einfluss der seltenen Erden auf die Blutgerinnung. 19p. 22cm. Hamb., A. Preil- lipper, 1938.

JENCKEL, Walter, 1907- *Beitrag zur Kenntnis der Mikrognathia otocephalica [Göt- tingen] 15p. 8° Hamb., H. Christian, 1934.

JENDRASSIK, Ernő, 1858-1936.

Herzog, F. [Reminiscences of Ernő Jendrassik] Orv. hetil., 1936, 80: 955-8.—Zsakó, I. [Memory of Ernő Jendrassik] Budapesti orv. ujs., 1936, 34: 605.

JENDRASSIK maneuver.

See under Patella.

JENDT, Suzy [M. D., 1939, Genève] *De l'agranulocytose; considérations à propos de deux observations. 36p. 23cm. Genève, J. Guerry, 1939.

JENKE, Martin [M. D., 1931, Freiburg] *Ueber den Stoffwechsel der Gallensäuren [Freiburg] 44p. 8° Berl., F. C. W. Vogel, 1931.

JENKEL [Alma] Helene, 1906- *Ein Beitrag zur Kenntnis der Haematom-Blasen- mole (Breussche Mole) auf Grund der Unter- suchung zweier Fälle. 20p. 2 pl. 21½cm. Heidelb., A. Lippl, 1936.

JENKINS, George Bain, 1874- A manual of dissection. 298p. 8° Phila., Lea & Febiger, 1932.

JENKINS, George J., -1939.

For obituary see J. Lar. Otol., Lond., 1939, 54: 440.

JENKINS, Glenn Llewellyn, 1898- & **DUMÉZ, Andrew Grover.** Quantitative phar- maceutical chemistry, containing theory and practice of quantitative analysis applied to pharmacy. xxiii, 408p. 8° N. Y., McGraw- Hill book co., 1931. Also xxv, 466p. illust. tab. diagr. 1937.

JENKINS, Glenn Llewellyn, & HARTUNG, Walter Henry. The chemistry of organic medicinal products. xii, 457p. tab. diagr. 24cm. S. Louis, J. S. Swift co., 1941.

JENKINS, Hilger Perry, 1902- A terminol- ogy of operations of the University of Chicago clinics. xx, 98p. 8° Chic., Univ. Chicago [1935]

For portrait see Wisconsin M. J., 1942, 41: 695; 800.

JENKINS, John, 1869-1931.

For obituary see Brit. M. J., 1931, 1: 119.

JENKINS, Marion, 1897- *The effect of segregation on the sex behavior of the white rat as measured by the obstruction method [Columbia Univ.] p.457-571. 8° Worcester, 1928.

Also Genet. Psychol. Monogr., 1928, 3:

JENKINS, Stephen Rice, 1858-1929.

For obituary see Canad. M. Ass. J., 1929, 21: 620, portr.

JENKINS, Thomas Nichols, 1892-

See Warden, C. J., Jenkins, T. N., & Warner, L. H. Com- parative psychology. 2v. 8° N. Y. [1935]

JENKINS, W. R.

Editor of Blake, E. H. Drainage & sanitation. 5. ed. 563p. 8° Lond. [1936]

JENKS, Albert Ernest, 1869-

For portrait see Collection in Library.

JENKS, William J., 1822-1904.

For biography see First Century (Philadelphia Coll. Pharm.) Phila., 1922, 364, portr.

JENNEN, Friedrich, 1906- *Die ver- breiterte Anfangesschwankung im Elektrokardio- gramm; ihre Bedeutung, Genese und Prognose für die Klinik der Schenkel- und Astblockierung. 45p. 21½cm. Köln, J. Borowsky, 1936.

JENNER, Andrew J. B. Essentials of a healthy home and wholesome food for everybody, especially for the working classes. xv, 120p. 12° Detr., J. B. Eby & co., 1886.

— Long life and how to attain it. viii, 176p. 12° Detr., J. F. Eby & co., 1886.

JENNER, Bernd, 1907- *Endergebnisse nach Henle-Albee'scher Operation [Göttingen] 39p. 8° Quakenbrück, R. Kleinert, 1934.

JENNER, Edward, 1749-1823. The note-book of Edward Jenner, in the possession of the Royal College of Physicians of London; with an introduction on Jenner's work as a naturalist, by F. Dawtrey DREWITT. vi, 49p. portr. 8° Lond., Oxford Univ. pr., 1931.

See also Bertarelli, E. Edoardo Jenner e la scoperta della vaccinazione. 167p. 8° Milano, 1932. Also DREWITT, F. G. D. The life of Edward Jenner, naturalist, and discoverer of vaccination. 127p. 8° Lond., 1931. Also 2. ed. 151p. 8° N. Y., 1933. Also HALLOCK, G. T., & TURNER, C. E. Edward Jenner. 24p. 8° N. Y., Metropolitan Life Ins. co., 1926.

See also Address presented to Dr Edward Jenner by the Presidents and Members of the Physical Society of Guy's Hos- pital, Feb. 25, 1802 [Reproduction printed in Guy's Hosp. Gaz., Lond. 1923, Suppl.] See Collection in Library.—BAXTER, W. S. The life and works of Edward Jenner. S. Barth. Hosp. J., Lond., 1929-30, 37: 26-32.—Biografia. Diar. gen. cienc. méd., Barcel., 1832, 7: 25-31.—Biography. Cat. Portr. R. Coll. Surgeons, Lond., 1930, 39. Also Clin. M. & S., 1931, 38: 617-9. Also Bull. Am. Soc. Clin. Lab. Techn., 1935, 1: 163, portr.—Browne, B. Biography. Med. Press & Circ., Dub., 1934, 188: 206-9. Also in Brit. Masters of Med. (Power, D'A.) Balt., 1936, 64-70, portr.—Diploma presented to Dr Edward Jenner by the Physical Society of Guy's Hospital, Feb. 20, 1902 [Reproduction printed in Guy's Hosp. Gaz., Lond., 1923, Suppl.] See Collection in Library.—Greenwood, Biographie. Biol. méd., Par., 1939, 29: 374-411, portr.—Hale-White, W. Edward Jenner. In his Great Doctors. Med. Lond., 1935, 1-21.—Robinson, V. Edward Jenner. Med. Life, 1928, 35: 597-618, 2 portr.—Wallace, J. M. Biography. Brooklyn Hosp. J., 1941, 3: 233-6, portr.—Warren, C. W. Edward Jenner. Clifton M. Bull., 1927-28, 13: 55-61.

Also Barbillon. Edouard Jenner (1749-1823) et la vaccine. In his Etude crit. hist. méd., Par., 1930, 201-9.—Blackall, P. Jenner's life and work. Med. J. Australia, 1929, 2: 437-9. Crummer, Le R. Copy of Jenner note book. Ann. Med. Hist., 1929, n. ser., 403-28.—Darmstaedter, L. Ein Brief von Edward Jenner vom 12. VIII. 1805; als Beitrag zur Geschichte der Kuhpockenimpfung. Deut. med. Wschr., 1926, 52: 1350.—Edward Jenner; a great pioneer physician who conquered the scourge of smallpox. Hygeia, Chic., 1936, 14: 37, portr.—Hellman, C. D. Unpublished diary of Edward Jenner (1810-12) Ann. Med. Hist., 1931, n. ser., 3: 412-38.—Jenner and Napoleon. Lancet, Lond., 1939, 2: 349.—Keil, H.

A note on Edward Jenner's lost manuscript on Rheumatism of the Heart. *Bull. Hist. M.*, 1939, 7: 409-11.—**Lustig, A.** *Edoardo Jenner descritto da Ernesto Bertarelli*. Terapia, Milano, 1932, 22: 338-42.—**Nixon, J. A.** British prisoners released by Napoleon at Jenner's request. *Proc. R. Soc. M.*, Lond., 1938-39, 32: Sect. Hist. Med., 877-83.—**Pusey, W. A.** A visit to Jenner's home. *Hygieia*, Chic., 1936, 14: 630.

Rediscovery of Jenner portrait. *Lancet*, Lond., 1939, 1: 966, portr.—**Riddell, W. R.** Dr. Edward Jenner and the Canadian Pirate. *Canad. J. M. & S.*, 1929, 66: 103-7. Also *Med J. & Rec.*, 1930, 132: 456.—**Robinson, V.** Jenner and vaccination. In his *Pathfinders in Med.*, N. Y., 1912, 193-215, portr.—**Roddis, L. H.** Edward Jenner and the discovery of smallpox vaccination. *Mil. Surgeon*, 1929, 65: 645; 844; 1930, 66: 6.—**Smith, G. H.** Some physician friends of Joseph Parington, R. A. *Yale J. Biol.*, 1941-42, 14: 307-32.—**Spencer, W. G.** Eighteen letters written by Edward Jenner to Alexander Macleod between the years 1803-1814, presented to the Library of the Royal Society of Medicine by Dr William Pasteur. *Proc. R. Soc. M.*, Lond., 1926-27, 20: Sect. Hist. Med., 17-20.—**Turner, G. G.** The home of Edward Jenner; a peep into the past. *Univ. Durham. Coll. Med. Gaz.*, 1926-27, 27: 98-100, portr.—**Unpublished** (An) letter of Edward Jenner (1809) Isis, Bruges, 1929, 13: 16.—**Viets, H. R.** Jenner's home at Berkeley. *Bull. M. Libr. Ass.*, 1929, n. ser. 18: 41-5.—**Wendt, W.** One of the world's greatest benefactors. *Marquette M. Rev.*, 1936-37, 1: 37-9.—**Wishard, W. N., jr.** Edward Jenner; a great experimenter. *J. Indiana M. Ass.*, 1939, 32: 196-200.—**Inoculation of vaccine by Jenner** [photograph of statue by G. Monteverde]. See *Collection in Library*. Also *Medicina* (Avicenna, pseud.) *Tor.*, 1929, 433.

For portrait see *Deliber. Congr. dermat. internat.* (1935) 1936, 9. Congr., 4: 143. Also *Actas Ciba*, Rio, 1942, 9: 348. Also *Bull. Hist. M.*, 1942, 11: 246.

See also **Comparative** (A) statement of facts and observations relative to the cow-pox. 43p. 27½cm. Lond., 1800.

JENNER, Karl, 1902.—**Ueber Knöchelbrüche mit Heraussprengung eines hinteren Volksmannschen Dreiecks*. 24p. 8°. Bresl., Buchdr. Schles. Volksztg., 1930.

JENNER, Sir William, 1815-98.

For portrait see *Surg. Gyn. Obst.*, 1938, 66: No. 4, front.

JENNESS, Diamond, 1886—The Ojibwa Indians of Parry Island; their social and religious life. 115p. 8°. Ottawa, 1935.

Forms No. 78, *Bull. Nat. Mus. Canada*.

—The Indian background of Canadian history. 46p. 8°. Ottawa, 1937.

Forms No. 86, *Bull. Nat. Mus. Canada*.

—The Sekani Indians of British Columbia. 82p. 14 pl. map. 8°. Ottawa, 1937.

Forms No. 84, *Bull. Nat. Mus. Canada*.

—The Searce Indians of Alberta. vii, 98p. front. 8°. Ottawa, 1938.

Forms No. 90, *Bull. Nat. Mus. Canada*.

JENNINGS, Burgess Hill, 1903—& **LEWIS, Samuel Richard**. Air conditioning; principles and practice. 2. impression. xvi, 467p. illust. tab. diagr. 23cm. Scranton, Internat. textbook co., 1939.

JENNINGS, Casper Walker, 1893-1941.

For obituary see *North Carolina M. J.*, 1942, 3: 51.

JENNINGS, Charles Godwin, 1857-1936.

Waldrott, G. L. Obituary. *Tr. Am. Ther. Soc.*, 1936, 36: 13.—**Portrait**. In *Am. Coll. Physicians* (Morgan, W. G.) Phila., 1940, 45.

JENNINGS, Curtis Herman, 1876-1934.

Brown, P. Obituary. *Am. J. Roentg.*, 1935, 33: 244.

JENNINGS, Douglas, 1894—

Portrait. *South. M. & S.*, 1936, 98: 138.

JENNINGS, Edward J.

For portrait see *J. Am. Dent. Ass.*, 1942, 29: opp. p. 925.

JENNINGS, Frank Dorrer, 1880-1934.

Gordon, C. A. Master surgeons of America. *Surg. Gyn. Obst.*, 1938, 67: 258-60, portr.

[Obituary] *Bull. M. Soc. Co. Kings*, 1934, 13: 31, portr.

JENNINGS, Frank Lamont, 1889—

For portrait see *Month. Bull. Bd. Health Indiana*, 1942, 45: 257.

JENNINGS, George H., 1850-1934.

Gildersleeve, C. C. Biography. *Proc. Connecticut M. Soc.*, 1934, 142: 300-2.

JENNINGS, Hargrave, 1817-90. Rosierucians; their rites and mysteries. 2v. 8°. Lond., J. C. Nimmo, 1887.

—The same. *Die Rosenkreuzer; ihre Gebräuche und Mysterien*. Uebersetzt von A. v. d. Linden. 2v. in 1. vi, 224p.; iv, 274p. illust. 23½cm. Berl., H. Barsdorf, 1912.

JENNINGS, Helen Hall.

See **Moreno, J. L.** & **Jennings, H. H.** Who shall survive? 440p. 8°. Wash., D. C., 1934.

JENNINGS, Hennen, 1854—The McKay endowment and applied science at Harvard. 38p. 8°. [Wash., D. C. (?) privately printed, 1918]

JENNINGS, Henry B., 1860-1929.

For obituary see *Surg. J.*, 1927-29, 34: 305, portr.

JENNINGS, Herbert Spencer—Prometheus; or, Biology and the advancement of man. vii, 86p. 16°. N. Y., E. P. Dutton & co. [1925]

—The biological basis of human nature. xviii, 384p. 8°. N. Y., W. W. Norton & co. [1930]

—Genetic variations in relation to evolution; a critical inquiry into the observed types of inherited variation, in relation to evolutionary changes. 4p.; 138p. illust. diagrs. 8°. Princeton, N. J., Princeton Univ. pr., 1935.

—Genetics. xi, 373p. illust. diagr. 8°. N. Y., W. W. Norton & co. [1935]

—The beginnings of social behavior in unicellular organisms. 17p. 23cm. Phila., Univ. Pennsylvania press, 1941.

—The laws of heredity and our present knowledge of human genetics on the material side. p.3-73. 22cm. Wash., Catholic Univ. of America press, 1941.

In *Sc. Asp. Race Probl.* (Jennings, H. S., et al.)

—Inheritance in protozoa. p.710-71. 23½cm. N. Y., Columbia Univ. press, 1941.

In *Protozoa in Biol. Res.* (Calkins, G. N., et al.)

—**BERGER, Charles A.** [et al.] Scientific aspects of the race problem. ix, 302p. illust. diagr. 22cm. Wash., Catholic Univ. of America press, 1941.

See also **Reighard, J. E.** & **Jennings, H. S.** Dissection of the cat. 106p. 8°. N. Y. [1932]

For portrait see *Collection in Library*.

JENNINGS, Jesse D., 1909—

See **Setzler, F. M.** & **Jennings, J. D.** Peachtree Mound and Village Site, Cherokee County, North Carolina. 103p. 23½cm. Wash., 1941.

JENNINGS, Philip H. A microfauna from the Monmouth and basal Rancocas groups of New Jersey. 76p. 7 pl. 23½cm. Ithaca, N. Y. [Paleontol. Res. Inst.] 1936.

Forms No. 78, v.33, *Bull. Am. Paleontol.*

JENNINGS, W. Ivor. The law of public health, 1936. cxiii, 791p. 8°. Lond., C. Knight & co., 1936.

JENNINGS, William Barry, 1873-1929.

Felt, P. R. Obituary. *Proc. Connecticut M. Soc.*, 1929, 137: 226.

JENNY, Ernst [M. D., 1930, Basel] *Beitrag zur Kenntnis der Varianten der Gaucherschen und Niemann-Pickschen Krankheit [Basel] 32p. 8°. Weida i. Thür., Thomas & Hubert, 1930.

JENNY, Guy [M. D., 1938, Basel] *Todesfälle durch Somnifen unter besonderer Berücksichtigung der letalen Dosis. 24p. 24cm. Basel, H. Singenberger-Schaub, 1938.

JENNY, Hanns [M. D., 1936, Basel] *Klinische, röntgenologische und histologische Untersuchung über die Einwirkung der Walkhoffschen Jodoformpaste auf das apikale Granulationsgewebe nach Vorbehandlung der Wurzelkanäle mit Asphalin (Maillart) [Basel] 27p. 1 tab. 8°. Berl. [n. p.] 1936.

JENNY, Paul Henri Marc, 1906– *Les examens de médecine préventive et la tuberculose chez les étudiants. 50p. 8°. Strasb., Ed. Argentoratum, 1935.

JENOCH, Bernhard, 1909– *Die hygienische Bedeutung der Wandbekleidung von Innenräumen [Giessen] 50p. 20½cm. Bochum-Langendr., H. Pöppinghaus, 1937.

JENRICH, Franz, 1903– *Ueber die Häufung der Toxikosen im Sommer 1928 [Halle-Wittenberg] 31p. 3 ch. 8°. [Neuhaldensleben, W. Schwirkus] 1929.

JENRICH [Otto Erich] Adolf, 1897– *Zur Genese und Veränderung der Parotistumoren (Parotisendotheliome-Parotisepitheliome) [Göttingen] 30p. 6 pl. 8°. Brilon i. Westf., W. Wevers, 1926.

JENS, Kurt, 1912– *Die Häufigkeit der Verletzungen der Kiefer und Zähne im Vergleich zu anderen Verletzungen. 25p. 8°. Münch. [n. p.] 1935.

JENSCH [Klaus] Nikolaus Karl August, 1913– *Ueber die diagnostischen und therapeutischen Möglichkeiten der Pertubation. 19p. 20½cm. Bresl., E. Jakubik, 1937.

JENSEN, Arne Sigurd. Psychology of child behavior. xxi, 664p. diagr. 21cm. N. Y., Prentice-Hall, 1938.

JENSEN, Carl Oluf, 1864–1934.
For Festschrift see Acta path. microb. scand., 1934, Suppl. 18, portr.

See also **Thomsen, O.** [A retrospect on the occasion of Jensen's seventieth birthday] Acta path. microb. scand., 1934, Suppl. 18, 9–27.

Also **Bahr, L.** [Obituary] Deut. tierärztl. Wschr., 1934, 42: 161–3. Also Hospitalstidende, 1934, 77: 1005–10.—**Jensen, V.** [Obituary] Ugeskr. læger, 1934, 96: 1025.—**Murray, J. A.** [Obituary. Nature, Lond., 1934, 134: 524.—Obituary. Brit. M. J., 1934, 2: 535. Also Lancet, Lond., 1934, 2: 555.

JENSEN, Christian Andreas Theodor Wilhelm, 1900– *Die Anatomie der chronischen Cervix-Gonorrhoe. 66p. 8°. Kiel, Missionsbuchh. Breklum, 1932.

JENSEN, Claus, —1938. Die intrakutane Kaninchenmethode zur Auswertung von Diphtherietoxin und Antitoxin. 211p. 8°. Kbh., Levin & Munksgaard, 1933.

Forms Suppl. 14, Acta path. microbiol. scand.
See also **Madsen, T.** [Obituary] Ugeskr. læger, 1938, 100: 125.

JENSEN, Deborah MacLurg. Student's handbook on nursing case studies. 114p. 8°. N. Y., Macmillan co., 1929. Also 2. ed. 129p. illust. 8°. 1932.

— Nursing care studies. 3. ed. of Student's handbook on nursing case studies. [Rev. & reset] xvi, 197p. 20½cm. N. Y., Macmillan co., 1940.

— The principles and practice of ward teaching; a discussion of clinical teaching in nursing. 475p. incl. diagr. form. tab. 22½cm. S. Louis, C. V. Mosby co., 1942.

See also **Jensen, J., & Jensen, D. M.** Clinical nursing in medicine. 808p. 22cm. N. Y., 1941.

— & **JENSEN, Julius.** Medical nursing. vii, 267p. 49 illust. 8°. N. Y., Macmillan co., 1932.

JENSEN, Erich, 1909– *Die Grösse der Erythrocyten bei verschiedenen Krankheiten des Kindesalters. 24p. 8°. Marb., H. Bauer, 1935.

JENSEN, Eyvind Theodor, 1863–
Portrait. In Norges læger (Kobro, I.) Krist., 1915, 1: 595.

JENSEN, Friedrich, 1899–
See **Murphy, G., & Jensen, F.** Approaches to personality. 427p. 8°. N. Y., 1932.

JENSEN, Hanna Dorothea, Jaeger, 1864–
Portrait. In Norges læger (Kobro, I.) Krist., 1915, 1: 596.

JENSEN, Hans F., 1896– Insulin; its chemistry and physiology. xii, 252p. 8°. N. Y., Oxford Univ. pr., 1938.

JENSEN, Hans Friedrich, 1910– *Der Mucingehalt des Kammerwassers und der Glaskörperflüssigkeit; vergleichende Untersuchungen an 60 Rinderaugen. 12p. 21½cm. Gött., 1935.

JENSEN, Hans Peter, 1844–1913.
For biography see Hist. Med. Nebraska (Tyler, A. F.) Omaha, 1928, 67, portr.

JENSEN, Jens Lauritz Arup, 1858–97.
Portrait. In Norges læger (Kobro, I.) Krist., 1915, 1: 596.

JENSEN, Jens Olav, 1877–
Portrait. In Norges læger (Kobro, I.) Krist., 1915, 1: 597.

JENSEN, Johannes Martin Luther, 1906– *Carcinoma of the lip. 22p. 4°. Wauwatosa, Wisc. [n. p.] 1931.
Typewritten.

JENSEN, Julius, 1898– The heart in pregnancy. 371p. pl. tab. 8°. S. Louis, C. V. Mosby, 1938.

See also **Jensen, D. M., & Jensen, J.** Medical nursing. vii, 267p. 8°. New York, 1932.

For portrait see Wisconsin M. J., 1942, 41: 692; 797.

— & **JENSEN, Deborah MacLurg.** Clinical nursing in medicine; with an appendix of diets prepared by Howard A. Rusk and collaborators. xvii, 808p. illust. diagr. form. 22cm. N. Y., Macmillan co., 1941.

JENSEN, K. A. [M. D., 1927, København] *Undersøgelser over colibacillens normale vækstforhold. 96p. tab. diagr. 25½cm. Kbh., Levin & Munksgaard, 1927.

JENSEN, Kai, 1901– Differential reactions to taste and temperature stimuli in newborn infants. p.361–479. 8°. Worcester, Clark Univ., 1932.

Also Genet. Psychol. Monog., 1932, 12:

JENSEN, Kathryn Luella.
See **Nelson, Kathryn Luella Jensen.**

JENSEN, Kurt, 1910– *Biologische Leukozytenkurven bei chirurgischen Erkrankungen [Münster] 56p. 21cm. Greifswald, E. Hartmann, 1936.

JENSEN, Lauritz Thura Thrup, 1841–97.
Portrait. In Norges læger (Kobro, I.) Krist., 1915, 1: 597.

JENSEN, Lloyd B., 1896– Microbiology of meats. xi, 252p. illust. tab. diagr. col. pl. 23½cm. Champaign, Ill., Garrard pr., 1942.

JENSEN, Margarete, 1910– *Ueber die Wirkung phenylsubstituierter Derivate des β -Phenyläthylamins. 6p. 8°. Kiel, Schmidt & Klaunig, 1933.

JENSEN, Oluf, 1909– *Fremdkörper in der Speiseröhre. 15p. 8°. Kiel, Schmidt & Klaunig, 1934.

JENSEN, Peter Ølbye, 1799–1832.
Portrait. In Norges læger (Kobro, I.) Krist., 1915, 1: 589.

JENSEN, Robert Percival, 1875–1926.
For biography see Hist. Med. Nebraska (Tyler, A. F.) Omaha, 1928, 68: portr.

JENSEN, Rudolf, 1909– *Ueber die hohe Lumbalanästhesie mit Percain nach Jones. 24p. 23cm. Lpz., A. Edelmann, 1937.

JENSEN, Thomas, 1815–86.
Portrait. In Norges læger (Kobro, I.) Krist., 1915, 1: 598.

JENSEN, Viggo A. Clinical studies of tributary thrombosis in the central retinal vein. 193p. 7 pl. 8°. Kbh., Levin & Munksgaard, 1936.

Forms Suppl. 10, Acta ophth., Kbh.

JENSEN, Vilhelm, 1870–1938.
Iversen, P. [Obituary] Hospitalstidende, 1938, 81: 917, portr.

JENSEN, Walter Steen, 1894— Outline of neuropsychiatry. iv, 174p. 26cm. Randolph Field, Tex., School of Aviat. Med. 1937.

JENSENIUS, Vilhelm Bartolin, 1868— Portrait. In *Norges laeger* (Kobro, I.) Krist., 1915, 1: 598.

JENSEN-NELSON, Kathryn L.
See Nelson, Kathryn Lucila Jensen.

JENSEN'S tumor.

See under *Sarcoma*.

JENSS, Rachel Marie, 1903—, & **SOUTHER, S. P.** Methods of assessing the physical fitness of children. v, 121p. 8° Wash., 1940.
Forms Pub. No. 263, Child. Bur. U. S. Dep. Labor.

JENSSEN, Henrik Steffens Hagerup, 1846—1907.

Portrait. In *Norges laeger* (Kobro, I.) Krist., 1915, 1: 599.

JENSSEN, Jens, 1859—

Portrait. In *Norges laeger* (Kobro, I.) Krist., 1915, 1: 600.

JENSSEN, Sigurd, 1869—

Portrait. In *Norges laeger* (Kobro, I.) Krist., 1915, 1: 601.

JENSSEN, Walter, 1906— *Die spontane Oesophagusruptur [Marburg] 32p. 8° Grossenhain i. S., H. Plasnick, 1931.

JENTGEN'S Kunstseide und Zellwolle. Berl., v.25, 1943—

JENTJENS, Hermann, 1906— *Ein Beitrag zur Statistik des Lippenkarzinoms an Hand von 75 Fällen. 28p. 8° Bonn, H. Trapp, 1933.

JENTSCH, Margarete, 1910— *Zur Serodiagnostik der Gonorrhoe und ihrer klinischen Bedeutung [Berlin] 31p. 23cm. Charlottenb., K. & R. Hoffmann, 1937.

JENTZEN, Karl Herman, 1803—71.
Portrait. In *Portr. Svenska läk. apotek.* (Sjöberg, N.) Stockh., 1910, 58.

JENTZER, Albert, 1886— Indications opératoires d'urgence dans les lésions traumatiques fermées récentes du crâne et de l'encéphale. 108p. 8° Par., Masson & cie, 1935.

JENTZSCH [Hermann Ludwig] Martin, 1909— *Medizinalstatistische Untersuchungen in einer kleinen Landgemeinde (nach den Kirchenbüchern der evang. Kirchengemeinde Biederitz bei Magdeburg 1646-1935) 36p. 23cm. Lpz., A. Edelmann, 1937.

JENYNSIA.

Siccardi, E. M. Algunos hechos relativos a las primeras fases del desarrollo de Jenynsia (Jenyns) Berg. *Rev. Soc. argent. biol.*, 1940, 16: 64-8. La viviparidad de Jenynsia lineata (Jenyns) Berg. *Ibid.*, 69-74.

JEPPS, Margaret W.

See Fletcher, W., & Jepps, M. W. Dysentery in the Federated Malay States. 82p. 8° Lond., 1927.

JEPSEN, Anton, 1902— *Klinische Untersuchungen über Thrombozyten. p.680-7. 8° Kiel, 1932.

Also *Zschr. klin. Med.*, 1932, 122:

JEPSON, Maud. Biological drawings, with notes. Parts 1 & 2. 2v. diagr. 30cm. Lond., J. Murray [1938]

JEPSON, William, 1863—

For biography see *Biogr. Encycl. World*, 2. ed., N. Y., 1942, 216.

JEQUIER, Edouard. Un cas probable de pneumonomycose aspergillaire. 32p. pl. 8° Bonn, H. Schönershoven, 1934.

JEQUIER, Michel [M. D., 1934, Basel] *Deux sarcomes au début de leur évolution; étude sur la pathogenèse des tumeurs. 19p. 8° Basel [n. p.] 1934.

Also *Bull. Ass. fr. cancer*, 1934, 23:

JEQUIER-DOGE, Marguerite [M. D., 1941, Lausanne] *A propos de la classification des tumeurs cérébrales [Lausanne] 32p. illust. 24cm. Zür., O. Füssli, 1941.

JEQUIRITY.

See *Abrus precatorius*.

JERAMEC, Nicole Rika Geneviève, 1896—

*Les cuti-réactions dans l'asthme. 64p. pl. 8° Par., E. Souchon, 1926.

JERAN, Fritz, 1885— *Beitrag zur blutenden Mamma beim Manne. 21p. 8° Berl., E. Ebering, 1929.

JERCHO, Władysław. Organizacja obrony przeciwlotniczej domów mieszkalnych. 2. drug. 92p. 21cm. Warsz., Nakł. Zarz. Głów. L. O. P. P., 1938.

JERCHOW, Adalbert, 1913— *Ein Beitrag zur Erbbiologie der Chorea minor unter besonderer Berücksichtigung des Migräne-Momentes. 23 p. 8° Berl., R. Pfau [1938].

JEREMY, Harold Rowe. —1938.

For obituary see *Brit. M. J.*, 1938, 2: 476.

JEREZ Torrejon, Andres.

*Técnica Simonsen en la confección de la corona funda de porcelana jacket crown [Chile] 36p. 26½cm. Santiago, Imp. El Imparcial, 1940.

JERG, Felix, 1913— *Untersuchungen über das Schicksal choreatischer Kinder. 15p. 22cm. Würzb., R. Mayr, 1937.

JERGER, Joseph Ambrose, 1880— Doctor here's your hat! the autobiography of a family doctor. vii, 279p. pl. 8° N. Y., Prentice-Hall, 1939.

JERGIUS, Albert, 1905— *Beitrag zur Frage der physikalisch-chemischen Blutveränderungen in der Gestationsperiode im Vergleich mit Carzinomen und Entzündungen [Kiel] 48p. 8° Rothenburg, J. P. Peter, 1929.

JERIE, Josef, 1871—

Klaus, K. [70. anniversary] *Cas. léc. česk.*, 1941, 80: 657-61, portr.—Kotasek, A., & Neumann, F. [List of scientific works of Prof. J. Jerie and of his pupils from 1923 to 1940] *Cesk. gyn.*, 1941, 6: 171-203, portr.

JERIKE, Anna, 1903—

*Die Schief- und Querlagen an der 2. Universitätsklinik für Frauenkrankheiten und Geburtshilfe München, von 1926-30. 14p. 8° Münch., R. Müller & Steinicke, 1932.

JERIUS, Diab H. *Contribution à l'étude de l'ictère grave des nouveau-nés. 30p. 8° Lausanne [n. p.] 1935.

JERK.

See *Muscle, Reflex; Reflex; Tendon, Reflex*.

JERMAN, Edward C., 1865-1936.

Neurologia. *Rev. radiol. fisioter.*, Chic., 1937, 4: 21, portr.—Obituary. *X ray Technician*, 1936-37, 8: 83, portr.

JERMSTAD, Arne, 1884—

Portrait. In *Norges laeger* (Kobro, I.) Oslo, 1927, Suppl., 171.

JERMUK, Russia.

See also *Health resort*.

Jermuk. In *Health Resorts USSR* (Pertsov, I. A.) Moskva, 1940, 149.

JEROME, Edward Alexander. Olfactory thresholds measured in terms of stimulus pressure and volume. 44p. diagr. 25½cm. N. Y. [Arch. Psychol.] 1942.

Forms: No. 274, Arch. Psychol.

JERSEY City Charity Hospital. Medical and surgical report, from its organization, 1869, to May, 1876 [55p.] 8° N. Y., John Keller, 1877.

JERSEY City Christ Hospital. Annual report. Jersey City, 17.-43., 1890-1916.

JERSILD, Arthur Thomas, 1902— & **HOLMES, Frances Baker.** Children's fears. xv, 356p. diagr. 8° N. Y., Columbia Univ., 1935.

JERSILD, Arthur Thomas, & MARKEY, Frances V. Conflicts between preschool children. ix, 181p. tab. 8°. N. Y., Columbia Univ., 1935.

JERSILD, Olaf, 1867-

Olaf Jersild; à l'occasion de son 70. anniversaire le 6 juillet 1937 avec les respectueux hommages de ses amis, collaborateurs et élèves. Acta derm. vener., Stockh., 1937, 18: 367-9, portr.

JERUSALEM, Wilhelm. Die Urteilsfunction; eine psychologische und erkenntniskritische Untersuchung. xiv, 269p. 24½cm. Wien, W. Braumüller, 1895.

[JERUSALEM] Jewish National and University Library in Jerusalem. Notes and news. September 1928-September 1929. 23p. 8°. [Jerusalem, 1929]

JERUSALEM, Palestine.

Feigenbaum, A. The faculty of medicine at the Jerusalem Hebrew University. Med. Leaves, Chic., 1943, 5: 82-107.—**Fleischer, M.** Die Wasserversorgung im alten Jerusalem. In Hyg. d. Juden (Grunwald, M.) Dresd., 1911, 274-83.—**Golub, J. J.** Planning the new university hospital and medical school in Jerusalem. Hospitals, 1936, 10: No. 6, 101-3.—**Hebrew (The) University of Jerusalem.** Science, 1942, 96: 151.—**Hofmann, W.** Brief aus Jerusalem. Schweiz. med. Wschr., 1935, 65: 686.—**Keller, H.** Laying of the cornerstone of the Hadassah University Hospital on Mount Scopus. Med. Rec., N. Y., 1934, 140: 573.—**Medical center in Jerusalem dedicated.** J. Am. M. Ass., 1939, 113: 71.—**Rothschild-Hadassah-University Hospital, Jerusalem.** Ibid., 1942, 120: 64.—**Surgery in Jerusalem over 3000 years ago.** Lancet, Lond., 1917, 2: 916.—**Yassky, H.** The Medical centre on Mount Scopus. Harefuah, Tel Aviv, 1938, 14: No. 1-2, viii. The Hadassah-University Medical Center. Med. Leaves, Chic., 1942, 4: 178-85.

JERUSALEM artichoke.

See *Helianthaceae*.

JERUSALIMCHIK, L.

See **Borodulin, F., Dombé, I., & Jerusalimchik, L.** [Prof. M. P. Tushnov's theory on histolysates] 111p. 23cm. Moskva, 1933.

JERVELL, Anton, 1901- Elektrokardiographische Befunde bei Herzinfarkt. 267p. 8°. Oslo, Mercators Tryckeri, 1935.

Forms Suppl. 68, v.85: Acta med. scand. For portrait see in Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 171.

JERVELL, Frederick Hansen, 1890-1924.

Portrait. In Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 172.

JERVELL, Frederick Kristian, 1859- Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 602.

JERVELL, Otto, 1893- Investigation of the concentration of lactic acid in blood and urine under physiologic and pathologic conditions. 135p. 8°. Oslo, P. A. Norstedt & søner, 1928.

Forms Suppl. 24, Acta med. scand. Portrait. In Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 173.

JERVEY, James Wilkinson, 1874-

For portrait see South. M. J., 1938, 31: No. 1, front.

JERVINE.

See under *Veratrum*.

JERVIS, Guglielmo. Delle cause dei movimenti tellurici e dei possibili ripari con riguardo speciale al terremoto alpino dell'inverno dell'anno 1887. 45p. 21½cm. Torino, G. Derossi, 1887.

JERVIS, William [M. D., 1933, Lausanne] *Traitement par le sérum et prophylaxie de la fièvre scarlatine. 40p. 8°. Lausanne, Impr. Jurassienne, 1933.

JERXSEN, Rudolf, 1912- *Untersuchungen über künstliche Karies mit Streptococcus lacticus, unter besonderer Berücksichtigung der Beschaffenheit der Zähne. 23p. 8°. Lpz., A. Edelmann, 1935.

JESCHKE, Fritz, 1902- *Die Hystero-Salpingographie; ihr Anwendungsbereich, ihre Technik und Ergebnisse zur Diagnose weiblicher

Genitalaffektionen. 38p. 7 pl. 8°. Bresl., Breslauer Genoss. Buchdr., 1932.

JESCHKE, Wilhelm.

See **Böhler, L., & Jeschke, W.** Operative Behandlung der Schenkelhalsbrüche. 201p. 24½cm. Wien, 1938.

JESERICH, Heinz, 1908- *Experimentelle Untersuchungen über die Härte der Steinezemente. 20p. 8°. Greifswald, H. Adler, 1936.

JESINGHAUS, Hans Werner, 1912- *Ueber die Karieshäufigkeit in den Volksschulen der Amtshauptmannschaft Bautzen und die Möglichkeiten ihrer Verminderung [Leipzig] 33p. 21cm. Düsseld., C. Jesinghaus, 1937.

JESIONEK, Albert, 1870-1935. Biologie der gesunden und kranken Haut. xi, 655p. 8°. Lpz., F. C. W. Vogel, 1916.

— **Tuberkulose und Haut; eine biologische Studie.** xii, 370p. 8°. Giessen, A. Töpelmann, 1929.

See also **Brüggemann, A.** Nekrolog. Deut. Tuberk. Bl., 1936, 10: No. 6, portr.—**Eicken, C. von.** Nekrolog. Klin. Wschr., 1936, 15: 359.—**Prof. Albert Jesionek** zum Gedächtnis. Schweiz. med. Wschr., 1936, 66: 294.—**Schultze, W.** Nekrolog. Derm. Wschr., 1936, 102: 178. Also Münch. med. Wschr., 1936, 83: 191. Also Strahlentherapie, 1936, 55: 1.—**Stühmer.** Nekrolog. Zschr. Tuberk., 1935-36, 74: 401 portr.,

— & **BERNHARDT, Lutz.** Diätetische Behandlung der Hauttuberkulose und Ernährungsbiologie. 48p. 8°. Lpz., J. A. Barth, 1930.

Forms H. 37, Tuberk. Bibl., Lpz.

JESKE, Bruno [Georg] 1900- *Ueber das dentale Kieferhöhlenempyem und die verschiedenen Verfahren zum Verschluss der Kieferhöhlenmundfisteln. 40p. 8°. Jena, A. Gretscher, 1929.

JESKE, Fridgund, 1909- *Beiträge zur Deutung der Ursolempfindlichkeit der Meeresschweinchen [Rostock] 20p. 8°. Lippstadt-Westf., Thiele, 1932.

JESKE, Heinz, 1910- *Untersuchungen über die als Carcinom behandelten, aber in der Statistik nicht geführten Fälle [München] 17p. 8°. Würzb., R. Mayr, 1935.

JESOVER, Névėna [née Paounovitch] 1898- *Le genou paralytique; séquelles de la poliomyélite antérieure aiguë. 51p. 8°. Par., Legrand, 1930.

JESPERSEN, Edvard Martin, 1867-

Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 604.

JESS, Adolph Wilhelm Karl Theodor, 1883- Die Geschichte der Augenheilkunde und ihre Stellung im Rahmen der Gesamtmedizin; akademische Rede zur Jahresfeier der Hessischen Ludwigs-Universität am 1. Juli, 1933. 25p. 23½cm. Giessen, A. Töpelmann, 1933.

Forms H. 2, 1933, Schr. Hessischen Hochschulen. Giessen Univ.

See also **Gilbert, W., Jess, A.** [et al.] Gefäßhaut, Linse, Glaskörper, Netzhaut, Papille und Opticus. 774p. 8°. Berl., 1930.

JESSE, Karl Ludwig Hans, 1912- *Verbrechen in Hypnose und posthypnotischer Suggestion [Kiel] 22p. 22cm. Würzb., R. Mayr, 1936.

JESS, Paul Friedrich, 1907- *Einige eigene Beobachtungen als Beitrag zum Kapitel Erkennung allgemeiner Erkrankungen auf Grund des zahnärztlichen Befundes. 23p. 8°. Tüb. [n. p., 1935]

JESSE, Hans Georg, 1908- *Ueber den Zusammenhang zwischen verschiedenen menschlichen Tätigkeiten und Aenderungen der Lotkraft. 15p. 8°. Bresl., E. Jakubik, 1937.

JESSE, Ilse, 1906- *Ueber die Wirkung des Introcids bei septischen Erkrankungen [Rostock] 22p. 8°. Lippstadt-W., Thiele [1932]

JESSEL, Erwin, 1907— *Beitrag zur Klinik und Therapie der intraorbitalen Tumoren. 34p. 8°. Berl., S. Karger, 1933.
Also Zschr. Augenh., 82:

JESSEL, Heinz [Friedrich Karl Hermann] 1909— *Zur Statistik und Symptomatologie des Diabetes mellitus [Rostock] 35p. 8°. Schwerin i. M., W. Sengebusch, 1932.

JESSEN, Arnd. Was kostet dein Kind? ein Vorschlag zur Einführung allgemeiner staatlicher Kinderbeihilfen. viii, 207p. tab. 8°. Berl., R. v. Decker [1937]

JESSEN, Carl Christian, 1856—1937. Christophersen, V. [Obituary] Ugeskr. laeger, 1937, 99: 584.

JESSEN, Friedrich, 1865—1935. Die operative Behandlung der Lungentuberkulose. 3. Aufl. 75p. 4°. Lpz., C. Kabitzsch, 1921.

See also Griesbach. Nekrolog. Münch. med. Wschr., 1935, 82: 714.—Janssen. Nekrolog. Zschr. Tuberk., 1935, 73: 282.

JESSEN, Georg, 1763—1809.

Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 604.

JESSEN, H. Cytologie du liquide céphalo-rachidien normal chez l'homme. 168p. pl. ch. 8°. Par., Masson & cie, 1936.

JESSEN, Harald, 1893—1935. Griesbach. Nekrolog. Münch. med. Wschr., 1935, 82: 714.—Janssen. Nekrolog. Zschr. Tuberk., 1935, 73: 283.—Klare. Nekrolog. Deut. Tuberk. Bl., 1935, 9: 61.

JESSEN, Jes. Histologische Studien over eksperimentelle nefritter. 127p. tab. 13 col. pl. 25½cm. Kbh., J. Frimodt, 1923.

JESSEN [Jes] Christian, 1902— *Beitrag zur Abhängigkeit der Blutdruckregulation von klimatischen Faktoren, [Kiel] 32p. 8°. Neumünster, C. Kühl, 1933.

JESSEN, Johannes, 1566—1621. Jedlička, J. [Biography] Anthropologie, Praha, 1928, 6: 3-10, pl.—Musée National Hongrois, Bibliothèque Széchenyi; oeuvres du Johannes Jessen. Deliber. Congr. dermat. internat. (1935) 1935-37, 9. Congr., 3: 443.

For portrait see Deliber. Congr. dermat. internat. (1935) 1936, 9. Congr., 4: 186.

JESSEN, Margarethe, 1899— *Ueber einen Fall von obliterierender Thrombose der Vena cava inferior [München] 21p. 8°. [Freising, F. P. Datterer & cie] 1926.

JESSEN, Willers, 1909— *Bemerkenswertes zu den bisher unfruchtbar gemachten Erbkranken der Landes-Heil- und Pflegeanstalt Giessen. 24p. ch. 8°. Giessen, H. Meyer, 1937.

JESSENBERGER, Wilhelm, 1902— *Gewerbkrankheiten bezüglich des Gebisses und der Zähne. 25p. 8°. Erlangen, K. Döres, 1930.

JESSIEN, Wilhelm [Karl] 1902— *Ueber die Einwirkung von Bromcyan auf Dikarbonsäureester der Pyridin- und der Dihydropyridin-Reihe [Kiel] 26p. 8°. Borna-Lpz., R. Noske, 1928.

JESSNER, Georges, 1907— *Recherches sur l'élimination de Brucella abortus par le lait [Alfort] 79p. 8°. Par., Presses modernes, 1931.

JESSNER, Lucie, & RYAN, V. Gerard. Shock treatment in psychiatry; a manual. xv, 149p. tab. diagr. 22½cm. N. Y., Grune & Stratton, 1941.

JESSNER, Samuel, 1859— Ambulante Behandlung der Unterschenkelgeschwüre. 5. Aufl. 50p. 8°. Lpz., C. Kabitzsch, 1921.

— Körperliche und seelische Liebe; gemeinverständliche wissenschaftliche Vorträge über das gesamte Geschlechtsleben. vi, 445p. 15 pl. 8°. Lpz., C. Kabitzsch, 1926.

JESTAEDT, Adolf [Emil] 1901— *Chronischer hereditärer hämolytischer Ikterus mit tödlichem Ausgang. 38p. 8°. Würzb., Gebr. Memminger, 1926.

JESTAZ, Marc Marie Lucien Camille Paul, 1910— *Interventions sur le phrénique à l'hôpital de Fontainebleau de 1927 à 1937. 64p. 24cm. Par., Presses modernes, 1938.

JESTER, Dietrich, 1906— *Mangan; seine Gewinnung, technische Verwendung und Giftwirkung unter besonderer Berücksichtigung der gewerblichen Manganerkrankung [Berlin] 71p. 23cm. Lengerich i. Westf., Lengerich. Handelsdr. 1936.

JESTER, Homer B., 1875—1943. For obituary see Texas J. M., 1942-43, 38: 694, portr.

JESTY, Benjamin, 1737—1816. For obituary see Middlesex Hosp. J., 1938, 38: 67.

JESUIT.

WALSH, J. J. American Jesuits. 336p. 8°. N. Y., 1934.

Schwitalla, A. M. Early Jesuit writings on medicine; a note on the Jesuit quadricentennial. Hosp. Progr., 1940, 21: 389-92.—Sölterer, J. A sequence of historical random events; do Jesuits die in three's? J. Am. Statist. Ass., 1941, 35: 477-84.

JESUS, Zacarias de. The life history of the Australian cattle tick under Philippine conditions. p.355-69. 2 pl. 8°. Manila, Bur. of Print., 1935.

JESUS.

See Christ.

JESZCZYN, Moïse, 1908— *Contribution à l'étude médico-légale des amnésies traumatiques. 50p. 24½cm. Strash., Ed. Argentoratun, 1934.

JETTER, Walter William Edward, 1905— Studies in alcohol. 48p. 4°. [n. p.] 1938. Typewritten.

JETTMAR, H. M. Beobachtungen über die Malaria in Zentral-China; persönliche Erfahrungen über den Pestherd von Shansi und Shensi. 52p. illust. 8°. Lpz., F. Deuticke, 1932.

Forms H. 10 of Abh. Ges. Hyg. (R. Grassberger) Lpz., 1932.

JETZT, Traudl, 1913— *Herpes zoster der Mundschleimhaut [München] 18p. 21cm. Bottrop i. W., W. Postberg, 1936.

JEUCH, Josef, 1911— *Vergleichende pharmakognostische Untersuchung der Drogen aus den Genera Arctium und Petasites; unter besonderer Berücksichtigung der anatomischen Verhältnisse [Zürich] 77p. 2 pl. 23cm. Bern, Böhler & co., 1940.

JEULAIN, André-Emile, 1907— *Contribution à l'étude de l'intoxication par le tétrachlorure de carbone. 99p. 8°. Par., Lib. Le François, 1933.

JEULIN, Philippe 1895— *Contribution à l'étude de la leucémie aiguë chez l'enfant. 60p. 8°. Par., Jouve & cie, 1926.

JEUNE, Mathis, 1910— *Les troubles cardio-vasculaires dans le myxoedème. 335p. 8°. [Lyon] Trévoux, 1937.

JEW.

See also Jerusalem; Palestine.

JELLINEK, A. Der jüdische Stamm in nicht-jüdischen Sprichwörtern. 43p.; 98p. 21½cm. Wien, 1881.

Faris, E. If I were a Jew. In his Nature of Hum. Nat., N. Y., 1937, 350-3.—Position (The) of the Jews. Nature, Lond., 1941, 147: 801.

— Anthropology.

ELKIND, A. D. Evrei [The Jews] 458 (i. e. 229)p. 35cm. Moskva, 1903.

FEIST, S. Stammeskunde der Juden; die jüdischen Stämme der Erde in alter und neuer Zeit; historisch-anthropologische Skizzen. 191p. 38p. 8° Lpz., 1925.

FISHBERG, M. Materials for the physical anthropology of the eastern European Jews. 146p. 8° Lancaster, 1905.

Borchardt, P. Die Falaschajuden in Abessinien im Mittelalter. *Anthropos*, Mödling, 1923-24, 18: 19: 258-66.—Constancy (The) of Jewish racial characteristics. *J. Am. M. Ass.*, 1939, 112: 2546.—Coon, C. S. Have the Jews a racial identity? In *Jews in a Gent. World* (Graeber, I., & Britt, S. H.) N. Y., 1942, 20-37.—The racial position of modern European Jews. *Ibid.*, 30-4.—& Jacobs, M. The problem of race. *Ibid.*, 19-59.—Czortkower, S. Anthropologische Struktur der Juden; Uebersicht der Untersuchungsergebnisse. *Anthrop. Anz.*, 1932, 9: 250-63.—Elkind, A. [The Jews] *Russ. antrop. J.*, 1902, 3: No. 3, 1-44.—Feist, S. Die Juden als Rasse in alter Zeit. In *his Stammeskunde d. Juden*, Lpz., 1925, 1-14.—Die Juden in Vorderasien. *Ibid.*, 40-50.—Die chinesischen Juden. *Ibid.*, 51-62.—Die nordafrikanischen Juden. *Ibid.*, 94-114.

Die heutigen Juden als Rasse. *Ibid.*, 171-88.—Goldhamer, S. M. Distribution of the blood groups among the Jews. In *Med. Leaves* (J. C. Beck) Chic., 1937, 64-69.—Goldschmidt, R. Anthropological determination of Aryanism. *J. Hered.*, 1942, 33: 215.—Isaacs, R. The so-called Jewish type. *Med. Leaves, Chic.*, 1940, 3: 119-22.—Kossovitch, N. Recherches anthropométriques et sérologiques (groupes sanguins) chez les Israélites du Maroc. *C. rend. Soc. biol.*, 1932, 109: 9-11.—Pavia, M. Prime ricerche antropometriche sul bambino ebreo italiano. *Riv. clin. pediat.*, 1933, 31: 897-905.—Ripley, W. Z. [The Jews] *Russ. antrop. J.*, 1900, 1: No. 2, 78-89.—Rix, R. E. A dental characteristic of the Jews. *Dent. Rec.*, Lond., 1943, 63: 39.—Saller, K. Beitrag zur Anthropologie der Ostjuden. *Zschr. Morph. Anthrop.*, 1933, 32: 125-31, 2 pl., tab.—Seltzer, G. C. The Jew, his racial status; an anthropological appraisal. *Harvard M. Alumni Bull.*, 1938-39, 13: 67-75.—Wellisch, S. Rassen-diagnose der Juden und ihrer Vorfahren. *Anthropos*, Mödling, 1937, 32: 783-94.—Worrell, W. H. The hamitic background of semitism. *Papers Michigan Acad. Sc.* (1926) 1927, 7: 269-72.—Younovitch, R. Les caractères sérologiques des juifs asiatiques. *C. rend. Soc. biol.*, 1933, 113: 1101-3.

Civilization and culture.

GERSHENFELD, L. The Jew in science. 224p. 8° Phila., 1934.

SOLIS-COHEN, S. Judaism and science, with other addresses and papers. 274p. 23½cm. Phila., 1940.

Analysis (An) of Jewish culture. In *Jews in a Gent. World* (Graeber, I., & Britt, S. H.) N. Y., 1942, 243-63.—Beard, M. The Jew in modern life. *Ibid.*, 395-401.—& Lestschinsky, J. The mirage of the economic law. *Ibid.*, 361-416.—Bernard, J. Biculturalism; a study in social schizophrenia. *Ibid.*, 264-93.—Barriers and breaches; the margin of culture. *Ibid.*, 284-93.—Cohen, J. W. The Jewish role in Western culture. *Ibid.*, 329-60.—Anti-Semitism and culture. *Ibid.*, 353-60.—Friedenwald, H. Stray notes on the Jews and the universities in the early centuries. *Med. Leaves, Chic.*, 1940, 3: 155-63.—Goldberg, N. Change and persistence of cultural traits among second generation American Jews. *Abstr. Theses Univ. Pittsburgh*, 1930, 6: 273.—Hailperin, H. Intellectual relations between Jews and Christians in Europe before 1500 A. D. described mainly according to the evidences of Biblical exegesis with special reference to Rashi (1040-1105) and Nicolas de Lyra (1270-1349) *Ibid.*, 1933, 9: 128-45.—Hertzler, J. O. The isolation and rigidity of Jewish culture; the ghetto influence. In *Jews in a Gent. World* (Graeber, I., & Britt, S. H.) N. Y., 1942, 71-4.—Jacobs, M. Jewish blood and culture. *Ibid.*, 38-59.—Kennedy, R. Perspective for the future. *Ibid.*, 417-32.—Krauss, F. S. Jewish folk-life in America. *J. Am. Folklore*, 1894, 7: 72-5.—Müller, W. Jüdischer Geist in der Physik. *Zschr. ges. Naturwiss.*, 1939, 5: 162-75.—Nature (The) of Jewish culture. In *Jews in a Gent. World* (Graeber, I., & Britt, S. H.) N. Y., 1942, 250-9.—Ratnoff, N. The Hebrew University. *Bull. Centr. M. Conc. Brooklyn*, 1936, 1: 5: 7-9.—Rosenthal, H. Die Idee des Wortes in der altisraelitischen Kulturentwicklung. *Internat. Zschr. Indiv. psychol.*, Wien, 1932, 10: 414-25.—Shapiro, J. Education among early Hebrews with emphasis on Talmudic period. *Abstr. Theses Univ. Pittsburgh*, 1938, 14: 249-54.—Smith, M., & Moton, R. B. Jewish production of American leaders. *Sc. Month.*, 1942, 55: 144-50.—Stonequist, E. V. The marginal character of the Jews. In *Jews in a Gent. World* (Graeber, I., & Britt, S. H.) N. Y., 1942, 296-310.—Mayer, C., & Cohen, J. W. The rhythm of two worlds. *Ibid.*, 295-360.

Demography.

LEVY, A. *Geburtenziffer der jüdisch-christlichen Mischehen in einigen Groszstädten Deutschlands. 28p. 22cm. Münch., 1936.

Frazer, J. G. Die Juden in den kaukasischen Bergen. In *his Native races of Asia*, Lond., 1939, 337.—Gründel, K. Die jüdischen und jüdisch-mischblütigen Schüler und Schölerinnen auf den Volksschulen und höheren Lehranstalten des Deutschen Reiches im Schuljahr 1936. *Reichsgesundhbl.*, 1938, 13: 632-5.—Halévy, H. S. Population problems of Jews in Palestine; migration, natural movement, influence of nature and environment. *Congr. internat. popul.* (1937) 1938, 1. Congr., 3: 123-33.—Heinrich, H. Bevölkerungsvorgänge bei den Berliner Juden. *Zschr. Sexwiss.*, 1929, 16: 59.—Juden (Die) im Deutschen Reich. *Reichsgesundhbl.*, 1935, 10: 323.—Jüdische (Die) Bevölkerung Berlins. *Mitt. Statist. Amt. Berlin*, 1935, H. 18, sec. 7, 1-4.—Lestschinsky, J. Probleme der Bevölkerungsbewegung bei den Juden. *Metron*, Padova, 1925, 5: No. 4, 130; 1926, 6: No. 1, 80; No. 2, 87.—The natural increase of Jewish people during the last century. In *Med. Leaves* (J. C. Beck) Chic., 1940, 3: 130-40.—Marcuse, M. Zum Untergang der deutschen Juden. *Zschr. Sexwiss.*, 1927-28, 14: 279.—Maschke, M. Der Untergang der deutschen Juden. *Umschau*, 1933, 37: 135.—Müller, G. Juden in Tripolis. *Zschr. Ethnol.*, 1936-37, 68: 373-9.—Philippsthal, H. Die Juden in Deutschland. *Allg. statist. Arch.*, 1928, 18: 437-40.—Stand und Bewegung der Juden in Deutschland. *Arch. sozial. Hyg.*, 1928, n. F., 3: 263-70.—Vital statistics of Austrian Jews. *J. Am. M. Ass.*, 1937, 108: 1275.—Zimmermann, Die jüdische Bevölkerung Berlins. *Berl. Wirtschaftsber.*, 1935, 12: 101-4.—Die jüdische Bevölkerung in Wien und Berlin. *Ibid.*, 1938, 15: 73.

Disease, and mortality.

See also under names of diseases.

FLAMANT, J. *Contribution à l'étude de la pathologie des Israélites. 67p. 8° Par., 1934.

FRIGYES, L. *Ueber Geistes- und Nervenkrankheiten und Gebrechlichkeiten unter den Juden. 33p. 8° Frankf. a. M., 1927.

PUVION, A. *La pathologie des juifs est due non à la race mais aux mœurs. 60p. 8° Par., 1930.

STEUERMAN, M. *Essai d'introduction à l'étude de la pathologie des juifs. 128p. 8° Par., 1934.

TAITZ, J. *Psychosen und Neurosen bei Juden. 40p. 23½cm. Basel, 1937.

Baneth, B. Einige Betrachtungen zur Statistik. In *Hyg. d. Juden* (Grunwald, M.) Dresd., 1911, 157-63.—Bieneck, E. Statistik über die Todesursachen bei der jüdischen Bevölkerung von Breslau in den Jahren 1928-37. *Arch. Rassenb.*, 1940, 34: 126-54.—Bogen, E. Tuberculosis among the Jews. *Med. Leaves, Chic.*, 1940, 3: 123-9.—Diseases among the Jews. *Ibid.*, 1943, 5: 151-9.—Bolduan, C., & Weiner, L. Causes of death among Jews in New York City. *N. England J. M.*, 1933, 208: 407-16.—Esso, I. van [Problems of the medical demography of Jews] *Geneesk. gids*, 1936, 14: 989-1000.—Harms, E. The nervous Jew; a study in social psychiatry. *Dis. Nerv. Syst.*, 1942, 3: 47-52.—Hersch, L. The principal causes of death among Jews. *Med. Leaves, Chic.*, 1942, 4: 56-77.—Horn, W. Untersuchungen und Beobachtungen an geisteskranken Juden. *Allg. Zschr. Psychiat.*, 1941, 117: 167-80.—Koralnik, I. Zur Problematik der jüdischen Mindersterblichkeit. *Arch. sozial. Hyg.*, 1929, n. F., 4: 185-96.—Mortality (The) of Jews. *Lancet*, Lond., 1937, 1: 1295.—Myerson, A. Neuroses and alcoholism among the Jews. *Med. Leaves, Chic.*, 1940, 3: 104-7.—Peller, S. Ueber Krebssterblichkeit der Juden. *Zschr. Krebsforsch.*, 1931, 34: 128-47.—Rolleston, H. Some diseases in the Jewish race. *Bull. Johns Hopkins Hosp.*, 1928, 43: 117-39.—Salud (La) de los judíos. *Rev. homeop. catalana*, 1883, 1: 19.—Saphir, O. Autopsies among Jews. In *Med. Leaves* (A. Levinson) 1939, Chic., 157-60.—Schachter, M. Cancer et race; à propos du cancer chez les juifs. *Progr. méd.*, Par., 1931, 2213.—Stern, A. [Mental and nervous diseases among Jews] *Harefuah*, Tel Aviv, 1941, 20: 55.—Theilhaber, F. A. Die Sterblichkeit der Juden; ein Beitrag zur Würdigung der sozial-hygienischen und biologischen Einflüsse. In *Hyg. d. Juden* (Grunwald, M.) Dresd., 1911, 113-56.—Die Morbidität der Juden. *Ibid.*, 292-8.—Ullmann, H. Zur Frage der Vitalität und Morbidität der jüdischen Bevölkerung. *Arch. Rassenb.*, 1926, 18: 1-54.—Weissenberg, S. Zur Sozialbiologie und Sozialhygiene der Juden. *Ibid.*, 1927, 19: 402-18.

Ethics.

See also Criminal; also under such headings as Abortion; Suicide, etc.

Brüning, H. Zur Frage der Juden in der deutschen Badekurorten um die Wende des 18. Jahrhunderts mit besonderer Berücksichtigung des Glücksspieles. *Münch. med. Wschr.*, 1940, 87: 641-4.—Wassermann, R. Die Kriminalität der Juden. *Mscr. Krim. Psychol.*, 1928, 19: 461-73.—Weinberg, M. H. Jewish criminals. In *Med. Leaves* (A. Levinson) 1939, Chic., 174-94.

— History.

See also Bible.

BLOOM, H. I. *The economic activities of the Jews of Amsterdam in the seventeenth and eighteenth century [Columbia Univ., Ph. D.] 332p. 25cm. Williamsport, Pa., 1937.

JOSEPHUS, FLAVIUS. Famous and memorable works of Josephus, a man of much honour and learning among the Jewes. Transl. out of the Latin and French by Thomas Lodge. 812p. 34cm. Lond., 1632.

JACOBS, M. The diaspora. In *Jews in a Gent. World* (Graeber, I. & Britt, S. H.) N. Y., 1942, 43-50.—MELAMED, S. M. Die Stellung der Juden in der Weltgeschichte. In *Psychol. jüd. Geistes* (Melamed, S. M.) 2. Aufl., Berl., 1921, 36-49.—MORRISON, H. A biologic interpretation of Jewish survival. *Med. Leaves*, Chic., 1940, 3: 97-103.—SCHWARZ, E. Jews in Latin America, the Colonial Period. *Bull. Panamer. Union*, 1940, 64: 729-36.—SEIDEL, H. The story of Histraduth. In *Med. Leaves* (J. C. Beck) Chic., 1937, p.167-74.—VOGELSTEIN, H. Rome [book rev. by S. Gandz] *Isis*, Menasha, 1942 1942-43, 34: 223.—WIJINGAARDEN, W. D. van. De weg, den de Israëlieten volgden bij hun uittocht uit Egypte. *Internat. Arch. Ethnogr.*, Leiden, 1938, 35: Oudheidkund. Meded., H. 4-5, 6-20.

— Hygiene and sanitation.

GRUNWALD, M. Die Hygiene der Juden. vi, 325p. 8°. Dresd., 1911.

SCHAPIRO, D. L'hygiène alimentaire des juifs devant la science moderne. 350p. 8°. Par., [1931]

SCHENDEROVITCH, FAIVEL. *L'hygiène dans le judaïsme. 40p. 8°. Par., 1927.

BAGLIONI, S. L'igiene sessuale nel Pentateuco. *Rass. stud. sess.*, 1928, 8: 1-8.—BAMBERGER, M. L. Die Hygiene des Schulchan Arukh. In *Hyg. d. Juden* (Grunwald, M.) Dresd., 1911, 231-43.—CARRIEN, L'hygiène dans le Talmud. *Chron. méd.*, Par., 1927, 34: 355-60.—DIENEMANN, M. Hygienisches im jüdischen Sprichwort. In *Hyg. d. Juden* (Grunwald, M.) Dresd., 1911, 168-70.—Hygiene der Juden im 17. und 18. Jahrhundert. *Ibid.*, 261-70.—FREIMANN, A., SEELIGMANN, S. [et al.] Bibliographie der hygienischen Literatur der Juden. *Ibid.*, 18-29.—FUNK, S. Die Hygiene des Talmuds. *Ibid.*, 189-231.—GRUNWALD, M. Die Hygiene der Juden. *Ibid.*, 1-17; 174-88.—Nachtrag zur Beerdigungsfrage. *Ibid.*, 322.—JERENIAS, K. Einiges über die Regelung des Geschlechtslebens bei den Juden. *Ibid.*, 271-4.—KAGAN, S. R. Hygiene among the ancient Hebrews. *Am. Med.*, 1933, 39: 26-30.—KALLNER, Einiges zur jüdischen Fleischhygiene. In *Hyg. d. Juden* (Grunwald, M.) Dresd., 1911, 284-91.—LOIR, A. Hygiène et Judaïsme. *Rev. hyg.*, Par., 1931, 53: 654-76.—MAGNI, D. I. An experimental appreciation of Leviticus XI.9-12 and Deuteronomy XIV. 9-10. *Hebrew M. J.*, N. Y., 1942, 2: 165-70.—NORDHEIMER, V., HAASE & GRUNWALD, M. Urteile über die Hygiene der Juden. In *Hyg. d. Juden* (Grunwald, M.) Dresd., 1911, 299-322.—RATNER. Ueber Schulhygienisches aus der älteren jüdischen Literatur. *Ibid.*, 323-5.—WEISSENBURG, S. Hygiene in Brauch und Sitte des Juden. *Ibid.*, 29-43.—WIESNER, L. Hygiene des Kindesalters im Talmud. *Ibid.*, 170-4.—WULMAN, L. Jewish health work during the last 20 years. In *Med. Leaves* (A. Levinson) Chic., 1939, 195-6.—ZIRKER, M. Die jüdische Turnbewegung. In *Hyg. d. Juden* (Grunwald, M.) Dresd., 1911, 165-7.

— Institutions.

DANZIS, M. Jewish hospitals and facilities for graduate training. *Med. Leaves*, Chic., 1940, 3: 65-74.—DOANE, J. C. & CASTOR, H. W. Jewish hospital provides for ward surgical patients. *Mod. Hosp.*, 1935, 45: No. 3, 51-3.—HELLER, H. The Beilinson Hospital. *Med. Leaves*, Chic., 1943, 5: 125-8.—JACOBS, R. Twenty five years of Hadassah. *Hebrew Physician*, N. Y., 1937, 1: 210-5.—KUPAT HOLIM, the Sick Fund of the General Federation of Jewish Labor. *J. Am. M. Ass.*, 1942, 118: 912.—LEVITAS, I. The activities of the Hadassah medical unit in Palestine. *Med. Woman J.*, 1940, 47: 123.—MEREMINSKI, I. Histraduth in wartime. *Med. Leaves*, Chic., 1942, 4: 9-15.—QUITMAN, H. Z. The work of the Red Mogen Dovid in Palestine. *Hebrew M. J.*, N. Y., 1943, 1: 136-48.—ROBBINS, C. M. The Newark Beth Israel Hospital. *Med. Leaves*, Chic., 1943, 5: 107-16.—SCHOOLMAN, B. S. Hadassah's contribution to the war effort. *Hebrew M. J.*, N. Y., 1943, 1: 149-60.—YASSKI, H. The Hadassah medical organisation. *Fol. med. intern. orient.*, 1932-35, 1: 312-7.

— Language and literature.

See also Bible; Talmud.

ABRAHAM BEN MEIR [Abraham's guide] [158] 1. 17cm. [text] Venez., 1523.

BENJACOB, I. A. Ozar ha-sepharim; thesaurus librorum hebraicorum, tam impressorum quam manu scriptorum. 678p. 26½cm. Wilna, 1880.

POZNAŃSKI, S. Zur jüdisch-arabischen Literatur. 88p. 22cm. Berl., 1904.

ROBACK, A. A. Physicians in Jewish folklore. 9p. 27½cm. [Cambr., after 1933]

— The story of Yiddish literature. 448p. 24cm. N. Y. [1940]

SCHAPIRO, I. Bibliography of Hebrew translations of German works. 79p. 23½cm. N. Y., 1934.

FEIST, S. Die Sprachen der Juden. In *his Stammeskunde d. Juden*, Lpz., 1925, 157-70.—FREEHOF, S. W. Three psychiatric stories from rabbinic lore. *Psychoanal. Rev.*, 1942, 29: 185-7.—HERBERT, L. M. The tenth anniversary of Harole Haivri. *Hebrew M. J.*, N. Y., 1937, 2: 275-8.—LEVY, R. Preparation of a commentary on 815 Old French glosses important for French lexicography and mediaeval culture. *Yearb. Am. Philos. Soc.* (1940) 1941, 209.—MARX, A. Medical manuscripts in the library of the Jewish Theological Seminary of America. *Hebrew M. J.*, N. Y., 1937, 2: 243-5.—MELAMED, S. M. Sprache und Schrifttum. In *Psychol. jüd. Geistes* (Melamed, S. M.) 2. Aufl., Berl., 1921, 177-93.—UNGNAD, A. Das Wesen der Ursemitischen. *Anthropos*, Mödling, 1925, 20: 781 (Rev.)—WEINBERG, M. H. Contributions of the Yiddish scientific institute of Wilno. *Med. Leaves*, Chic., 1940, 3: 75-96.—YAARI, A. Incunables hebreos en la Biblioteca nacional de Jerusalem. *Cervantes*, Habana, 1938, 13: No. 7, 8, 29.—YOFFIE, L. R. Popular beliefs and customs among the Yiddish-speaking Jews of St Louis, Mo. *J. Am. Folklore*, 1925, 38: 375-99.

— Laws and regulations.

CZERTOK, S. *Jüdische Hygiene in der bayerischen Gesetzgebung. 30p. 8°. Würzb., 1928.

WAGNER, G. Die Nürnberger Judengesetze. 2. Aufl. 31p. 23cm. Münch. [1938]

Aenderung von Familiennamen und Vornamen. *Reichsgesundtbl.*, 1937, 12: 621.—AHNENPASS. *Ibid.*, 1935, 10: 179.—Deutsches Reich. Runderlass des Reichsministers des Innern, betr. Juden in Bädern und Kurorten, vom 16. Juni 1939. *Ibid.*, 1939, 14: 595.—Dritte Verordnung zum Reichsbürgergesetz. *Ibid.*, 1938, 13: 525.—Erwerb der Doktorwürde durch Juden deutscher Staatsangehörigkeit. *Ibid.*, 1937, 12: 370.—Exclusion (The) of Jewish physicians [Germany] *J. Am. M. Ass.*, 1938, 111: 1118.—Hungary [Regulation No. 340, 1939, on limitation of Jews in public and economic life; medical regulations] *Népegészségügy*, 1939, 20: 483-6.—Hungarian (The) law on Jewish physicians. *J. Am. M. Ass.*, 1939, 113: 955.—Lehmann. Keine Grundsteuerbefreiung für jüdische Krankenanstalten. *Münch. med. Wschr.*, 1941, 88: 976.—New regulations for Jewish physicians. *J. Am. M. Ass.*, 1936, 106: 1931.—Resolution concerning Aryans [Ass. Phys. Poland] *Ibid.*, 1938, 111: 1120.—Steinwallner, B. Judengesetz in Frankreich. *Erbsatz*, 1941, 9: 39.—Unterscheidung zwischen jüdischen und nichtjüdischen Ärzten. *Reichsgesundtbl.*, 1936, 11: 237.

— Medical history.

See also Palestine.

ASKENASI, J. *Contribution des juifs à la fondation des écoles de médecine en France au Moyen-Age. 71p. 8°. Par., 1937.

KAGAN, S. R. Contributions of early Jews to American medicine. 63p. 8°. Bost. [1934]

— Jewish contributions to medicine in America (1656-1934) 549p. 8°. Bost., 1934.

— Jewish contributions to medicine in America, from colonial times to the present. 2. ed. 792p. 22½cm. Bost., 1939.

KISCH, G. Die Prager Universität und die Juden, 1348-1848, mit Beiträgen zur Geschichte des Medizinstudiums. 239p. 8°. Mährisch-Ostau, 1935.

ROSIN, H. Die Juden in der Medizin. 25p. 8°. Berl., 1926.

VENETIANER, L. Asaf Judaeus der älteste medizinische Schriftsteller in Hebräischer Sprache. 2pts. 8°. Strassb., 1916-17.

CASTIGLIONI, A. The evolution of medicine among the Jews. *Med. Leaves*, Chic., 1943, 5: 10-7.—DANZIS, M. The Jew in medicine from biblical to modern times. *J. M. Soc. N. Jersey*, 1930, 27: 763-76.—ESSE, I. van. Jewish physicians in the

development of medicine in the 19th and 20th centuries in Germany. *Geneesk. gids*, 1937, 15: 462, 631.—**Friedeberg, M.** Taubstummenfürsorge in jüdischer Vorzeit. In *Hyg. Juden* (Grunwald, M.) Dresd., 1911, 163-5.—**Friedenwald, H.** The use of the Hebrew language in medical literature. *Bull. Johns Hopkins Hosp.*, 1934, 54: 77-111. — Jews and the University of Montpellier; Jean Astruc, the Saportas, and others. *Ann. M. Hist.*, 1940, 3, ser., 2: 518-25.—**Hiller, R. I.** The rôle of the Jew in medieval medicine. *Phi Delta Epsilon News*, Menasha, 1934, 25: 207-9.—**Israelites** of Bible credited with high skill in medicine. *Science News Lett.*, 1941, 39: 187.—**Palestine**; Jewish volunteers; medicinal herbs; etc. *Lancet*, Lond., 1942, 2: 679.—**Pikas, A.** [The Jews and medicine] *Medicina*, Kaunas, 1933, 14: 338-49.—**Podolsky, E.** Historical medicine; Jewish contributions to medicine. *Med. J. & Rec.*, 1931, 134: 91-3.—**Shechter, M.** Medical literature in Palestine. In *Med. Leaves*, (A. Levinson) Chic., 1939, 166-9.

— Medicine.

GOLDEN, L., HERBERT, L. M., & GOLDSTEIN, A. *Rephuah system of medicine*. 218p. 8° N. Y., 1927.

SNOWMAN, J. *A short history of Talmudic medicine*. 94p. 8° Lond., 1935.

Bernstein, A. The Talmud a medical laboratory. *California West. M.*, 1938, 49: 308-10.—**Brooks, M.** Military medicine of the ancient Hebrews. *Med. Rec.*, N. Y., 1938, 148: 333-5.—**Chernoff, H.** A history of Jewish medicine. *Med. Bull.*, N. Y., 1940-41, 6: 113-6.—**Chidekel, M.** What did the Talmudists really know about medicine? *Ibid.*, 1938, 147: 391-4.—**Friedenwald, H.** The bibliography of ancient Hebrew medicine. *Bull. M. Lihr. Ass.*, 1934-36, 23: 124-33.—**Gordon, B. L.** Medicine among the ancient Hebrews. *Ann. M. Hist.*, 1942, 3, ser., 4: 219-35.—**Gordon, M. B.** Medicine among the ancient Hebrews. *Isis*, Menasha, 1941, 33: 454-85.—**Isaacs, R.** Hematology in the Bible and Talmud. In *Med. Leaves* (J. C. Beck) Chic., 1937, 79-80.—**Kagan, S. R.** Medicine according to the Talmud. *Med. J. & Rec.*, 1926, 123: 459; 536. — Medicine according to the ancient Hebrew literature. *Med. Life*, 1930, 37: 309-36. — Etiology, pathology and prognosis according to the ancient Hebrew literature. *N. England J. M.*, 1930, 202: 333-6.

Talmudic medicine. *Med. Leaves*, Chic., 1940, 3: 164-73.—**Kohan, S. G.** [The physician in ancient Hebrew literature] *Yevr. med. galos*, Odessa, 1909, 2: 133-54.—**Miller, H.** The medicine of the ancient Jews. *California West. M.*, 1937, 47: 38-40.—**Savitz, H. A.** National traits in medicine, with special reference to the Jews. *Med. J. & Rec.*, 1928, 127: 16; 70.—**Shem, J. B., & Katz, N.** Medical excerpts from *Sefer Mif'alot Elokim* (The book of God's deeds). *Bull. Inst. Hist. M.*, 1936, 4: 299-331.—**Silber, M.** Medicine in the Talmud. *N. Orleans M. & S. J.*, 1926-27, 79: 910-4.

— Migration.

See also Refugee.

Assisting academic refugees. *J. Am. M. Ass.*, 1939, 112: 656.—**Bachmann, P. A.** The medical refugee question. *S. Barth. Hosp. J. War Bull.*, Lond., 1939-40, 1: 222.—**Barnett, S. E.** A reply to the editorial on refugee physicians. *J. Michigan M. Soc.*, 1943, 42: 403.—**Brennecke, H. P.** Refugee doctor controversy boils in several states; what to do about citizenship barriers becomes a pressing problem as supply of civilian physicians grows scarcer. *Med. Econom.*, 1941-42, 19: No. 12, 57.—**Concerning opportunities for refugee physicians.** *California West. M.*, 1941, 54: 50.—**Danzis, M.** The New Jersey State Committee for Refugee Physicians. *Med. Leaves*, Chic., 1943, 5: 116-24.—**Edsall, D. L., Hartwell, J. A.** [et al.] The problem of the refugee physician. *J. Am. M. Ass.*, 1939, 112: 570.—**Edsall, D. L., & Putnam, T. J.** The émigré physician in America, 1941; a report of the National Committee for Resettlement of Foreign Physicians. *J. Am. M. Ass.*, 1941, 117: 1881-8.—**Fischer, J., Fischmann, J.** [et al.] Refugee physicians. *N. England J. M.*, 1942, 227: 157.—**Held, I. W., & Ratnoff, N.** The problem of the medical refugee in the United States. *Med. Leaves*, (A. Levinson) Chic., 1939 49-57.—**Interned alien doctors** (medical notes in Parliament). *Brit. M. J.*, 1940, 2: 851.—**Kopetzky, S. J.** The problem of the physician émigré. *Med. Leaves*, Chic., 1940, 3: 47-51.—**London Jewish Medical Society**; appeal for refugee doctors. *Brit. M. J.*, 1938, 2: 1329.—**Medical refugees in Palestine.** *J. Am. M. Ass.*, 1939, 112: 2077.—**Organization of medical aid for Jewish refugees** [Poland]. *Ibid.*, 1938, 111: 2406.—**Plaschkes, S.** The position of refugee physicians in Palestine. *Med. Leaves*, Chic., 1940, 3: 52-7.—**Pratt, J. H., & Graef, I.** The refugee physician. *Fed. Bull.*, Chic., 1940, 26: 101-14.—**Problem** (the) of the émigré physician. *Ibid.*, 97-9.—**Problem** (The) of the refugee physician. *J. Am. M. Ass.*, 1939, 112: 735.—**Refugee doctors.** *Lancet*, Lond., 1940, 1: 1028. —Also *Med. J. Australia*, 1941, 2: 401.—**Refugee physicians.** *Fed. Bull.*, Chic., 1940, 26: 212. —Also *Rhode Island M. J.*, 1942, 25: 164.—**Rutherford, A.** A society for the protection of science and learning. *Brit. M. J.*, 1936, 1: 607.—**Salvage of scholarship.** *Lancet*, Lond., 1937, 2: 272.—**Scholarships for the victims of political persecution.** *J. Am. M. Ass.*, 1936, 106: 1104.—**Use of émigré physicians.** *Ibid.*,

1942, 120: 1134.—**Wiens, H. W.** Nazi racialism and the German Jewish refugee problem. *Summaries Doct. Diss.* Northwestern Univ., Chic., 1940, 8: 128-31.—**Zanfagna, P. E.** Refugee physicians. *N. England J. M.*, 1942, 226: 1006.

— Miscegenation and intermarriage.

See also Eugenics.

Göllner, H. Die jüdischen Mischehen im Reich und in Berlin. *Reichsgesundhbl.*, 1935, 10: 980-3.—**Hanauer, W.** Die jüdisch-christlichen Mischehen. *Allg. statist. Arch.*, 1927-28, 17: 513-37.—**Hertzler, J. O.** Intermarriage. In *Jews in a Gent. World* (Gracher, I., & Britt, S. H.) N. Y., 1942, 79.—**Kopp, W. W.** Beobachtung an Halbjuden in Berliner Schulen; ein Beitrag zur Mischlingsforschung. *Volk & Rasse*, 1935, 10: 390-4.—**Loewenthal, J.** Jüdische und unjüdische Mischungen. *Zschr. Sexwiss.*, 1931-32, 18: 23-9.—**Marcuse, M.** Zur Biologie der christlich-jüdischen Mischehen. *Umschau*, 1928, 32: 533-8.—**Oettinger, W.** Zur Frage der jüdisch-deutschen Mischehen. *Wien. klin. Wschr.*, 1935, 48: 973 [Erwiderung von H. Reichel] 974.—**Pearl, R., & Franklin, C.** Jewish and Christian intermarriages in Budapest; a footnote to recent social history. *Bull. Hist. M.*, 1940, 8: 497-508.—**Slotkin, J. S.** Jewish-Gentile intermarriage in Chicago. *Am. Sociol. Rev.*, 1942, 7: 34-9.—**Spranger, W.** Was muss der Amtsarzt über die Eheschliessung zwischen Arien und Nichtariern wissen? *Reichsgesundhbl.*, 1935, 10: 1004-6.—**Verbot von Rassenmischehen.** *Ibid.*, 1058.

— Physician.

KAGAN, S. R. *American Jewish physicians of note, biographical sketches*. 304p. 23½cm. Bost., 1942.

KRAUSS, S. *Geschichte der jüdischen Aerzte von frühesten Mittelalter bis zur Gleichberechtigung*. 180p. 8° Wien, 1930.

Sik, L. *Jüdische Aerzte in Jugoslawien*. 52p. 8° Osijek, 1931.

Benayahu, M. The first world congress of Jewish physicians. In *Med. Leaves* (J. C. Beck) Chic., 1937, 14-7.—**Cohen, D. E.** [Early Jewish physicians of Amsterdam] *Ned. tschr. geneesk.*, 1927, 71: pt 2, 1385-401. — [Jewish surgeons of Amsterdam] *Ibid.*, 1930, 74: 2234-56. — [Jewish physicians in the northern Netherlands before 1600] *Bijdr. gesch. geneesk.*, 1934, 14: 33-43.—**Fernando, A. S.** The case of the Jewish physicians. *J. Philippine Islands M. Ass.*, 1939, 19: 573-8.—**Felsenthal, S.** Jüdische Aerzte in Alt-Mannheim. *Sudhoffs Arch.*, 1930, 23: 184-96.—**Fischer, I.** On the ethics of the Jewish physician. *Med. Life*, 1933, 40: 403-10. — Jews in modern medicine. *Med. Leaves*, Chic., 1940, 3: 30-5.—**Friedenwald, H.** Two Jewish physicians of the 16th century. *Ibid.*, 1937, 49-56. — Jewish physicians of Spain and Portugal; historical notes and anecdotes. *Med. Life*, 1938, 45: 205-20.—**Goldberg, J. A.** Jews in medicine; a national survey. *Hebrew M. J.*, N. Y., 1939, 2: 167.—**Jewish and non-Aryan physicians in Germany.** *J. Am. M. Ass.*, 1936, 106: 1509.—**Jewish doctors in Austria.** *Lancet*, Lond., 1934, 2: 216.—**Levinger, L. J.** Jewish medical students in America. *Med. Leaves*, Chic., 1939, 91-95.—**Levinson, A.** Jewish physicians of the Middle Ages. *Ibid.*, 1937, 101-13. — **Meeting of the Jewish Medical Association of Palestine.** *J. Am. M. Ass.*, 1941, 117: 1372.—**Menninger, K. A.** The genius of the Jew in psychiatry. *Med. Leaves*, Chic., 1937, 128-32.—**Meyer, H.** Introduction. *Ibid.*, 1940, 3: 5.—**Meyerhof, M.** Notes sur quelques médecins juifs égyptiens qui se sont illustrés à l'époque arabe. *Isis*, Bruges, 1929, 12: pt 1, 113-31. — Mediaeval Jewish physicians in the Near East, from Arabic sources. *Ibid.*, 1938, 28: pt 2, 432-60. — Jewish physicians under the reign of the Fatimid Caliphs in Egypt. In *Med. Leaves*, 1939 (A. Levinson) Chic., 131-9.—**Morrison, H.** The early Jewish physicians in America; with reference to some in the 19th century. *Med. Life*, 1928, 35: 505-30, 3 parts; 1933, 40: 411-33. — Early American Jewish physicians. *Med. Leaves*, Chic., 1939, 140-4.—**Neuburger, M.** Jewish physicians at the beginnings of modern times. *Ibid.*, 145-7. — Jewish physicians in the history of medicine. *Ibid.*, 1943, 5: 56-75.—**Newman, S., & Kapustin, M.** The physician in Talmud and rabbinics. *Ibid.*, 22-30.—**Roback, A. A.** Physicians in Jewish folklore. *Ibid.*, 1942, 4: 110-8.—**Rongy, A. J.** Half a century of Jewish medical activities in New York City. *Ibid.*, 1937, 151-63.—**Roth, C.** Jewish physicians in medieval England. *Ibid.*, 1943, 5: 42-5.—**Savitz, H. A.** The rôle of the Jewish physician in the progress of his people. *Ann. M. Hist.*, 1938, n. ser., 10: 107-16.—**Simon, S. M.** History of Jewish physicians in the United States up to about 1900. *Ibid.*, 1935, 7: 285-91.—**Swieca, S.** [Jewish physicians at the courts of Polish Kings] *Warsz. czasz. lek.*, 1936, 13: 123-6.—**Weinberg, M. H.** Jewish diplomats in Pennsylvania. *Med. Leaves*, Chic., 1942, 4: 159-61.—**Withdrawal of right to practice from non-Aryan physicians in Bohemia and Moravia.** *J. Am. M. Ass.*, 1941, 117: 133.—**Wulman, M. L.** The tragedy of the Jewish physician in Europe. *Med. Leaves*, Chic., 1940, 3: 58-64.—**Zimmermann, J.** Jüdische Aerzte und Kassenärzte in Berlin. *Berl. Wirtschaftsber.*, 1938, 15: 74.—**Zondek, H.** Contemporary medicine and Jewish physicians. *Med. Leaves*, Chic., 1940, 3: 7-10.

— Politics and racial problems.

AMERICAN ZIONIST BUREAU. British statements on the Palestine Land Transfers Regulations (Cmd. 6180) 36p. 8° Wash. [1940]

BERNSTEIN, H. The truth about The protocols of Zion, a complete exposure. 397p. 8° N. Y. [1935]

GRAEBER, I., BRITT, S. H. [et al.] Jews in a Gentile world. 436p. 24cm. N. Y., 1942.

BEARD, M. Anti-Semitism; product of economic myths. In *Jews in a Gent. World* (Graeber, I., & Britt, S. H.) N. Y., 1942, 362-401. — The myth of the international financier. *Ibid.*, 391-5. — BERMAN, L. The war and the American Jewish physician. *Med. Leaves, Chic.*, 1943, 5: 7-10. — BLOOM, L., KOENIG, S. [et al.] The American scene. In *Jews in a Gent. World* (Graeber, I., & Britt, S. H.) N. Y., 1942, 179-293. — BROWN, J. F. The origin of the anti-semitic attitude. *Ibid.*, 124-48. — & FREEMAN, E. The psychology of anti-Semitism. *Ibid.*, 123-78. — DAVIDSON, G. M. An interpretation of anti-Semitism. *Psychiat. Q.*, 1943, 17: 123-34. — EULER, R. Zur Frage der jüdischen Durchsetzung innerhalb der ländlichen Bezirke Kurhessens. *Arch. Rassenb.*, 1935, 29: 73-82. — FENICHEL, O. Psychoanalysis of antisemitism. *Am. Imago*, 1939-40, 1: No. 2, 24-39. — FREEMAN, E. Ethnocentrism. In *Jews in a Gent. World* (Graeber, I., & Britt, S. H.) N. Y., 1942, 173-8. — FRIEDRICH, C. J. Anti-Semitism; challenge to Christian culture. *Ibid.*, 1-18. — GLAZER, B. B. Christian-Jewish relations in the United States, with particular reference to movements and efforts for good will and better understanding. *Abstr. Theses Univ. Pittsburgh*, 1938, 14: 97-104. — GROSSDEUTSCHLAND. Das Judenproblem wird gelöst. *Aerztebl. Hessen*, 1939, 7: 51. — HARLAN, H. H. Some factors affecting attitude toward Jews. *Am. Sociol. Rev.*, 1942, 7: 816-27. — HERTZLER, J. O. The sociology of anti-Semitism through history. In *Jews in a Gent. World* (Graeber, I., & Britt, S. H.) N. Y., 1942, 62-100. — Jews as a nationality and the problems of assimilation. *Ibid.*, 83-6. — Crises and the Jew as a scapegoat. *Ibid.*, 79-8. — & PARSONS, T. The history and sociology of anti-Semitism. *Ibid.*, 61-122. — HORKHEIMER, M. The Jews and Europe. *Am. J. Sociol.*, 1940-41, 46: 638 (Abstr.). — ICHHEISER, G. Jews in a Gentile World; the Problem of Anti-Semitism, edited by Isaacs Graeber and Steuart Henderson Britt, N. Y., 1942. *Ibid.*, 1942-43, 48: 129-32. — KAMINSKI, H. E. Antisemitismo como odio sexual. In *his Nazismo*, B. Air., 1940, 72-5. — Satisfacción de la crueldad por el antisemitismo. *Ibid.*, 141-6. — KENNEDY, R. The position and future of the Jews in America. In *Jews in a Gent. World* (Graeber, I., & Britt, S. H.) N. Y., 1942, 418-32. — LESTCHINSKY, J. The position of the Jews in the economic life of America. *Ibid.*, 402-16. — LEVINGER, E. Zur Psychopathologie des Rassenhasses. *Zschr. ges. Neur. Psychiat.*, 1930, 129: 398-403. — MAYER, C. Religious and political aspects of anti-Judaism. In *Jews in a Gent. World* (Graeber, I., & Britt, S. H.) N. Y., 1942, 311-28. — OCHSENIUS, K. In eigener Sache. *Mscrh. Kinderh.*, 1934, 60: 229. — PARSONS, T. The sociology of modern anti-Semitism. In *Jews in a Gent. World* (Graeber, I., & Britt, S. H.) N. Y., 1942, 101-22. — The phenomenon of anti-Semitism. *Ibid.*, 114-8. — PEARSON, K. On Jewish-Gentile relationships. *Biometrika, Camb.*, 1936, 28: 32. — RANKIN, J. E. Stirring race trouble. *Congressional Record*, 1943, 89: A1583-7 (clipping). — Research project on anti-Semitism. *Stud. Philos. & Social Sc.*, 1941, 9: 124-43. — RUGG-GUNN, M. A. Jewish group settlements in Palestine. *J. R. Nav. M. Serv.*, 1938, 24: 56-9. — RUSSELL, C. E. The Gentiles and the revived jungle. *Bull. Centr. M. Coun. Brooklyn*, 1935, 1, 1: 8. — SAVITZ, H. A. Jewish physicians in the Zionist movement. *Med. Leaves, Chic.*, 1940, 3: 36-46. — WEIZMANN, C. Palestine's role in the solution of the Jewish problem. *Foreign Affairs*, 1941-42, 20: 324-38.

— Psychology.

MELAMED, S. M. Psychologie des jüdischen Geistes; zur Völker- und Kulturpsychologie. 2. Aufl. 222p. 4° Berl., 1921.

BEARD, M. The myth of Shylock. In *Jews in a Gent. World* (Graeber, I., & Britt, S. H.) N. Y., 1942, 376-85.

HUGENOT, Quaker, and Jew as internationalists. *Ibid.*, 385-91. — BROWN, F. A note on the stability and maturity of Jewish and non-Jewish boys. *J. Social Psychol.*, 1940, 12: 171-5. — DENEKE, T. Berufswahl und Volkseigenschaft der Juden. *Arch. Rassenb.*, 1935-36, 29: 437-58. — DRAPER, J. W. The psychology of Shylock. *Bull. Hist. M.*, 1940, 8: 643-50. — GARRIDO QUINTANA, F. El judaísmo psico-biológico en la vida y en los libros. *Actual. méd.*, Granada, 1940, 16: 149-77. — HANAUER. Zur Soziologie und Psychologie der jüdischen Ehen. *Zschr. Sexwiss.*, 1926-27, 13: 175-81. — HERTZLER, J. O. The radicalism of the Jews. In *Jews in a Gent. World* (Graeber, I., & Britt, S. H.) N. Y., 1942, 93. — MEYER, H. Nationalism and Jewish self-hatred. *Med. Leaves, Chic.*, 1940, 3: 108-18. — OFFNER, M. Die seelischen Nöte des ostjüdischen Kindes; ein Beitrag zur Psychologie der jüdischen Nervosität. *Internat. Zschr. Individpsychol.*, 1932, 10: 136-46. — ROSENTHAL, H. Die Musikalität der Juden. *Ibid.*, 1931, 9: 122-31. — ROSENZWEIG, E. M. Some notes, historical and psychoanalytical on

the people of Israel and the land of Israel with special references to Deuteronomy. *Am. Imago*, 1939-40, 1: No. 4, 50-64. — SACHS, H. The man Moses and the man Freud. *Psychoanal. Rev.*, 1941, 28: 156-62. — SHUEY, A. M. The intelligence of Jewish college freshmen as related to parental occupation. *J. Appl. Psychol.*, 1942, 26: 659-68. — Differences in performance of Jewish and non-Jewish students on the American Council Psychological Examination. *J. Social Psychol.*, 1942, 15: 221-43. — SPERLING, A. P. A comparison between Jews and non-Jews with respect to several traits of personality. *J. Appl. Psychol.*, 1942, 26: 828-40. — SWARD, K., & FRIEDMAN, M. B. Jewish temperament. *J. Appl. Psychol.*, 1935, 19: 70-84. — WOLBERG-SOBOLÉVIC, D. Contribution à l'étude de la psychologie différentielle des juifs. *Progr. méd.*, Par., 1931, 1584-600.

— Religion, magic and ritual.

See also such headings as Amulets; Cabbala; Demonology, etc.

LEVIN, S. I., & BOYDEN, E. A. The kosher code of the orthodox Jew. 243p. 23½cm. Minncap. [1940]

BAMBERGER. Die Hygiene der Beschneidung. In *Hyg. d. Juden* (Grunwald, M.) Dresd., 1911, 103-12. — BANETH, B. Das jüdische Ritualgesetz in hygienischer Beleuchtung. *Ibid.*, 43-103. — BUDGE, E. A. W. Hebrew amulets. In *his Amulets & Superstit.*, Lond., 1930, 212-38. — CLEMEN, C. Die Anwendung der Psychoanalyse auf die Erklärung der israelitisch-jüdischen Religion. *Arch. ges. Psychol.*, 1930, 77: 1-14. — EDER, M. D. The Jewish phylacteries and other Jewish ritual observances. *Internat. J. Psychoanal.*, Lond., 1933, 14: 341-75. — FELDMAN, S. The blessing of the Kohanim. *Am. Imago*, 1941, 2: 296-322. — FRIEDMAN, P. Jewish magic and superstition; a study in folk religion, by Joshua Trachtenberg, N. Y., 1939. *Psychoanal. Q.*, 1942, 11: 261-3. — FROMM-REICHMANN, F. Das jüdische Speiseritual. *Imago*, Wien, 1927, 13: 235-46. — ISAAC-EDERSHEIM, E. Messias, Golem, Alasver; drei mythische Gestalten des Judentums. *Internat. Zschr. Psychoanal.*, Lond., 1941, 26: 50; 179; 286. — KOENIG, S. Religious life. In *Jews in a Gent. World* (Graeber, I., & Britt, S. H.) N. Y., 1942, 226-33. — MELAMED, S. M. Die jüdische Religion und das zivilisatorische Leben. In *Psychol. jüd. Geistes* (Melamed, S. M.) 2. Aufl., Berl., 1921, 111-38. — PFISTER, O. Lösung und Bindung von Angst und Zwang in der israelitisch-christlichen Religionsgeschichte. *Internat. Zschr. Psychoanal.*, Lond., 1940, 25: 206-13. — VINCENT, A. La religion des judéo-araméens d'Éléphantine. *Anthropos*, Mödling, 1939, 34: 483 (Rev.)

— Sociology.

AMERICAN JEWISH JOINT DISTRIBUTION COMMITTEE. Aid to Jews overseas; report for 1939, with a resume of the first six months of 1940. 48p. 8° N. Y. [1940]

Aiding Jews overseas. 52p. 28cm. N. Y. [1941]

HYMAN, J. C. Twenty-five years of American aid to Jews overseas. 63p. 19½cm. N. Y., 1939.

BLOOM, L. The Jews of Buna. In *Jews in a Gent. World* (Graeber, I., & Britt, S. H.) N. Y., 1942, 180-99. — HAASE, H. Die Wohlfahrtspflege bei den Juden. In *Hyg. d. Juden* (Grunwald, M.) Dresd., 1911, p. 1. — KOENIG, S. The socio-economic structure of an American Jewish community. In *Jews in a Gent. World* (Graeber, I., & Britt, S. H.) N. Y., 1942, 200-42. — Social life of the community. *Ibid.*, 216-26. — Jews as members of the community at large. *Ibid.*, 233-42. — MAYER, J. The workers medical organization. *Med. Leaves, Chic.*, 1942, 4: 203-8. — Medical aid for Jewish refugees in Poland. *Am. M. Ass. News*, 1938, Dec. 22, 4. — WIRTH, L. The ghetto. *Am. J. Sociol.*, 1927, 33: 57-71.

JEWEL [incl. lithotherapy]

See also Jewelry industry; also in 3. ser. Stone, precious.

GERO, J. *Les pierres précieuses en thérapeutique. 42p. 8° Par., 1933.

BAUDOUIN, M., & LACOULOUMÈRE, G. Les bijoux en forme d'organes humains, le cœur vendéen. *Gaz. méd. Paris*, 1903, 12. ser., 3: 261; 277; 285; 293; 301. — BLISS, A. R., jr. The medicinal uses of gems and precious stones. *Messenger, Menasha*, 1936, 33: 249. — BUDGE, E. A. W. Stones and their prophylactic and therapeutic qualities. In *his Amulets & Superstit.*, Lond., 1930, 306-25. — GILLE, M. Les propriétés magiques et thérapeutiques des pierres précieuses. *Rev. prat. biol.*, Par., 1935, 28: 40-6. — GOLDMAN, L. The old charm of the mad stone with special reference to the famous stone of Cleves. *Ohio M. J.*, 1940, 36: 1100-2. — GRUTERINK, A. Lithotherapie. *Ned. tscrh. geneesk.*, 1913, 1: 907-10. — KNOCHE, W. Der heilige Stein von Louquima. *Zschr. Ethnol.*, 1914, 46: 639. — MEDICINAL (The) virtues of stones. *Brit. M. J.*, 1911, 2: 939. — MORGAN, E. L. Snakestones and madstones in the treatment of lyssa and other poisons. *Med. Era*, S. Louis,

1912, 21: 92-100.—**Rorie, D.** The stone in Scottish folk-medicine. *Caledon. M. J.*, 1909-11, 8: 410-5; pl.—**Türkel, S.** Luminiszenz- und Absorptionserscheinungen als Unterscheidungsmerkmale der Edelsteine und ihrer Surrogate. *Arch. Krim.*, 1926, 79: 143-50.

JEWELL, Norman Parsons [M. D., 1911, Dublin] & **KAUNTZE, W. H.** Handbook of tropical fevers. xii, 485p. 8°. Lond., Baillière, Tindal & Cox, 1932.

JEWELRY industry.

See also **Jewel**.

WURAFFIC, J., & HICKEY, C. V. A survey of industrial hygiene conditions in the jewelry industry of Rhode Island. 37p. 23cm. Providence, 1938.

Haas, L. J. Conservation bracelets. *Occup. Ther. Rehabil.*, 1943, 22: 44-8.—**Holtzman.** Die Hygiene der Schmuckwaren-industrie. *Zbl. Gewerbehyg.*, 1926, n. F., 3: 97-100.

JEWESBURY, Eric C. O. The life and works of Charles Barrett Lockwood (1856-1914) 103p. illust. portr. 8°. Lond., H. K. Lewis & co., 1936.

JEWESBURY, Reginald Charles, 1878—*Mothercraft, antenatal and postnatal.* ix, 178p. illust. pl. diagr. 8°. Lond., J. & A. Churchill, 1932. ALSO 2. ed. ix, 188p. 1937.

See also **Holland, E.**, **Jewesbury, R. C.**, & **Sheldon, W.** A doctor to a mother [etc.]. 96p. 8°. Lond. [1933]

JEWETT, Alice L., 1886—

See **Williamson, C. C.**, & **Jewett, A. L.**, ed. Who's who in library service. 2. ed. 612p. 26cm. N. Y., 1943.

JEWETT, Charles, 1842-1910. Manual of childbed nursing. 23p. 12°. Brooklyn, E. R. Pelton, 1889. ALSO another edition. 40p. 1891.

— The same. Lecture notes in obstetrics, for the use of students in the Long Island College Hospital. 162p. 8°. Brooklyn, N. Y., E. A. Day, 1890.

— The same. Outline of obstetrics; a synopsis of lectures delivered at the Long Island College Hospital. 177p. 8°. N. Y., Fairchild & co., 1892.

— The same. Outline of obstetrics; a syllabus of lectures delivered at the Long Island College Hospital. 264p. 8°. Phila., W. B. Saunders, 1894.

— Practice of obstetrics. 768p. 8°. N. Y., Lea bros & co., 1899. ALSO 2. ed. 786p. 1901.

— Syllabus of gynecology. 132p. 8°. Brooklyn, N. Y., New Era print. co., 1900. ALSO another ed. 170p. 1904. ALSO another ed. 178p. 1907.

See also **Dickinson, R. I.** Charles Jewett, teacher of teachers with some remarks on portraits of great men in medicine. *Med. Times*, N. Y., 1934, 62: 146-59, portr.

For portrait see Collection in Library.

JEWETT, Frances Gulick, 1854— Good health. Book one. viii, 172p. 12°. Bost., Ginn & co., 1906.

JEWETT, Theodore Herman, 1815-78. President's address to the Maine Medical Association at its annual meeting in Portland, June 11, 1878. 20p. 8°. Portland, Me., S. Berry, 1878.

JEWISH (The) deaf. N. York, v.6-10, 1920-24.

Incomplete.

JEWKES, Tomás Guillermo. *Osteomielitis del maxilar inferior y su tratamiento [Dent.] 35p. 26½cm. B. Air., Impr. Frascoli y Bindi, 1937.

JEZEQUEL, Alain Bastien Nicolas, 1910— *La pingücula. 50p. 25cm. Bord., J. Clèdes, 1934.

JEZEQUEL, Marcel, 1911— *Contribution à l'étude du traitement de l'acné. 57p. 24cm. Par., Jouve, 1939.

JEZEQUEL, Michel. *La chorée du chien [Alfort] 74p. 8°. Par., Vigot fr., 1932.

JEZEWSKI, Eberhard, 1908— *Ueber orthodontische Fixation [Leipzig] 30p. 8°. Zeulenroda, A. Oberreuter, 1932.

JEZIERNICKI, Abraham, 1911— *Les urticaires non digestives et l'état de l'estomac. 67p. 8°. Par., Picart, 1936.

JEZIERNICKI, Tojba Sznajder, 1913— *L'ulcération spontanée des hémangiomes; évolution et traitement. 35p. 24cm. Par., V. Degrange, 1938.

JEZLER, Adolf. *Versuche über Jodbindung an aromatische Körper [Basel] 18p. 8°. Berl., Springer, 1925.

Also *Zschr. ges. exp. Med.*, 1925, 46: 486-99.

JHIN-JHINIA.

See also **Neurosis**.

Chopra, R. N., & **Chaudhuri, R. N.** The so-called mystery disease of Calcutta (jhin-jhinia or thartharia) *Ind. M. Gaz.*, 1936, 71: 205-9.—**Jhin-jhinia**, or *neuromimesis*? *Ibid.*, 91.

JIANO, Jean, 1880—

Dartigues, L. [Biography] In *Fasc. script.* (Dartigues, L.) Par., 1932, 3: 722-6.

JICHLINSKI, Céline [M. D., 1936, Genève]

*Contribution à l'étude de l'action pharmacodynamique de l'acédicône (dihydro-déméthylacétyl-thébaine) 64p. 8°. Genève, P. Richter, 1936.

JIGGER.

See under **Tungidae**.

JIMENES-GRULLON, Juan I., 1903—

*Plan d'organisation de la lutte antipaludéenne. 67p. 8°. Par., M. Vigné, 1929.

JIMENEZ, Alfonso, 1907—

*Les septiciémies à pneumocoque chez le nourrisson; à propos d'un cas de septicémie pneumococcique avec ictere et foyers suppurés multiples chez un nourrisson. 76p. 24cm. Par., Le François, 1939.

JIMENEZ, Miguel F.

Valle, R. H. Miguel F. Jiménez. In *his Cirug. mex. siglo XIX, Méx.*, 1942, xxxiv-xxxvii.

JIMENEZ de Asua, Felipe, DIOS, Roberto

L. [et al.] Studien zur Tristezzafrage (Piroplasmose und Anaplasmosis der Rinder) 34p. 3 pl. 8°. Lpz., J. A. Barth, 1927.

Forms Beihft. 5, 31: *Arch. Schiffs Tropenhyg.*

JIMENEZ de Asua, Luis. Psicoanálisis criminal. 3. ed. 300p. 31cm. B. Air., Losada [1942]

JIMENEZ de Cisneros, Francisco, 1436-1517.

Coloma, R. Cisneros en Oran. *Ejército, Madr.*, 1941, No. 23, 28-35.

Portrait. In *Spanish Infl. Progr. Med. Sc.* (Wellcome Res. Inst.) Lond., 1935, 46.

JIMENEZ Diaz, Carlos. El asma y otras enfermedades alérgicas. xvii, 945p. illust. pl. 8°. Madr., Editorial España, 1932.

— Lecciones de patología médica. 3. ed. 2v. 1085; 1294p. illust. diagr. 25cm. Madr., Ed. Cienc. Méd., 1940.

— & **CANIZO, A. del.** Enfermedades del riñón (nefritis) 259p. illust. 8°. Madr., Ruiz, 1934.

JIMENEZ Galliano, Manuel Enrique, 1910—

*Le virage de la réaction de Casoni après intradermos répétées. 53p. 24cm. Par., L. Cario, 1938.

JIMENEZ Jaramillo, Nepomuceno,
-1934.

A la memoria del Doctor Nepomuceno Jiménez Jaramillo, Profesor de Clínica Obstétrica en la Facultad de Medicina de la Universidad de Antioquia. An. Acad. med. Medellín, 1934, 2: 1027, portr.

JIMENEZ Jiménez, Brunilda [M. D., 1936, Chile] *Luxaciones patológicas de la cadera [Chile] 40p. 26½cm. Santiago, Talleres Gráficos La Nación, 1939.

JIMENEZ de Pedro, J. Rapport sur les indications and applications thérapeutiques des eaux minérales azotées d'Urberuaga de Ubilla (Biscaye, Espagne) 31p. 20½cm. Bayonne, A. Lemaignère, 1886.

— Establecimiento termal de Urberuaga de Ubilla Marquina (Vizeaya) aguas nitrogenadas bicarbonatadas. 127p. 20½cm. Madr., L. Polo, 1887.

JIMENEZ Pinochet, Oscar [M. D., 1940, Chile] *Influencia de las hormonas sexuales sobre la sensibilidad de la fibra lisa intestinal ante los estímulos químico-fisiológicos [Chile] 24p. 25½cm. Santiago, Instituto Geográfico Mil., 1940.

JIMENEZ-RIVERO, Miguel. Dermosifilografía venezolana. 187p. illust. tab. diagr. 24cm. Caracas, Ed. Elite, 1936.

JIMENEZ Sierra, Julio.

For portrait see Bol. As. méd. nac., Panamá, 1941-42, 3: 11.

JIMENEZ Zamorano, Luzmira [M. D., 1938, Chile] *Iridocleisis de Holth; tratamiento quirúrgico del glaucoma [Chile] 88p. 3 tab. 26½cm. Nuñoa, Impr. Jeneral Diaz, 1938.

JINOT, Maurice, 1904— *Recherches sur l'hyposulfite de magnésium. 118p. 8°. 4 ch. Lyon, L. Sézanne, 1932.

JIRASEK, Arnold, 1887—

[Fiftieth anniversary of Prof. Arnold Jirásek] Cas. lék. česk. 1937, 76: 1049-55, portr.—**Henner, K.** (Prof. Jirásek—neurosurgcon) Ibid., 1055-7.—**Nikolaevich, S.** [Fiftieth anniversary] Voj. san. glasnik, 1937, 8: 349-51, portr.

JIRKA, Frank Joseph, 1886— American doctors of destiny; a collection of historical narratives of the lives of great American physicians and surgeons whose service to the nation and to the world has transcended the scope of their professions. xix, 361p. 20 portr. 23½cm. Chic., Normandie house [1940]

For biography see Phi Chi Quart., Menasha, 1934, 31: 421.
Portrait. In his Am. Doctors of Destiny, Chic., 1940, opp. p. 349.

JIROU, Fernande [née Roth] 1910—

*Contribution à l'étude des greffes pédiculées de l'ovaire dans l'utérus. 59p. 8°. Lyon, E. Vitte, 1937.

JITTA, Nicholaas Marinus Josephus, 1858—1940.

Aldershoff. Dr. N. M. Josephus Jitta. Tsch. sociale hyg., 1928, 30: 161, portr.—**Wilde, P. A. de.** Gouden artsjubileum Dr N. M. J. Jitta. Ned. tschr. geneesk., 1934, 78: 4598-600. See also **Loghem, J. J. van** [Obituary] Ned. tschr. geneesk., 1940, 84: 2216-8, portr.—**Obituary.** Brit. M. J., 1940, 2: 615. Also Lancet, Lond., 1940, 2: 574.

JIVKOFF, Michail, 1894— *Ueber Aetiology and Behandlung der Pyelitis. 10p. 8°. Lpz., E. Lehmann, 1926.

JIWKOWA, Ljuba, 1903— *Ein Fall von Friedreichscher Ataxie mit Lues cerebrospinalis. 27p. 8°. Berl., E. Ebering, 1929.

JOACHIM, Heinrich, 1860— Der Arzt im Einkommensteuergesetz. viii, 80p. 8°. Jena, G. Fischer, 1933.

JOACHIM, Henry, 1883-1941. Practical bedside diagnosis and treatment. 834p 26cm. Springf., Ill., C. C Thomas [1940]

For obituary see J. Am. M. Ass., 1941, 117: 1032.—**Tenney, C. F.** [Obituary] Ann. Int. M., 1941-42, 15: 779.

JOACHIM, Johannes Maior. De aureo perduto [or] Querela nummi perdit. 8 l. 16° [n. p.] 1555.

JOACHIM [Joseph Otto] Wolfgang, 1906— *Multiple Sklerose und Unfall [Göttingen] 40p. 8°. Hamb., A. Brümmer [1932]

JOACHIM, Kurt, 1909— *Ueber den Einfluss von Glukose auf die Coffeinwirkung (Dehydrierungen) [Münster] 17p. 21cm. Lengerich i. W., Lengericher Handelsdr., 1936.

JOACHIM, Otto, 1863-1941.

For obituary see Laryngoscope, 1941, 51: 1064.

JOACHIM, Werner, 1908— *Beitrag zur Diagnose und Differentialdiagnose atypischer Caudaaffektionen [Münster] 27p. 8°. Quakenbrück, R. Kleinert, 1935.

JOACHIMI, Heinz, 1910— *Die Ziegenmilchanämie junger, wachsender Ratten als Testmethode für Leberextraktpräparate [Göttingen] 16p. 22cm. Düsseld., G. H. Nolte, 1937.

JOACHIMOVITZ, Robert, 1892— Gonorrhoe der weiblichen Genitalorgane; ein Grundriss ihrer Pathologie, Klinik und Therapie. viii, 231p. illust. 6 pl. 8°. Wien, W. Maudrich, 1933.

JOACHIMSEN, Heinz, 1910— *Wachstumsbeeinflussung von Bohnenkeimlingen durch kurze elektrische Wellen. 19p. 23cm. Kiel, [n. p.] 1934.

JOACHIMSOHN, Paul.

Editor of, Schedel, H. Briefwechsel (1452-78) 218p. 23½cm. Tüb., 1893.

JOANIN, Albert, 1867— Aconitine et aconits. 99p. 8°. Par., Boulanger-Dausse & cie [19..]

JOANISSIAN, Marguerite [M. D., 1933, Genève] *Des dangers de l'emploi thérapeutique du chlorhydrate de diamino-méthyl-acridinium (trypaflavine) et spécialement de l'azotémie provoquée par ce médicament. 32p. 8°. Genève, Imp. Commerce, 1933.

JOANNES, Roger, 1914— *Quelques notes sur les troubles oculaires au cours de la grossesse. 45p. 24cm. Par., L. Pélaumourgue, 1939.

JOANNES Actuarius.

See Actuarius, Joannes.

JOANNIDES, Constantin T., 1907— *Le cycle génital de la femme dans la pratique gynécologique. 47p. 8°. Par., M. Vigné, 1932.

JOANNIDES, Minas, 1895—

For biography see Biogr. Encycl. World, 2. ed., N. Y., 1942, 217.

JOANNON, Pierre, 1894—

See **Debré, R., & Joannon, P.** La rougeole. 288p. 8°. Par., 1926. — & **Crémieu-Alcan, M. T.** La mortalité infantile et la mortalité. 464p. 8°. Par., 1933.

JOANNOU, Jean, *Thrombo-phlébite oblitérante du sinus cavernaux d'origine amygdalienne ou bucco-pharyngée. 48p. 8°. Par., L. Arnette, 1927.

JOANNOVIC, Georg, 1871-1932.

Kimla [Obituary] Cas. lék. česk., 1932, 71: 257.—**M., R.** [Biography] Verh. Deut. path. Ges., 1934, 27: 323-5.

JOAS, Fritz, 1914— *Ueber den Lungenbefund bei der Sauerstoffvergiftung [Heidelberg] 11p. 21cm. Ludwigshafen a. Rh., J. Waldkirch & cie, 1938.

JOB, patriarch.

Brim, C. J. Job's illness, pellagra. Arch. Derm. Syph., Chic., 1942, 45: 371-6.—**Lannols, M., & Lacassagne, J.** Quelques représentations sculpturales du saint homme Job. Aesculape, Par., 1938, 28: 32-46.—**Mayer, C. F.** Morbus Jobi; Job Patriarch, the patron saint of syphilis. Urol. Cut. Rev., 1936, 40: 296-9.—**Saint Job;** drawing by Mr. Andrew Komáromi-Kacz [Illust.] Deliber. Congr. dermat. internat. (1935) 1936, 9. Congr., 4: 65.

JOB, of Edessa [Ayyūb ar-Ruhāwī] Encyclopaedia of philosophical and natural sciences as taught in Baghdad about A. D. 817; or, Book of treasures; ed. and transl. by A. Mingana. xlviii, 470p. 8°. Cambr., W. Heffer & sons, 1935.

JOB, André, 1871-1928.

Urbain, G. Nécrologie. Bull. Soc. chim. France, 1929, 4. sér., 45:46: 185-94.

JOB, Leonard Bliss, 1891- *Business management of institutional homes for children. xi, 205p. 8°. N. Y., Teach. Coll. Columbia Univ., 1926.

JOB, Theistle Theodore, 1885- Lecture and laboratory outlines for anatomy. 2. ed. v. p. 8°. Ann Arbor, Edwards bros, 1931. Lithographed.

JOBIN, Georges, 1903- *La vie et l'oeuvre de Maillot, 1804-94. 50p. 8°. Par., Vigot fr., 1932.

JOBLING, James Wesley, 1876- For portrait see Nu Sigma Nu Bull., 1940-41, 30: 101; 1942, 31: 87.

JOBST [Anna Luise] Käte, 1906- *Ueber die medizinische Bedeutung der Birke. 18p. 8°. Würzb., G. Grasser, 1931.

JOBST, Otto, 1908- *Die Röntgen-diagnostik in der Gynäkologie, dargestellt nach dem Schrifttum 1900-32 [Würzburg] 68p. 8°. Gütersloh-Westf., Thiele, 1933.

JOCASTA complex.

See under Complex.

JOCCOTTON, Roger, 1905- *Contributions à l'étude de l'administration des hormones pancréatiques par la voie entérale. 45p. 8°. Par., M. Vigné, 1932.

JOCH, Willy, 1905- *Zur Frage der schwarzen Hautschrift (Dermographismus niger) [Erlangen] 22p. 8°. Nürnberg., E. Kreller, 1931.

JOCHAM, Ludwig, 1911- *Desinfektionsversuche mit Trichloräthylen in alkoholisch-wässrigen Lösungen an Keimträgern [Würzburg] 25p. 22cm. Münch., H. Jocham, 1935.

JOCHELSON, Waldemar, 1856- Archaeological investigations in Kamchatka. viii, 88p. pl. 4°. Wash., Carnegie Inst., 1928.

— Peoples of Asiatic Russia. 277p. pl. maps. N. Y., Am. Mus. Natur. Hist., 1928.

— The Yakut. p.33-225. map. 24½cm. N. Y., 1931.

Forms Anthropol. Papers Am. Mus. Natur. Hist., 33:

— History, ethnology and anthropology of the Aleut. v, 91p. illust. 4°. Wash., Carnegie Inst., 1933.

JOCHER, Alfred [M. D., 1926, München] *Haut und Psyche [München] 82p. 8°. Trier, A. Sonnenburg [1927]

JOCHER, Bruno, 1912- *Geruchssinn und Diagnose. 32p. 20½cm. Bonn, A. Brand, 1938.

JOCHIMOWICZ, Leib [M. D., 1934, Basel] *Die Beeinflussung der Geburt durch den Stand des Kopfes im Geburtsbeginn bei Primiparen mit normalem Becken. 19p. 8°. Basel, Philogr. Verl., 1934.

JOCHIMOWICZ-TRYLNIK, Debora [M. D., 1936, Basel] *Ueber einen Fall von Kleinhirntumor mit rudimentärer Symptomatologie [Basel] 19p. 8°. Łódź, I. Landau, 1936.

JOCHIMS, Hans Heinrich, 1905- *Ueber akute Todesursachen beim Morbus Addisoni [Kiel] 19p. 8°. Nordseebad Büsum, W. Clausen, 1928.

JOCHMANN, Erich, 1899- *Histo-hämo-renale Verteilungsstudien mit Jod-oxy-chinolin-sulfosäure (Yatren) p.255-76. 8°. Berl., J. Springer, 1926.

Also Zschr. klin. Med., 1926, 104:

JOCHMANN, Felix, 1902- *Einfluss der Rasse auf Geburt und gynäkologische Erscheinungen [Würzburg] 40p. 8°. Münch. [F. P. Datterer & cie] 1926.

JOCHUM, Günther, 1910- *Getarnte Schusswaffen. 14p. ch. 22½cm. Heidelb., Evangelischer Verl., 1936.

JOCHUMS [Heinrich] Wilhelm, 1907- *Wirtschaftskrise und Depressionszustände. 36p. 8°. Bonn, P. Kubens, 1933.

JOCKEL, Albert, 1907- *Ueber die Uterusaustastung nach früh- und rechtzeitigen Geburten. 24p. 8°. Giessen, Nitschkowski, 1933.

JOCKEL, Wilhelm, 1903- *Zur Kenntnis der sekundären miliaren Lungencarcinose [Freiburg i. B.] 23p. 8°. [Darmstadt, H. Hohmann] 1928.

JOCKISCH, Günther, 1902- *Trophoneurotische Störungen an der Haut nach endolumbalen Injektionen. 17p. 8°. Bresl., K. Vater, 1926.

JOCKS, Herbert [Karl Johannes Selpert] 1906- *Beitrag zur Frage des Einflusses der Ernährung auf den Chlor- und Milchzucker-gehalt der Milch und die Galterkrankung. 39p. 8°. Lpz., H. Pöppinghaus, 1934.

JOCKUSCH, Walter, 1908- *Klinische und histologische Beobachtungen an 21 Granulosa-Zelltumoren des Eierstocks. 40p. 23cm. Berl., K. & R. Hoffmann, 1939.

JODIN, Raymond, 1904- *Considérations statistiques sur la grossesse gémellaire; à propos de 249 cas (Clinique Tarnier 1922-30) 50p. 8°. Par., Vigot fr., 1930.

JODL, Erwin, 1907- *Steht die Wismut-Salvarsankur in ihrer Wirkung auf die Wassermann'sche Reaktion der Quecksilber-Salvarsankur nach? 23p. 8°. Münch., Bayer. Dr., 1931.

JODSSEWEIT, Georg Walter, 1908- *Untersuchungen über Tiranal. 31p. 8°. Königsb., Memelländ. Rundschau, 1935.

JOECK, Johannes, 1905- *Welche Bedeutung hat die Minusvariante Hulténs für die Entstehung der Lunatummalacie? 42p. 23cm. Berl., R. Pfau, 1936.

JOECKEL, Carleton Bruns, 1886- ed. Current issues in library administration; papers presented before the Library Institute at the University of Chicago, August 1-12, 1938. [2. impression] xii, 392p. incl. tab. diag. 23½cm. Chic., Univ. Chicago press [1940]

JOECKEL, Helmut, 1908- *Ueber Artefakte und Dermatitis symmetrica dysmenorrhoeica [Marburg] 29p. 22cm. Bochum, F. W. Fretlöh, 1934.

JOEHR, Albert C., 1907- *Reduktionserscheinungen an den oberen seitlichen Schneidezähnen dominant gehäuft in einem Schwyzer Bergdorf. p.73-131. ch. 8°. Zürich, O. Füssli, 1934.

Also Arch. Julius Klaus Stift., 1934, 9:

JOEHREN, Helmut, 1909- *Ueber die Erweiterung und Formgestaltung der Wurzelkanäle auf chemischem und instrumentellem Weg [Würzburg] 17p. 21cm. Wertheim a. M., E. Bechstein, 1936.

JOEL, Ernst. Das kolloide Gold in Biologie und Medizin; die Goldsolreaktion im Liquor cerebrospinalis. 115p. 8° Lpz., Akadem. Verl., 1925.

Forms Bd 2 of Kolloidforsch. i. Einzeldarst (R. Zsigmondy)

JOEL, Ernst. Die Behandlung der Giftsuchten, Alkoholismus, Morphinismus, Kokainismus. . . mit einem Anhang: die gesetzliche Behandlung der Giftsuchten. 118p. 8° Lpz., G. Thieme, 1928.

— & **FRAENKEL, F.** Der Cocainismus; ein Beitrag zur Geschichte und Psychopathologie der Rauschgifte. 111p. 8° Berl., J. Springer, 1924.

JOEL, Franciscus, 1508-79.

Schönfeld, W. Franciscus Joël, ein Greifswalder Professor der Medizin, Stadtphysikus und Apotheker; sein Leben und seine Werke. Derm. Wschr., 1929, 89: 1265-75.

JOEL, Günther, 1909-— *Weitere Untersuchungen über das Verhalten des E. K. G. bei Lungensilikose. 18p. 21cm. Bonn, Gebr. Scheur, 1938.

JOEL, Karl [M. D., 1934, Basel] *Ein malignes Haemangioendothelium der Pleura diaphragmatica. 21p. 8° Basel, Philogr. Verl. 1934.

JOEL, Werner, 1900-— *Ueber Hemiatrophia faciei progressiva (unter besonderer Berücksichtigung des Untersuchungsbefundes an 4 Fällen mit dem Adrenalinsondenversuch und farbiger Darstellung der Schweißsekretion) 17p. 8° Berl. [n. p.] 1932.

JOELLENBECK, Gustav Adolf, 1910-— *Untersuchungen über den Einfluss von Glykoll auf den Blutzucker [Kiel] 15p. 8° Gütersloh, Thiele, 1936.

JOELLENBECK, Heinrich, 1914-— *Experimentelle Darstellung der kompensatorischen Pause am Skelettmuskel [Marburg] p.347-51. 25cm. Münch., J. F. Lehmann, 1937.

Also Zschr. Biol., 1937, 98:

JOELSAS, Mejeris [M. D., 1940, Basel] *Die Beziehung der Malaria zum Nervensystem. 18p. 22½cm. Basel, B. Schwabe & co., 1940.

Also Schweiz. med. Wschr., 1940, 70:

JOENS, Wolfgang, 1907-— *Die Diagnose der Appendicitis [Kiel] 14p. 8° Bad Segeberg i. Holstein, C. H. Wäser, 1933.

JONSBORG, Ragnvald, 1852-90.

Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 617.

JOENSSON, Birger. Zur Epidemiologie der Kinderlähmung. 193p. 8° Stockh., Mercators Tryckeri, 1938.

Forms Suppl. 98, v.98, Acta med. scand.

JOENSSON, Gunnar. Malignant tumors of the skeletal muscles, fasciae, joint capsules, tendon sheaths and serous bursae. 304p. 10 pl. 8° Stockh., P. A. Norstedt & söner, 1938.

Forms Suppl. 36, Acta radiol.

JOERG, Erich, 1912-— *Beobachtungen über Einwirkungen des Tonstaubes in Tonbetrieben auf die Arbeiter, insbesondere auf die Mundverhältnisse derselben [Bonn] 31p. 21cm. Waldröhl, C. Haupt, 1936.

JOERG, Heinrich, 1907-— *Beiträge zur Kenntnis der Eigenreflexe der quergestreiften Muskeln beim gesunden Menschen; der Patellar- und Achillesreflex bei willkürlicher Hyperventilation der Lungen [Würzburg] p.150-8. 8° Münch., J. F. Lehmann [1933]

Also Zschr. Biol., 1933, 94:

JOERG, Miguel Eduardo [M. D., 1941, B. Aires] *La hepatitis aguda letal; atrofía amarilla y roja aguda genuina de Rokitsansky, 1842. 129p. 26¼cm. B. Air., A. Frascoli, 1941.

See also Mazza, S., Gajardo Tobar, R., & Jörg, M. E. Mepraia novum genus de Triatomidae. 30p. 27cm. B. Air.,

1940. Also Mazza, S., & Jörg, M. E. Reproducción experimental de nódulos. 18p. 27cm. B. Air., 1940. — Variabilidad del diseño somático de Triatoma infestans Klug. 22p. 27cm. B. Air., 1940. Also Mazza, S., Jörg, M. E. [et al.] Investigaciones sobre hemopatías. 42p. 27cm. B. Air., 1942. Also Mazza, S., Jörg, M. E., & Canal Feijóo, E. J. Investigaciones sobre la enfermedad de Chagas: Primer caso crónico mortal de forma cardíaca. 75p. 27cm. B. Air., 1938. Also Mazza, S., Jörg, M. E., & Gajardo Tobar, R. Debatida posición sistemática de un triatomideo chileno. 34p. 27cm. B. Air., 1941. Also Mazza, S., Talice, R. V., & Jörg, M. E. Investigaciones sobre Triatominae. 52p. 26¼cm. B. Air., 1942.

JOERGENSE, Dora, 1913-— *Ueber die Berufsgefährdung der Arbeiter einer Keksfabrik und den Zustand ihrer Zähne [München] 35p. 8° Lengerich-W., Lengericher Handelsdr., 1937.

JØRGENSEN, Alfred [Peter Carlslund] 1848-— Micro-organisms and fermentation. 6. ed., rev. & largely rewritten by Albert Hansen, and Aage Lund, with the assistance of C. Ainsworth Mitchell. xii, 416p. illust. 23cm. Lond., C. Griffin & co., 1939.

JØRGENSEN, Axel, 1870-1935.

Wulff, F. [Obituary] Ugeskr. laeger, 1935, 97: 130.

JØRGENSEN, Gunner. Ueber die Bestimmung der Phosphorsäure als Magnesiumammoniumphosphat und als Ammoniumphosphomolybdat. p.141-238. 27cm. Kbh., A. F. Høst & søn, 1905.

Forms No. 4, T. 2 of Mém. Acad. sc. Danemark.

JØRGENSEN, Jens Christian, 1867-1939. Salomonsen, K. E. [Obituary] Militærlaegen, 1940, 46: 34-6.

JØRGENSEN, Jørgen Olaf, 1875-— Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 618.

JØRGENSEN, Otto Juul, 1894-— Portrait. In Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 179.

JØRGENSEN, René Raymond, 1899-— Portrait. In Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 180.

JØRGENSEN, S. M., 1837-— Om iltens opdagelse. p.205-46. 27cm. Kbh., A. F. Høst & søn, 1907.

Forms No. 3, T. 4 of Mém. Acad. sc. Danemark.

JØRGENSEN, Sofus Andreas, 1873-— Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 618.

JOERISSEN, Hermann, 1901-— *Kritische Untersuchungen über das akute Hydrannion. 31p. 4 tab. 8° Bonn, L. Neuendorf, 1929.

JOERN, Carl, 1909-— *Experimentelle Untersuchungen über die Beeinflussung psychischer Leistungen durch artifizielle Blutdruckänderung [Bonn] 22p. 8° Stuttg., Christl. Verlagshaus, 1934.

— *Ueber Erschütterungsschäden der Gelenke. 27p. 8° Bonn, A. Brand, 1935.

JOERREN, Ernst, 1898-— *Zur Kasuistik der Trachealtumoren (ein Fall von Chondro-Osteo-Myxo-Sarkom der Trachea) 27p. 8° Gött. [n. p.] 1927.

JOEST, Ernst, 1873-1926.

Cohrs, P. Nekrolog. Zbl. allg. Path., 1926, 38: 193-5. — Gerlach. Nekrolog. Seuchenbekämpfung, Wien, 1926, 3: 277. — Hobmaier, M. Nekrolog. Münch. tierärztl. Wschr., 1926, 77: 393. — Nieberle. Nekrolog. Verh. Deut. path. Ges., 1927, 22: 316.

JOEST, Ernst Otto Walter, 1910-— *Der Krebs an der Papilla Vateri mit Mitteilung eines Falles von Gallertkrebs. 16p. 8° Giessen, Deut. Dr., 1935.

JOEST-DEGEN body.

See under Encephalomyelitis, Borna type: Virus.

JOESTER, Helmut, 1901-— *Ueberempfindlichkeit gegen zahnärztlich verwendete Materialien. 11p. 8° [Münster i. W., n. p., 1929]

- JOET, Edmond, 1912—** *Contribution à l'étude des mucines, la mucine proprement gastrique. 155p. 25½cm. Lyon, A. Rey, 1938.
- JOETTEN, Karl Wilhelm, 1886—** & **ARNOLDI, Wilhelm Friedrich.** Gewerbestaub und Lungentuberkulose (Stahl-, Porzellan-, Kohle-, Kalkstaub und Russ) eine literarische und experimentelle Studie. 256p. 8°. Berl., J. Springer, 1927.
- JOETTEN, Karl Wilhelm, PFANNENSTIEL, W. [et al.]** Die tierexperimentellen Grundlagen zur Behandlung von Typhus- und Paratyphusbazillenausscheidern. vi, 102p. 8°. Jena, G. Fischer, 1931.
- JOETTEN, Karl Wilhelm, & WEBER, Heinrich.** Lehrbuch der Gesundheitsfürsorge. 352p. 8°. Berl., R. Hobbing, 1932.
- JOFFARD, Raymond.** *Etude d'un aspergillus nouveau: *Aspergillus gingivalis* n. sp. [Strasbourg; Pharm.] 87p. 24cm. Par., Libr. Picart, 1936.
- JOFFE, Joseph, 1909—** *The nuclear spin of sodium. 38p. 8°. N. Y., Internat. Pr., 1933.
- JOFFE, Natalie F.** The Fox of Iowa. p.259-332. 23cm. N. Y., D. Appleton-Century co., 1940.
- In Accult. 7 Am. Indian tribes (Linton, R.)
- JOFFRE, Jean, 1911—** *Gommes syphilitiques de la cornée avec hypopyon. 51p. pl. 25cm. Lyon, Impr. I. L., 1933.
- JOFFRE, Joseph Jacques Césaire, 1852-1931.** Hanotaux, G. Nos grands chefs: Le Maréchal Joffre. 51p. 25½cm. [Par., 1920]
- JOFFROY, Alice, 1906—** *Idiotie avec amaurose par cataracte congénitale chez deux frères. 38p. pl. 24cm. Par., Jouve & cie, 1938.
- JOFFROY, Pierre, 1895—** *Recherches sur le fonctionnement respiratoire des adénoïdiens après l'ablation des végétations. 164p. 8°. Par., Vigot fr., 1926.
- JÖGERST, Arthur, 1908—** *Die Organisation der Kariesbekämpfung bei den Schulkindern der Schweiz. 52p. map. 8°. Freiburg i. B., K. Henn, 1932.
- JOHAE, Wolfgang, 1909—** *Prophylaxe und Therapie der Mastitis puerperalis [Berlin] 16p. 21cm. Lengerich i. W., Lengerich. Handelsdr., 1938.
- JOHAENTGES, Adolphe [M. D., 1934, Strasbourg]** *L'alimentation en eau potable du canton de Villersexel (Haute-Saône) 138p. map. pl. 8°. Strasb., Soc. Ed. Bosse-Alsace, 1934.
- JOHAN, Béla, 1889—** Rural health work in Hungary. 230p. illust. tab. 23½cm. Budap., State hygienic institute of Hungary, 1939.
- Forms No. 9, Pub. State Hyg. Inst. Hungary.
- JOHANN, Nepomuk Salvator, Erzherzog [Orth] 1852-1891.** Einblicke in den Spiritismus. 3. Aufl. 102p. 19cm. Linz, H. Korb, 1930.
- JOHANN, Werner, 1909—** *Ueber einen mit Strahlen behandelten und geheilten Fall eines Mundbodenkarzinoms [München] 19p. 8°. Würzb., R. Mayr, 1937.
- JOHANNES, of Alexandria, fl. 7. century.** Temkin, O. Johannes Alexandrinus in der griechischen Tradition. Janus, Leiden, 1932, 36: 217.
- JOHANNES, de Garlandia, fl. 11. cent.** Commentaire sus la table d'Hermès [transl. by Jacques Girard de Tournus] p.39-56. 32°. Lyon, 1557.
- In Baco, R. Le Miroir d'alq., Lyon, 1557, 1. pt.
- JOHANNES, de Sancto Amando.** See Jean, of Saint-Amand.
- JOHANNES, de Saxonia.** See al-Qabisi.
- JOHANNES, of Toledo [Hispanus]** See Juan ben David [Avendaut] of Toledo [Hispanus]
- JOHANNES, Franz, 1908—** *Klinische und tierexperimentelle Untersuchungen über die Wirkung der Dinitrokörper auf den Stoffwechsel [Würzburg] 37p. 21cm. Wertheim a. M., E. Bechstein, 1937.
- JOHANNES, Rudolf Alexander, 1900—** *Ueber eine Familie mit erblicher Hyperdaktylie (Syndaktylie, Hyperphalangie) 29p. 8°. Münch., V. Höfling, 1927.
- JOHANNES Angelicus.** See Gaddesden, Johannes [Anglicus] de
- JOHANNES Hispanus.** See Juan ben David [Avendaut] of Toledo [Hispanus]
- JOANNES Mercurius, of Correggio.** See Mercurius, Johannes.
- JOHANNESBURG, S. Transv. Central Mining—Rand Mines Group. Health Department.** Report. Johannesburg. (1934) 1935—
- JOHANNESBURG, S. Transv. Medical Officer of Health.** Report on the public health and sanitary circumstances of Johannesburg. Johannesburg., 1902—
- JOHANNESBURG, S. Transv. South African Institute for Medical Research.** The South African Institute for Medical Research. 4p. illust. 21½cm. Johannesburg., W. E. Hortor & co., 1918.
- Annual report. Johannesburg. (1934) 1935—
- JOHANNESBURG, S. Transv. Witwatersrand Medical Library.** Catalogue of the serial publications in the Witwatersrand Medical Library. x, 48p. 8°. Johannesburg., Witwatersrand Univ. pr., 1938.
- JOHANNESBURG, S. Transv.** Manifesto by the group of General Surgeons of the Johannesburg General Hospital. S. Afr. M. J., 1942, 16: 327.—
- Porter, C. Public health work in Johannesburg. World's Health, Genève, 1926, 7: 360-8.
- JOHANNESSEN, Fritz Arnold, 1885—** Portrait. In Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 174.
- JOHANNESSEN, Arne.** *Kliniske studier over urinvejsinfektioner hos born. 350p. 8. Kbh., Levin & Munksgaard, 1926.
- JOHANNESSEN, Axel Theodor, 1849—** De forskjellige dødsårsagers indflydelse paa spaedbarnsdødeligheden i Norge. 27p. 4 diag. 8°. Christiania, J. Dybwad, 1908.
- Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 605.
- JOHANNESSEN, Christen Georg, 1882—** Portrait. In Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 175.
- JOHANNESSEN, Ingvald Christian, 1876—** Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 609.
- JOHANNESSEN, Fritz, 1888—** Kinine in de geneeskundige practijk aan de hand van de gegevens der pharmacologie. 210p. 8°. Amst., Bur. Bevod. Kinine-Gebruik, 1930.
- The same. Chinin in der Allgmeinpraxis unter Berücksichtigung pharmakologischer Befunde. 232p. 2 pl. 8°. Amst., 1930.
- The same. Ein Nachtrag zu der 1930 erschienenen Ausgabe. 176p. 8°. Amst., 1932.
- Chinin-Formeln. 3. ed. 46p. 18°. Amst., Bur. Bevod. Kinine-Gebruik, 1933.
- JOHANNESWERTH, Friedrich, 1903—** *Ueber die primären Ergebnisse der Hasen-

scharten-Operationen. 18p. 8° Würzb. [n. p.] 1932.

JOHANNI, Johann Ulrich [M. D., 1903, Basel] *Ueber einen Anyloidtumor des Kehlkopfs und der Trachea [Basel] 19p. 2 pl. 8° Berl. [n. p.] 1903.

Also Arch. Lar. Rhinol., Berl., 1903, 14:

JOHANNIS, Wilhelm, 1900— *Ueber eine Beobachtung von essentieller Thrombozytopenie. 19p. 8° Grünberg, W. Siebert, 1937.

JOHANNISTAL, Germany.

Rühl. Neubau eines Krankenhauses in der Rheinischen Provinzial-Heil- und Pflege-Anstalt Johannistal bei Süchteln. Zschr. ges. Krankenhauswes., 1933, 247-9.

JOHANNSEN, Erik W. Nogle studier over de menneskelige isohaemagglutiner med saerligt henblik paa forholdene hos patienter med kraeft. 103p. tab. 25½cm. Kbh., Levin & Munksgaard, 1926.

JOHANNSEN, Oskar, 1913— *Tierexperimentelle Versuche über die Einwirkung von Apfel-Dicksaft, Apfel-Vollsaft und Apfel-Kurwasser auf den Vitamin-C-Haushalt sowie die Katalase- und den Hämoglobin-Gehalt des Blutes. 25p. 22cm. Marb., H. Bauer, 1937.

JOHANNSEN, Oskar Augustus, 1870— See Kingsbury, B. F., & Johannsen, O. A. Histological technique. 142p. 8° N. Y., 1935. Also Riley, W. A., & Johannsen, O. A. Medical entomology. xi, 476p. 8° N. Y., 1932.

JOHANNSEN, Rudolf, 1904— *Differenzierung von 50 Fällen von Hypertension. 29p. 8° [Tübingen, n. p., 1930]

JOHANNSEN, Wilhelm Ludwig, 1857-1927. Federley, H. [Obituary] Fin. läk. säll. hand., 1927, 69: 977-92.—Prafje, A. Nekrolog. Deut. med. Wschr., 1923, 54: 666.—Thomsen, O. Nekrolog. Hospitalstidende, 1927, 70: 1081-9, portr.—Wettstein, F. von. Nekrolog. Naturwissenschaften, 1928, 16: 350-2.

JOHANNSSON, Lisa, 1910— *Beiträge zur Statistik der Kieferbrüche an Hand der in den Jahren 1924-1933 an der Münchener Universitäts-Zahnklinik behandelten Fälle. 18p. 8° Münch., Bayer. Dr. [1933]

JOHANSEN, Anders. Sudhedsstyrelsens Aarsberetning for 1920. xiv, 439p. 12° Kbh., H. Hagerup, 1921.

JOHANSEN, J., 1823— Moldenhawer, J. [Psychiatrist] Nyt tskr. abnormvaes., Kbh., 1901, 3: 253-5, portr.

JOHANSSON, Ernst. Zur Therapie der Embolie der Zentralarterie der Retina. 86p. 8° Berl., S. Karger, 1937.

Forms H. 24, Abb. Augenb.

— Die Augenkrankheiten und ihre Behandlung bei Johannes Colerus. 53p. 8° Stuttg., F. Enke, 1939.

Forms Beih. 5, Klin. Mbl. Augenb.

JOHANSSON, John Erik, 1862-1938. Santesson, C. G. [Obituary] Hygiea, Stockh., 1938, 100: 225-35, portr.

For portrait see also Collection in Library.

JOHANSSON, Rut, 1907— *Versuche über künstliche Karies. 12p. 8° Würzb., K. Triltsch, 1931.

JOHANSSON, Sonja, 1909— *Ist auf dem Wege der nebenamtlichen Versorgung eines Landkreises eine Schulzahnpflege durchführbar? [Berlin] 35p. 8° Charlottenb., Gebr. Hoffmann, 1934.

JOHANSSON, Sven, 1880— The operative treatment of collum femoris fractures. 148p. illust. 8° Kbh., Levin & Munksgaard, 1934.

JOHLIN, Jacob Martin, 1884— Introduction to physical biochemistry. 231p. illust. tab. diagr. 24cm. N. Y., P. B. Hoeber [1941]

JOHN XXI [Petrus Hispanus] Pope, —1277. [Thesaurus pauperum] Tesoro de poveri. 60f. sm. 4° Venezia, Giovanni Aluisio de Varesi, 1490.

Capparoni, P. Di una rara traduzione italiana del secolo XIV del Thesaurus pauperum di Pietro Ispano. Riv. storia sc. med. 1928, 19: 55-62.—D'Amico, D. Un oculista divenuto Papa Giovanni XXI. Arch. ottalm., 1931, 38: 564-72.—Sudhoff, K. Petrus Hispanus, richtiger Lusitanus, Professor der Medizin und Philosophie, schliesslich Papst Johannes XXI. Med. Welt, 1934, 8: 857-9.

JOHN XXII, Pope, 1249-1334.

Esposito, A. Il coltello-antidoto di Giovanni XXII. Rass. clin. ter., 1938, 37: Suppl., 141-6.

JOHN, of Gaunt, 1340-99.

RICHARDSON, H. G. John of Gaunt and the parliamentary representation of Lancashire. 50p. 26½cm. Manchester, Engl., 1938.

JOHN, of Gmünden [Gamundia]

See Schindel, Johan.

JOHN, Alfons, 1909— *Ueber das Gefäßsystem der unterfränkischen Neugeborenen-schilddrüse. 12p. 8° Würzb., K. Roll, 1932.

JOHN, Bruno, 1903— *Ueber Kropfrezidive nach Radikaloperation. 26p. 8° Würzb., C. J. Becker, 1926.

JOHN, Carl [Johannes Werner] 1902— *Ueber akzessorische Milchdrüsen und Warzen, insbesondere über milchdrüsenähnliche Bildungen in der Achselhöhle [Breslau] p.691-708. 8° Berl., J. Springer, 1927.

Also Arch. Gyn., Berl., 1927, 126:

JOHN, Ernst, 1890— *Die Beteiligung der Hornhaut bei der Tuberkulose des Auges mit spezieller Berücksichtigung der Perforation. 36p. 8° Rostock, Adlers Erben, 1919.

JOHN, Helmut, 1903— *Die neue Münchener Kleinsiedlung "Am Hart" [München] 24p. plan. 21cm. Pfaffenhofen, Ilmgau-Dr., 1936.

JOHN, Henry Jerry, 1885— Technique in the management of diabetic patients. 62p. pl. 8° Cleveland, W. Feather co., 1927.

— Diabetic manual for patients. 202p. 8° S. Louis, C. V. Mosby co., 1928. Also 2. ed. 232p. illust. pl. 1934.

JOHN, Johannes, 1909— *Atmung und Kniebeugen. 11p. 8° Bresl., E. Jakubik, 1936.

JOHN, Johannes Martin, 1905— *Wieviele Armamputierte tragen ihre Prothese? [Leipzig] 15p. 8° Zeulenroda, A. Oberreuter, 1935.

JOHN, Karl, 1907— *Autophthalmoskopia [Breslau] 18p. 8° Bottrop i. W., W. Postberg, 1934.

JOHN, Manfred, 1904— *Beitrag zum Studium der kongenitalen Cholelithiasen. 31p. 8° Bresl., A. Schreiber, 1931.

JOHN, Max, 1911— *Wurzelbehandlungsmethoden und Wurzelfüllmaterialien und deren Schwierigkeit am Foramen apicale [Münster] 31p. 8° Bottrop i. W., W. Postberg, 1935.

JOHN, Otto, 1908— *Die haptische Erfassung der Raumrichtungen [Jena] 37p. 8° Zeulenroda, B. Sporn, 1935.

JOHN, Werner, 1902— *Die an der Chirurgischen Universitätsklinik zu Breslau von Ende 1919 bis Juni 1925 beobachteten Fälle von Wirbelsäulenverletzungen mit besonderer Berücksichtigung der Wirbelsäulenfrakturen. 29p. 8° Bresl. [n. p.] 1927.

JOHN, Wolfgang, 1908— *Zur Kenntnis spontaner Aneurysmen grosser herznaher Gefässe [Rostock] 14p. 21cm. Seestadt Wismar, Eberhardt, 1936.

JOHN B. Pierce Foundation.

See New Haven. John B. Pierce Laboratory of Hygiene.

JOHNE [Heinrich] Albert, 1839-1910. *Johnes Trichinenschauer; Leitfaden für den Unterricht in der Trichinenschau.* 13. Aufl. bearb. v. Richard Edelmann. vii, 112p. illust. diagr. 8°. Berl., P. Parey, 1933.

JOHNEN, Berndt R., 1908- *Das weisse Blutbild bei der Pockenimpfung. 16p. 8°. Würzb., G. Grasser, 1933.

JOHNEN, Karl, 1906- *Zur operativen Behandlung des Invaginationssileus beim Erwachsenen. 17p. 8°. Freib. i. B., E. Beckstein, 1931.

JOHNEN, Richard, 1900- *Zur Frage der Psychosen bei Metencephalitis. 32p. 8°. Bonn, P. Kubens, 1928.

JOHNE'S disease.

See *Paratuberculosis*.

JOHN Gabriel, Sister, 1874- Principles of teaching in schools of nursing. x, 128p. 8°. N. Y., Macmillan co., 1928.

— Practical methods of study; a textbook for student nurses. viii, 125p. 8°. N. Y., Macmillan co., 1930.

— Professional problems; a text-book for nurses. 158p. 8°. Phila., W. B. Saunders co., 1932. Also 2. ed. 224p. 1937.

— Through the patient's eyes; hospitals, doctors, nurses. 264p. 8°. Phila., J. B. Lippincott co. [1935]

JOHN ROCKEFELLER McCORMICK Memorial Institute for Infectious Diseases.

See under *Chicago*, Ill.

JOHN Rylands library.

See under *Manchester*, Engl.

JOHNS, C. K. The washing and sterilization of farm dairy utensils. 4p. 8°. Ottawa, 1928. Forms No. 64, Circ. Canada Dep. Agr.

JOHNS, Foster Matthew, 1890- See Bass, C. C., & Johns, F. M. Practical clinical laboratory diagnosis. 187p. 8°. Balt., 1929.

Dr **Foster M. Johns** elected president of American Society of Clinical Pathologists. *Messenger*, Menasha, Wisc., 1934, 31: 201-3.

JOHNS, Lillian G.

See Allen, G. M., & Johns, L. G. *Mother and child.* 111p. 19cm. Lond., 1939.

JOHNSEN, Débora Dorkas.

[Winner of Dr W. J. Denno's Award of Merit 1942] *Med. Bull.* (Standard Oil Co.) N. Y., 1941-43, 5: 406, portr.

JOHNSEN, Frederik Alfred, 1887-1930.

Baastrup, C. I. *Nekrolog.* Acta radiol., Stockh., 1930, 11: 452. Also *Fortschr. Röntgenstrahl.*, 1930, 42: 667.

JOHNSEN, Jakob Funnemark, 1868-

Portrait. In *Norges laeger* (Kobro, I.) Krist., 1915, 1: 610.

JOHNSEN, Joseph Frantz Oscar, 1838-1905.

Portrait. In *Norges laeger* (Kobro, I.) Krist., 1915, 1: 611.

JOHNSEN, Julia Emily. Socialization of medicine. 335p. 8°. N. Y., H. W. Wilson co., 1935. Also Supplement 47p. 1935.

JOHNSEN, Julius, 1856-1900.

Portrait. In *Norges laeger* (Kobro, I.) Krist., 1915, 1: 611.

JOHNSEN, Peder Otilius, 1895-

Portrait. In *Norges laeger* (Kobro, I.) Oslo, 1927, Suppl., 176.

JOHNSEN, Trude, 1872-

Portrait. In *Norges laeger* (Kobro, I.) Krist., 1915, 1: 612.

JOHNS Hopkins Hospital.

See under *Baltimore*, Md.

JOHNS Hopkins Medical Society.

Proceedings of a meeting of the Johns Hopkins Medical Society; held in the Hurd Memorial Hall, April 8, 1940. *Bull. Johns Hopkins Hosp.*, 1940, 66: 404-8.—*Proceedings* of the meeting of the Johns Hopkins Medical Society; held in the Hurd Memorial Hall, November 10, 1941. *Ibid.*, 1942, 70: 92-4.

JOHNS Hopkins University [An appeal for funds] 16p. 8°. [n. p., 1936?]

— Studies in education. Balt., No. 24, 1936.

Commemoration day. Johns Hopkins Alumni Mag., 1934, 22: 297-318.—Wolf, S. G. The development of an American institution (Johns Hopkins) *Phi Chi Q.*, Menasha, 1937, 34: 139-49, portr.

JOHNS Hopkins University. College for Teachers. Catalogue, summer session. Balt., 1943-

JOHNS Hopkins University. School of Business Economics. Catalogue number. Balt., 1942-

JOHNS Hopkins University. School of Engineering. Catalogue. Balt., 1943-

JOHNS Hopkins University. School of Hygiene and Public Health. De Lamar lectures. Balt., 1925/26-

— Report of the activities. Balt., 1928/29-

— Collected papers. Balt., 11. (1929/30) 1930-

— Directory of the graduates. 119p. 23cm. [Balt.] Johns Hopkins Univ., 1938.

— Report of the dean of the medical faculty to the president of the university. Balt., 1940-

See also *Ulmann*, D. A book of portraits of the faculty of the Medical Department of the Johns Hopkins University, Baltimore. 36 portr. fol. Balt., 1922.

Also *Argil*, G. La Escuela de medicina de la Universidad Johns Hopkins. *Medicina*, Méx., 1943, 23: Suppl. 111: 7.—*Bernal Flandes*, F. Datos sobre la Universidad de Johns Hopkins. *Rev. méd. veracruz.*, 1940, 20: 3224-7.—*Illustration* (The beginning, the Old Pathological; air view today) In *William Henry Welch* (Flexner, S.) N. Y., 1941, opp. p. 127.—*MacCallum*, W. G. Historical essays in the course in pathology at the Johns Hopkins University. *Meth. M. Educ.*, 1932, 20, ser., 81-3.—*Meyer*, A. Johns Hopkins University School of Medicine; outline of the first-year course. *Proc. Conf. Psychiat. Educ.* (1936) 1938, 4. Conf., 10-2.—*Muncie*, W. S. Johns Hopkins University School of Medicine; the second-year course. *Ibid.*, 13.—*Rennie*, T. A. C. Johns Hopkins University School of Medicine; the fourth-year course. *Ibid.*, 21-8.—*Richards*, E. L. Johns Hopkins University School of Medicine; the third-year course and utilization of the dispensary material. *Ibid.*, 15-21.—*Weed*, L. H. Department of Anatomy, Johns Hopkins University. *Meth. M. Educ.*, 1930, 17, ser., 223-6.

JOHNS Hopkins University. School of Medicine. Army Neuro-Surgical Laboratory. Collected papers. v. p. 8°. Balt., 1917-19.

JOHNS Hopkins University. School of Medicine. Department of Gynecology. Collected papers. Balt., 1922-

JOHNS Hopkins University. School of Medicine. Institute of the History of Medicine. Publications. Balt., 1934-37.

CONTENTS

3. ser.

Vol. 1. Renaissance of medicine in Italy. A. Castiglioni. 1934.

Vol. 2. Medical man and the witch during the Renaissance. G. Zilboorg. 1935.

Vol. 3. Early medieval medicine. L. C. MacKinney. 1937.

4. ser.

Vol. 1. Brief rule to guide the common people of New England how to order themselves and theirs in the small pocks, or measles, 1677. Thomas Thacher. 1937.

Vol. 2. Discourse upon the institution of medical schools in America, 1765. John Morgan. 1937.

Vol. 3. Adaptation in pathological processes, 1937. William H. Welch.

See also *Activities* (Medico-historical) in the United States; report of the activities of the Institute of the History of Medicine of the Johns Hopkins University during the academic year 1937-38. *Bull. Inst. Hist. M.*, 1938, 6: 858-81, portr.—*Flexner*, S., & *Flexner*, J. T. History of medicine. In their *William Henry Welch*, N. Y., 1941, 416-43.

JOHNS Hopkins University. School of Medicine. William H. Welch Medical Library. . . . An account of its origin and development,

together with a description of the building . . . vii, 153p. illust. plan. portr. 27cm. [Balt., Williams & Wilkins co., 1930]

— Bulletin. Balt., No. 1, 1943—

JOHNS Hopkins University. School of Medicine. Wilmer Ophthalmological Institute. Collected reprints. Balt., 1925—

— Studies in physiological optics; ed. by C. E. Ferree. 2 vols. 8°. Balt., Johns Hopkins Univ., 1928.

— Dedication of the Wilmer Institute. October 15 and 16, 1929. 88p. pl. 8°. Balt. [Waverly pr., 1929]

— Monographs. Balt., No. 2, 1934—

Dedication of the Wilmer Institute. Johns Hopkins Alumni Mag., 1930, 18: 133.—Dedication of the Wilmer Institute; programme. Bull. Johns Hopkins Hosp., 1930, 47: 44-54.—Wilmer, W. H. The Wilmer Institute of the Johns Hopkins Medical School and Hospital. Am. J. Ophth., 1927, 3. ser., 10: 346-9.

JOHNS Hopkins University. School of Nursing. List of graduates. Balt., 1939—

McCardell, L. Johns Hopkins takes air-raid precautions. Johns Hopkins Nurs. Alumnae Mag., 1942, 41: 68-71.—McElderry, B. The spirit of Hopkins! Trained Nurse, 1939, 103: 17-9.—Miss Lawlor to retire from Johns Hopkins. Ibid., 1940, 104: 440, portr.

JOHN Simon Guggenheim Memorial Foundation.

See Guggenheim Memorial Foundation, New York.

JOHNSON, Alexander, 1847-1941.

For obituary see Current Biogr., N. Y., 1941, 2: 439.

JOHNSON, Allen, 1890-1941.

For obituary see Texas J. M., 1941-42, 37: 574, portr.

JOHNSON, Alvin Saunders, 1874-

For biography see Current Biogr., N. Y., 1942, 3: No. 8, 25-7, portr.

JOHNSON, Andrew, 1860-

Biography. In Hist. Med. Nebraska (Tyler, A. F.) Omaha, 1928, 127.

For his signature on certificate given to E. S. Erving see Collection in Library.

JOHNSON, Anton Gisle, 1893-

Portrait. In Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 176.

JOHNSON, Ava L. Manual for physiology laboratory, Des Moines Still College of Osteopathy. 43p. 8°. Ann. Arb., Edwards bros., 1931.

— Study manual for blood, respiratory, muscle physiology. 55p. 8°. Ann Arb., Edwards bros., 1931.

JOHNSON, Alfred Forbes. A catalogue of engraved and etched English title-pages down to the death of William Faithorne, 1691. xi, 109p. 93 facsim. 4°. Oxford Univ. pr., 1934.

See also Halkett, S., & Laing, J. Dictionary of anonymous and pseudonymous English literature. New ed. 6 vols. 8°. Edinb., 1926-1932.

JOHNSON, Bascom, 1878-, comp.

Digest of laws and regulations relating to the prevention and control of syphilis and gonorrhea in the forty-eight states and the District of Columbia. viii, 438p. 23½cm. N. Y., Am. Social Hyg. Ass. [1940] ALSO 1942 Supplement. Rev. by George Gould. vi, 179p. map, tab. 23cm. N. Y., Am. Social Hyg. Ass. [1942]

P., J. B. [Biography] J. Social Hyg., 1942, 28: 149-51, portr.

JOHNSON, Charles Beneulyn, 1843-

For portrait see Collection in Library.

JOHNSON, Charles Lawson, 1886-

Johnson's latest collection of notes. 56p. 18°. Memphis, C. L. Johnson, 1932.

JOHNSON, Charles Nelson, 1860-

Principles and practice of filling teeth. 2. ed. 299p. illust. 8°. Phila., S. S. White Mfg. co., 1902.

— Operative dentistry. 276p. pl. diagr. 21cm. N. Y., Nat. Medical book co. [1938]

JOHNSON, Charles Spurgeon, 1893-

The Negro in American civilization; a study of Negro life and race relations in the light of social research. xiv, 538p. 8°. N. Y., H. Holt & co. [1930]

— A preface to racial understanding. ix, 206p. 8°. N. Y., Friendship pr. [1936]

— Growing up in the black belt; Negro youth in the rural South. Prepared for the American Youth Commission. xxiii, 360p. incl. tab. pl. 23½cm. Wash., Am. Council on Educ., 1941.

JOHNSON, Clarence T.

For biography see Hosp. Topics, 1937, 15: No. 3, 11.

JOHNSON, Clarence W.

See Johnson, L. A., & Johnson, C. W. How to build and maintain a practice. 147p. 8°. Denver, 1928.

JOHNSON, Clarence Walton. The history of the 321 infantry with a brief historical sketch of the 81 division. xv, 201p. pl. map. 8°. Columbia, S. C., R. L. Bryan co., 1919.

JOHNSON, Daniel Philip, 1905- *Contribution à l'étude de la lutte antituberculeuse; les caractéristiques de cette lutte aux États-Unis d'Amérique et en Suisse. 48p. 24cm. Lausanne, Held, 1937.

JOHNSON, Donald M. Confidence and speed in the two-category judgment. 52p. incl. tab. diagr. 23cm. N. Y., 1939.

Forms No. 241, Arch. Psychol., N. Y.

JOHNSON, Sir Edward, 1785-1862. Constipation, not a disease of the bowels; its true nature and cause discovered, and a safe and effectual remedy recommended. 30p. 32°. R. Lond., Hall & co., 1850.

JOHNSON, Edwin Peter, 1895- Fowl leukosis—manifestations, transmission, and etiological relationship of various forms. 21p. pl. tab. 23cm. Blacksburg, Va., Virginia Polytechnic Inst., 1941.

JOHNSON, Elizabeth A. A selected list of the publications of the Bureau of Labor Statistics; 1938 ed. iv, 30p. 23cm. Wash., 1939, ALSO 1940 ed. iv, 48p. 1941.

JOHNSON, Elizabeth S. Welfare of families of sugar-beet laborers; a study of child labor and its relation to family work, income, and living conditions in 1935 [2. Rep.] v, 100p. pl. 23cm. Wash., Gov. Print. Off., 1939.

JOHNSON, Emma.

See Goodspeed, H. C., & Johnson, E. Care and guidance of children. 309p. 20cm. Chic., 1938.

JOHNSON, Francis. Dictionary, Persian, Arabic, and English. iv, 1420p. 32cm. Lond., W. H. Allen & co., 1852.

JOHNSON, Francis Rarick, 1901- The influence of Thomas Digges on the progress of modern astronomy in sixteenth-century England. p.390-410. illust. 8°. Bruges, S. Catherine press, 1936.

In Osiris, Bruges, 1936, 1:

JOHNSON, Frank Willard, 1902-

For portrait see Hist. Med. Nebraska (Tyler, A. F.) Omaha, 1928, 443.

JOHNSON, Franklin Paradise, 1888-1943. Urogenital system. p.1421-88. 28cm. Phila., Blakiston co., 1942.

In Human Anat. (Morris, H.) 10. ed.

For obituary see J. Am. M. Ass., 1943, 121: 1173.

JOHNSON, Fred Gordon, 1872-

For portrait see Wisconsin M. J., 1942, 41: 704.

JOHNSON, Frederic Mortimer 1874-1942.

For obituary see J. Am. M. Ass., 1942, 119: 580. Also Rev. Gastroenter, 1942, 9: 250.—Tenney, C. F. [Obituary] Ann. Int. M., 1942, 17: 171.

- JOHNSON, Frederick Murray Godschild**, 1882-1941.
Shaw, A. N. [Obituary] Tr. R. Soc. Canada, 1941, 35: 121-5, portr.
- JOHNSON, George Edwin**, 1889- Control of mammals injurious to agriculture in Kansas. 10p. 8° Topeka, 1940.
Forms Circ. 198, Kansas Agr. Exp. Sta.
- JOHNSON, George Lindsay**, 1853- Contributions to the comparative anatomy of the reptilian and the amphibian eye, chiefly based on ophthalmological examination. p.315-53. 6 pl. 29cm. Lond., Harrison & sons, 1927.
In Philos. Tr. R. Soc. London, 1927, ser. B, 215:
- JOHNSON, Gisle**, 1822-94.
Portrait. In Festskr. K. Frederiks Univ., Kristiania, 1911, 2: 23.
- JOHNSON, Gisle Kristian**, 1889-
Portrait. In Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 177.
- JOHNSON, Glenn Herbert**, 1899- Relief and health problems of a selected group of non-family men. xiii, 81p. illust. 8° Chic., Univ. Chicago pr. [1937]
For biography see Phi Chi Q., Menasha, 1938, 35: 636 portr.
- JOHNSON, Gunnar**, 1895-
Portrait. In Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 177.
- JOHNSON, Guy**, 1740-88.
Gibb, H. L. Colonel Guy Johnson, superintendent general of Indian affairs, 1774-82. Papers Michigan Acad. Sc. (1941) 1942, 27: 595-613.
- JOHNSON, Harry Dash**, 1877-1936.
For obituary see Health Notes, Jacksonville, 1936, 28: 35.
- JOHNSON, Harvey Louis**. Perfect health; its attainment and preservation. 55p. 8° [Denver, Author, 1932]
— Sex-love and knowledge. 52p. 8° Denver, Author [1932]
- JOHNSON, Henry Porter**, 1855-1943.
For obituary see Minnesota M., 1943, 26: 459.
- JOHNSON, Herman Frank**, 1897-
For portrait see Nu Sigma Nu Bull., 1940-41, 30: 229; 1942, 31: 258.
- JOHNSON, Herman M.**, 1874-1936.
Benson, E. A. [Biography] Minnesota M., 1938, 21: 684-8.
- JOHNSON, Hosmer Allen**, 1822-91.
For portrait see Q. Bull. Northwest. Univ. M. School, 1943, 17: 83.
- JOHNSON, Howard Wilfred**, 1901-
See Miller, W. T., & Johnson, H. W. Differential staining of sections of unpreserved bovine udder tissue affected with mastitis. 4p. 8° pl., Wash., 1939.
- JOHNSON, Hugh S.**, 1882-1942.
Eyewash from the General. J. Am. M. Ass., 1937, 109: 716.
- JOHNSON, Humphrey John Thewlis**, 1890- Anthropology and the fall; with pref. by C. C. Martindale. xv, 93p. 12° Oxf., B. Blackwell, 1923.
- JOHNSON, Isaac, D.**, 1827- Therapeutic key; or, Practical guide for the homeopathic treatment of acute diseases. vi, 179p. 18° Phila., F. E. Boericke, 1872. Also 10. ed. vi, 347p. 16° 1881. Also 16. ed. 400p. 1889.
- JOHNSON, I. D.** Counsel to parents, and how to save the baby. 224p. 12° Kenneth Square, Pa., Author, 1889.
- JOHNSON, James**, 1778-1845. Change of air; or, The pursuit of health; an autumnal excursion through France, Switzerland and Italy, in the 1829; with observations and reflections on the moral, physical, and medicinal influence of travelling-exercise, change of scene, foreign skies, and voluntary expatriation. iv, 294p. 8° Lond., S. Highley, T. & G. Underwood, 1831.
- JOHNSON, James Francis**, 1882- Practical shop mechanics and mathematics. ix, 130p. diagr. 8° N. Y., J. Wiley & sons, 1916.
- JOHNSON, John F.**, 1841-1924.
Biography. In Hist. Med. Nebraska (Tyler, A. F.) Omaha, 1928, 443, portr.
- JOHNSON, John Raven**, 1900- Modern electronic concepts of valence. p.1595-1711. 23½cm. N. Y., J. Wiley & sons, 1938.
In Organic chem. (Gilman, H.) 1938, 2:
- JOHNSON, Joseph Taber**, 1845-1921.
For portrait see Collection in Library.
- JOHNSON, L. A., & MORROW, K. S.** The safety bull pen. 8p. 8° Durham, 1940.
Forms 228, N. Hampshire Exten. Circ.
- JOHNSON, L. E.** Medical adviser and guide to health, for the use of families; comprising over one hundred prescriptions. xvi, 104p. 8° Balt., King bros, 1888.
- JOHNSON, Lawrence A., & JOHNSON, C. W.** How to build and maintain a practice. xiii, 147p. 8° Denver [1928]
- JOHNSON, Leighton Foster**, 1891-
For portrait see Phi Chi Q., Menasha, 1939, 36: 428.
- JOHNSON, Lester J.**, 1899-
For portrait see J. Michigan M. Soc., 1941, 40: 892.
- JOHNSON, Lewis Jerome**, 1867-
See Gorgas, W. C., & Johnson, L. J. Two papers on public sanitation and the single tax. 2. print. 23p. 22½cm. Cincinnati, 1915.
- JOHNSON, Loren Bascom Taber**, 1875-1941.
For obituary see J. Am. M. Ass., 1942, 118: 244. Also Med. Ann. District of Columbia, 1942, 11: 39, portr.
- JOHNSON, Lucius Warren**, 1882-
Capt. Lucius W. Johnson receives first Modern Hospital gold medal award. Mod. Hosp., 1941, 57: No. 4, 69, portr.
- JOHNSON, Nathan Clarke**, 1882-
See Hool, G. A., & Johnson, N. C. Concrete engineers' handbook. 885p. 8° N. Y., 1918.
- JOHNSON, Nils G.** *Effect of chemical combination on X-ray emission spectrum; an experimental study of the $K\alpha_1$ -2-doublet of the elements 11 Na-16 S. 72p. 3 pl. 23½cm. Lund, P. Lindstedt, 1939.
- JOHNSON, Obed Simon**, 1881- A study of Chinese alchemy. xi, 156p. 8° Shanghai, Commercial press, 1928.
- JOHNSON, Peter Christian Espolin**, 1860-
Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 612.
- JOHNSON, Philip H.**, -1933.
For obituary see Decen. Suppl. First Century (Philadelphia Coll. Pharm.) Phila., 1934, 1. Suppl., 58, portr.
- JOHNSON, Raymond, & MAZZOLA, Joseph.** A toxicological study dealing with the effects of causalin on rabbits. [3]p. tab. 8° Brooklyn, Long Island Coll. Med. [1938?]
- JOHNSON, Richard Espolin**, 1869-
Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 613.
- JOHNSON, Robert T.** The doctor asks about accident and health insurance. 60p. 23cm. [N. Y., Reflector press, 1941]
- JOHNSON, Robert Wilkinson**, 1854-1930.
For obituary see J. Am. M. Ass., 1930, 95: 1850. Also Tr. Am. Surg. Ass., 1933, 51: 520.
- JOHNSON, Roy William**, 1896-
For portrait see California West. M., 1943, 58: 159.
- JOHNSON, Samuel**, 1709-84. A dictionary of the English language; in which the words are deduced from their originals, and illustrated in their different significations by examples from the best writers. To which are prefixed, a history of the language, and an English grammar. n. p. portr. 44cm. Lond., Harrison & co., 1786.
Brain, W. R. The medical and mental history of Dr Samuel Johnson. Brit. M. J., 1934, 2: 480.—Case (The) of Samuel Johnson. Canad. J. M. & S., 1927, 62: 57-61.—East, T.

Dr Samuel Johnson; his medical history as recorded by James Boswell. Brit. Heart J., 1942, 4: 43-8.—Hazen, A. T. Samuel Johnson and Dr Robert James. Bull. Inst. Hist. M., Balt., 1936, 4: 455-65.—Ladell, R. M. The neurosis of Dr Samuel Johnson. Brit. J. M. Psychol., 1929, 9: 314-24.—Rolleston, H. Samuel Johnson's medical experiences. Ann. M. Hist., 1929, n. ser., 1: 540-52.

JOHNSON, Scott, 1898-

For portrait see Collection in Library.

JOHNSON, Sydney Evans, 1889-
ROGERS, James Boyles, & COLE, Archie Evans. A guide for regional dissections of the human body. 4. ed. 189p. 23½cm. [Louisville] Dep. Anatomy Univ. Louisville, 1939. Also 5. ed. 1941.

JOHNSON, Thomas, 1597-1644.

Power, D. Botanist and barber surgeon. Glasgow M. J., 1940, 133: 201-5.

JOHNSON, Thomas Ross, 1880-1942.

For obituary see Nova Scotia M. Bull., 1942, 21: 140.

JOHNSON, Treat Baldwin, 1875- The chemistry of pyrimidines, purines, and nucleic acids. p.948-1017. 23½cm. N. Y., J. Wiley & sons, 1938.

In Organic chem. (Gilman, H.) 1938, 2:

JOHNSON, Victor Einar, 1901-

See Carlson, Anton J., & Johnson, V. E. The machinery of the body. 580p. 8°. Chic. [1937] Also Katz, L. N., & Johnson, V. E. Elements of electrocardiographic interpretation. 35p. 8° Chicago [1932]

JOHNSON, Vincent Clifton, 1902-

Hodges, F. J. Doctor Johnson resigns. Univ. Hosp. Bull., Ann Arb., 1942, 8: 56, portr.

JOHNSON, W. Scott.

See Bloomfield, J. J., Johnson, W., Scott, and Sayers, R. R. The potential problems of industrial hygiene in a typical industrial area in the United States. 35p. 8° Wash., 1934.

JOHNSON, Wendell, 1906- Because I stutter. With introd. by L. E. Travis. xv, 126p. 8° N. Y., D. Appleton & co., 1930.

— The influence of stuttering on the personality. 140p. illust. tab. 23½cm. Iowa City, Univ. Iowa, 1932.

Forms No. 5, v.5, Univ. Iowa Stud. Child Welf.

JOHNSON, William Arthur.

See Gwyn, N. B. The letters of a devoted father to an unresponsive son, student of medicine at McGill and London; being the letters of Osler's great inspiration, W. A. Johnson to his son James. Bull. Inst. Hist. M., Balt., 1939, 7: 335-51, portr.

JOHNSON, Wingate Memory, 1885-

The true physician; the modern doctor of the old school. xvi, 157p. 8° N. Y., Macmillan co., 1936.

See also Carpenter, C. C. Professor Wingate M. Johnson. North Carolina M. J., 1941, 2: 149.

JOHNSON & JOHNSON, New Brunswick, N. J. When the medical profession of New York paid homage to The Autocrat of the Breakfast Table. 134p. pl. 8° N. Brunswick, 1927.

— Operative procedure [Collection of plates] 2. ed. 52p. 8° N. Brunswick [1934]

— Physicians' suspensory guide. 8 l. illust. 81cm. N. Brunswick [1939?]

— Factories can be beautiful. [8]p. illust. 32 cm. N. Brunswick, 1942.

JOHNSON, Gunnar [M. D., 1932, Helsinki]
*Om sjukdomsorsakerna enligt Israel Hwasser, en medicinhistorisk studie [Helsinki] 164p. 23cm. Uppsala, Almqvist & Wiksell, 1932.

Also Upsala läk. fören. förh., 1932, 38:

JOHNSON, John William Schibbye, 1868-1929. L'anatomie mandchoue et les figures de Th. Bartholin; étude d'iconographie comparée. 42p. 8°. Kbh. A. F. Høst & søn, 1928.

Hult, O. T. [Obituary] Hygiea, Stockholm, 1929, 91: 113-5.—Lützöft, F. [Obituary] Hospitalstidende, 1929, 72: 184-6.—Van Andel, A. [Obituary] Janus, Leiden, 1929, 33: 49-51, portr.

JOHNSON, Julius Victor, 1858-1935.

For obituary see Fin. läk. säll. hand., 1935, 77: 816.

JOHNSTON, Bertie Rozel, 1895-

[A tribute] J. S. Carolina M. Ass., 1943, 39: 133.

JOHNSTON, Charles James, 1773-1856.

Portrait. In Chronicle Crichton Royal (Easterbrook, C. C.) Dumfries, 1940, opp. p. 12.

JOHNSTON, Earl Steinfeld, 1889-

Aerial fertilization of wheat plants with carbon-dioxide gas. 9p. pl. 8° Wash., 1935.

Forms No. 15, v.94, Smithsonian. Misc. Collect.

— Phototropic response and CO₂ assimilation of plants in polarized light. 7p. 8° Wash., D. C., 1937.

Forms No. 3, v.96, Smithsonian. Misc. Collect.

— Growth of Avena coleoptile and first internode in different wave-length bands of the visible spectrum. 19p. 8° Wash., D. C., 1937.

Forms No. 6, v.96, Smithsonian. Misc. Collect.

— Plant growth in relation to wave-length balance. 18p. pl. 8° Wash., D. C., 1938.

Forms No. 2, v.97, Smithsonian. Misc. Collect.

— & WEINTRAUB, Robert L. The determination of small amounts of chlorophyll-apparatus and method. 5p. pl. 8° Wash., D. C., 1939.

Forms v.98, No. 19, Smithsonian. Misc. Collect.

JOHNSTON, Franklin Davis, 1900-

Dr Johnston receives Russel award. Univ. Hosp. Bull., Ann Arb., 1938, 4: 47, portr.

For portrait see Nu Sigma Nu Bull., 1942, 31: 17.

JOHNSTON, George Ben, 1853-1916.

Hutcheson, J. M. George Ben Johnston. Ann. M. Hist., 1938, n. ser., 10: 15-22, 2 portr.

JOHNSTON, George Jameson, 1866-1926.

For obituary see Irish J. M. Sc., 1926, 6. ser., 643.

JOHNSTON, George W., 1851-

Biography. In Hist. Med. Nebraska (Tyler, A. F.) Omaha, 1928, 87.

JOHNSTON, J. H., & SIMPSON, R. H. The principles of practical bacteriology for scientific workers. viii, 110p. 12° Lond., J. & A. Churchill, 1927.

JOHNSTON, James Ambrose, 1860-1941.

Tucker, D. A., jr, Lyle, D. J., & Mitchell, E. W. [Obituary] J. Med., Cincin., 1941-42, 22: 469.

JOHNSTON, James Irvin, 1861-1930.

McCready, E. B. [Obituary] Tr. Am. Ther. Soc., 1930 (1931) 30: 13.

JOHNSTON, Jan.

See McCord, C. P., Holden, F. R., & Johnston, J. Basophilic aggregation test for lead absorption. 15l. 8° Cincin., 1935.

JOHNSTON, John Black, 1868-1939.

Rasmussen, A. T., Herrick, C. J., & Larsell, O. Obituary. Anat. Rec., 1940, 76: Suppl., 18-21.

JOHNSTON, J. Andrew, 1897-

For biography see J. Omaha Clin. Soc., 1941, 2: 110, portr.

JOHNSTON, Margaret Newell Woodwell, 1897-

See Newburgh, L. H., & Johnston, M. W. The exchange of energy between man and the environment. 118p. 8° Springf., 1930.

JOHNSTON, Oscar Joe Tanner, 1883-

For portrait see J. Arkansas M. Soc., 1937-8, 34: front.

JOHNSTON, Philip W. The relation of certain anomalies of vision and lateral dominance to reading disability. 154p. tab. diagr. 23½cm. Wash., Nat. Res. Council., 1942.

Forms No. 2, v.7, Soc. Res. Child Develop. Nat. Res. Council. U. S.

JOHNSTON, Ralph Sherwin, 1887-

Ralph Sherwin Johnston, M. D., President-elect, the Colorado State Medical Society. Rocky Mountain M. J., 1941, 38: 805, portr.

JOHNSTON, Raymond Charles, 1914-

*Orthopedic, gynecologic and urologic aspects of

low back pain [S. Francis Hosp.] 31p. 28cm. Peoria, Ill. 1940.

Typewritten.

JOHNSTON, Robert McKenzie, 1856–1930.
For obituary see Brit. M. J., 1930, 1: 1113. Also Lancet, Lond., 1930, 1: 1376.

JOHNSTON, Samuel, 1848–1925.
For portrait see Bull. Acad. M. Toronto, 1942–43, 16: opp. p. 1.

JOHNSTON, Sydney William, 1879–1941.
For obituary see J. Am. M. Ass., 1941, 117: 134.

JOHNSTON, Thomas Baillie, 1883– A
synopsis of regional anatomy. 2. ed. viii, 456p. 8°. Lond., J. & A. Churchill, 1928. Also 3. ed. xxiii, 460p. illust. 1934. Also 4. ed. xxi, 462p. diagr. 20½cm. Phila., Lea & Febiger, 1939.

See also Beesly, L., & Johnston, T. B. A manual of surgical anatomy. 3. ed. 12°. Lond., 1927.
Editor of Gray, H. Anatomy. 26. ed. 1516p. roy. 8°. Lond., 1935.

JOHNSTON, Thomas James William Abraham, 1871–1942.

For obituary see S. Afr. M. J., 1942, 16: 149.

JOHNSTON, Thomas Lee, 1902– *The
effects of carbon dioxide as a respiratory stimulant in cases of asphyxia pallida neonatorum [St Elizabeth's Hospital] 14 l. 4°. Appleton, Wisc., 1929.

Typewritten.

JOHNSTON, William.

Portrait. In Chronicle Crichton Royal (Easterbrook, C. C.) Dumfries, 1940, opp. p. 172.

JOHNSTON, William A., 1860–1943.
For obituary see Illinois Dent. J., 1943, 12: 225.

JOHNSTON, Wirt, 1845–1900.
Underwood, F. J., & Whitefield, R. N. [Biography] In their Pub. Health Mississippi, Jackson, 1938, 107, portr.

JOHNSTON, Zebulon Vance, 1884–
For portrait see J. M. Ass. Georgia, 1943, 32: 121.

JOHNSTONE, James. The essentials of biology. xv, 328p. 8°. Lond., E. Arnold & co., 1932.

JOHNSTONE, John Carlyle, 1855–1927.
For obituary see Lancet, Lond., 1927, 2: 1157.

JOHNSTONE, Mary M. S., 1870–1940.
For obituary see Women in Med., 1941, No. 71, 21.

JOHNSTONE, Sir Robert James, 1872–1938.
Lowry, C. G. Obituary. J. Obst. Gyn. Brit. Empire, 1939, 46: 319–22, portr.—Obituary. Brit. M. J., 1938, 2: 969–71, portr.; 1235. Also Lancet, Lond., 1938, 2: 1087, portr. Also Ulster M. J., 1939, 8: 48–50.

JOHNSTONE, Robert William. A text-book of midwifery for students and practitioners. 6. ed. xxiv, 447p. illust. 8°. Lond., A. & C. Black, 1932. Also 8. ed. xvii, 471p. 1936. Also 10. ed. xv, 491p. 1939. Also 11. ed. xvi, 524p. 1942.

See also Kerr, J. M. M., Johnstone, R. W. [et al.] eds. Combined textbook of obstetrics and gynaecology. 3. ed. 1192p. 25½cm. Edinb., 1939.

JOHNSTONE, Rutherford Thompson, 1894–
Occupational diseases; diagnosis, medico-legal aspects and treatment. xiii, 558p. illust. tab. form. 24cm. Phila., W. B. Saunders co., 1941.

JOHNSTONE-DOUGLAS, Arthur Henry.
Portrait. In Chronicle Crichton Royal (Easterbrook, C. C.) Dumfries, 1940, opp. p. 284.

JOHNSTONIA.

See Raillietina.

JOHNSTON-LAVIS, Henry James, 1856–
On the effects of volcanic action in the production of epidemic diseases in the animal and in the vegetable creation, and in the production of

hurricanes and abnormal atmospherical vicissitudes. xii, 67p. 12°. Lond., J. Bale, sons & Danielsson, 1914.

JOHNSTON-SMITH, Charles, 1881–1943.
For obituary see Brit. M. J., 1943, 1: 205.

JOHNSTOWN, Pa. Conemaugh Valley Memorial Hospital. Report. 1896–1900.
West, R. M. Conemaugh Valley Memorial Hospital, Johnstown. In her Hist. Nurs. Pennsylvania, 1939, 319–21.

JOHNSTOWN, Pa.

West, R. M. Cambria Hospital, Johnstown. In her Hist. Nurs. Pennsylvania, 1939, 263. ——— Mercy Hospital, Johnstown. Ibid., 486.

JOHONNOT, James, 1823–88, & **BOUTON, Eugene.** How we live; or, The human body, and how to take care of it; an elementary course in anatomy, physiology, and hygiene. 162p. 12°. N. Y., D. Appleton & co., 1884. Another ed. 174p. 1885. Another ed. 178p. 1886.

JOHORE. General Adviser. Annual report on the social and economic progress of the people of Johore. Johore Bahru, 1913–

JOHOW, Arnulfo [M. D., 1938, Chile] *Labio leporino y fisura palatina; tratamiento quirúrgico y sus resultados [Chile] 59p. 25½cm. Santiago, Impr. Artes y Letras, 1938.

JOIE, Stephen, 1912– *Résection endoscopique de la prostate; soins préopératoires; conditions de bénignité et de succès. 59p. 25½cm. Lyon, Bosc frères, 1939.

JOINT.

See also Bone and Joint; Cartilage; Extremity; Ligament; Locomotor system; Synovia; Synovial membrane; also specific names of joints as Knee joint, etc.

NEW YORK CITY. HOSPITAL FOR JOINT DISEASES. Annual report. N. Y., v.4, 1910–

——— Bulletin. N. Y., v.1, 1940–

TERRY, R. J. The articulations. p.266–376. 28cm. Phila., 1942.

Hippocrates. On the articulations. Med. Classics, 1938–39, 3: 210–77. ——— Mochlicus. Ibid., 278–98.—Wood, J. K. Joints of the lower extremities with special consideration of their syndesmosis; ossification of the bones of the lower extremity. Clin. J. Chiropody, 1934–35, 7: 329–32; 1936, 8: 43–6.

Abnormity.

See also subheading Deformity; also specific names of abnormities as Chondro-osteodys-trophy, etc.

SCHICK, H. *Eine Perthes-ähnliche Deformität beider Hüftgelenke im Verbindung mit Aplasien der Fingergelenke. 27p. 21cm. Tüb., 1938.

Bignami, G., & Runco, A. Iconografia radiologica di anomalie di sviluppo degli arti; quadri da fusione e difetto. Arch. radiol., Nap., 1939, 15: 191–214.—**Boyd, H. B.** Congenital pseudarthrosis; treatment by dual bone grafts. J. Bone Surg., 1941, 23: 497–515.—**Brdiczka, G.** Vererbare und angeborene multiple Synostosen an zahlreichen Gelenken der oberen und unteren Extremität. Fortsch. Röntgenstrahl., 1938, 58: 228–33.—**Cipek, J.** [Symmetrical congenital contracture of all the joints] Cas. lek. česk., 1930, 69: 856–60.—**Cuilleret, F. D.** Raideurs articulaires congénitales. In Traité chir. orthop. (Ombredanne) Par., 1937, 1: 543–9.—**Diachenko, V. A.** [Multiple hypoplasia of the joints] Vest. rentg., 1934, 13: 434–8.—**Johnson, R. W., jr., & Van Derwerker, E. E.** Congenital deformities. In Textb. Surg. (Christopher, F.) 3. ed., Phila., 1942, 513–8.—**Rochlin, D. G.** [Hereditary symmetrical hypoplasia of the joints] Vest. rentg., 1927, 5: 35–43. ——— Ueber die hereditäre symmetrische Gelenkhyoplasie. Zschr. ges. Anat., 2. Abt., 1927–28, 13: 654–63.—**Runco, A.** Iconografia radiologica di anomalie di sviluppo degli arti; quadri da eccesso; quadri di difetto. Arch. radiol., Nap., 1939, 15: 268–317.—**Sever, J. W.** Hereditary arthrodysplasia associated with dystrophy of the nails; report of a case. N. England J. M., 1938, 219: 87–9.—**Shear, M. M.** Kongenitale Ankylosen. Anz. Inaugur. Diss. Med. Fak. Univ. Bern (1935–37) 1938, No. 144, 1.—**Turner, J. W.** An hereditary arthrodysplasia associated with hereditary dystrophy

of the nails. J. Am. M. Ass., 1933, 100: 882-4.—**Wilmoth, C. L.** Hereditary joint abnormalities; case report. South. M. J., 1930, 23: 1001.

— Actinomycosis.

Baroni, B. Actinomycosi articolare (ricerche sperimentali) Ann. ital. chir., 1928, 7: 684-720.—**Beitzke, H.** Aktinomykose der Gelenke. In Handb. spez. path. Anat. (Lubarsch & Henke) 1934, 9: pt 2, 563-7.

— Adhesion.

See subheadings (Ankylosis; Contracture; Injury; Surgery)

— Angioma.

Bennett, G. E., & Cobey, M. C. Hemangioma of joints; report of 5 cases. Arch. Surg., 1939, 38: 487-500, pl.—**Cobey, M. C.** Hemangioma of joints. Ibid., 1943, 46: 465-8.

— Ankylosis.

See also subheading Contracture.

GUYOT, L. Goniométrique articulaire; contribution à l'évaluation des ankyloses et des raideurs articulaires par les mensurations goniométriques. 101p. 8°. Par., 1933.

PAYR, E. Gelenksteifen und Gelenkplastik. Bd 1. 880p. 8°. Berl. 1934.

HARVEY, J. L. Ankylosis of joints; case report. Radiology, 1928, 10: 510.—**JONES, R. W.** Adhesions of joints and injury. Brit. M. J., 1936, 1: 925-9.—**LITTLE, N.** Adhesions in and around joints. Med. J. Australia, 1938, 1: 891-3.—**MACAUSLAND, W. R.** Ankylosis of joints. Internat. J. M. & S., 1935, 48: 93-105.—**RAHL, C. R. H.** Die Entstehung, Verhütung und Behandlung der Gelenksteifen. Verh. Deut. orthop. Ges. (1936) 1937, 31: 288-311. Also Zbl. Chir., 1937, 64: 483.—**STRONG, P. M.** Synarthrosis vellosi case. Charlotte M. J., 1905, 26: 390.

— Ankylosis: Etiology.

See also subheadings (Abnormality; Immobilization; Injury) also under primary conditions as Arthritis; Dislocation; Fracture; Osteoarthritis; Scleroderma; Syphilis, etc.

WANNEMACHER, A. *Ist die Gelenkversteifung bei der Ruhigstellung in Gips eine Folge des Gipsverbandes? [München] 22p. 8°. Dillingen, 1930.

ENGEL, H. Strümpfische Erkrankung der Wirbelsäule mit völliger Verknöcherung fast aller Körpergelenke. Deut. med. Wschr., 1935, 61: 752.—**KALIKHMAN, E. Y.** [Ankylosing polyarthritis] Orthop. travmat., 1934, 8: 28-32.—**KIENBÖCK, R.** Ueber die Inaktivitätssynostose der Gelenke. Zschr. orthop. Chir., 1933, 60: 4-9.—**LAMB, H. W.** The causes of limitation of motion and ankylosis, after fractures in and about joints. J. Maine M. Ass., 1927, 18: 74-9.—**MAKARENKO, A. I., & MAYAT, V. S.** [Ankylosing polyarthritis] Russ. klin., 1930, 13: 586-605.—**PAN, F. Y.** Die Zerstörung des Lerserschen Bolzens im Gelenkspalt. Arch. klin. Chir., 1926, 139: 191-7.—**ROEHR, H. L., DUBOURG, E., & POUYANNE, L.** Polyarthrite ankylosante; redressement; résultat. Bordeaux chir., 1936, 7: 435.—**SONNENBERG, K.** Experimentelle Erzeugung von Arthritis ankylopoetica. Virchows Arch., 1934, 293: 724-37.—**STIVEN, H.** A case of ankylosing arthritis. J. Egypt. M. Ass., 1937, 20: 614-6.

— Ankylosis: Pathology.

KOCH, E. *Die Funktionsübernahme versteifter Gelenke durch benachbarte Gelenke bei Versteifungen der unteren Extremitäten. 24p. 8°. Freib. i. B. [1935]

THIELE, W. *Ueber Wachstumsstörungen bei Ankylosen [Leipzig] 29p. 8°. [Zeulenroda i. Thür.] 1929.

Ossificazione rapida dei tessuti fibro-cartilaginei, o anchilosi semplice generale. Filariate sebezio, Nap., 1831, 3: 69-73.—**RABSON, S. M.** Ueber Anpassungsvorgänge des Knorpel- und Knorpelgewebes im versteiften Gelenk. Virchows Arch., 1933, 291: 624-42.—**RISAK, E.** Zur Pathologie und Klinik der Ankylosen. Arch. klin. Chir., 1928, 125: 133-6 [Discussion] 144-50. Also Deut. Zschr. Chir., 1928, 211: 86-115.—**ROSI, A. L.** Knorpelbiologische Studie an der Hand einer Gelenkankylose beim Kind. Virchows Arch., 1932, 284: 256-94.—**SARCEVIC, M.** Artriture ad artritosi; uno schema della classificazione delle così dette contratture ed anchilosi. Chir. org. movim., 1922, 6: 421-4.—**SIEGEL, L., & ZSCHAU, H.** Untersuchungen über die Entstehung knöcherner Ankylosen. Deut. Zschr. Chir., 1933, 239: 205-28.—**THOMSEN, W.** Die

statischen und mechanischen Auswirkungen von Gelenkversteifungen an den unteren Extremitäten. Arch. klin. Chir., 1938, 193: 633-43 [Discussion] 92.

— Ankylosis, therapeutic.

See subheading Surgery: Methods: Arthrodesis.

— Ankylosis: Treatment [and prevention]

See also subheading Immobilization.

ABRAHAMSEN, H. [Treatment of joint ankyloses] Ugeskr. læger, 1920, 91: 231-6.—**ADÃO, L.** Contribuição para o tratamento de alguns tipos de anquilose. Med. contemp., Liss., 1934, 52: 213-6.—**AMELINE, A.** Sur un cas de polyarthrite ankylosante traité par la parathyroïdectomie. Bull. Soc. nat. chir., Par., 1933, 59: 764-70.—**BOLLING, L. A.** Limitation of joint function in long bones; prophylaxis and correction; demonstration of a subject with apparatus. Internat. J. Surg., 1928, 41: 123.—**BROSS, W., & HILAROWIEZ, H.** Künstliche Azidose als Heilverfahren bei paraartikulären Ossifikationen und postoperativen Gelenkversteifungen. Zbl. Chir., 1935, 62: 2855-62.—**CALONGE, S. D.** Treatment of fibrous ankylosis of knee and elbow joints. J. Am. M. Ass., 1927, 89: 1427.—**CHURCH, F. H.** Forcible extension in an ankylosed joint. J. M. Soc. N. Jersey, 1931, 28: 914.—**COMISSO, E.** Diffusa epidermolisi bollosa dopo artrolii incruenta. Arch. ortop., Milano, 1926, 42: 138-41.—**DE MUNTER.** Traitement des ankyloses articulaires graves par la mobilisation douce combinée. Arch. fr. belg. chir., 1923, 26: 578-82.—**MOBILISATION forcée et douce combinée dans les ankyloses graves.** Ann. méd. phys., Anvers, 1926-27, 19: 101-4.—**EIKENBARY, C. F.** The problem of ankylosed or partially ankylosed joints. Northwest M., 1928, 27: 575-7.—**FISCHER, R.** Traitement curatif et préventif des ankyloses et des arthrites post-traumatiques par l'acétylcholine. Presse méd., 1933, 41: 475-9.—**FRANCIILLON, M. R.** Ueber die Verhütung der durch Ruhigstellung bedingten Gelenkversteifung durch Acetylcholin. Zschr. orthop. Chir., 1935, 63: 197-205.—**GABRIEL, G.** Balneo- und Mechanotherapie septischer und infektiöser Gelenkversteifungen. Zschr. wiss. Bäderk., 1926-27, 1: 664-71.—**HECKENBROCH.** Unblutige Mobilisation fibrös versteifter Gelenke. Verh. Deut. orthop. Ges. (1933) 1934, 28. Congr., 308-18.—**HAANSEK, J.** [Physical therapy of ankylosed joints] Cas. lek. česk., 1935, 74: 953-6.—**HASS, J.** Wann und wie sollen versteifte Gelenke mobilisiert werden? Wien. klin. Wschr., 1928, 41: 406-8.—**HENSON, E. B.** The use of oxygen in joints in preventing adhesions from trauma and infection. South. M. J., 1940, 33: 776-8.—**HOFFMANN, V.** Antirheumatische Arzneibehandlung traumatischer Gelenkversteifungen. Zbl. Chir., 1927, 54: 590.—**JEANNENEY, G.** Sept cas de rhumatisme chronique ankylosant traités par parathyroïdectomie. Bordeaux chir., 1933, 4: 113-32.—**LAQUERRIERE, LOUBIER & JAUDÉL.** Les raideurs articulaires; leur physiothérapie. Rev. actin., Par., 1931, 7: 308-17.—**LENGENHAGER, K.** Zur Mobilisierung bindegewebiger Ankylosen; zur Prophylaxe postoperativer Ankylosen. Schweiz. med. Wschr., 1935, 65: 581-3.—**MACAUSLAND, W. R.** Mobilization of ankylosed joints. Rapp. Congr. Soc. internat. chir., 1924, 6: 155-232, 100 pl.—**NEGRO, F.** Primi risultati ottenuti con estratti di lobo posteriore di ipofisi nella cura della poliartrite cronica primaria anchilosa. Gior. Accad. med. Torino, 1933, 96: 79.—**NIEDERECKER, G.** Unblutige Gelenkmobilisationen. Verh. Deut. orthop. Ges. (1937) 1938, 32: 228-34. Also Orvosköz., 1939, 29: Dec. kölönf., No. 2, 126-51.—**PAYR, E.** Ueber Erkennung und Behandlung der ruhenden Infektion; mit besonderer Berücksichtigung des Skelettes und der Gelenkversteifungen. Arch. klin. Chir., 1928, 153: 515-49.—**STUMPFEGGER.** Narkosebeugung des bindegewebig verloteten Gelenks. Med. Klin., Berl., 1940, 36: 1255 (Abstr.)—**TADDEI, D.** Di un caso di poliartrite anchilosa giovanile trattato con emiparatiroidectomia. Riforma med., 1929, 45: 519-22.—**TRUETA RASPAJ, J.** La paratiroidectomia en la poliartitis anquilosa. Med. iber., 1934, 29: pt 2, 15-7.—**UFFREDUZZI.** La parathyroïdectomie dans les poliartrites ankylosantes et dans les ostéoses. P. verb. Congr. fr. chir., 1933, 42: 307-17.—**WATERMANN, H.** Behandlung durch Knochenbrüche verursachter veralteter Knie- und Ellenbogenversteifungen. Zbl. Chir., 1939, 66: 2639. Also Arch. orthop. Unfallchir., 1939-40, 40: 180-3.

— Ankylosis: Treatment, surgical.

See also subheading Surgery, plastic.

MACAUSLAND, W. R., & MACAUSLAND, A. R. The mobilization of ankylosed joints by arthroplasty. 252p. 8°. Phila., 1929.

BERESIN, I. F. [Opeel operation in ankylosed polyarthritis] Orthop. travmat., 1931, 5: 66-9.—**CAMPBELL, W. C.** Results of arthroplasties or re-constructions of ankylosed joints. South. M. J., 1928, 21: 924-6.—**Surgery of the ankylosed joint.** Surg. Gyn. Obst., 1932, 55: 747-57.

Ankylosis and arthroplasty. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 8: 321-64, pl.—**CORNIOLEY, C.** L'arthroplastie, méthode générale de traitement des ankyloses. Rev. méd. Suisse rom., 1930, 50: 342; 408.—**DE GAETANO, L.** Contributo alla cura delle anchilosi ossee con l'artroplastica. Chir. org.

movim., 1934, 20: 417-23.—Devine, H. B. Free fat and fascia transplantation in the treatment of ankylosed joints and diseases of bones, etc. Med. J. Australia, 1914, 1: 123-9.—Epstein, S. Fracture of ankylosed extremities. J. Bone Surg., 1936, 18: 529-31.—Guleke, N. Ueber die operative Behandlung völlig versteifter Gelenke. Berl. klin. Wschr., 1921, 58: 1149-52.—Hackenbroch. Knochenatrophie in blutig mobilisierten Gelenken. Verh. Deut. orthop. Ges. (1928) 1929, 23. Kongr., 112-5.—Hass, J. Die Mobilisierung ankylotischer Ellbogen- und Kniegelenke mittels Arthroplastik. Arch. klin. Chir., 1930, 160: 693-715.—Horváth, B. (Operative mobilization of ankylosed joints) Orv. hetil., 1935, 79: mecl., 1.—Jerusalem, M. Ueber operative Heilung knöcherner Ankylosen. Wien. med. Wschr., 1926, 76: 294.—Kraft, H. C. Ankylose osseuse des deux hanches et fibreuse des deux genoux; arthroplastie de la hanche droite. Rev. méd. Suisse rom., 1926, 46: 699.—Lenormant, C. Le traitement chirurgical des ankyloses des membres. Progr. méd., Par., 1930, 329-39.—McDonald, J. E. Treatment of ankylosis by arthroplasty; report of cases. J. Oklahoma M. Ass., 1930, 23: 142-6.—Satta, F. Artroliisi e artroplastice in anchilosi bilaterali. Arch. ortop., Mil., 1932, 48: 613-37.—Sitkovsky, P. P., & Mukhin, M. V. [Problem of mobilization of ankylosed joints] Vest. khir., 1929, 17: 5-17.—Zatsepin, T. S., & Miakotnykh, S. I. [Effectiveness of operative treatment in restricted movements of joints] Sovet. khir., 1932, 2: 97.—Zemgulys, J. [Mobilization of ankylosed joints following fractures] Medicina, Kaunas, 1939, 20: 810-6.

— Arthritis.

See **Arthritis**; **Osteoarthritis**; **Osteoarthropathy**; **Rheumatic fever**; **Rheumatism**; also under name of primary conditions as **Tuberculosis**, **articular**, etc.

— Arthrogryposis.

See also **Amyoplasia**.

FRENSCHE, H. D. *Ueber die Arthrogryposis multiplex congenita. 24p. 23½cm. Berl.-Charlottenb., 1938.

KRAUSE, A. *Ueber die Arthrogryposis multiplex congenita. 28p. 8°. Bresl., 1932.

STOLZER, M. *Les raideurs articulaires congénitales multiples. 32p. 8°. Lausanne, 1936.

Bloom, A. R. Hereditary multiple ankylosing arthropathy. Radiology, 1937, 29: 166-71.—Giordano, A. Zur Frage der angeborenen Gelenkstarrheit. Verh. Deut. path. Ges., 1937, 30: 460-8.—Holmes, L. P., Michel, H. M., & Levy, J. H. Hereditary multiple ankylosing arthropathy. Bull. Univ. Hosp. Georgia, 1939, 1: No. 2, 9-12.—Horeysek, L. Multiple angeborene Gelenkstarrheit (Arthrogryposis multiplex congenita) Zschr. Orthop., 1938, 68: 424-9.—Lewin, P. Arthrogryposis multiplex congenita. J. Bone Surg., 1925, 7: 630-6.—Listov, A. F. [Clinical aspect of arthrogryposis in children] Pediatra, Moskva, 1940, No. 11, 56-60.—Micotti, R. Considerazioni su due casi di rigidità articolari multiple. Osp. maggiore Novara, 1938, 15: 323-35.—Nicod, P. Raideurs articulaires congénitales des quatre membres chez un garçon de 12 ans. Bordeaux chir., 1938, 9: 269. Also J. méd. Bordeaux, 1939, 116: pt 1, 413-8.—Poli, A. Sulla rigidità articolare multipla congenita e sull'assenza congenita della rotula. Arch. ortop., Milano, 1927, 43: 796-825.—Rocher, H. L. Les raideurs articulaires congénitales multiples. P. verb. Congr. fr. chir., 1928, 37: 1048-52. — & Laporte, A. Un nouveau cas de raideurs articulaires congénitales multiples. Bordeaux chir., 1931, 2: 419-23.—Rocher, H. L., & Ouay, G. Deux cas de raideurs articulaires congénitales multiples. Ibid., 1930, 1: 300.—Ruiz Moreno, M., & Geser, R. F. Rigideces articulares congénitas múltiples. Sem. méd., B. Air., 1939, 46: pt 1, 236-45.—Scarlino, G. Sulle rigidità articolari congenite multiple e sul loro trattamento. Arch. ortop., Milano, 1926, 42: 453-94.—Schapira, C. Sulle rigidità articolari congenite multiple. Ibid., 1935, 51: 305-58.—Seidler, F. Arthrogryposis congenita (multiple congenital articular rigidity: Arthrogryposis multiplex congenita) Arch. Dis. Childh., Lond., 1932, 7: 117-36.—Zarazaga, J. Artrogrupos multiple, amioptasia congenita o rigideces articulares multiples. Rev. ortop. traumat., B. Air., 1939, 8: 237-45. Also Dia méd., B. Air., Ed. espec., 1940, 198.

— Arthrosis deformans.

See **Osteoarthritis**.

— Capsule.

See also subheading **Synovial membrane**.

BRUNN, A. Das Verhältniss der Gelenkkapseln zu den Epiphysen der Extremitätenknochen; an Durchschnitten dargestellt. 26p. 8°. Lpz., 1881.

Efskind, L. Experimentelle Untersuchungen über die Anatomie und Physiologie der Gelenkkapsel. Acta orthop. scand., 1941, 12: 214-308.—Hueper, W. C. Joint capsules and tendon sheaths. In his Occup. Tumors, Springfield, 1942, 665-7.

— Capsule: Disease and tumor.

See also subheading **Periarticular tissue**.

Beckman, T., & Ivarsson, G. Ueber sogenannte Chondromatose der Gelenkkapsel. Acta chir. scand. 1928, 63: 551-69, 3 pl.—Frangenheim, P. Das gutartige xanthomatoe Riesenzellsarkom der Gelenkkapsel. Arch. klin. Chir., 1929, 157: 738-51.—Haberler, G. Zur Frage der Aetiologie und Therapie der Gelenkkapselchondromatose. Zschr. orthop. Chir., 1927-28, 49: 582-95. — Ueber polyartikuläre Chondromatose der Gelenkkapsel. Ibid., 1935, 63: 22-31. — & Kreibitz, W. Beitrag zur Klinik und Diagnostik der Gelenkkapselchondromatose. Ibid., 1932, 56: 1-17.—Harbitz, F. [Primary tumors of joint capsules] Norsk mag. lægevid., 1927, 88: 369-75.—Janker, R. Ueber Chondromatose der Gelenkkapsel. Deut. Zschr. Chir., 1928, 211: 135-60.—Kartal, S. Chondromatosis of the joint capsule. Surg. Gyn. Obst., 1930, 51: 99-108.—Porzinsky, K. Zur Symptomatologie der Gelenkkapselchondromatose. Deut. Zschr. Chir., 1932, 236: 761.—Puky, P. von. Ueber die Chondromatose der Gelenkkapsel. Arch. klin. Chir., 1937, 188: 719-38.—Venezian, E. Processi morbosi primitivi della capsula articolare; contributo alla conoscenza delle cisti del menisco e degli angioni capsulari. Chir. org. movim., 1929, 14: 266-84.—Wahlgren, F. Ueber die von Schnenscheiden und Gelenkkapseln ausgehenden sogenannten Riesenzell-tumoren mit besonderer Berücksichtigung der Pathogenese. Acta path. microb. scand., 1936, Suppl. 26, 77-89.—Weiss, K., & Löwenstein, W. Ueber einen Fall von polyartikulärer Kapselosteommatose. Fortsch. Röntgenstrahl., 1929, 39: 1089-93.

— Cartilage.

BÄR, E. *Elastizitätsprüfungen der Gelenknorpel [Kiel] p.739-60. 8°. Berl., 1926. Also Arch. Entwmech., 1926, 108: 739-60.

Borgi, B. La reazione attuale dei tessuti articolari. Arch. Soc. biol. Montevideo, Suppl., 1930-32, 697-708.—Bowie, M. A., Rosenthal, O., & Wagoner, G. Observations on respiration in articular cartilage. Ann. Rheum. Dis., Lond., 1940-41, 2: 216-23.—Bressou, C., & Vladutiu, O. Sur la mécanogenèse du cartilage articulaire. Bull. Acad. vét. France, 1940, 13: 23-6.—Elliott, H. C. Studies on articular cartilage; growth mechanisms. Am. J. Anat., 1936, 58: 127-45, 2 pl.—Freund, E. Active and passive pleat formation of joint cartilage. Arch. Path., Chic., 1934, 18: 186-98. — Joint cartilage under infraphysiologic, ultraphysiologic and euphysiologic demands. Arch. Surg., 1939, 39: 596-623.—Giussani, A. Osservazioni sulla morfogenesi articolare; orientamento spaziale delle mitosi cartilaginee. Monit. ostet. gin., 1937, 8: 94-105.—Grósz, T. [Artificial modification of the structure of articular cartilage] Orv. hetil., 1941, 85: 245.—Hills, G. M. The metabolism of articular cartilage. Biochem. J., Lond., 1940, 34: 1070-7.—Lorenz, U. Ueber die gröbere Struktur der Uebergangszonen des Gelenknorpels in die Knochenpongiosa (vorläufige Mitteilung) Verh. Anat. Ges. 1928, 37: 221-7.—Lutwak-Mann, C. Enzyme systems in articular cartilage. Biochem. J., Lond., 1940, 34: 517-27.—Masturzo, A. Les processus déshydrogénatifs du cartilage articulaire après la section des tendons musculaires qui s'attachent à l'articulation. Rev. rhumat., Par., 1939, 6: 526-31.—Niessen, H. Untersuchungen über die Zwischenknorpel der Gelenke. Arch. orthop. Unfallchir., 1933-34, 34: 495-529.—Rosenthal, O., Bowie, M. A., & Wagoner, G. Studies in the metabolism of articular cartilage; respiration and glycolysis of cartilage in relation to its age. J. Cellul. Physiol., 1941, 17: 221-33. — The nature of the dehydrogenative ability of bovine articular cartilage. Ibid., 1942, 19: 15-28. — The dehydrogenative ability of bovine articular cartilage in relation to its age. Ibid., 333-40.—Rouvière, H. Sur la raison d'être de la différence de consistance que présentent, chez l'homme, les cartilages hyalins articulaires. Arch. Inst. Benjamin Baptista, Rio, 1939, 5: 19-24.—Saäf. Studien über die funktionelle Anpassung des Gelenknorpels. Schweiz. med. Wschr., 1942, 72: 246 (Abstr.)

— Cartilage: Disease.

Bennett, G. A., & Bauer, W. Further studies concerning the repair of articular cartilage in dog joints. J. Bone Surg., 1935, 17: 141-50. — & Maddock, S. J. A study of the repair of articular cartilage and the reaction of normal joints of adult dogs to surgically created defects of articular cartilage, joint mice and patellar displacement. Am. J. Path., 1932, 8: 499-524, 11 pl.—Gordon, F. N. Calcification of interarticular cartilages. Med. Bull. Veterans Admin., 1933, 10: 159-61.—Krogdahl, T. [On true joint fissure] Nord. med., 1939, 2: 1137.—Phemister, D. B. Fate of detached articular cartilage. Tr. Chicago Path. Soc., 1934-35, 14: 245.

Cavity.

See also subheading Synovial membrane.

Frugoni, P. Osservazioni embriologiche e considerazioni sulla comparsa della cavità articolare. Arch. zool. ital., 1931, 16: 772-4. Also *Monit. zool. ital.* (1930) 1931, 41: Suppl., 165-7.—**Key, J. A.** The mechanisms involved in the removal of colloidal and particulate carbon from joint cavities. J. Bone Surg., 1926, 8: 666-83.—**Kuhns, J. G., & Weatherford, H. L.** Role of the reticulo-endothelial system in the deposition of colloidal and particulate matter in articular cavities. Arch. Surg., 1936, 33: 68-82.—**Pescatori, F.** La fisiopatologia del cavo articolare in rapporto al componente sinoviale. Chir. org. movim., 1929-30, 14: 451-76.—**Stoia, I., & Stoia, H. I.** [Physiopathological observations on joint cavities] Spitalul, 1940, 60: 203.

Chemistry.

Bauer, W., Short, C. L., & Bennett, G. A. The manner of removal of proteins from normal joints. J. Exp. Med., 1933, 57: 419-33.—**Borghi, B.** La reazione attuale dei tessuti articolari. Minerva med., Tor., 1930, 21: pt 2, 913-7.—**Dodds, E. C.** Note on research into biochemistry of the joints. In *Rep. Chron. Rheum. Dis.* (Buckley, C. W.) Lond., 1936, No. 2, 103.—**Kurahasi, S.** Morphologische Untersuchung über die Fette des menschlichen Skelettes und seiner Gelenke. Tr. Soc. path. jap., 1940, 30: 657-9.—**Policard, A., & Revol, L.** Teneur en soufre des divers constituants histologiques des articulations chez les mammifères. C. rend. Soc. biol., 1938, 127: 626-8.

Chondromatosis and osteomatosis.

See also subheading Loose body; also Chondromatosis, osseous; Synovial membrane.

INN SAYED, M. T. *Ueber Gelenkehondromatose [Heidelberg] 23p. 8°. Walldorf, 1929.

LIAPPI, A. A. *Ueber Gelenkehondromatose oder Gelenkkapselhondrome. 29p. 8°. Lpz., 1928.

RAAB, F. *Ueber die Gelenkehondromatose [Giessen] 15p. 8°. Grünberg, 1929.

SCHMIDT, F. *Ueber Gelenkehondromatose [Berlin] 23p. 22½cm. Würzb., 1936.

THELER, W. *Ueber das solitäre Gelenkhondrom (Gelenkhondromatose) [Zürich] 19p. 4°. Lpz., 1935.

Also *Fortsch. Röntgenstrahl.*, 1935, 52: 1-17.

Albo, M., & Mayissonave, A. D. Condromatosis articular; coexistiendo con dos malformaciones óseas: exostosis osteogénica y fisura ósea vertebral; 5. lumbar y 1. sacra. Rev. ortop. traumat., B. Air., 1934-35, 4: 265-89.—**Bastos Ansart, M., & D'Harcourt Got, J.** Contribución al estudio de la condromatosis articular. Progr. clín., Madr., 1931, 39: 529-35.

Ueber Gelenkschondromatose. Arch. klin. Chir., 1931-32, 168: 597-609.—**Blümin, I. S.** [Clinical aspect, pathology and therapy of chondromatosis of the joints] Vest. khir., 1937, 51: 73-8.—**Brenckmann, E.** Etude anatomopathologique de la chondromatose articulaire. Ann. anat. path., Par., 1927, 4: 829-66.—**Castiglioni, G.** Sulla cosiddetta condromatosis articular. Clin. chir., Milano, 1931, 34: 405-36.—**Cattaneo, F.** Osteochondromatosis articular. Ibid., 1927, 30: 405-31.—**Chrysospathes, J. G.** Fall von Osteochondromatose des Knie- und Fussgelenkes. Zschr. orthop. Chir., 1934-35, 62: 309-14.—**Conte, E.** La condromatosis articular. Radiol. med., Milano, 1930, 17: 237-51.—**D'Amato, G.** Ueber das Röntgenbild der Gelenkhondromatose. Fortsch. Röntgenstrahl., 1926-27, 35: 730-5.—**De Bernardi, E.** Condromatosis articular in un caso di infortunio. Radiol. med., Milano, 1939, 26: 1012-4.—**Donati, G. S.** Sull'osteochondromatosis articular. Boll. Soc. med. chir., Pavia, 1935, 49: 1213-70.—**Duboucher, H., Montpellier, J., & Chiapponi, L.** Un cas d'arthrite ostéo-chondromateuse avec corps étrangers articulaires. Bruxelles méd., 1935-36, 16: 77-85.—**Esau.** Angeborenes solitäres Gelenkosteom (Stieldrehung, Infarcierung, Gelenkblutung) Röntgenpraxis, 1933, 5: 586-8.—**Faber, A.** Ueber Gelenkhondromatose. Zschr. orthop. Chir., 1932-33, 58: 568-76.—**Freund, E.** Chondromatosis of the joints. Arch. Surg., 1937, 34: 670-86.—**Giraudo, G.** Un caso atipico di condromatosis articular. Minerva med., Tor., 1928, 8: pt 2, 11-5. — Sulla cosiddetta osteomatosis articular. Arch. ortop., Milano, 1934, 50: 323-44.—**Giuliani, G. M.** L'osteochondromatosis (corpi mobili osteocartilaginei) in rapporto all'ostegenesi e condrogenesi. Chir. org. movim., 1935-36, 21: 124-36.—**Grabowski, L.** Beitrag zur gutartigen Geschwulsterkrankung der Gelenke (Osteomatosen und Chondromatosen) Röntgenpraxis, 1937, 9: 799-809.—**Grandclaude, C., & Razemon, P.** Contribution à l'étude de l'osteochondromatose articulaire. Echo méd. nord, 1935, 3. ser., 3: 130-40, 3 pl.—**Kienböck, R.** Ueber die Gelenkosteomatosen. Arch. orthop. Unfallchir., 1931, 30: 207-16. — Ueber die Osteochondromatose der Gelenke. Röntgenpraxis, 1931, 3: 895-9. — & **Selka, A.** Ein Fall von polyartikulärer Gelenkosteomatosen. Ibid., 433-6.—**Labordérie, J.**

Sur 2 cas d'ostéochondromatose articulaire. J. radiol. électr., 1936, 20: 303.—**Leibovici, R., & Weill, J.** L'ostéochondromatose articulaire; tumeur bénigne de la synoviale. Presse méd., 1932, 40: 1930-3.—**Leni, E.** In tema di osteochondromatosis articular. Arch. ortop., Milano, 1936, 52: 725-47.—**Masturzi, A.** L'osteochondromatosis articular di Reichel. Arch. radiol., Nap., 1933, 9: pt 1, 970-1005.—**Niederle, B.** [Articular chondromatosis] Cas. léc. česk., 1930, 69: 1268-70.—**Niosi, F.** La condromatosis (osteochondromatosis) articular. Policlinico, 1936, 43: sez. chir., 369-406.—**Paire, R. F. C.** Chondrome dissocié de l'articulation radiocubitale inférieure; revue critique sur l'origine du chondrome et des corps étrangers articulaires. Arch. méd. pharm. mil., 1927, 86: 146-60.—**Pattarin, P.** L'osteochondromatosis articular. Clin. med. ital., 1938, 69: 521-36.—**Pereira Caldas, J.** Condromatose articular; aspecto radiológico. Med. contemp., Liss., 1937, 55: 207-10.—**Pettinari, V.** Contributo alla conoscenza della cosiddetta osteochondromatosis articular. Chir. org. movim., 1934, 20: 395-400.—**Platareanu, V. M.** [Articular osteochondromatosis] România med., 1934, 12: 232-3.—**Reimann, H., & Kienböck, R.** Ueber Gelenk-Osteochondromatose mit Sarkombildung. Röntgenpraxis, 1931, 3: 942-4.—**Ricciuti, G.** Sulla condromatosis articular di Henderson-Jones. Chir. org. movim., 1929, 13: 39-56.—**Rosenak, I., & Puskás, I.** [Chondromatosis of the joints] Gyógyászat, 1930, 70: 541-4, pl.—**Rostock, P.** Die Unfallbegutachtung der Gelenkhondromatose. Arch. orthop. Unfallchir., 1928, 26: 593-607. — Die Gelenkhondromatose. Beitr. klin. Chir., 1928, 144: 58-80.—**Rotenfeld, M. E.** [Chondromatosis of the joints and its treatment] Ortop. travmat., 1932, 6: 47-52.—**Solomon, I., & Gibert, P.** La chondromatose articulaire. J. radiol. électr., 1928, 12: 275-9.—**Staveren, C. van** [Chondromatosis of the joints] Ned. tsschr. geneesk., 1936, 80: 644-7, 2 pl.—**Stenberg, B. N.** [Multiple form of chondromatosis of the joints] In *Shorn. trud. posv. G. I. Turner* (Leningrad. Voen. med. akad. Kirov) Leningr., 1938, 227-9.—**Stocker, H.** Chondromatosis und Osteochondromatosis des Knie- und Schultergelenkes; Gelenkplastik. Zbl. Chir., 1935, 62: 1923-8.—**Věšín, S.** [Pathogenesis of primary articular chondro-osteomatosis] Cas. léc. česk., 1933, 72: 298-300.—**Weill, J.** Die Osteomatose des grossen und kleinen Gelenkes. Fortsch. Röntgenstrahl., 1936, 53: 181-4.

Compression [incl. wear and tear]

Groth. Zur Frage chronischer Gelenkveränderungen durch funktionelle Überbeanspruchung (Sportbeschäden) Med. Welt, 1929, 3: 1764-6.—**Koch, H.** Ueber Schädigungen des Gelenknorpels durch übermässige Druckeinwirkungen. Deut. Zschr. Chir., 1927, 201: 367-87.—**Müller, W.** Folgezustände der funktionellen Beanspruchung an den Gelenken und die Einflüsse gesteigerter Funktion auf Stützgewebe (Gewebsumbau) Jahrbuch. ärztl. Fortbild., 1930, 21: H. 1, 29-34.—**Scaglietti, O.** Mikroskopische Untersuchung über die Folgen dauernden örtlichen Druckes auf die Gelenkfläche. Zschr. orthop. Chir., 1929-30, 52: 577-91.

Concussion.

See under subheading Industrial aspect.

Contracture.

See also subheading Ankylosis; also Contracture.

Arnolds, A. Zur Plastik schwimmhautähnlicher, dermatogener Kontrakturen an grossen Gelenken. Zbl. Chir., 1928, 55: 838-40.—**Boeminghaus, H.** Beitrag zur Behandlung von Kontrakturen und Subluxationen. Arch. klin. Chir., 1931, 167: 675-83. Also *Chirurg*, 1932, 4: 359-63.—**Brandt, G.** Chronische Gelenkverbindungen als Folge von statischen Veränderungen. Med. Klin., Berl., 1935, 31: 801-4.—**Chistiakov, N. L.** [Operative treatment of dermatogenous contractions of joints by Morestin's method] Vest. khir., 1933, 29: 141.—**De Gaetano, L.** L'osteotomia curvilinea a cerniera nella cura di diverse deformità ossee ed articolari. Arch. ortop., Milano, 1937, 18: 405-26.—**Freund, E.** Mobilisierung der Kontrakturen der Gelenke unter Anästhesie. C. rend. Congr. internat. rhumat. (1936) 1938, 5. Congr., 215.—**Gocht, H.** Die Beseitigung rheumatischer Kontrakturen. Med. Welt, 1929, 3: 454.—**Härtel, F.** Fall von universalen Gelenkcontracturen fast sämtlicher Gelenke bei einem Chinesen (Taschenmessercontractur) Arch. orthop. Unfallchir., 1928, 26: 291-4.—**Jones, H. T.** The Z plastic or web splitting operation for relief of scar contractures of the extremities. Surg. Gyn. Obst., 1934, 58: 178-82.—**Kopits, I.** [Origin and treatment of contracture of joints] Gyógyászat, 1939, 79: 223.—**Marquardt, W.** Die angeborene Flughaubildung und ihre konservative Behandlung. Zschr. Orthop., 1937-38, 67: 379-96.—**Maclaure, Flexion permanente des 2 genoux par myosite rétractile et flexion des cuisses sur le bassin chez un cul-de-jatte; ténosynoviales multiples et arthrodèses des genoux.** Bull. Soc. nat. chir., Par., 1925, 51: 966.—**Sarkisov, G. K., & Tokhian, A.** [Morestin's operative treatment of dermatogenous contractures of joints] Khirurgia, Moskva, 1937, 24-7.—**Saxl, A.** Ueber die Entwicklung und Behandlung der arthrogenen Kontrakturen. Zschr. orthop. Chir., 1929, 52: 276-301.—**Schotte, M.** Ein neuer Weg zur Behandlung der Gelenkkontrakturen durch Verbesserung der Quengelmethode. Chirurg, 1934, 6: 45-9.—**Silver, D.** The rôle of the capsule in joint contractures; with

especial reference to subperiosteal separation. *J. Bone Surg.*, 1927, 9: 96-105.—**Stanisheff, A.** Nearthrosis intertrochanterica; operative Behandlung monströser Gelenkkontrakturen infolge von Arthritis rheumatica acuta. *Arch. klin. Chir.*, 1938, 193: 602-12.—**Stoffel, A.** Behandlung koxitischer und gonitischer Kontrakturen. *Verh. Deut. orthop. Ges.* (1921) 1922, 26. Kongr., 159-82.—**Tschmarke, G.** Experimentelle Untersuchungen über die Rolle des Muskeltonus in der Gelenkchirurgie: Fixationskontrakturen und die Beeinflussung ihrer Entwicklung. *Arch. klin. Chir.*, 1931, 164: 785-97.—**Weil.** Ein Fall von exzessiver Flughautbildung. *Verh. Verein. Orthop. Wiens* (1937) 1938, 69.—**Weisz, E.** Verhütung und Behandlung der Gelenkkontrakturen. *Zschr. ärztl. Fortbild.*, 1929, 26: 461.

— Crepitation.

See also subheading Examination.

WIEDEMANN, E. *Beitrag zur Frage der Registrierung von Gelenkgeräuschen. 22p. 21cm. Bresl., 1937.

Erb, K. Registrierung von Gelenkgeräuschen. *Arch. klin. Chir.*, 1933, 177: 475-82. [Discussion] 175-7. Also *Deut. Zschr. Chir.*, 1933, 241: 237-45.

— Cysticercosis.

Sannazzari, P. Cisticercosi osteo-articolare umana. *Arch. ital. chir.*, 1931-32, 29: 340-59.

— Deformity.

See also subheadings (Abnormity; Ankylosis; Contracture) also names of primary conditions as **Osteoarthritis; Rheumatism; Rickets**, etc.

Brooke, J. A. The prevention of the common deformities of impaired and useless joints, a good percentage could have been prevented by greater care and skill in the initial treatment. *Am. Physician*, 1926, 31: 379.—**Deutschländer, C.** Der Hebelzug, ein Verfahren zur Behandlung schwerer Gelenkdeformitäten nach schlecht geheilten Brüchen. *Zschr. orthop. Chir.*, 1933, 59: 290-300.—**Marino-Zuco, C.** Deformità congenite e acquisite degli arti. In *Man. chir.* (Alessandri, R.) Roma, 1934, 1: 791-900.—**Massart, R.** Les malformations articulaires d'origine obstétricale. *Bull. Soc. chir. Paris*, 1930, 22: 394-406.—**Natzler.** Ueber deformierende Gelenkerkrankungen des Kindesalters. *Verh. Deut. orthop. Ges.* (1926) 1927, 21. Kongr., 502-14.—**Niederecker.** Konservative Behandlung; brisement forcé, schwerer Gelenksverunstaltungen und Gelenksteifen polyarthritischen und gonorrhoischen Ursprungs. *Ibid.* (1935) 1936, 30. Kongr., 445-9.—**Sokolov, M.** [Case of multiple joint deformities] *Vrach. delo*, 1928, 11: 405.—**Stump, J. P.** The prevention of arthritic deformities by early orthopedic management. *Ann. Int. M.*, 1940-41, 14: 87-99.—**Swaim, L. T.** Orthopedic care of arthritic deformities. *Am. Med.*, 1930, 25: 658-61.

— Degeneration.

See also **Arthritis, psoriatic; Osteoarthritis; Osteoarthropathy**.

Bennett, G. A., & Bauer, W. A systematic study of the degeneration of articular cartilage in bovine joints. *Am. J. Path.*, 1931, 7: 399-413, 11 pl.—**Brill, W.** Beitrag zur Ätiologie der Pertheschen Erkrankung des Hüftgelenkes und der Köhlerschen Metatarsalerkrankung. *Arch. orthop. Unfallchir.*, 1926, 24: 64-83.—**Callender, G. R., & Keiser, R. A.** Degenerative arthritis; a comparison of the pathological changes in man and equines. *Am. J. Path.*, 1938, 14: 253-71, 5 pl.; 680-2.—**Faber, A.** Die Behandlung deformierender Gelenkerkrankungen mit Immettal. *Münch. med. Wschr.*, 1933, 80: 2019.—**Ficacci, L.** Sur une lésion spéciale ostéo-articulaire à décours lent. *Rapp. Congr. internat. rhumat.* (1932) 1934, 3. Congr., 333-6.—**Herrmann, R.** Ueber die Erblichkeit bei der Arthrosis degenerativa. *Zschr. menschl. Vererb.*, 1936, 19: 707-20.—**Lengh, F.** Zur Kenntnis der Amyloidablagerung in den Gelenken. *Zbl. allg. Path.*, 1937-38, 69: 1-5.—**Magnuson, P. B.** Joint débridement; surgical treatment of degenerative arthritis. *Surg. Gyn. Obst.*, 1941, 73: 1-9, 3 pl.—**Meyer, A. W.** Use destruction in the human body. *California West. M.*, 1937, 47: 375-83.—**Short, C. L., & Bauer, W.** The treatment of degenerative joint disease. *N. England J. M.*, 1941, 225: 145-50.—**Stangier, H.** Klinisch-ätiologischer Beitrag zu den degenerativen Gelenk- und Wirbelerkrankungen. *Mitt. Grenzgeb. Med. Chir.*, 1935-37, 44: 649-70.

— Derangement.

See also subheading Injury.

Henderson, M. S. Mechanical derangements of the joints. *Ann. Surg.*, 1926, 84: 796-803. — Some mechanical derangements of the knee and shoulder. *Am. J. Surg.*, 1940, 48: 535-43.

— Development and growth.

Fell, H. B., & Canti, R. G. Experiments on the development in vitro of the avian knee-joint. *Proc. R. Soc., Lond.*, 1934, ser. B, 116: 316-51, 4 pl.—**Hesser, C.** Beitrag zur Kennt-

nis der Gelenkentwicklung beim Menschen. *Morph. Jahrb.*, 1925-26, 55: 489-567.—**Ledger, L. K., & Wasson, T. C.** Ages of epiphyseal union at elbow and wrist joints amongst 238 children in North West Frontier Province. *Ind. M. Gaz.*, 1941, 76: 81-4.—**Martino, L.** Osservazioni sullo sviluppo delle articolazioni tra ossa di origine condrale. *Fisiol. & med.*, Roma, 1935, 6: 589-605. — Ricerche ulteriori sullo sviluppo delle articolazioni tra ossa di origine condrale. *Monit. zool. ital.*, 1936, 47: 92-8.—**Nauck, E. T.** Beiträge zur Kenntnis des Skeletts der paarigen Gliedmassen der Wirbeltiere; über Gelenke als morphogenetische Einheiten und über Gelenkflächenrichtungen als Anpassungserscheinungen. *Morph. Jahrb.*, 1926-27, 57: 564-631.—**Pellegrini, O.** Lo sviluppo di abbozzi di articolazioni impiantati nelle membrane corioallantoidee. *Atti Soc. med. chir. Padova*, 1933, ser. 2, 11: 927-41.—**Shands, A. R., jr.** The stabilization of joints in childhood. *Delaware M. J.*, 1939, 11: 231-5.

— Disease.

See also other subheadings; also **Allergy, articular; Arthritis; Gout; Hemophilia; Osteoarthritis; Osteoarthropathy; Osteochondritis; Osteochondromatosis; Rheumatic fever**, etc.

BROCA, A., & MONOD, R. Maladies des articulations et difformités articulaires. 453p. 24½cm. Par., 1926.

CASTELLOTTI, F. Malattie delle articolazioni. 146p. 8°. Milano, 1936.

FREUND, E. Gelenkerkrankungen; Einführung in die Pathologie und Therapie. 497p. 8°. Berl., 1929.

GOUT, RHEUMATISM AND ARTHRITIS DEFORMANS. 16p. 23½cm. [Ambler, 1904]

GROS, E. L. A modern study of gouty and rheumatic manifestations; rev. 2. ed. 23p. 24cm. [N. Y., 1900]

VANDER, A. Rheumatism and gout. 111p. 19cm. Lond. [1939]

VRACHEBNAIA DIELO [Diseases of the joints] 46p. 8°. [Kharkov] 1926.

Beisheim, W. Die Gelenkerkrankungen der letzten drei Jahre. *Med. Welt*, 1928, 2: 713-6.—**Coste, F.** Arthrites, arthroses. *Ann. méd. phys.*, Anvers, 1940, 33: 55-7. — & **Forestier, J.** Caractères distinctifs des arthrites et des arthroses. *Bruxelles méd.*, 1939-40, 20: 122; 185.—**Coste, F., & Lacapère, J.** Les arthroses. *Presse méd.*, Par., 1931, 39: 417.—**Dorp, D. B. van** [Multiple affection of the joints with some symptoms of Still's disease and peculiar radiological changes in a child about 6 years of age] *Mschr. kindergeneesk.*, 1937, 6: 467-75.—**Elektorowicz, A.** [Acute and chronic affections of the joints (inflammations and deformities) in clinical and roentgenological aspect] *Polski przegl. radjol.*, 1935-36, 10: 11: 365-70.—**Ferond.** Arthrites et arthroses. *Ann. méd. phys.*, Anvers, 1939, 32: 265-72. Also *Bruxelles méd.*, 1939-40, 20: 61-6.—**Gunzburg, I.** A propos de l'arthrite et de l'arthrose. *Ann. méd. phys.*, Anvers, 1940, 33: 52-4.—**Hench, P. S.** A clinic on some diseases of joints. *Med. Clin. N. America*, 1935, 19: 551-83.—**Kitchin, I. D.** Some rare diseases of joints. *Med. Press & Circ.*, Lond., 1941, 206: 390-3.—**Martínez Vargas, A.** El artritisismo en los niños. *Med. niños*, 1924, 25: 97; 129; 164; 193; 225.—**Michez, J., & Colinet, E.** Arthrites et arthroses. *Ann. méd. phys.*, Anvers, 1940, 33: 51.—**Mueller, F. von.** Problems of diseases of the joints. *Arch. Int. M.*, 1927, 40: 399-419.—**Ory, M.** Arthrites, arthroses. *Ann. méd. phys.*, Anvers, 1940, 33: 49.—**Perkins, G.** Joints, diseases and disorders. In *Brit. Encycl. M. Pract.* (Rolleston, H.) Lond., 1938, 7: 278-320.—**Pern, H.** Common joint conditions. *Med. J. Australia*, 1927, 2: 176-80.—**Ray, P. N.** Some unusual joint lesions. *Ind. M. Gaz.*, 1938, 73: 10-4.—**Rozen, F.** [Affections of the joints in infants] *Pediat. polska*, 1936, 16: 137-41.—**Scott, J. W.** Two cases of joint changes. *Proc. R. Soc. M.*, Lond., 1928-29, 22: Sect. Stud. Dis. Child., 103-7.—**Tixier, L., & Patel, M.** Maladies chirurgicales des articulations. In *Précis path. chir.*, 6. éd., 1937, 1: 996-1191.—**Weil, M. P.** Arthrites, arthroses. *Ann. méd. phys.*, Anvers, 1940, 33: 47.—**Worster-Drought, C.** The arthropathies. *Postgrad. M. J.*, Lond., 1937, 13: 445-50, 2 pl.—**Zhitnikov, B. A.** [Clinical cases of joint diseases in modern literature] *J. usov. vrach.*, 1929, 7: 379-82.

— Disease, chronic.

ALEXANDER, H. *Beitrag zur Differentialdiagnose chronischer Gelenkerkrankungen unter besonderer Berücksichtigung des Ausfalles der Blutkörperchenreaktion [Leipzig] 40p. 8°. [Zeulenroda, 1930]

HANGARTER, W. Das Erbbild der rheumatischen und chronischen Gelenkerkrankungen. 154p. 22cm. Dresd., 1939.

SCHÜTT, H. [W. E.] *Blutbild und Blutsenkungsreaktion bei chronischen Gelenkerkrankungen und ihre Bedeutung für Diagnose, Prognose und Therapie [Berlin] 16p. 8°. Steglitz, 1932.

SOMT, K. *Ist die Entstehung und die Entwicklung chronischer Gelenkleiden abhängig von Konstitution, Alter und Geschlecht? [Münster] 35p. 22cm. Würzb., 1935.

ZAPPALÀ, G. Le artropatie croniche (esclusa quella da germi conosciuti) 237p. 8°. Roma, 1936.

Alwens, W. Beitrag zur Aetiologie und Therapie der chronischen Gelenkerkrankungen. Münch. med. Wschr., 1926, 73: 434; 489.—Angeleri, C., & Pescarmona, M. I.a fosfatasi del siero di sangue nelle malattie articolari croniche. Riv. idroclim., 1936, 47: 357-63.—Angerer, H. Trauma und Ernährungsstörung als Ursache chronischer Krankheiten der Gelenke. Münch. med. Wschr., 1941, 88: 690.—Bayard, A. Zur Aetiologie der chronischen Gelenkerkrankungen. Schweiz. med. Wschr., 1928, 58: 773-6.—Blaine, E. S. Chronic arthropathies from the X-ray viewpoint. Phys. Ther., 1926, 44: 213-6.—Brogsitter, A. M. Differentialdiagnose chronischer Gelenkerkrankheiten (mit Krankenvorstellungen und Lichtbildern) Veröff. Deut. Ges. Rheumabekämpf., 1931, 11: 6, 19-71.—Buday, L. [Differentiation and etiology of chronic articular disease] Orvostképzés, 1939, 29: Dec. külf., 11-6.—Burckhardt, H. Ueber tuberkulöse und nichttuberkulöse chronische Gelenkerkrankungen. Chirurg., 1928-29, 1: 145-53.—Chiariello, A. G. Contributo allo studio di alcune forme di pseudoartriti croniche. Rinasce. med., 1926, 3: 34-6.—Chini, V. Il ricambio respiratorio nelle artropatie croniche. Arch. pat., Bologna, 1929-30, 9: 288-304.—Coggi, G. Potassio e rapporto potassio-calcio nel siero di sangue nelle artropatie croniche. Riv. idroclim., 1934, 45: 203-6.—Haglund, P. Ueber chronisch defekte Gelenke. Acta orthop. scand., 1930, 1: 10-33. — [Defective gait due to chronic joint disease] Sven. läk. tidn., 1930, 27: 265-82.—Heine, J. Ueber primäre chronische Gelenkerkrankungen. Verh. Deut. orthop. Ges. (1927) 1928, 22. Kongr., 7-23. Also Tuschchi med. Mschr., 1928-29, 4: 267-86.—Hirsch, F. Chronische Gelenkerkrankung und Lymphdrüsenaffektion. Deut. med. Wschr., 1926, 52: 1339.—Holzweissig, M. Die Senkungsgeschwindigkeit der Erythrozyten und der Fibrinogengehalt des Blutes bei chronischen Gelenkerkrankungen. Mitt. Grenzgeb. Med. Chir., 1926, 39: 117-37.—Kowarschik, J., & Wellisch, E. Ueber die Konstitution chronisch Gelenkkranker. Münch. med. Wschr., 1937, 84: 1945-8.—Kramer, H. Ueber Steigerungen des Grundumsatzes bei chronischen Arthropathien. Klin. Wschr., 1932, 11: 1708-10.—Lange, C. de. [Chronic disease processes of the joints in children] Geneesk. bl., 1936, 34: 2-48.—Latzel, R. Ueber chronische Arthrosen. Wien. med. Wschr., 1939, 89: 589-94.—Lebedeva, D. D. [Study of chronic arthropathies in children] Tr. Moskov. gosud. med. inst., 1935, 1: No. 2, 94-116.—Maliwa, E. Herzscheidungen bei chronischen Gelenkerkrankungen. Aerztl. Prax., Wien, 1932, 6: 19.—Mayer, M. Heredofamiliäres Auftreten chronischer Gelenkerkrankungen. Wien. Arch. inn. Med., 1928, 16: 97-106.—Micheli, G. Sul contenuto di colessterina nel sangue nelle malattie articolari croniche. Minerva med., Tor., 1939, 30: pt. 2, 501-5.—Moreton, A. L. On growing pains, or, some points in the diagnosis of certain chronic affections in and around the joints of children. Clin. J., Lond., 1927, 56: 457-65, 2 pl.—Munk, F. De las enfermedades articulares primarias crónicas. Rev. med. germ. ib. amer., 1937, 10: 81-91.—Neergaard, K. von. Ueber chronische unspezifische Gelenkerkrankungen. Schweiz. med. Wschr., 1930, 60: 789-94.—Nissle, A. Die Beziehungen zwischen Darmflora und chronischen Gelenkerkrankungen und ihre Bedeutung für eine neue kausale Therapie. Münch. med. Wschr., 1933, 80: 760-2.—Pokrovskij, P. N. Importance de la thermométrie de la peau autour des articulations dans les maladies chroniques des organes locomoteurs et de l'appareil de soutien. Rapp. Congr. internat. rhumat. (1934) 1936, 4. Congr., 243-6.—Robecchi, A. Note di semeiologia delle malattie articolari croniche; esclusa la radiologia. Gazz. med. ital., 1938, 97: 319-29. — & Angeleri, C. Ricerche sul comportamento delle granulazioni protoplasmatiche dei polinucleati neutrofili nelle malattie articolari croniche. Minerva med., Tor., 1933, 24: pt. 1, 530.—Rondoni, P. La patogenesi delle artropatie croniche. Terapia, Milano, 1926, 16: 3-14.—Schaefer, V. Ueber chronische Gelenkerkrankheiten des Wachstumsalters in ihrer Abhängigkeit vom Zentralnervensystem. Deut. Zschr. Nervenhe., 1934, 134: 121-47.—Strauss, H. Kritisches und Klinisches über chronische Gelenkerkrankungen (mit besonderer Berücksichtigung der Gelenkruhe, der Stillen Krankheit und der Kalkgicht) Veröff. Deut. Ges. Rheumabekämpf., 1929, H. 4, 132-43. Also Zschr. ärztl. Fortbild., 1930, 27: 409-17. — Entstehung und Unterscheidung der chronischen Gelenkerkrankungen. Zschr. wiss. Bäderk., 1926-27, 1: 2-25-39. — Pathogenese, Diagnostik und interne Therapie der chronischen Gelenkerkrankungen. Med. Klin., Berl., 1927, 23: 1285-90.—Ueber, F. Zur Diagnostik und Therapie chronischer Gelenkerkrankungen. Med. Welt, 1929, 3: 593; 633. Also Veröff. Deut. Ges. Rheumabekämpf., 1929, H. 4, 144-59.—Watermann, H. Kann man mit Hilfe

der Senkungsgeschwindigkeit der roten Blutkörperchen eine Differenzierung der chronischen Gelenkerkrankungen treffen? Verh. Deut. orthop. Ges. (1927) 1928, 22. Kongr., 118-22.—Zimmer, A. Chronische Gelenkerkrankungen; Beiträge zur ätiologischen Diagnostik und Therapie. Med. Welt, 1927, 1: 1310; 1364. Also Veröff. Deut. Ges. Rheumabekämpf., 1928, H. 2, 16-32. — Beiträge zur ätiologischen Diagnostik und Therapie chronischer Gelenkerkrankungen. Ibid., 1929, H. 4, 55-84.

Disease, chronic: Treatment.

BRODERSEN, H. *Erfolgsbilanz der Heilverfahren bei chronisch-infektiösen Gelenkleiden (aus dem Aktenmaterial der Landesversicherungsanstalt Schleswig-Holstein 1931-1933) [Kiel] 16p. 23½cm. Neumünster, 1936.

LUCHERINI, T. Nuovo trattamento delle artropatie croniche mediante l'uso di alte dosi di glicerofosfato sodico. 88p. 25cm. Roma, 1937.

Aimes, A. El tratamiento quirúrgico de las artropatías crónicas no tuberculosas. Ars medica, Barcel., 1934, 10: 97-104.—Bakke, S. N. Ueber die Röntgenbehandlung chronischer unspezifischer Gelenkleiden. Acta radiol., Stockh., 1939, 20: 357-64.—Baumkötter, Ueber die Schwefelbehandlung chronischer Gelenkprozesse. Med. Welt, 1933, 7: 1175.—Bettmann, E., jr. Die medikamentöse Behandlung der chronischen Arthritiden mit besonderer Berücksichtigung der Jodipintherapie. Verh. Deut. orthop. Ges. (1927) 1928, 22. Kongr., 128-30.—Blencke, H. Die chronischen Gelenkerkrankungen und ihre Behandlung. Fortsch. Med., 1926, 44: 773-8. — Zur Frage der Dosierung des Mirion bei der Behandlung der chronischen Gelenkerkrankungen. Münch. med. Wschr., 1926, 73: 487.—Boschi, G. Neurogenese nelle artropatie croniche e derivazioni terapeutiche. Gior. venet. sc. med., 1939, 13: 153-60. — Le traitement par voie lombaire est un traitement d'élection des arthropathies chroniques; traitement dia-céphalo-rachidiens des arthropathies chroniques. Rev. rhumat., Par., 1940, 7: 406-17.—Chlumský, Ueber einige neue und wirksame Mittel gegen die chronischen (nicht tuberkulösen) rheumatischen und gichtischen Erkrankungen der Gelenke. Verh. Deut. orthop. Ges. (1927) 1928, 22. Kongr., 206-11.—Diamant, M. Chronic joint affections, left displacement of differential blood count; tonsillectomy. Acta otolar., Stockh., 1939, 27: 67-71.—Dieterichs, M. [Indications and contra-indications for treatment of chronic joint diseases with saline waters and mud baths] Vrach. delo, 1928, 11: 819-892.—Edström, G. [Thermotherapy in chronic rheumatic affections of the joints; molasses baths] Hygica, Stockh., 1928, 90: 247-51.—Emerson, C. P. Physical therapy in chronic arthropathy. Phys. Ther., 1930, 48: 121-5.—Erlsbacher, O. Die Behandlung der chronisch entzündlichen Gelenkerkrankungen mit Rubrophon. Aerztl. Prax., Wien, 1939, 13: 128-31.—Freund, E. Ueber die Behandlung chronischer Gelenkentzündungen mit abnehmbaren Blaubindenverbanden. Wien. klin. Wschr., 1928, 41: 95.

Die balneologische und physikalische Therapie der chronischen Gelenkerkrankheiten. Ibid., 1933, 46: 1185-8. Also Aerztl. Prax., Wien, 1934, 8: 37-40.—Fried, C. Die Röntgenbehandlung der chronischen Gelenkerkrankungen. Deut. Zschr. Chir., 1930, 227: 399-413.—Gebele, H. Sufrogelinjektionen bei chronischen Gelenkerkrankungen. Münch. med. Wschr., 1935, 82: 1357.—Hedinger, M., & Staub, H. A. Die Baden-Badener Kombinationsbehandlung chronischer Gelenkerkrankungen. Ibid., 1927, 74: 1550.—Heerman, A. A new method in the treatment of chronic joint affections. Med. World, 1926, 44: 240.—Heinild, S. [Roentgen treatment of chronic, medical affections of the joints] Ugeskr. laeger, 1938, 100: 1027-31.—Holmdahl, D. E. Nägot om ledernas morfologiopatologi och den fysikaliska terapien vid kroniska ledsjukdomar. Nord. med., 1941, 12: 3251-8.—Holzapfel, K. Neue Wege zur biologischen Behandlung chronischer Gelenkleiden. Zbl. Chir., 1936, 63: 2957-65.—Huck, V. V., Kliest, E. J., & Ruchelman, R. O. [Fangotherapy in chronic affections of the joints] Kazan. med. J., 1939, 35: 51-5.—Jansen, H. Vergleichende Bemerkungen über Reiztherapie und physikalische Therapie bei chronischen Gelenkerkrankheiten. Erkrank. Beweg. App., Wien, 1926, 1: 132-4.—Jaroschy, W. Zur Frage der operativen Behandlung der chronischen nichtspezifischen Gelenkerkrankungen. Med. Klin., Berl., 1927, 23: 1214-6.—Kaether, H. Zur Behandlung der chronischen Arthropathien. Med. Welt, 1937, 11: 1205-8.—Kliachkine, L. N. [Winter fangotherapy in chronic diseases of the joints] Vrach. delo, 1928, 11: 1352-6.—Koehler, G. Ueber die Behandlung chronischer Gelenkaffektionen mit Apicosan. Med. Welt, 1932, 6: 1543.—Krone, F. Las afecciones crónicas de las articulaciones en la edad infantil y su tratamiento con los baños de aguas saladas. Rev. méd. Hamburgo, 1926, 7: 287-9. Also Zschr. wiss. Bäderk., 1927-28, 2: 57-61.—Latzel, R. Wie behandeln wir die chronischen Gelenkerkrankungen? Wien. klin. Wschr., 1926, 39: 1369.—Lucherini, T. Ulteriori studi intorno al meccanismo di azione delle alte dosi di glicerofosfato di sodio nelle artropatie croniche. Boll. Accad. med. Roma, 1937, 63: 216-9.—Maliwa, E. Ueber Ergänzungsbehandlung chronischer Gelenkerkrankungen mit Vitaminen. Wien. med. Wschr., 1937, 87: 996-8.—Marwedel, G. Die

chirurgische Behandlung chronischer Gelenkerkrankungen. Zschr. wiss. Bäderk., 1926-27, 1: 354-8.—Mező, B. [New treatment of chronic joint diseases] Orv. hetil., 1941, 85: 241-4.—Pavlik, A. [Jodantoxin in treatment of chronic arthropathies] Cas. lek. česk., 1934, 73: 1306-10.—Plate, E. Zur Therapie der chronischen Gelenkerkrankungen. Ther. Gegenwart, 1926, 67: 11; 56.—Robecchi, A. Sulla zolfoterapia delle malattie articolari croniche. Gior. Accad. med. Torino, 1935, 98: pt 2, 159-62.—Röhrig, E. Beitrag zur Behandlung der chronischen Gelenkerkrankungen mit Diffundol. Münch. med. Wschr., 1937, 84: 652.—Sartori, A. Il glicerosfato di sodio nelle artropatie croniche; azione sulla leucocitosi, sulla formula leucocitaria e sulla velocità di sedimentazione. Rass. fisiopat., 1938, 10: 728-62.—Sauerwald, H. Zur Lipoidtherapie chronischer Gelenkerkrankungen. Fortsch. Med., 1934, 52: 620-2.—Spiro, P. Zur unspezifischen Reizkörpertherapie chronischer Gelenkerkrankungen. Deut. med. Wschr., 1927, 53: 914.—Spitz, H. Physikalisch-mechanische und operative Behandlung der chronischen Gelenkerkrankungen. Verh. Deut. orthop. Ges. (1927) 1928, 22. Kongr., 73-89.—Springer, C. Orthopädische Therapie der chronischen Gelenkerkrankungen. Med. Klin., Berl., 1927, 23: 1295-9.—Strasser, A. Die balneologische und hydrotherapeutische Behandlung der chronischen Gelenkerkrankheiten. Ibid., 1927, 23: 1247-9.—Die Leistungen und Grenzen der physikalischen Therapie bei chronischen Gelenkerkrankheiten. Deut. med. Wschr., 1927, 53: 2162-4.—Supino, L., & Volpe, F. Le proteine del sangue nelle artropatie croniche e loro modificazioni nel corso della fanoterapia. Riv. idroclim., 1938, 49: 109; 129.—Vulpis, G. Die physikalisch-mechanische und operative Behandlung der chronischen Gelenkerkrankungen. Verh. Deut. orthop. Ges. (1927) 1928, 22. Kongr., 66-72.—Wehner, E. Die chirurgische Behandlung der chronischen (nichtspezifischen) Gelenkerkrankungen. Erg. Chir. Orthop., 1926, 19: 33-97.—Weickel, Ueber die Anwendung des Sulfurels bei chronischen Gelenkerkrankungen mit besonderer Berücksichtigung des Blutbildes und des Schwefelgehaltes der roten Blutkörperchen. Zschr. klin. Med., 1926, 103: 794-9.—Weil, A. J. Therapie chronischer Gelenkerkrankungen. Med. Welt, 1933, 7: 458-60.—Weil, V. S., & Sarilova, K. P. [Treatment of chronic joint diseases by parenteral introduction of sulphur] Pediatria, Moskva, 1926, 10: 267-73.—Z., P. Nuovi orientamenti nella cura delle artropatie croniche. Athena, Roma, 1937, 6: 129-31.—Zachariae, G. Die Behandlung chronischer Gelenkerkrankungen mit Sanarthrit Heilner. Münch. med. Wschr., 1928, 75: 514.—Die biologische Behandlung chronischer Gelenkleiden vom Standpunkt des Internisten. Zbl. Chir., 1937, 64: 1830-3.—Zhurova-Obakevich, V. I. [Characteristics and therapy of chronic diseases of the joints] Russ. klin., 1928, 10: 625-41.

Disease: Classification.

Assmann, H. Wesen und Einteilung der chronischen Gelenkerkrankungen. Wien. med. Wschr., 1930, 80: 197-201.—Benczur, G. [Classification of joint affections and some remarks on their etiology] Orv. hetil., 1927, 71: 1191-4.—Eine logische Einteilung der Gelenkerkrankungen. Zschr. wiss. Bäderk., 1927-28, 2: 1013-6.—Bromberg, W. The classification, pathology and treatment of the chronic arthropathies. Med. Times, N. Y., 1926, 54: 223-7.—Freund, E. Einteilung der Gelenkerkrankungen. Zschr. wiss. Bäderk., 1928-29, 3: 639-45.—Hauchman, S. L. [Classification of diseases of the joints] Ter. arkh., 1936, 14: 105-12.—Kienböck, R. Klassifikation chronischer Gelenkerkrankheiten. Wien. med. Wschr., 1929, 79: 1639-41.—Kimmerle, A. Bemerkungen zu der Arbeit des Herrn A. A. Lemberg: Röntgendiagnostik chronischer Gelenkerkrankungen und ihre Klassifikation. Fortschr. Röntgenstrahl., 1929, 39: 136.—Lemberg, A. A. Röntgendiagnostik chronischer Gelenkerkrankungen und ihre Klassifikation. Ibid., 1928, 38: 818-33.—Chronische Gelenkerkrankungen und ihre Klassifikation. Ibid., 1929, 39: 339-41.—Maliwa, E. Zur Klassifizierung der Gelenkerkrankungen. Med. Klin., Berl., 1927, 23: 750.—Munk, F. Zur Pathologie und Einteilung der chronischen Gelenkerkrankungen. Ibid., 1926, 22: 571-3.—Die verschiedenen Formen der Gelenkerkrankungen. Zschr. Rheumaforsch., 1939, 2: 361-75.—Neumann, W. Ueber die Einteilung der Gelenkerkrankungen. Deut. med. Wschr., 1931, 57: 1019-22.—Einteilung und Benennung der Gelenkerkrankungen. Rapp. Congr. internat. rhumat. (1932) 1934, 3. Congr., 430-3.—Payr, E. Zur Begriffsbestimmung und Sichtung der Betriebsstörungen der Gelenke; Ankylosen, Gelenksperrn, Kontraktionen, Teilregeneration. Zschr. orthop. Chir., 1932, 56: 527-41.—Rokhlin, D. G. [Roentgenological classification of chronic affections of the joints] Vest. rentg., 1936, 16: 157-73.—[Critical analysis of the most known modern classifications of [Chronic diseases of the joints]] Ibid., 1938, 21: 268-85.—Strauss, H. Ueber Entstehung und Einteilung der chronischen Gelenkerkrankungen. Deut. med. Wschr., 1926, 52: 1414; 1457.—Einteilung der chronischen Gelenkerkrankungen. Med. Welt, 1928, 2: 717.—Weil, M. P. De la terminologie des manifestations articulaires. Presse méd., 1931, 39: 894.—Wollenberg, Systematik und Aetiologie der chronischen Gelenkerkrankheiten. Verh. Deut. orthop. Ges. (1927) 1928, 22. Kongr., 23-46.—[Working classification of acute rheumatism and affections of the joints of various origin] Pediatria, Moskva, 1939, No. 2-3, 111.—Zhitnikov, B. A. [Classification of diseases of the joints] Vrach. gaz., 1930, 34: 1290-5.

Disease: Diagnosis and symptomatology.

Allison, N., & Ghormley, R. K. Diagnosis in joint disease; a clinical and pathological study of arthritis. 196p. 4°. N. Y., 1931.—Boye [B] H. J. *Bedeutung der Blutkörperchen-Senkungsreaktion für die Differentialdiagnose entzündlicher und degenerativer Gelenkerkrankungen. 36p. 23½cm. Berl., 1939.—Bustos, F. M. Semiología quirúrgica y diagnóstico. 406p. 23cm. B. Air., 1940.—Kramer, K. F. *Ueber die Bedeutung der Senkungsreaktion und des Leukozytenbildes bei Gelenkerkrankungen [Rostock] 21p. 8°. Sternberg, 1933.—Allison, N. The importance of early and accurate diagnosis in joint diseases. Med. J. Australia, 1930, 1: 406-8.—Artemiev, S. Uniform working classification of acute rheumatism and diseases of the joints of various origin. Acta rheumat., Rotterdam, 1939, 11: H. 40, 3.—Bezancan, F., & Weil, M. P. Les manifestations articulaires de la maladie du sérum et les arthropathies protéiniques. Monde méd., 1927, 37: 809-15.—Burman, M. S. Selective staining of diseased areas in cartilage by intra-articular injection of dyes; an experimental cadaver study, with special reference to arthroscopy. Arch. Surg., 1933, 26: 153-9.—Diterich, M. M. [Diseases of cardiac blood vessels in conjunction with diseases of the joints: diagnostic and prognostic significance] Klin. med., Moskva, 1928, 6: 553-66.—Escudero, P., & Landabure, P. B. L'épreuve du gono-yatron dans le diagnostic des arthropathies. Rev. sudamér. méd., Par., 1930, 1: 513-23. Also Tr. pub. Clin. Escudero, B. Air., 1930, 4: 238-52.—Freund, E. Differentialdiagnose bei Gelenkerkrankungen. Erkrank. Beweg. App., Wien, 1926, 1: 128-32.—Gulbin, O. Klinische Untersuchungen mit dem Guttadiaphot unter besonderer Berücksichtigung der Gelenkerkrankungen. Zbl. inn. Med., 1935, 56: 978-92.—Herrmann, H., Ruff, G., & Fischer, I. El diagnóstico de las afecciones articulares con especial referencia a la eritrosedimentación y a la reacción de Müller-Oppenheim. Sem. méd., B. Air., 1933, 40: 402-14.—Holdack, F. Zur Frage der seltenen Knochen-Knorpelwachstumsstörungen. Fortsch. Röntgenstrahl., 1938, 58: 1-18.—Jansen, H. Zeichensystem bei Beschreibung von Gelenkerkrankungen, besonders von rheumatischen. Acta med. scand., 1930-31, 74: 353-8.—Keller, H., & Moravsek, A. The significance of the presence of acid-fast bacilli in the faeces of patients suffering from joint disease. Yearb. M. Ass. Gr. N. York, 1915, 112-6.—Kienböck, R. Zur Unterscheidung von Gicht und Tuberkulose der Gelenke. Med. Klin., Berl., 1939, 35: 1394-6.—Krebs. Klinisch-diagnostische Abgrenzung der Arthrosen. Verh. Deut. orthop. Ges. (1933) 1934, 28. Kongr., 73-80.—Munk, F. Differentialdiagnose der Gelenkerkrankungen. Beih. Med. Klin., Berl., 1929, 25: 17-9.—Nageli, O. Differentialdiagnose der febrilen Gelenkerkrankungen. In his Differ. Diagn. inn. Med., Lpz., 1936-37, 478-88.—Nagel, H., & Gerlach, G. Zur Differentialdiagnose unklarer Gelenkaffektionen, zugleich ein Beitrag zur Serologie der Gonorrhoe. Deut. Zschr. Chir., 1932-33, 238: 104-8.—Nikolaev, P. N. [Lumbar puncture in diseases of the joints] Sovet. vrach. gaz., 1932, 36: 997-1002.—Race, J. The suspension stability of the blood in arthritis diseases (Senkungsreaktion; vitesse de sédimentation) Arch. M. Hydr., Lond., 1927, 5: 283-5.—Reinberg, G. A., & Gabai, A. V. [Diagnostic errors in arthrology] Khirurgia, Moskva, 1938, No. 10, 131-8.—Rocha Vaz. Síndromes articulares vegetativas. Hora med., Rio, 1940, No. 23, 7; No. 24, 7; No. 25, 7; No. 26, 9.—Síndromes articulares. Ibid., No. 27, 7-14.—Valls, J. Causas de la posición adoptada por los miembros en diversos procesos articulares. Sem. méd., B. Air., 1925, 32: pt 2, 587.—Weil, M. P., Guillaumin, C. O., & Laurencin, M. L. La réaction de sédimentation globulaire dans des affections articulaires. Bull. Soc. méd. hóp. Paris, 1931, 3. ser., 47: 768-79.—Werndorff, K. R. Symptoms and diagnosis of joint diseases. J. Iowa M. Soc., 1940, 30: 407-9.—Westergren, A. On the clinical import of the red cell sedimentation; reaction in diseases of the joints. Acta med. scand., 1926, Suppl., 16: 343-54.—Wohlstein, E. Haut- und Nagelveränderungen bei Gelenkerkrankungen. Deliber. Congr. dermat. internat. (1935) 1935-37, 9. Congr., 1: 678-83.

Disease: Etiology.

See also under names of primary diseases as Gonorrhea, Arthritis; Infection, focal; Syphilis, etc.

ALKALAY, E. *Ueber die Beziehungen zwischen Erkrankungen der Zähne und Gelenkerkrankungen (fokale Infektion) 31p. 8°. Freib. i. B., 1934.

SCHUMANN, C. A. *Gelenkerkrankungen bei Störungen der Einsonderungsdrüsen [Halle-Wittenberg] 24p. 22cm. Dusseld., 1937.

Ambraszjüté-Steponaitienė, G. A. [Study of the causes of rheumatism and arthritis] *Medicina*, Kaunas, 1929, 10: 245; 332.—**Baetzner, W.** Gelenk und Beruf. *Med. Welt*, 1932, 6: 1821; 1861.—**Benczur, G.** Zur Aetiologie der Gelenkerkrankungen und deren allgemeine pathologische Bedeutung. *Zschr. ges. phys. Ther.*, 1927, 34: 86-91.—**Berger, W.** Anafilaxia y enfermedades de las articulaciones. *Rev. méd. Hamburgo*, 1928, 9: 121; 160. Also *Wien. med. Wschr.*, 1928, 78: 1543; 1610. Also *Zschr. wiss. Bäderk.*, 1928-29, 3: 734-55.—**Beyer, R.** Endokrin bedingte Gelenksehwellungen. *Münch. med. Wschr.*, 1935, 82: 1902-4.—**Bonilla, E.** Artrismo y endocrinología. *Med. ibera*, 1934, 28: pt 1, 438-41.—**Bykhovskaya, A. N., Antokhina, V. A., & Maksimova, M. K.** [Pathogenesis of acute and chronic affections of the joints in relation to the terminal blood circulation] *Sovet. vrach. gaz.*, 1934, 38: 515-8.—**Dzsinich, A.** Urogenitales System und Gelenkerkrankungen. *Deut. Arch. klin. Med.*, 1938, 182: 311-26. Also *Orvosképzés*, 1938, 28: 672-84.—**Forti, F.** Sulle cosiddette artropatie endocrine. *Riv. clin. med.*, 1930, 31: 814; 859.—**Fränkel, W. K.** Ueber Beziehungen zwischen Gelenkleiden und Keimdrüsen bei Frauen. *Fortsch. Ther.*, 1929, 5: 513-9.—**Gegner, P.** Parathyreoparathyroid disturbances. *Arch. Derm. Syph.*, Chie., 1936, 34: 255-64.—**Gording, R.** Postanginöse Gelenksymptome: Allgemeinphänomene und Krankheitszustände tonsillären und dentalen Ursprungs. *Acta otolar.*, Stockh., 1938, 26: 284-91.—**Hart, G. H., Goss, H., & Guilbert, H. R.** Vitamin A deficiency not the cause of joint lesions in horses. *Am. J. Vet. Res.*, 1943, 4: 162-8.—**Heitz-Boyer.** Rhumatisme et ostéo-arthrites d'origine intestinale: forme articulaire du syndrome entéroféral. *Bull. Soc. nat. chir.*, Par., 1930, 56: 1299-314.—**Keller, H.** Focal infection in relation to joint diseases. *Dent. Outlook*, 1930, 17: 51-4.—**Kerl, W.** Gelenksaffektionen bei venerischen Erkrankungen. *Mitt. Volksgesundh.*, 1933 [Aerzt. Prax.] 84-8.—**Lauber, H. J.** Ueber das Krankheitsbild der Arthropathia ovaripriva. *Deut. Zschr. Chir.*, 1929, 214: 335-8.—**Ramm, C.** Prognose und Therapie der Arthropathia ovaripriva. *Münch. med. Wschr.*, 1930, 77: 89.—**Leriche, R.** The problem of osteo-articular diseases of vasomotor origin; hydrarthrosis and traumatic arthritis; genesis and treatment. *J. Bone Surg.*, 1928, 10: 492-500.—**Levinger, E., & Jaffé, M.** Zur Frage endokriner Gelenkerkrankungen beim Manne. *Zschr. ges. Anat.*, 2. Abt., 1928-29, 14: 535-41.—**Machin, R.** La infección focal uretro-prostato-vesicular en las artritis y manifestaciones reumáticas. *Rev. med. cir. Habana*, 1929, 34: 870-2.—**Maliwa, E.** Ueber echt allergische Gelenkerkrankungen. *Aerzt. Prax.*, Wien, 1941, 15: 8-10.—**Mesz, N., & Cytirnik, D.** [Study of psoriatic arthropathy] *Polski przegl. radiol.*, 1934, 8: 9: 77-82, 2 pl.—**Morgenstern, J.** Arthritis psoriatica und Psoriasis bei Gelenkerkrankungen. *Wien. Arch. inn. Med.*, 1926, 12: 273-96.—**Müller, W.** Ueber Gelenkstörungen auf endokriner Basis. *Beitr. klin. Chir.*, 1928, 143: 137-58.—**Mueller-Deham, A., & Rabson, S. M.** Affections of joints. In their *Int. M. Old Age*, Balt., 1942, 341-54.—**Munk, F.** Endokrinologie und Gelenkerkrankungen. *Med. Klin.*, Berl., 1935, 31: 1257-60.—**Nobl, G., & Remenovskiy, F.** Die Arthropathia psoriatica im Röntgenbilde. *Fortsch. Röntgenstrahl.*, 1926, 34: 98-113, 2 pl.—**Paviot, J., Lagèze, P., & Naussac, H.** Les arthropathies protéiniques. *Gaz. hôp.*, 1932, 105: 299-310.—**Pineles, F.** Endocrinología y enfermedades articulares. *Rev. méd. Hamburgo*, 1928, 9: 165-9. Also *Zschr. wiss. Bäderk.*, 1928-29, 3: 9-16. Also *Tungchi med. Mschr.*, 1929-30, 5: 62-74.—**Pirker, H.** Ueber Gelenkerkrankungen als Sportschäden. *Wien. klin. Wschr.*, 1936, 49: 302. Also *Aerzt. Prax.*, Wien, 1938, 12: 207.—**Platonov, K.** [Result of the variable statistical analysis of the relation between affections of the thyroid gland and the joints] *Probl. endokr.*, Moskva, 1940, No. 2, 130-4.—**Riebold, G.** Ueber endokrine Arthropathien. *Münch. med. Wschr.*, 1930, 77: 90-4.—**Schulhof, V.** [Articular diseases in old age] *Budapesti orv. ujs.*, 1933, 31: 489-93.—**Sonnenschein, H.** Ueber einen Fall von psychisch bedingter Gelenkerkrankung. *Fortsch. Sexwiss. Psychanal.*, 1926, 2: 499-503.—**Sterling, W., & Stein, W.** Les arthropathies ovario-génées. *Rev. neur.*, Par., 1936, 43: pt 2, 637.—**Tager, I. L.** [Etiology of psoriatic arthropathy] *Vest. reutg.*, 1928, 6: 241-51.—**Titz-Kosko, J.** [Affections of the joints among the fishermen along the Polish shores] *Polskie arch. med. wewn.*, 1938, 16: 500.—**Van Loghem, J. J., Schade [et al.]** The influence of chill in the causation of disease. *Arch. M. Hydr.*, Lond., 1932, 10: 7-14.—**Violle, P. L.** Arthropathies protéiniques. *Médecine*, Par., 1929, 10: 514-21.—**Viseher, A.** Etude palaeo-pathologique de la genèse des arthroses. *Rev. rhumat.*, Par., 1937, 4: 509-19.—**Ueber Gelenkerkrankungen im Alter.** *Schweiz. med. Wschr.*, 1933, 63: 1013-7.—**Wellisch, E.** Beitrag zur Frage der allergischen Komponente bei Gelenkerkrankungen. *Wien. med. Wschr.*, 1935, 85: 935-8.—**Wiesel, J.** Gelenkerkrankungen und Keimdrüsen. *Wien. klin. Wschr.*, 1928, 41: 1424-6. Also *Zschr. wiss. Bäderk.*, 1928-29, 3: 297-302.—**Wilensky, A. O.** The joint complications of acute osteomyelitis or acute epiphysitis, and the principles underlying their treatment. *Ann. Surg.*, 1927, 86: 737-46.—**Yoder, E. H.** Focal infection as related to rheumatic and arthritic diseases. *Pacific Coast J. Homoeop.*, 1936, 47: 177-9.—**Zampa, G.** Lo stato anafilattico nella genesi di alcune artropatie. *Chir. org. movim.*, 1933-34, 18: 121-36.—**Zellner, E.** Beobachtungen über familiär auftretende Gelenkerkrankungen. *Wien. Arch. inn. Med.*, 1929-30, 19: 477-88.

Disease, neurogenic.

See also under names of neural diseases as **Hemiplegia; Myelitis; Poliomyelitis; Syringomyelia; Tabes**, etc.

GREGOIRE, J. J. D. *Etude des arthropathies des hémiplegiques; rôle des troubles sympathiques dans leur pathogénie. 79p. 8°. Par., 1931.

KLUGE, W. [J. A.] *Ein Beitrag zur Pathogenese neuropathischer Arthrosen infolge peripherer Nervenläsion. 22p. 8°. [Berl.] 1931.

LAUNAY, C. *Contribution à l'étude clinique et biologique de la maladie de Charcot et de ses formes anormales. 233p. 8°. Par., 1931.

Alajouanine, T., & Mauric, G. L'évolution des arthropathies nerveuses et quelques-uns de leurs aspects particuliers topographiques et évolutifs (arthropathie des petites articulations des doigts ou des orteils, forme pseudo-phlegmoneuse des arthropathies). *Presse méd.*, 1933, 41: 1537-42.—**Bergmann, E.** Neuropathische Gelenkerkrankungen. *Deut. Zschr. Chir.*, 1934, 243: 761-71.—**Blenccke, A.** Arthritis deformans und neuropathische Arthropathie. *Zschr. orthop. Chir.*, 1933, 59: 209-24.—**Cleveland, M.** Surgical fusion of unstable joints due to neuropathic disturbance. *Am. J. Surg.*, 1939, 43: 580-4.—**Creutz, W.** Arthropathie aus peripherer Nervenschädigung. *Zschr. ges. Neur. Psychiat.*, 1932, 138: 140-8.—**Etienne & Champy.** Lésions cellulaires des cornes antérieures de la moelle dans les arthropathies nerveuses. *C. rend. Congr. alién. neur. France* (1907) 1908, 17. Congr., 331-5.—**Froment, J., & Exaltier, P.** Caractères et signification des perturbations sympathiques locales associées aux ostéoarthropathies syringomyéliques et tabétiques. *Bull. Soc. méd. hôp. Paris*, 1927, 3. ser., 1, 1859-66.—**Guyton, J. W.** Relation of injury to Charcot's joint. *Radiol. Rev.*, 1928, 50: 259.—**Haldeman, K. O., & Soto-Hall, R.** Neuropathic joint disease. *J. Am. M. Ass.*, 1938, 111: 2043.—**Katuki, S.** Beitrag zur experimentellen neuropathischen Arthropathie und zugleich zu deren Pathogenese. *Zschr. klin. Med.*, 1936, 130: 567-74.—**Kuligowski, Z. W.** [Affections of the joints of nervous origin and their treatment] *Lek. wojsk.*, 1938, 32: 282-306.—**McCauley, J. C., jr.** Operative treatment of neurotrophic joints. *Urol. Cut. Rev.*, 1940, 44: 592-4.—**Marinesco.** Artropatii de origen nervos. *Dia méd.*, B. Air., 1930-31, 3: 100.—**Michalowicz, M.** Crises neuroarthritiques envisagées comme une entité clinique synthétique. *Rev. fr. pédiat.*, 1926, 2: 631-46.—**Nozoye, M.** Experimentelle Untersuchungen über die Entstehung der Arthropathia neuropathica. *Gun dan zassi*, 1932, No. 223: 1. Also *Arch. klin. Chir.*, 1938, 192: 29-39.—**Pannwitz.** Die Frühdiagnose der neuropathischen Gelenkerkrankungen. *Münch. med. Wschr.*, 1936, 83: 1032.—**Röderer, C.** Trois cas d'arthropathie nerveuse méconnue. *Paris méd.*, 1935, 95: 573-5.—**Arthropathies nerveuses** intéressant la chirurgie orthopédique. In *Traité chir. orthop.* (Ombredanne) *Par.*, 1937, 1: 729-51.—**Rückert, F.** Ueber eine bemerkenswerte Form und Lokalisation neurogener Gelenkaffektionen. *Mschr. Unfallh.*, 1935, 42: 131-5.—**Sèze, S. de, Guiot, G., & Séranie, J.** Réflexions préparatives à des recherches expérimentales sur le rôle du sympathique en pathologie articulaire. *Rev. rhumat.*, Par., 1939, 6: 935-44.—**Réflexions préparatives à des recherches expérimentales sur le rôle du sympathique en pathologie articulaire.** *Presse méd.*, 1940, 48: 233.—**Soto-Hall, R., & Haldeman, K. O.** The diagnosis of neuropathic joint disease (Charcot joint); an analysis of 40 cases. *J. Am. M. Ass.*, 1940, 114: 2076-8.—**Stern, N. E.** [Neurogenic arthropathy (tabes, syringomyelia)] *Tr. obsh. nevropat. Saratov*, 1927, 1: 111-24.—**Thurel, R., & Guillaume, J.** Arthropathies nerveuses d'origine cérébrale. *Rev. neur.*, Par., 1938, 69: 56-8.—**Zalla, M.** I fattori nervosi nelle artropatie. *Rass. clin. se.*, 1932, 10: 145-9.

Disease: Pathology.

BRODIE, B. C. Pathological and surgical observations on the diseases of the joints. 4. ed. 354p. 8°. Lond., 1836. Also *Am. ed.* 343p. 8°. Bost., 1842.

SABRAZÈS, J., & GRAILLY, R. de Le milieu synovial; physiologique et pathologique (introduction à l'étude de la pathologie articulaire) 205p. 4°. Par., 1936.

Abercrombie, R. G. The influence of morphological structure on the pathology of joints. *Ann. Rheum. Dis.*, Lond., 1939, 1: 99-108.—**Battistini, S., & Robecchi, A.** Fosforemia e rapporto calcio; fosforo nelle malattie articolari. *Clin. med. ital.*, 1933, 64: 576-9.—**Bauer, W., Bennett, G. A., & Zeller, J. W.** The pathology of joint lesions in patients with psoriasis and arthritis. *Tr. Ass. Am. Physicians*, 1941, 56: 349-52.—**Bennett, G. A., Zeller, J. W., & Bauer, W.** The pathology of the joint lesions in patients with psoriasis and chronic arthritis. *Am. J. Path.*, 1941, 17: 599.—**Bezançon, F., & Weil, M. P.** Introduction à la pathologie articulaire. *Rev. rhumat.*, Par.,

1934, 1: 9-87.—**Cecil, R. L., Barr, D. P., & DuBois, E. F.** Clinical calorimetry; observations on the metabolism of arthritis. *Arch. Int. M.*, 1922, 29: 583-607.—**Chini, V.** Problemi di patologia articolare. *Policlinico*, 1938, 45: sez. prat., 1349-59.—**De Fermo, C.** Contributo allo studio della fisiopatologia articolare. *Riv. idroclim.*, 1934, 45: 110-28.—**De Francesco, F.** L'importanza della reazione chimica attuale dei tessuti articolari nella patologia delle artrosi. *Fisiol. & med.*, Roma, 1933, 4: 527-51, 2 ch.—**Delmas-Marsalet, P.** Du retentissement de certaines arthropathies sur la fonction d'attitude. *J. m.d. Bordeaux*, 1927, 57: 559-62.—**Development** (The) level of joints in relation to intra-articular pathological changes. *Brit. J. Rheumat.*, 1939, 1: 217-9.—**Dschu-Yü-Bi.** Ueber die durch Einspritzung nichtinfektiöser Flüssigkeiten hervorgerufenen Gelenkveränderungen. *Beitr. path. Anat.*, 1933, 91: 361-98, pl.—**Frank, M. S.** A study of deaths and necropsies at the hospital for joint diseases. *Hospitals*, 1938, 12: No. 5, 86-90.—**Freund, E.** Ueber Abstoßungs- und Implantationserscheinungen in erkrankten Gelenken. *Virehows Arch.*, 1927, 263: 515-22.—**Ueber rheumatische Knötchen bei chronischen Gelenkerkrankungen.** *Wien. med. Wschr.*, 1927, 77: 853.—**Ghormley, R. K.** Joint disease; a clinical-pathological study. *J. Bone Surg.*, 1926, 8: 858-83.—**Pathologic changes in diseases of joints.** *Am. J. Roent.*, 1933, 29: 729-35.—**Grauber, W.** Ueber symmetrische Arthropathie. *Münch. med. Wschr.*, 1940, 87: 779.—**Greger, E.** Investigations on the skin temperature in patients with diseases of the joints. *Acta orthop. scand.*, 1938, 9: 72-99.—**Hench, P. S.** Recent American researches on diseases of joints and related structures. In *Rep. Chron. Rheum. Dis.* (Buckley, C. W.) Lond., 1936, No. 2, 69-95.—**A synopsis of recent American investigations on diseases of joints and related structures.** *Ibid.*, 1937, 3: 78-105. [bibl.]—**Kaufheil, L.** Ueber den Cholesteringehalt des Blutes bei Gelenkerkrankungen. *Wien. Arch. inn. Med.*, 1929, 19: 273-84.—**Kelikian, H.** The pathological physiology of joints. *Surg. Gyn. Obst.*, 1940, 71: 416-36.—**Leeuwen, Th. M. van** (Knuckle pads) *Ned. t. schr. geneesk.*, 1939, 83: 1782.—**Lichtwitz, L.** Gelenkrankheiten. In *his Path. d. Funktionen*, Leiden, 1936, 106-21.—**Meyenburg, H. von.** Ueber chondrogene Skeletterkrankungen. *Internat. med. Wschr.* (1937) 1938, 3. Congr., 473-87.—**Meyer, A. W.** The minute anatomy of attrition lesions. *J. Bone Surg.*, 1931, 13: 341-60.—**Paulus, R., & Lühdemann, H.** Beitrag zur Arthrosenlehre. *Zschr. Rheumaforsch.*, 1938, 1: 273-6.—**Payr, E.** Kinetische Kette, Tonuspäthologie und Gelenkrankheiten; Rheumaproblem. *Münch. med. Wschr.*, 1939, 86: 1496-1501.—**Petschacher, L.** Afecciones articulares y el metabolismo. *Rev. med. Hamburgo*, 1928, 9: 118-21.—**Pözl, O.** Brissaudschen Gelenkzonen mit dissoziierter Empfindungsstörung. *Med. Klin.*, Berl., 1940, 36: 92.—**Santillo, T.** L'indice di litero nei versamenti articolari. *Rinasc. med.*, 1939, 16: 223.—**Seeliger, E.** Ein Beitrag zur pathologischen Physiologie der Gelenke. *Verh. Deut. path. Ges.*, 1926, 21: 451-3.—**Vaubel, E.** Beitrag zur Biologie und Pathologie der Gelenke. *Zschr. Rheumaforsch.*, 1939, 2: 217-30.

— Disease: Treatment.

MINICH, A. Sulla cura delle malattie articolari. 87p. 21½cm. Venez., 1867.

Aitken, D. McC. Rest and exercise in the treatment of joints. *Liverpool Med. Chir. J.*, 1931, 39: pt 2, 103-26, 12 pl.—**Baumecker, H.** Ruhe und Bewegung als Heilmittel und Schädigung in der Chirurgie. *Med. Klin.*, Berl., 1939, 35: 1044; 1103.—**Bischoff, G.** Gedanken zur Behandlung Gelenkrank. *Fortsch. Med.*, 1926, 44: 741-3.—**Burwinkel, O.** Die Aderlasstherapie bei Gelenkrankheiten. *Zschr. wiss. Bäderk.*, 1929-30, 4: 347-50.—**Coste, F., Forestier, J., & Lacapère, J.** Traitement des arthroses. *Presse m.d.*, 1931, 39: 715-7.—**Curschmann, H.** Zur Therapie endokrin bedingter Gelenkerkrankungen. *Fortsch. Ther.*, 1932, 8: 33-7.—**Dalmady, Z.** Ueber die geeignete Reihenfolge kombiniert verwendeter Eingriffe bei der Behandlung von Gelenkrankheiten. *Zschr. wiss. Bäderk.*, 1926-27, 1-2, 134-41.—**Decref, J.** El amasamiento húmedo en el tratamiento de las lesiones articulares traumáticas y reumáticas. *Congr. hisp. portug. ciruj.*, 1898, 1. Congr., 431-5.—**Farkas, A.** Ueber Monarthritiden und ihre orthopädische Versorgung; vom Gesetz der mechanischen Einheit bis zum Gebiete der Substitution. *Schweiz. med. Wschr.*, 1933, 65: 596-600.—**Fieschi, A.** La vaccinoterapia delle infezioni da pirogeni e delle artropatie. *Policlinico*, 1934, 41: sez. prat., 1707, passim.—**Hoefficke, C. A.** The ambulatory treatment and manipulation, with extension for diseased joints. *Med. Press & Circ.*, Lond., 1933, 136: 107-12.—**Hoffheinz, S.** Pathologie und Therapie der Gelenkerkrankungen. *Zbl. Chir.*, 1931, 58: 2078-92; 1934, 61: 999-1011.—**Hohmann, G.** Zur Bewegungsbehandlung bei Gelenkrankheiten. *Fortsch. Ther.*, 1934, 10: 65-72.—**Kasperek, A.** Die Mittelwahl bei Gelenkleiden. *Mitt. Biochem.*, 1940, 47: 41-3.—**Lenoch, F.** [Experiments in treatment of grave cases of arthropathy] *Čas. lek. česk.*, 1937, 76: 517-27.—**Lucherini, T.** Aspetti fisiologici e patogenici della Vaccinoterapia, Schocktherapie, der akuten und chronischen Arthropathien. *Schweiz. med. Wschr.*, 1942, 72: 603.—**Maclure, F.** Rest and movement. *Med. J. Australia*, 1934, 1: 95-9.—**Matolay, G.** [Surgical treatment of non-specific joint diseases] *Orvosképzés*, 1933, 23: 397-407.—**Mouri-**

quand, G. Traitement de l'arthritisme infantile. *Méd. inf.*, Par., 1927, 33: 272-82.—**Munk, F.** Grundsätzliches zur Behandlung der Gelenkkranken. *Zschr. ärztl. Fortbild.*, 1930, 27: 316-20.—**Noções gerais sobre o tratamento das afeções articulares.** *Rev. med. Bahia*, 1936, 4: 225-31.—**Die natürlichen Heilungsvorgänge bei Gelenkerkrankungen und ihre Beeinflussung durch die ärztliche Behandlung.** *Zschr. ärztl. Fortbild.*, 1936, 33: 453-6.—**Pinto de Souza, E.** Pathologia e tratamento cirurgico das afeções articulares. *Ann. paul. med. cir.*, 1938, 36: 589-619.—**Policard, A., & Leriche, R.** Physiopathologie des maladies et des réparations articulaires. In *Traité chir. orthop.* (Ombredanne) Par., 1937, 1: 533-42.—**Porter, J. L.** Traction in diseases and deformities of the joints. *J. Bone Surg.*, 1926, 8: 753-7.—**Reicher, E.** [Principles in treatment of affections of the joints] *Lek. wojsk.*, 1938, 32: 528; 656.—**Riemke** [A method of mobilization in joint affections] *Hospitalstidende*, 1926, 69: [Dansk kir. selsk. forh.] 78-83. Also *Zbl. Chir.*, 1926, 53: 1887-9.—**Rotenberg, L. E.** [Clinic and therapy of diseases of the joints] *Russ. klin.*, 1928, 10: 613-24.

— Disease: Treatment: Drugs.

See also subheading Lubrication.

HUHN, D. *Ueber die Wirkung von Solganal bei subakuten und chronischen Gelenkerkrankungen [Berlin] 36p. 8°. Charlottenb., 1933.—**Bernhard.** Erfahrungen bei der Behandlung arthritischer, neuralgischer und rheumatischer Erkrankungen mit Jod-Campher-Chloroform-Vasogen. *Fortsch. Ther.*, 1928, 4: 693.—**Brandes.** Nebenbefund nach Immetalinjektionen. *Verh. Deut. orthop. Ges.* (1935) 1936, 30. Congr., 427-30.—**Cavadias, A. P.** Sulphur treatment in endocrine metabolic arthropathies. *Brit. J. Rheumat.*, 1939-40, 2: 125-9.—**Jankowski, J. W.** [First attempts in treatment of affections of the joints with fluor salts] *Polska gaz. lek.*, 1937, 16: 174-7.—**John, E.** Zur parenteralen Schwefelbehandlung der Gelenkerkrankungen. *Wien. med. Wschr.*, 1934, 84: 139.—**Kaiser, H.** Ein Beitrag zur Pyramidenbehandlung der Gelenkrankheiten. *Med. Klin.*, Berl., 1936, 32: 1563-5.—**König, W.** Ueber die Injektionsbehandlung der deformierten Gelenkerkrankungen. *Med. Welt*, 1938, 12: 1446-50.—**Maksimova, M. K.** [Ionto-electrophoresis of sulphur as a method of reflex-trophic effect on certain forms of diseases of the joints] *Tr. Leningr. inst. fizioter.*, 1935, No. 2, 109-12.—**Maliwa, E.** Ist hormonale und diätetische Behandlung von Gelenkerkrankungen (ausser der Gicht) zweckdienlich? *Wien. klin. Wschr.*, 1931, 44: 56.—**Meyer-Bisch, R.** Beziehungen zwischen Schwefel und Gelenken. *Zschr. wiss. Bäderk.*, 1926-27, 1: 195-9.—**Molitor, H.** La farmacologia de las enfermedades articulares. *Rev. med. Hamburgo*, 1928, 9: 125-7. Also *Tungchi med. Wschr.*, 1928-29, 4: 287-93.—**Müller, E.** Behandlung von Gelenkerkrankungen mit Rubrophon. *Med. Klin.*, Berl., 1940, 36: 715.—**Payr, E.** Der Heilungskampf schädigt bei richtiger Zusammensetzung und Anwendungsart in der Gelenkbehandlung den Knorpel nicht. *Zbl. Chir.*, 1932, 59: 2737-46.—**Petrovych, A.** Die Behandlung von Gelenkerkrankungen mit Schwefelauflösungen. *Wien. klin. Wschr.*, 1931, 44: 1278.—**Eunes, G.** Ueber Causyth bei Gelenkerkrankungen und Grippe. *Wien. med. Wschr.*, 1928, 78: 1468-70.—**Secher, K.** [Sancorysin in treatment of diseases of the joints] *Ugeskr. læger*, 1932, 94: 1049-54. Also *Acta med. scand.*, 1932-33, 79: 506-21.—**Sancorysinbehandlung bei medizinischen Gelenkleiden.** *Balneologie*, 1935, 2: 74-7. [Results in treatment of diseases of the joints with sancorysin] *Ugeskr. læger*, 1935, 97: 691-2. Also *Acta med. scand.*, 1936, Suppl. 78, 362-72.—**Sancorysin in the treatment of diseases of the joints** [Ugeskr. læger, 1935, 97: 935-41.—**Sancorysin treatment in affections of the joints with special reference to complications due to the treatment**] *Ibid.*, 1938, 100: 609-18. Also *Zschr. Rheumaforsch.*, 1938, 1: 3-24.—**Sancorysin and vitamin therapy in diseases of the joints including tuberculosis** *Nord. med.*, 1940, 6: 821-32.—**Simieska, G.** [Physical and protein therapy in diseases of the joints] *Orv. hetil.*, 1927, 71: 947-51.—**Sterio-pulo, S. S., Gloriozov [et al.]** La clinique et la thérapie des maladies articulaires aiguës et chroniques. *Rapp. Congr. internat. rhumat.* (1934) 1936, 4. Congr., 237.—**Sterio-pulo, S. S., & Tselikova, U. P.** [Lysotherapy in affections of the joints] *Sovet. vrach. J.*, 1936, 1: 578-83.—**Tauber, J.** Ueber die Protasinbehandlung des chronischen Gelenksrheumatismus. *Wien. med. Wschr.*, 1929, 79: 352.—**Touw, J. F., & Kuipers, R. K. W.** The treatment of affections of the joints with prostegine. *Acta med. scand.*, 1938, 96: 501-8.—**Ullmann, K.** Uralyt bei Gelenkerkrankungen. *Fortsch. Med.*, 1940, 58: 147.—**Waugh, W. G.** Treatment of certain joint lesions by injection of lactic acid. *Lancet*, Lond., 1938, 1: 487-9.—**Weichherz, S.** Die Therapie der Gelenkerkrankungen mit Yatron-Caselin. *Fortsch. Med.*, 1927, 45: 65.—**Weissmann, A.** Die intraartikuläre Injektionstherapie. *Wien. klin. Wschr.*, 1938, 51: 330-3.

— Disease: Treatment: Physiotherapy.

See also subheading Manipulation.

LENZNER, C. *Ueber die Kurzwellenbehandlung der Gelenkerkrankungen. 51p. 21cm. Marb., 1937.

- Bohlman, H. R.** Use of air in arthropathies. Arch. Phys. Ther., 1937, 18: 296-300.—**Boigey, M.** Indications de la cure d'exercice chez les arthritiques; son organisation à Vittel. Evolut. théor., 1927, 8: 316-8.—**Chernikov, E.** Zur Frage des Zustandes des vegetativen Nervensystems bei Anwendung von physikalischen Behandlungsmethoden bei einigen Formen von Gelenkerkrankungen. Zschr. ges. phys. Ther., 1927-28, 34: 211-24.—**Copeman, W. S. C.** The treatment of arthritis and injuries of the joints by hydrotherapy. J. R. Inst. Pub. Health, 1937-38, 1: 287-90. Also Med. Rec., N. Y., 1938, 147: 435.—**De Giorgio, A.** Le variazioni del calcio e del fosforo ematici in alcune artropatie per azione della luterapia. Fisiol. e med., Roma, 1940, 11: 217-30.—**Edström, G.** [Effect of diathermy in diseases of the joints] Svensk. läk. tidn., 1931, 28: 865-70.—**Einstoss, E., & Hirsch, T.** Die Gelenkerkrankheiten und ihre Blutkörperchenreaktion unter der Einwirkung der Wiesbadener Thermalquellen. Deut. med. Wschr., 1926, 52: 524.—**Freund, E.** Die Balneotherapie der Gelenkerkrankungen. Zschr. wiss. Bäderk., 1926-27, 1: 2-199-210.—**Fried, C.** A radioterapia das artropatias. Rev. clin. S. Paulo, 1941, 9: 43-57; 1942, 11: 58.—**Gerke, O.** Zur Balneotherapie der Gelenkerkrankungen. Wien. klin. Wschr., 1928, 41: 416-8.—**Gonnet, A.** La diathermie dans le traitement du rhumatisme chronique et de diverses affections articulaires. Loire méd., 1926, 40: 177-85.—**Grashey, R.** Röntgentherapie bei Gelenkerkrankungen. In Rheumaprobleme, Lpz., 1934, 3: 32-5.—**Grimaldi, A.** La marconiterapia nelle artropatie. Arch. radiol., Nap., 1939, 15: 647-51.—**Heiner, M.** Die Behandlung der Gelenkerkrankungen im Radiumbad St. Joachimsthal. Wien. klin. Wschr., 1939, 52: 283-5.—**Hopmann.** Behandlung von Gelenkleiden und Unfallfolgen in Heilbädern mit besonderer Berücksichtigung der Oeynhausener Bäder. Zbl. Chir., 1938, 65: 2825.—**Ivantzev, P. N., & Yassman, M. K.** [Transcutaneous bath and its use in chronic diseases of the joints] Sovet. klin., 1933, 19: 99-108.—**Kahlmeter, G.** [Therapeutic physical exercises in arthrosis and spondylitis] Nord. med., 1940, 5: 343-6.—**Karaev, R. G.** [Mud therapy in diseases of the joints] Tr. Vsesouz. sezda fizioter., 1927, 2: 48-52.—**Keller, H.** Solbad- und Trinkkur in der Behandlung der Erkrankungen der Gelenke und Muskeln. Zschr. wiss. Bäderk., 1926-27, 1: 2: 210-5.—**Laqueur, A.** Die physikalische Therapie der chronischen Gelenkerkrankungen. Klin. Wschr., 1927, 6: 315-9.—**Last, E.** Kurzwellen-therapie der Gelenkerkrankungen. Med. Klin., Berl., 1935, 31: 342-5.—**Levin, I.** Physical therapy in the treatment of rheumatoid arthritis and osteoarthritis. Med. Ann. District of Columbia, 1941, 10: 225-9.—**Levine, M. A.** Physical therapy in arthroplasty. Physiother. Rev., 1938, 18: 131.—**Maragliano, V.** La marconiterapia nelle artropatie. Refer. Internat. Kongr. Kurzwellen, 1937, 1. Kongr., 234. Also Accad. med., Genova, 1937, 52: 141-5. Also Wien. med. Wschr., 1937, 87: 756. — Die Marconibehandlung bei Gelenkleiden. Strahlentherapie, 1939, 65: 80-6.—**Moltke, O.** [Recent treatment of joint diseases] Hospitaltidende, 1936, 79: 703-17, 4 pl.—**Ober, F. R.** The application of physical therapy measures in some common knee and shoulder conditions. Med. Rec., N. Y., 1938, 147: 344.—**Paltrinieri, M., & Logröscino, D.** Saggio clinico e sperimentale sui metodi di termoterapia delle malattie articolari. Chir. org. movim., 1935-36, 21: 303-43.—**Pelle, L.** [Ever therapy of joint diseases] Gyógyászat, 1937, 77: 280-3.—**Robben, L.** Electrotherapie dans les affections articulaires. Rev. méd. Louvain, 1929, 314-6.—**Schmidt, L., & Weisz, E.** Einige Leitsätze für die Behandlung mit Schlamm-Umschlagen etc. Erkrank. Beweg. App., Wien, 1926, 1: 141.—**Spivakov, B. I.** [Basic principles of physiotherapy in affections of the joints] Vrach. delo, 1935, 18: 897-902.—**Stein, E.** Gelenkerkrankheiten und Bad Teplitz-Schönau. Med. Klin., Berl., 1927, 23: 1219.—**Stojanov, F., & Bakalova, Z.** [Reactions of the sympathetic nervous system in arthritides under local treatment with mudbaths, during winter] Vrach. gaz., 1928, 32: 425-30.—**Strasser, A.** Zur physikalischen Therapie der Gelenkerkrankheiten. Zschr. wiss. Bäderk., 1928-29, 3: 561-70. — Balneologie und Gelenkerkrankheiten. Wien. med. Wschr., 1933, 83: 1129.—**Thomson, F. G.** Hydrological treatment of diseases of the joints. J. R. Inst. Pub. Health, 1937-38, 1: 291-7. Also Med. Rec., N. Y., 1938, 147: 432-4.—**Ganvain, H., & Copeman, W. S. C.** Hydrological treatment of diseases of the joints. Med. Press & Circ., Lond., 1937, 195: 537-45.—**Toschke, G.** Zur Röntgenbestrahlung von Gelenkerkrankungen. Strahlentherapie, 1941, 70: 443-56.—**Travell, J. W.** Physical measures for joint diseases. Phys. Ther., 1926, 44: 87-9.—**Turkeltaub, M. S.** Ueber die direkte Wirkung von Bädern diverser Zusammensetzung auf die Alkalireserven und den Blutgasgehalt bei Arthritiden. Zschr. klin. Med., 1928, 107: 181-96.—**Věšin, S., & Němec, V.** [Recent treatment of certain arthropathies] Vest. čes. fysiat., 1938, 18: 245-9.
- **Disease—in animals.**
See also Joint-III.
- Gabriel, L.** Common joint conditions in canine patients. Vet. Rec., Lond., 1932, 12: 407-14.—**Leher.** Ueber die subkutane Anwendung von Minimaldosen des Sanarthritis bei der Behandlung chronischer Gelenkerkrankungen des Pferdes und Hundes. Münch. tierärztl. Wschr., 1926, 77: 653-8. — Kritische Betrachtungen zur Behandlung der Gelenkerkrankungen mit Sanarthritis. Ibid., 1929, 80: 328.—**Pietzsch.** Beitrag zur Behandlung chronischer Gelenkerkrankungen des Pferdes mit Sanarthritis. Zschr. Veterinärk., 1927, 39: 295-302.—
- Preuss, H.** Drei seltene Gelenkerkrankungen beim Pferde. Deut. tierärztl. Wschr., 1926, 34: 889-92.—**Rey.** Des injections faites avec la teinture d'iode dans les gaines tendineuses et les articulations du cheval. J. méd. vét., Lyon, 1847, 3: 122-36.
- **Dislocation.**
See Dislocation.
- **Echinococcosis.**
Dévé, F. Echinococose articulaire expérimentale. C. rend. Soc. biol., 1925, 93: 986.—**Larghero Ybarz, P.** Patogenia de la hidatidosis bi-epifisaria de las articulaciones; intervención de los ligamentos intra-articulares: los ligamentos cruzados como vía de propagación de la infección parasitaria de una epifisis a la otra de la articulación de la rodilla. Arch. urug. med., 1939, 15: 545-54.
- **Empyema and suppuration.**
See also subheading Infection; also Arthritis, suppurative.
Dienm, T. *Eitrige Gelenkerkrankungen bei Säuglingen [Berlin] 37p. 8°. Münster [1938]
Gäng, W. *Ergebnisse zur Gelenkempyembehandlung. 31p. 8°. Freib. i. B., 1936.
Mühl-Kühner, R. *Die Amputation im Rahmen der Behandlungsvorgehen der akuten eitrigen Gelenkinfektion. 19p. 22cm. Würzb., 1938.
Voss, P. E. *Ueber das Gelenkempyem. 38p. 22½cm. Marb., 1937.
Benedetti Valentini, F. Il trattamento delle suppurazioni articolari con particolare riguardo alle forme iniziali. Policlinico, 1940, 47: sez. chir., 41: 81.—**Bufo, V.** Sinovite purulenta traumatica. Rinasce. med., 1937, 14: 808.—**Christ, C.** Zur Behandlung der offenen Verletzungen grosser Gelenke, zugleich ein Beitrag zur Therapie der Gelenkempyeme. Zbl. Chir., 1939, 66: 582-91.—**Costa, L.** Le artriti purulente acute. Osp. maggiore, Milano, 1938, 26: 541-5.—**Dupré, R., & Dervillé, P.** Sur un cas de pyarthrose pneumococcique post-traumatique. Ann. méd. lég., 1936, 16: 39-42.—**Fiolle, J.** Traitement des arthrites purulentes douloureuses par l'infiltration analgésique des ligaments. Rev. gén. clin. théor., 1938, 52: 193.—**Kendrick, J. I.** The diagnosis and treatment of acute suppurative arthritis. Surg. Clin. N. America, 1937, 17: 1475-9.—**Kent, J. P.** Acute suppurative arthritis; a simple method for treatment. Indust. M., 1940, 9: 368-70.—**Krida, A.** Acute suppurative arthritis: Recognition and treatment. Med. Clin. N. America, 1937, 21: 1751-4.—**Lauber, H. J.** Ueber Gelenkerkrankungen mit besonderer Berücksichtigung der Behandlung des Kniegelenkempyems. Med. Klin., Berl., 1940, 36: 360.—**Leavitt, D. G.** Treatment of suppurative arthritis. Northwest M., 1940, 39: 169-71.—**Preston, R. L.** Treatment of acute staphylococci suppurative arthritis. Am. J. Surg., 1939, 44: 195-200.—**Rose, F. U.** [Treatment of suppurative infectious arthritis] Nov. khir. arkh., 1937, 38: 115-20.—**Schieber, M.** [Suppurative inflammation of the shoulder and hip joints] Polski przegl. radiol., 1935-36, 10-11: 91-102, 2 pl.—**Schmidt-Lange.** Gasbrandbazillen im Gelenkempyem und Sulfonamidbehandlung. Bull. War M., Lond., 1942-43, 3: 424 (Abstr.).—**Soria, B., & Dottori, A. F.** Un caso de artritis supurada aguda a neumococo curada con el haptoógeno pneumo Méndez por vía intraarticular. Sem. méd. B. Ar., 1939, 46: pt 2, 275.—**Weaver, J. B., & Sherwood, L.** Hematogenous pyarthrosis due to Bacillus haemophilus influenzae and Corynebacterium xerosis. Surgery, 1938, 4: 907-13.—**Wiesmann, E.** Zur Frage der pyämischen Gelenkmetastasen. Deut. Zschr. Chir., 1937, 249: 224-55.—**Wulff, H.** Die Willenssche Behandlung der nichtspezifischen Gelenkerkrankung. Arch. klin. Chir., 1939, 196: 432-59 [Discussion] 153.
- **Examination.**
See also subheadings (Crepitation; Disease; Diagnosis; Radiology)
Baeyer, H. von. Synhaptische Gliedermechanik. Münch. med. Wschr., 1933, 80: 755-60.—**Bastos Ansart, M.** La medición de los movimientos y la perimetría de las articulaciones. Progr. clin., Madr., 1917, 9: 5-17.—**Bidou, G.** Rapporteur à index. C. rend. Acad. sc., 1934, 198: 1267-9.—**Burman, M. S.** Arthroscopy or the direct visualization of joints; an experimental cadaver study. J. Bone Surg., 1931, 13: 669-95. — **Sutro, C. J.** Arthroscopy by fluorescence (an experimental study) Arch. Phys. Ther., 1935, 16: 423.—**Cave, E. F., & Roberts, S. M.** A method for measuring and recording joint function. J. Bone Surg., 1936, 18: 455-65.—**Cooper, W.** A simplified arthrometer. Ann. Surg., 1941, 114: 316.—**Dann, W.** Die Perigraphie der Gelenke. In Festschrift F. de Quervain, Basel, 1928, 46-68. Also Schweiz. med. Wschr., 1928, 58: 551-8. — Gelenkperigraphische Bilder mit vollautomatischem Instrument. Helvet. med. acta, 1939-40, 6: 930-6.—**Eisenschimmel-Eisen, O.** Beitrag zur Gelenkauskultation. Wien. klin. Wschr., 1937, 50: 1251-4.—

Finkelstein, H., & Mayer, L. The arthroscopy: a new method of examining joints. *J. Bone Surg.*, 1931, 13: 583-8.—**Fox, R. F.** An arthrometer. *Brit. M. J.*, 1918, 2: 659.—**Geist, E. S.** Arthroscopy; a preliminary report. *J. Lancet*, 1926, 46: 306.—**Graber-Duvernay.** Trocart à biopsie articulaire. *Lyon méd.*, 1934, 154: 536-8.—**Hand, J. G.** A compact pendulum arthrometer. *J. Bone Surg.*, 1938, 20: 494.—**Jancke, C. E.** Die probatorische Arthrotomie bei unklaren Gelenkerkrankungen. *Zbl. Chir.*, 1929, 56: 1036-9.—**Keller, H.** Experimental studies on visualization of joints by injections of a drug. *Proc. Soc. Exp. Biol.*, N. Y., 1929-30, 27: 852-5.—**Kenji, T.** Arthroscopia. *Dia méd.*, B. Air., Ed. espec., 1940, 78.—**Kopits, I.** Gelenkperimetrische Messungen an der Schulter und am Ellbogen. *Verh. Deut. orthop. Ges.* (1935) 1936, 30. Kongr.—**Looser, E.** Die systematische Untersuchung des Gelenkapparates. *Schweiz. med. Wschr.*, 1934, 64: 646-8.—**Maliwa, E.** Ueber die differentialdiagnostische Bedeutung der Gelenksauskultation. *Wien. med. Wschr.*, 1929, 79: 1079.—**Molander, C. O., & Weinmann, B.** A new chart system for recording joint measurements. *Physiother. Rev.*, 1941, 21: 88-90.—**Parker, J. S.** Recording arthroflexometer. *J. Bone Surg.*, 1929, 11: 126.—**Schlaaff, J.** Der Messfächer, ein Zwangsmass, in Theorie und Praxis. *Verh. Deut. orthop. Ges.* (1937) 1938, 32. Kongr., 329-39.—**Der Messfächer, ein Zwangsmass zu einheitlicher Gelenkmessung.** *Zbl. Chir.*, 1937, 64: 1354-9.—**Paeraga zum Messfächer.** *Ibid.*, 2309-15.—**Der Messfächer in neuer Form.** *Münch. med. Wschr.*, 1938, 85: 369.—**Der Finger-Fächer.** *Zbl. Chir.*, 1939, 66: 1078-83.—**Die Notwendigkeit einheitlicher Gelenkmessungen.** *Deut. Militärarzt*, 1941, 6: 211-3.—**Schott, E.** Auskultation der Gelenke. *Verh. Deut. Ges. inn. Med.*, 1932, 44. Kongr., 482.—**Sonntag, E.** Die diagnostische und therapeutische Bedeutung der Funktion von Gelenkergüssen. *Zschr. ärztl. Fortbild.*, 1932, 29: 133-8.—**Spirit, I.** Ueber die klinische Bedeutung der Gelenksauskultation. *Zschr. ges. phys. Ther.*, 1926, 32: 58-61.—**Steindler, A.** Auscultation of joints. *J. Bone Surg.*, 1937, 19: 121-36.—**Tannhauser, S.** Ueber Gelenksauskultation. *Deut. med. Wschr.*, 1926, 52: 793.—**Ventaglio digitale per le misure articolari.** *Riforma med.*, 1939, 55: 1290.—**Walters, C. F.** The value of joint auscultation. *Lancet*, Lond., 1929, 1: 920.—**Wiechec, F. J.** The technic of joint measurement in physical therapy. *Physiother. Rev.*, 1937, 17: 183-5.—**Krusen, F. H.** A new method of joint measurement and a review of the literature. *Am. J. Surg.*, 1939, 43: 659-68.

Exostosis.

Ernst, M. Klinische Beobachtungen über die Heilung subchondraler Knochenausprossungen. *Arch. klin. Chir.*, 1934, 179: 637-47.—**Kienböck, R.** Ueber solitäre Gelenksexostosen. *Zschr. orthop. Chir.*, 1931, 55: 392-7.

Foreign body.

See also subheading Loose body.

CHABAUD, R. L. *Formes cliniques étiologiques des corps étrangers articulaires. 70p. 8°. Par., 1927.

Bourgeois, P. Origine des corps étrangers articulaires. *Vie méd.*, 1926, 7: 110.—**Cazeilles & Daniel.** Corps étranger articulaire; fracture parcellaire ou maladie de Koenig? *Bull. Soc. électroradiol. méd. France*, 1939, 27: 566-8.—**Desbonnets, G.** Corps étrangers articulaires. *J. se. méd. Lille*, 1925, 43: pt 1, 215-22.—**Ehrenthel, O. F.** Ueber Fremdkörperarthritis. *Deut. Zschr. Chir.*, 1928, 208: 409-14.—**Girard, J. G.** Corps étrangers articulaires. *Rev. méd. Nancy*, 1937, 65: 209-16.—**Key, J. A.** Foreign body arthritis. *J. Am. M. Ass.*, 1939, 113: 1065.—**Also Surg. Gyn. Obst., 1940, 70: 897-902.—**Lamare, J. P.** Corps étrangers articulaires. *Bull. méd.*, Par., 1937, 51: Suppl., 23.—**Leriche, R., Jung, A., & Berthel, C.** Résultats éloignés de l'ablation chirurgicale des corps étrangers articulaires, d'après 31 cas. *J. chir.*, Par., 1939, 54: 1-20.—**Loubat & Magendie.** Des corps étrangers articulaires traumatiques; à propos de 2 cas de corps étrangers articulaires. *Bordeaux chir.*, 1936, 7: 299-308.—**Massari, R., & Vidal-Naquet, G.** Les corps étrangers articulaires. In *Prat. orthop.*, Par., 1938, 136-42.—**Monteiro, H., & Tavares, A.** Sesamoideus e corpos estranhos articulares. *Arq. anat.*, 1929-30, 13: 157-72.—**Morand, P.** Les corps étrangers articulaires et leur traitement chirurgical. In *Prat. chir. illust.* (Panchet, V.) 3. éd., Par., 1930, 15: 215-34.—**Moulouquet, P.** La signification pathologique des corps étrangers articulaires. *Ann. anat. path.*, Par., 1928, 5: 393-439.—**Foreign bodies in joint joints.** *J. Bone Surg.*, 1929, 11: 353-64.—**Corps étrangers articulaires.** In *Traité chir. orthop.* (Ombredanne) Par., 1937, 1: 716-28.—**Paitre, R. F. C.** Les corps étrangers articulaires. *Arch. méd. pharm. mil.*, 1931, 95: 165-93.—**Weber.** Deux cas d'accidents à longue échéance dus à des fragments de pierre inclus près d'une articulation. *Bull. Soc. chir. Paris*, 1934, 26: 655-7.**

Fracture.

See also subheadings (Ankylosis; Injury) also Fracture, compound.

STRÉE, A. L. *Les ostéo-arthropathies consécutives aux fractures articulaires. 88p. 8°. Par., 1936.

Articular fractures in war. *J. Am. M. Ass.*, 1938, 111: 1032.—**Bonn, R.** Ueber Diagnose und Therapie praktisch wichtiger Luxationen und Gelenkfrakturen. *Beih. Med. Klin.*, Berl. 1926, 22: 99-120.—**Burman, C. E. L.** Fractures in and around joints. *J. M. Ass. S. Africa*, 1928, 3: 517-9.—**Delitala, P.** Risultati sperimentali sulle fratture delle articolazioni nel coniglio e nel cane. *Arch. ortop.*, Milano, 1927, 43: 343-61, 3 pl.—**Ensminger, L. A.** Fractures involving joints of the extremities, and their subsequent impairment. *Internat. J. M. & S.*, 1933, 46: 307-13.—**Eyre-Brook, A. L., & Pridie, K. H.** Intracapsular fractures. *Lancet*, Lond., 1941, 2: 383.—**Gay, G. W.** Obscure fractures in the vicinity of joints. *Los Angeles M. J.*, 1903-04, 1: 469; 517; 565.—**Graves, G. Y.** Joint fractures. *Kentucky M. J.*, 1941, 39: 19-24.—**Hareide, I.** Fettnivå i kneleddet ved intraartikulære frakturer. *Nord. med.*, 1941, 10: 1421 (Abstr.).—**Henderson, M. S.** Fractures with special reference to the hip, ankle and elbow. *Ann. Surg.*, 1931, 93: 968-83.—**Kulenkampf, D.** Ueber Gelenkbrüche. *Münch. med. Wschr.*, 1933, 80: 1468-70.—**Matz.** Ueber selteneren Frakturen innerhalb grösserer Gelenke. *Zbl. Chir.*, 1937, 64: 2713-5.—**Moorhead, J. J.** Joint fractures. *Proc. Interst. Postgrad. M. Ass. N. America*, 1939, 246-50.—**Shaw, W. M.** Fractures at the ankle and wrist. *J. Florida M. Ass.*, 1933, 20: 244-6.—**Thomas, H. B.** Articular and juxta-articular fractures. *Illinois M. J.*, 1928, 53: 50-2.—**Wilson, P. D.** Joint fractures. *Boston M. & S. J.*, 1925, 193: 338-45.

Fracture: Treatment.

HINRICHTSEN, M. [geb. KRAUSE] *Ueber primäre freie Fettgewebstransplantation bei schweren Gelenkfrakturen. 28p. 8°. [Berl.] 1930.

LERICHE, R. Traitement des fractures. v.1: Fractures articulaires. 2. éd. 200p. 8°. Par., 1917.

NEFEDOW, A. *Zur Frage der frühzeitigen blutigen Eingriffe bei Fracturen mit besonderer Berücksichtigung der para- und intraartikulären Brüche. 46p. 8°. Basel, 1909.

Angerer, W. Behandlung schwerer Gelenkbrüche des Ellbogen- und Kniegelenkes in der Landpraxis. *Zbl. Chir.*, 1936, 63: 1581-5.—**Boppe, M.** A propos du traitement des fractures juxta-articulaires (position d'immobilisation). *Presse méd.*, 1934, 42: 534.—**Branzen, P., & Blum, E.** Quelques résultats du traitement de certaines fractures articulaires par les infiltrations de novocaïne et la mobilisation active immédiate. *Lyon chir.*, 1938, 35: 417-35.—**Caccia, F.** Trattamento delle fratture articolari. *Arch. ortop.*, Milano, 1927, 43: 115-48.—**Also Gior. med. mil., 1927, 75: 522-43.—**Caldwell, G. A.** Physiotherapy in simple fractures intersecting joints. *N. Orleans M. & S. J.*, 1939-40, 92: 352-5.—**Colp, R., & Mage, S.** The treatment of joint fractures. *Ann. Surg.*, 1933, 97: 177-88.—**Courriades.** Quatre observations de fractures articulaires et para-articulaires traitées par la mobilisation précoce sans novocaïnisation. *Bordeaux chir.*, 1939, 10: 45-7.—**D'Aubigné, M.** Deux observations de fractures juxta-articulaires vicieusement consolidées traitées par ostéotomie cunéiforme. *Bull. Soc. nat. ch. r.*, Par., 1934, 60: 297-304.—**Decref.** El amasamiento húmedo en el tratamiento de las fracturas yuxtaarticulares. *Progr. clín. Madr.*, 1918, 11: 31-40.—**Delitala, F., & Marconi, S.** Il trattamento delle fratture articolari e dei loro esiti. *Arch. ortop.*, Milano, 1926, 42: 522-676, 5 ch.—**Fleming, E. G.** Manipulation of the fractional displacement of joints. *Med. Press & Circ.*, Lond., 1935, 191: 476-8.—**Gioia, T.** Contribución al tratamiento de las fracturas articulares abiertas, por medio de la sutura precoz sin drenaje. *Sem. méd.*, B. Air., 1934, 41: pt 2, 1642-4.—**Gómez Cello, P., & Hosch, C. E.** Contribución al tratamiento quirúrgico de las fracturas articulares. *Ibid.*, 1935, 42: pt, 625.—**Hinton, J. W.** Occupational therapy in the treatment of joint fractures. *Occup. Ther. Rehabil.*, 1929, 8: 409-14.—**Also Arch. Surg., 1930, 20: 851-65.—**Ionescu, E.** [Novocaïnization in articular fractures] *Cluj. med.*, 1939, 20: 358-60.—**Jorge, J. M.** Traitement opératoire des fractures articulaires. *J. chir.*, Par., 1929, 34: 602-16.—**Jung, A.** Trois cas de fracture du coude et du genou traités par infiltrations novocaïniques et mobilisation immédiate. *Rev. chir.*, Par., 1937, 75: 450-62.—**Lambert, L.** Infiltration de novocaïne et mobilisation active immédiate des fractures para-articulaires. *Ann. Soc. méd. chir. Liège*, 1938, 224-32.—**Also Liège méd., 1939, 32: 35-41.—**LeBreton, P.** The value of skeletal traction, especially in some fractures near the joints. *J. Florida M. Ass.*, 1936-37, 23: 623-31.—**Leriche, R.** Des règles à suivre dans le traitement des fractures articulaires par infiltration novocaïnique des ligaments et mobilisation active immédiate. *Presse méd.*, 1937, 45: 873-5.—**Freilich, F.** Traitement de certaines fractures articulaires par les infiltrations de novocaïne et la mobilisation active immédiate. *Ibid.*, 1936, 44: 1665.—**Levering, J. W.** The treatment of compound******

fractures involving joints. Pennsylvania M. J., 1941-42, 45: 705-10.—**Melo do Rego, J. de**. Sobre o tratamento das fraturas articulares. Impr. med., Rio, 1941, 17: No. 332, 49-57.—**Newell, E. T.** Open operation of fractures, with special reference to joint fractures. South. M. J., 1925, 18: 740-3.—**Nissen, R.** Primäre Plastik bei schweren Gelenkbrüchen. Deut. Zschr. Chir., 1931, 230: 273-83.—**Piotet, G.** La mobilisation immédiate dans les fractures articulaires du coude et du genou. Helvet. med. acta, 1939-40, 6: 990-5.—**Plisson, L.** Les principes généraux applicables au traitement des fractures articulaires fermées récentes. Progr. méd., Par., 1927, 42: 215-20.—**Rehren, W. von**. Erfahrungen bei intra-artikulären Frakturen. Arch. klin. Chir., 1927, 145: 480-514.—**Ricerche** statistiche sulle fratture articolari: statistica complessiva delle fratture curate dall'Istituto Rizzoli (1899-1926). Chir. org. movim., 1928, 12: 442-4.—**Sluss, J. W.** Joint fractures; operative approach. Internat. J. M. & S., 1929, 42: 327-33.—**Stuart, F. A.** Individuality in the treatment of fractures into or near joints. J. Oklahoma M. Ass., 1939, 32: 64-7.—**Stuck, W. C.** Removable crossed wires for fractures into joints. Med. Rec., Houston, 1937, 31: 309. Also South. Surgeon, 1937, 6: 435-9.—**Trèves, A.** Traitement de certaines fractures articulaires par l'infiltration de novocaïne et la mobilisation immédiate. Bull. Soc. méd. Paris, 1938, 261-5.—**Vidal-Naquet, G.** Traitement de certaines fractures articulaires par la novocaïne et la mobilisation active. In Année méd. prat., Par., 1939, 18: 164-6.—**Wittek, A.** Zur Frakturenbehandlung (intra-artikuläre Frakturen). Deut. Zschr. Chir., 1926, 195: 42-51.

— Ganglion.

See Ganglion; also Synovial membrane.

— Hemarthrosis.

See also subheading Injury; also Hemophilia.

Akkerman, V. V., & Kukharchik, V. V. (Hematological investigation of the puncture of traumatic hemarthrosis) Vest. khir., 1941, 61: 26-33.—**Andresen, R.** Zur Frage des nichttraumatischen Blutergusses in Gelenken. Mschr. Unfallh., 1939, 46: 394-400.—**Bastos-Ansart, M.** Die hämorrhagische Synovitis als pathologische Basis für den rezidivierenden Rheumatismus. Rapp. Congr. internat. rhumat. (1934) 1936, 4. congr., 215-20.—**Blanco Acevedo, E.** La punción articular en las hemartrosis. Dia. méd., B. Air., 1934-35, 7: 773.—**Chiari, H.** Die blutigen Gelenkerkrankungen. In Handb. spez. path. Anat. (Lubarsch & Henke) 1934, 9: pt 2, 1-11.—**Franceschini, P.** La funzione emorateretica della membrana sinoviale in corso di emartro. Chir. org. movim., 1929, 13: 141-57.—**Gebhardt, K.** Par-artikuläre Blutung gegenüber Höhlengruss, ihre Behandlung mit beschränkter Feststellung. Münch. med. Wschr., 1931, 78: 1864-9.—**Hæmophilic joints.** Brit. J. Surg., 1930, 18: Suppl., 1, pl.—**Iasinovsky, M. A., Solomiani, V. M., & Temper, V. A.** [Affections of the joints in hemorrhagic diathesis and their treatment] Radianska med., 1937, 2: No. 5, 186-94.—**Johnson, M. A., jr.** Hemarthrosis. Virginia M. Month., 1932, 59: 457.—**Lance.** Arthropathies hémophiliques. Gaz. hôp., 1935, 108: 724-9.—**Nisegge, C. H.** Arthroplastias hemofilias (estudio radiológico) Prensa méd. argent., 1927, 14: 620-6.—**Nobécourt.** Les arthropathies des hémophiles. Progr. méd., Par., 1938, 149: 155.—**Paitre, F.** Hémarthroses. In Traité chir. orthop. (Ombredanne) Par., 1937, 1: 583-9.—**Petrov, B. A., & Remisov, A. A.** [Hemophilia of joints] Russ. klin., 1926, 5: 742-56.—**Rabinovich, J.** [Clinic of hereditary hemophilic arthropathy] Klin. med., Moskva, 1928, 6: 244-8.—**Raffaelli, M.** Contributo allo studio radiologico delle cosiddette artriti emofiliche. Arch. radiol., Nap., 1934, 10: pt 1, 453-63.—**Reinecke & Wohlwill.** Ueber hämophile Gelenkerkrankung. Arch. klin. Chir., 1929, 154: 425-79.—**Scaglietti, O.** Sul quadro radiografico delle artropatie emofiliche. Chir. org. movim., 1934, 20: 329-43.—**Selliger, P.** Zur Frage des Schicksals von Blutergüssen in Gelenken. Klin. Wschr., 1926, 5: 1616.

— Hydrarthrosis [incl. exudate and transudate]

See also under names of primary disease as **Malaria; Syphilis; Tuberculosis.**

BEAUGEARD, G. H. P. *L'hyarthrose périodique. 56p. 8°. Par., 1930.

BENDA, T. Intermittierende Gelenkwassersucht. 60p. 8°. Berl., 1900.

LAURENT, A. *L'hyarthrose hérédo-syphilitique tardive. 63p. 8°. Par., 1934.

B. Sulla compressione vaporosa commendata dal dott. Rognetta nell'idrartro; osservazioni critiche. Filatre sebezio, Nap., 1836, 11: 224-7.—**Bayeux, R.** L'oxygène en compression intra-articulaire. Clinique, Par., 1926, 21: 261.—**Berger, H.** Intermittent hydrarthrosis with an allergic basis. J. Am. M. Ass., 1939, 112: 2402-5.—**Carter, G.** Intermittent hydrarthrosis (hydrops intermittens articuli) Yale J. Biol., 1929-30, 2: 431-6.—**Chalnot.** Hydrarthrose. Rev. méd. Nancy, 1936, 64: 399-407.—**Comroe, B. I.** Intermittent hydrarthrosis. In his Arthritis, Phila., 1940, 514-8.—**Dagron.** Traitement de l'hydrarthrose. Rapp. Congr. internat. physio-

thér., 1905, 1. Congr., No. 13, 1-3 [Discussion] C. rend., 1906, 41.—**Delbet, P., & Cartier, P.** Sur la pathogénie de certains épanchements articulaires. Bull. Acad. méd., Par., 1932, 3. ser., 107: 764-72.—**Feigneaux, A.** Della pomata di nitrato d'argento come mezzo per risolvere l'idrartro. Gazz. toscana sc. med. fis., 1849, 7: 235.—**Gaté, J., Proby & Michel, P. J.** Hydrarthrose unilatérale au cours d'une syphilis ancienne pauci-symptomatique. Bull. Soc. fr. dermat. syph., 1934, 41: 184.—**González y González, R.** Sobre un caso de hidropesia articular intermitente y alternante de ambas rodillas observado en mi clínica médica del Hospital militar de Miramar de Málaga. Rev. españ. med. cir. guerra, 1940, 4: 126-8.—**Green, M.** Possible intermittent hydrarthrosis. Am. J. Dis. Child., 1941, 62: 1111.—**Grosschopp.** Die Wechsellösung als gute Waffe zur Bekämpfung der Gelenkergüsse. Med. Klin., Berl., 1926, 22: 1040.—**Häbler, C.** Untersuchungen zur Molekularpathologie der Gelenkexsudate und ihre klinischen Ergebnisse. Arch. klin. Chir., 1929, 156: 20-42.—**Hoffheinz, S.** Postoperative Gelenkergüsse. Zbl. Chir., 1939, 66: 2207. Also Deut. Zschr. Chir., 1939-40, 253: 90-3.—**Johnson, L. M.** Hydrarthrosis, intermittent. Arch. Derm. Syph., Chic., 1942, 46: 568.—**Kling, D. H.** Bilirubin in effusions of the joints; method of estimation and significance. Arch. Surg., 1930, 20: 17-25. Synovial cells in joint effusions. J. Bone Surg., 1930, 12: 867-70. Aspiration of joint effusions. Ann. Surg., 1931, 94: 389-96.

P. Präcipitationsphänomene in Gelenkflüssigkeiten (Sack- und Membranformation) Deut. Arch. klin. Med., 1931-32, 172: 165-73.—**Krummel, E.** Zur Zytologie der Gelenkergüsse bei intermittierender Gelenkwassersucht. Wien. klin. Wschr., 1931, 44: 1464-7.—**Läwen, A.** Ueber die operative Behandlung rezidivierender unspezifischer und gonorrhöischer Gelenkergüsse. Münch. med. Wschr., 1933, 80: 965-8.—**Lagomarsino, E. H., & Dal Lago, H.** Las lesiones sinoviales en las rupturas meniscales; su relación con las hidrartrosis postoperatorias. Rev. ortop. traumat., B. Air., 1936-37, 6: 395-403.—**Lasch, C. H.** Die Bestimmung der Wasserstoffionkonzentration in Gelenkergüssen. Arch. klin. Chir., 1926, 141: 129-34. Weitere Untersuchungen über die Wasserstoffionkonzentration in Gelenkergüssen. Ibid., 1928, 150: 506-9.—**Leriche, R.** Mécanisme des hydrarthroses et des arthrites traumatiques; conception générale de leur traitement. Lyon chir., 1928, 25: 225-36. Also Presse méd., 1928, 36: 769-72.—**Mouzon, J.** Quelques faits nouveaux concernant l'histoire de l'hydrarthrose périodique et sa pathogénie. Ibid., 1926, 34: 1142-5.—**Mumford, E. B.** Aspiration of joints. J. Indiana M. Ass., 1932, 25: 162-5.—**Natin, I.** Hydrarthrosis séria. Sem. méd., B. Air., 1930, 37: pt 1, 523-6.—**Nyström, G.** The cytology of joint exudates as an aid to diagnosis. In his Lect. Embolism, Balt., 1936, 117-70.—**Planet, A.** Traitement électrique de l'hydrarthrose. Rapp. Congr. internat. physiothér., 1905, 1. Congr., No. 47, 1-3 [Discussion] C. rend., 1906, 82. Also Ann. électroth., Lille, 1905, 8: 771-803.—**Porter, J. L., & Loneragan, J. C.** Intermittent hydrarthrosis. J. Bone Surg., 1932, 14: 631-9.—**Pouzet, F.** De l'examen systématique des épanchements articulaires. Lyon méd., 1930, 146: 461-8.—**Raillet, G.** Sur un cas d'hydrarthrose périodique; considérations thérapeutiques; action possible de la pyrotérapie. Bull. Soc. méd. hôp. Paris, 1938, 3. ser., 54: 1579-83.—**Risak, E., & Winkler, W.** Zur Klinik und Pathologie der Gelenkergüsse. Deut. Arch. klin. Med., 1929, 165: 129-64. Die Gelenktranssudate. Zschr. klin. Med., 1929-30, 112: 356-70.—**S.** Die traumatischen Gelenkergüsse. Arch. klin. Chir., 1930, 161: 190-214.—**Sardou, G.** Le rôle de la sensibilité météorique et cosmique dans la pathogénie et l'évolution de certaines hydrarthroses. Rev. gén. clin. théor., 1931, 45: 310-2.—**Schlesinger, H.** Ueber den Hydrops articuli intermitentis und seine familiäre Form. Wien. klin. Wschr., 1926, 39: 68-72. Neue therapeutische Versuche beim Hydrops articuli intermitentis. Ibid., 1929, 42: 832. Weitere therapeutische Versuche beim Hydrops articuli intermitentis. Ther. Gegenwart, 1932, 73: 151-3.—**Service, W. C.** Hydrarthrosis of allergic origin. Am. J. Surg., 1937, 37: 121.—**Smith, H. J.** Intermittent hydrarthrosis. J. Am. M. Ass., 1942, 120: 578.—**Vogl, A.** Zur Frage der Zusammenhänge zwischen Hydrops articuli intermitentis und Ovarialfunktion. Wien. klin. Wschr., 1932, 45: 1344-6.—**Weismann-Netter, R.** A propos de l'hydrarthrose périodique et de son traitement. Bull. Soc. méd. hôp. Paris, 1937, 3. ser., 53: 185-7.

— Immobilization.

See also subheadings (Ankylosis: Etiology; Fracture: Treatment)

Debrunner, H. Ueber die Gefahren langdauernder Ruhigstellung von Gelenken. Schweiz. med. Wschr., 1925, 55: 692-6.—**Di Moffetta, N.** Sopra il modo di comportarsi delle terminazioni nervose nelle articolazioni immobilizzate. Arch. ortop., Milano, 1938, 54: 653-80. Sul modo di comportarsi delle articolazioni negli arti immobilizzati. Arch. ital. chir., 1939, 55: 14-38.—**Ely, L. W., & Mensor, M. C.** Studies on the immobilization of the normal joints. Surg. Gyn. Obst., 1933, 57: 212-5.—**Gatta, R.** Ricerche istologiche sul comportamento della sinoviale nell'immobilizzazione delle articolazioni. Chir. org. movim., Bologna, 1933-34, 18: 273-85.—**Harvey, A. M.** The alleged effect of acetylcholine on immobilized joints. Brit. M. J., 1938, 1: 835.—**Picetti, G., & Parodi, L.** Gli effetti dell'immobilità e dello scarico funzionale sulla cartilagine di coniugazione. Arch. ortop., Milano, 1938,

54: 257-84.—**Preventing** limitation of motion in joints following wounds, by a medical officer of the Russian Army. U. S. Nav. M. Bull., 1943, 41: 236.—**Rouvière, H.** De l'atrophie des cartilages de revêtement dans les articulations normales immobilisées. Ann. anat. path., Par., 1937, 14: 721-4.—**Scaduto, G.** I gravi danni che può produrre l'immobilità prolungata nella cura delle affezioni ossee ed articolari in giovani soggetti. Arch. radiol., Nap., 1925, 1: 665-72.—**Scaglietti, O., & Casuccio, C.** Studio sperimentale degli effetti della immobilizzazione su articolazioni normali. Chir. org. movim., 1935-36, 20: 469-88.—**Schulhof, V.** [Incidence and treatment of pain caused by inhibited mobility of the large joints] Budapesti orv. ujs., 1939, 37: 644-7.—**Spšic, B.** Der orthopädische Gipsverband bei Gelenkerkrankungen. Verh. Verein. orthop. Wien (1937) 1938, 78-84.

Industrial aspect.

AUERBACH, H. *Gelenkerkrankungen und Muskelfatrophie als Folgen der Arbeit mit Pressluftwerkzeugen. 28p. 8° Bonn, 1934.

BREITBACH, H. *Wann ist eine Arthritis deformans durch Arbeiten mit Pressluftwerkzeugen hervorgerufen als Berufskrankheit anzusehen? 25p. 8° Bonn, 1932.

Baumecker, H. Gelenkfixierung und Unfallbegutachtung. Arch. orthop. Unfallchir., 1933, 33: 190-3.—**Burckhardt, H.** Abnutzung, Trauma, Regeneration, Berufsschädigung, Unfall. Med. Welt, 1933, 7: 1125; 1169.—**Fossataro, E.** L'artrite nella pratica infernistica. Gior. venet. sc. med., 1939, 13: 232-5.—**Güntz, E.** Die gewerbliche Beurteilung von Gelenkschäden. Med. Klin., Berl., 1940, 36: 1123-5.—**Haehner, Ueber** Gelenkschädigungen durch Pressluftwerkzeuge. Mschr. Unfallheilk., 1930, 37: 561-70.—**Holtzmann, E.** Eine Gelenkveränderung durch Arbeit mit Pressluftschlämmern. Zbl. Gewerbehyg., 1926, n. F., 3: 235-7.—**Lasher, W. W.** Intra-articular damage. Indust. M., 1938, 7: 644-6.—**Lozano, R.** Artroplastias, restauración funcional y accidentes del trabajo. Med. trabajo, 1930, 1: 20-37.—**Meiss, W. C.** Gewichtsabwinkungen, veroorzaakt door werken met door samengeperste lucht gedreven werktuigen. Ned. tschr. geneesk., 1932, 76: pt 4, 5902-11, 2 pl. Also Mschr. Unfallh., 1933, 40: 453-62.

[Affections of the joints caused by air compression machinery] Ned. tschr. geneesk., 1934, 78: 4036-9.—**Muggia, A.** Artropatie professionali o artropatie costituzionali estrinsecate da lavoro? Riv. idroclim., 1933, 44: 52-68.—**Prosperi, G.** La predisposizione e l'usura nella patologia articolare da lavoro. Ber. Internat. Kongr. Unfallmed. (1938) 1939, 8. Congr., 1: 293-301.—**Prusik, B., & Teisinger, J.** L'influence du travail avec les appareils pneumatiques et vibratoires sur les articulations. Rev. rhumat., Par., 1936, 3: 788.—**Regensburger, K.** Meniscusschäden, eine Folge der Arbeit mit Pressluftwerkzeugen? Zbl. Chir., 1934, 61: 2707-9.—**Rostock, P.** Die Zusammenhänge zwischen der Dauer von Pressluftwerkzeugarbeit und Gelenkschäden. Mschr. Unfallheilk., 1931, 38: 337-49.—**Gelenkschäden durch chronische Erschütterungen.** Zbl. Chir., 1934, 61: 630-4.—**Gelenkschäden durch Arbeiten mit Pressluftwerkzeugen und andere schwere körperliche Arbeit.** Med. Klin., Berl., 1936, 32: 341-3.—**Gelenkschädigungen durch Arbeit mit Pressluftwerkzeugen.** Fortsch. Röntgenstrahl., 1937, 55. Kongr., 21-3.—**Gelenkschäden durch Pressluftwerkzeugarbeit.** Bull. Hyg., Lond., 1942, 17: 755 (Abstr.).—**Spir, J., & Shklovskaja, S.** [Effect of diseases of joints on capacity for work] Vrach. delo, 1928, 11: 822-5.—**Tománek, F.** [Effect of the organism, time, profession and other factors in the etiology of arthropathies] Cas. lék. česk., 1932, 71: 965; 1003; 1039.

Infection.

See also **Arthritis**, infectious; also under names of infectious diseases as **Gonorrhea**, **Arthritis**; **Sepsis**, etc.

COLOMBIER, G. L. *Contribution à l'étude de l'arthrite infectieuse des vaches laitières et de son traitement [Alfort] 39p. 8° Par., 1926.

WIESMANN, E. *Zur Frage der pyämischen Gelenkmetastasen [Zürich] p.224-55. 8° Würzb., 1937.

Also Deut. Zschr. Chir., 1937-38, 249:

Aldrich & Anspach. Septic knee and septic ankle; the role of sulfonamide drugs in their treatment. Case Rep. Child. Mem. Hosp. Chicago, 1942, 1: 11.—**Armstrong, G. W.** Acute septic arthritis. Canad. M. Ass. J., 1936, 34: 177-80.—**Baj, L.** Trauma e microbismo latente in rapporto alle infezioni osteo-articolari. Gior. batt. immun., 1933, 11: 841-6.—**Bishop, W. A.** A case of primary bacillus-pyocyanus arthritis in an infant. J. Bone Surg., 1938, 20: 216-8.—**Bolognesi, G.** Sulla stafilococchi articolare: contributo clinico. Chir. org. movim., 1926, 40: 65-72.—**Cleveland, M.** Osteomyelitis and pyogenic infections of joints. Bull. N. York Acad. M., 1941, 17: 205-20.—**Cotton, F. J.** Disinfection of septic joints. J. Bone Surg., 1926, 8: 395-400.—**Demel, R.** Ein tierexperimenteller Beitrag zur Gelenkinfektion. Arch. klin. Chir., 1927-28, 149: 213-21.—**Fagge, C. H.** Pneumococcal arthritis. Guy's

Hosp. Rep., Lond., 1933, 83: 444-51.—**Frühwald, R.** Spirochaetosis arthritica. Prakt. Arzt, 1927, n. F., 12: 500-3.—**Goret, P., & Jean, E.** Sur la localisation articulaire du bacille du rouget; reproduction expérimentale d'arthrites à bacilles du rouget chez le lapin. Bull. Acad. vét. France, 1934, 7: 312-6.—**Harris, R. I.** Acute infective lesions of joints; suppurative. Bull. Acad. M. Toronto, 1936, 9: No. 5, 118-23.—**Jarlov, E.** Experimental researches of acute and chronic joint diseases through intravenous streptococci infection (cinematographic demonstrations) Acta med. scand., 1936, Suppl. 78, 379-81 [Discussion] 384.—**Brinch, O.** Experimentelle Untersuchungen über akute und chronische Gelenkerkrankungen, hervorgerufen durch eine einzelne Infektion. C. rend. Congr. internat. rhumat. (1936) 1938, 5. Congr., 63-5.—**Loneragan, R. C.** Aspiration of the joints; its value as a therapeutic procedure in septic joints of low virulence. Boston M. & S. J., 1926, 194: 661-4.—**Lucca, E.** Ricerche sperimentali sulla localizzazione elettiva dello stafilococco piogeno nell'articolazione. Gior. batt. immun., 1934, 13: 333-52.—**Marri, P.** Stafilococchi articolare. Policlinico, 1935, 42: sez. chir., 642-54.—**Massias, C.** Hybrides de gonococcie et de syphilis; les arthrites pyoïdes syphilo-gonococciques. Rev. gén. clin. théor., 1935, 49: 182-4.—**Milella, M.** L'artrotropismo degli streptococchi isolati dalle tonsille di persone sane viventi in ambienti umidi ed asciutti. Gazz. internaz. med. chir., 1936, 46: 117-21.—**Patterson, M. B., & Preston, R. L.** Experimental staphylococcus arthritis in rabbits. J. Bact., Balt., 1937, 33: 45.—**Pekarek, F.** Etappenabscetzung bei septischen Gelenkprozessen an der unteren Extremität. Münch. med. Wschr., 1926, 73: 373.—**Pemberlon, R., & Seull, C. W.** Infections of joints. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 8: 228-40.—**Pescatori, F.** Patogenesi e decorso della difterite sperimentale da inoculazione di bacillo di Loeffler nel cavo articolare. Pathologica, Genova, 1930, 22: 16-20.—**Preston, R. L., & Patterson, M. B.** Experimental staphylococcus arthritis in rabbits; clinical course and requirements for treatment. J. Bact., Balt., 1937, 33: 46.—**Rocha Vaz, S.** Syndromes articulaires infectieuses. Hora med., Rio, 1939, 3: No. 9, 7-12.—**Schlesinger, H.** Gonorrhoe und Lues als Ursache von Gelenkerkrankungen. Zschr. wiss. Bäderk., 1928-29, 3: 646-9.—**Schmidt, W.** Intravenöse Anwendung von Atophanpräparaten bei Gelenkerkrankungen, speziell bei der Rotlaufarthritiden von Serumtieren. Arch. wiss. prakt. Tierh., 1924, 50: 237-44.—**Speed, K.** Two instances of small joint infection in adults. Surg. Clin. N. America, 1930, 10: 225-32.—**Strasser, A.** Die kleine Chirurgie der Infektarthritis und das Patellardrucksymptom. Schweiz. med. Wschr., 1941, 71: 90-5.—**Tixier, L.** Maladie graves, d'allures septiciémiqes avec localisations articulaires prédominantes, guéries par les injections intraveineuses de jaune d'acridine. Arch. méd. enf., 1932, 35: 569-78.—**Wilensky, A. O.** The mechanism of acute bacterial infection of a joint. Arch. Surg., 1926, 13: 895-912.

Inflammation.

See **Arthritis**.

Injury.

See also subheadings (Fracture; Hemarthrosis; Regeneration; Sprain)

CALO, A. Ferite articolari di guerra. 323p. 4° Roma, 1919.

GIORDANO, A. Le lesioni articolari da trauma di guerra, e le anchilosi consecutive dal punto di vista della cura. 70p. 8° Capua, 1917.

JÖRN, C. *Ueber Erschütterungsschäden der Gelenke. 27p. 8° Bonn, 1935.

ROUVILLOIS, H., & MAISONNET, J. Lésions traumatiques des articulations; généralités et membre supérieur. 720p. 8° Par., 1935.

Bellerose, A., & Bergeron, L. Arthrose poly-micro-traumatique. Union méd. Canada, 1937, 66: 681.—**Bernstein, M. A., & Fisher, H. E.** Traumatic arthritis. Surg. Clin. N. America, 1937, 17: 363-72.—**Borsotti, P. C.** Sull'importanza di stimolazioni pregresse nella reazione articolare al traumatismo. Arch. ital. chir., 1938, 50: 559-69.—**Breemen, J. Van.** Rhumatisme et traumatisme. Rev. rhumat., Par., 1937, 4: 92-102.—**Brezhnev, V. S.** [Roentgendagnosis of post-traumatic arthritic joint disease] Ortop. travmat., 1934, 8: 20-9, 14 pl.—**Brumbaugh, H. L.** Calcifying tendinitis traumatica; diagnosis and treatment of post-traumatic changes in and about joints. Am. J. Surg., 1940, 48: 681-4.—**Buxton, J. D.** Some observations on injuries to joints. Proc. R. Soc. M., Lond., 1933, 27: sec. orth., 47-58.—**Campbell, W. C.** Differential diagnosis of traumatic arthritis. J. Lab. Clin. M., 1936-37, 22: 30-4.

—**Injuries and internal derangements of joints, traumatic arthritis.** In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 8: 240-57.—**Desfosses, P.** Traumatismes articulaires et néoformations osseuses. Presse méd., 1923, 31: annexe, 138.—**Dorsey, F. B.** The true pathology of some of the seemingly insignificant injuries of the shoulder and knee joints, and their management. Internat. J. M., & S., 1931, 44: 65.—**Felsenreich, F.** Die Klinik der posttraumatischen Arthritis und verwandter Zustände. Wien. med. Wschr., 1937, 87: 1140; 1163.—

Fisher, A. G. T. Experimental production of acute and chronic arthritis and articular neoplasia by radium. *Brit. M. J.*, 1927, 1: 319-21, pl.—**Flood, J. C.** The diagnosis of joint injuries. *Ibid.*, 1940, 1: 689.—**Gamgee, L.** Sprains and joint injuries. *Birmingham M. Rev.*, 1929, 4: 5-15.—**Ghormley, R. K.** Posttraumatic painful atrophy of joints. *Collect. Papers Mayo Clin.*, 1938, 30: 733-8. Also *Arch. Phys. Ther.*, 1939, 20: 725-31.—**Giorgi, C.** La valutazione del danno nei postumi di lesioni traumatiche degli arti trattati chirurgicamente. *Gior. venet. sc. med.*, 1939, 13: 852-9.—**Girdlestone, G. R.** Joints, injuries and internal derangements. In *Brit. Encycl. M. Pract.* (Rollestone, H.), Lond., 1938, 7: 321-9.—**Heiss, F.** Verhütung von Gelenkschäden beim Sport. *Deut. med. Wschr.*, 1935, 61: 421-4. — Gelenkschädigungen bei Sportsleuten und ihre Verhütung. *Umschau*, 1936, 40: 641-5.—**Irwin, C. G.** Wounds of the joints of the upper extremity. In *Surg. Mod. Warfare* (Bailey, H.) 2. ed., Balt., 1942, 2: 678-89.—**Johnson, R. W.** Injuries to joints and bursae. In *Pract. Libr. M. & S.* (Appleton) N. Y., 1934, 5: 513-28.—**Jones, H. W.** Primary nerve lesions in injuries of the elbow and wrist. *J. Bone Surg.*, 1930, 12: 121-40.—**Jorns, G.** Rheumatische Gelenkerkrankung und Unfallzusammenhang. *Med. Klin.*, Berl., 1940, 36: 865.—**Key, J. A.** Traumatic arthritis and the mechanical factors in hypertrophic arthritis. *J. Lab. Clin. M.*, 1929-30, 15: 1143-60.—**Kling, D. H.** Arthritis and injuries to joints. *Arch. Surg.*, 1936, 33: 213-24.—**Königswieser.** Ueber chronische Gelenkveränderungen nach chronischen Traumen. *Verh. Deut. orthop. Ges.* (1927), 22: Kongr., 158-68.—**Little, N.** Sudeck's atrophy. *Med. J. Australia*, 1939, 1: 263-5, pl.—**Lozzi, V.** Traumi delle articolazioni. In *Man. chir.* (Alessandri, R.) Roma, 1934, 1: 733-46. — Essiti di alcuni traumi articolari. *Ibid.*, 787-90.—**Middleton, D. S.** and **Bruce, J.** Post-traumatic osteodystrophy at joints. *T. Med. Chir. Soc. Edinburgh*, 1934, sess. 113: 49-72.—**Molinéry, L.** La maladie du Prince Impérial (1866-1867); arthrite traumatique; traitement à Luchon et guérison. *Rev. rhumat.*, Par., 1935, 2: 743.—**Morrin, F. J.** Wrist and ankle injuries. *Irish J. M. Sc.*, 1939, 6 ser., No. 165, 656-9, 9 pl.—**Morrow, J.** Traumatic arthritis. *Minnesota M.*, 1937, 20: 153-6.—**Paire, F.** Plaies articulaires. In *Traité chir. orthop.* (Ombredanne) Par., 1937, 1: 590-605.—**Pemberton, R.** Trauma and chronic diseases of the joints. In *Trauma & Dis.* (Brahdy, L., & Kahn, S.) 2. ed., Phila., 1941, 399-428.—**Petrignani, R.** A propos du syndrome de Pellegrini-Stieda; considérations biologiques et thérapeutiques sur les traumatismes formés périarticulaires. *J. méd. Bordeaux*, 1932, 19: 15-7.—**Potter, C. F.** Roentgenologic considerations of certain joint injuries. *Am. J. Surg.*, 1938, 42: 785-90.—**Richard, G. A.** Les lésions articulaires dans le sport. *Rapp. Congr. internat. méd. (educ. phys.)*, 1937, 3. Congr., 295-303.—**Rouville, H.** & **Maisonneuve, J.** Lésions traumatiques de l'articulation tarso-métatarsienne et des articulations des orteils. In *Nouv. traité chir.* (Le Dentu & Delbet) Par., 1936, 9 bis: 422-65.—**Samuel, E.** Some minor injuries of bones and joints. *Brit. J. Radiol.*, 1942, 15: 77-84.—**Seedorf, J.** [Injuries of the joints in war surgery] *Militärärz.*, 1939, 45: 156-62.—**Smith, G. K.** Traumatic arthritis. *Australas. Nurs.*, 1941, 39: 99-101.—**Tempsky, A. von.** Gelenkschädigung durch Erfrierung. *Zbl. Chir.*, 1931, 58: 339-43.—**Thomas, R. H.** Traumatic lesions of joints; strains, sprains, dislocations. *Bull. Acad. M. Toronto*, 1936, 9: 158-69.—**Tucker, W. E.** Minor injuries to muscles and joints. *Practitioner*, Lond., 1936, 136: 415-21.—**Ugalde, V.** Continuación del trabajo sobre el estudio de la traumatología de las articulaciones. *Monterrey méd.*, 1940, No. 52, 1292-6.—**Wachsenheimer, R.** Gelenk- und andere Verletzungen mit Bluterguss und ihre Behandlung. *Med. Welt*, 1930, 4: 1364.—**Weil, P.** Traumatisme, microtraumatisme et rhumatisme. *Rev. rhumat.*, Par., 1936, 3: 780-7.—**Weissenbach, R. J.** & **Francon, F.** Rhumatismes chroniques et traumatismes. *Ibid.*, 641-68.—**Woods, R. S.** Fractures, dislocations and sprains at the wrist and ankle. *Practitioner*, Lond., 1939, 142: 278-98.

— Injury: Contusion.

BERNARD, E. M. *Traitement des séquelles des contusions articulaires (et des entorses banales) 179p. 8° Par., 1933.

LACOUR, J. R. *Contribution au traitement des contusions articulaires et de leurs séquelles par la méthode des infiltrations à la novocaïne [Paris] 47p. 24cm. Limoges, 1939.

GOLD, E. Behandlung von Kontusionen und Distorsionen der Gelenke. *Wien. klin. Wschr.*, 1928, 41: 1501.—**Sereghy, E.** [Treatment of articular contusions and sprains] *Orv. hetil.*, 1938, 82: 195-7. Also *Zbl. Chir.*, 1939, 66: 1446-52.

— Injury, gunshot.

Faldini, G. Infiltrazione metallica in artriti da ferita d'arma da fuoco. *Bull. sc. med.*, Bologna, 1927, 10. ser., 5: 196-200.—**Guleke, N.** Ueber die gelenknahen Schussbrüche der Röhrenknochen. *Deut. Militärärz.*, 1940, 5: 257-62. Also *Rev. san. mil.*, B. Air., 1942, 41: 310-7.—**Kreuter.** Ueber Gelenkschüsse. *Zschr. ärztl. Fortbild.*, 1940, 37: 17.—**Rudaev, V. A.** [Gunshot wounds of the large joints of the extremities] *Vrach. delo*, 1941, 23: 413-6.

— Injury, open and penetrating.

MATTOS, F. J. DE. *Feridas penetrantes das articulações; seu diagnostico, et tratamento. 18p. 8° Bahia, 1865.

SCHIKOROWSKI, I. *Die Behandlung offener Gelenkverletzungen und ihre Erfolge an der Kieler Chirurgischen Klinik aus den Jahren 1921-31 [Kiel] 52p. 8° Bochum-Langendreer, 1934.

STAFFELDT, K. H. *Die Behandlung penetrierender Gelenkverletzungen an der Greifswalder Chirurgischen Klinik. 29p. 8° Greifsw., 1936.

Andreev, P. P. [Preliminary dressing and treatment of penetrating wounds of the joints] *Sov. vet.*, 1910, 17: No. 11, 58-64.—**Basset, A.** A propos du traitement d'urgence des plaies pénétrantes des articulations. *Presse méd.*, 1939, 47: 1493.—**Bickford, B. J.** Local sulphanilamide for penetrating wounds of joints. *Brit. M. J.*, 1941, 1: 627.—**Callejas, A.** Heridas articulares [Case] *Juven. méd. Guatemala*, 1927, 23: 311-3.—**Campbell, W. A.** Whey treatment in open joint. *Vet. J. Lond.*, 1936, 92: 303; 1937, 31: 74-6.—**Cope, V. Z.** Wounds of joints. *Brit. M. J.*, 1942, 1: 648-50. Also *Rev. san. mil.*, B. Air., 1943, 42: 21-8.—**Delannoy, E.** Les plaies des articulations. *J. prat., Par.*, 1940, 54: Suppl., 383-5.—**Delorme.** Du traitement des plaies articulaires. *J. méd. vét.*, Lyon, 1855, 11: 97-112.—**Dieterichs, M. M.** [On wounds of the joints] *Vest. khir.*, 1939, 57: 537-70.—**Freudenberg.** Die Prognose und Therapie der Gelenkwunden beim Pferde mit besonderer Berücksichtigung der Rivanollösung. *Zschr. Veterinärk.*, 1934, 46: 340; 353.—**Gianturco, G.** Contributo alla sutura primitiva delle ferite articolari. *Rass. internaz. clin. ter.*, 1929, 10: 1114-30.—**Gómez, V.** Consideraciones sobre heridas articulares de guerra. *Rev. san. mil.*, La Paz, 1939, 4: 709-51.—**Guibal, A.** & **Marchand, L.** Sur la contention de la flexion forcée dans certaines solutions de continuité du coude et du genou. *Arch. Soc. sc. méd. biol. Montpellier*, 1928, 9: 387-90.—**Gunning, O. V.** Open joint in the horse, with special reference to its treatment with lacto-serum. *Vet. Rec.*, Lond., 1933, 13: 1098.—**Hansen, J.** Die offenen Verletzungen der grossen Gelenke. *Deut. Zschr. Chir.*, 1932, 235: 468-83.—**Herfarth, H.** Ueber die Behandlung penetrierender Verletzungen grosser Gelenke mit Unguentolan. *Zbl. Chir.*, 1935, 62: 2570.—**Jenckel, A.** Zur Behandlung offener Gelenkverletzungen. *Chirurg*, 1933, 5: 121-3.—**Klapp.** Tratamiento das lesões articulares abertas. *Med. germ.*, Rio, 1941-42, 10: 517.—**Kochlin.** Les plaies articulaires de guerre. *Vjschr. schweiz. Sanitätsf.*, 1911, 18: 37-9.—**Kortzeborn, A.** Die Behandlung der offenen Gelenkverletzungen durch den praktischen Arzt. *Zschr. ärztl. Fortbild.*, 1933, 30: 640-2.—**Leriche.** Lecture on fresh articular wounds. In *Med. Dep. U. S. Army in the World War*, Wash., 1927, 7: 839-42.—**Lupandin, N. V.** [Open injuries of the large joints of the lower extremities] *Orthop. travnat.*, 1939, 13: No. 2, 22-4.—**Marquis, E.** Sur la suture primitive des plaies articulaires. *Mém. Acad. chir.*, Par., 1939, 65: 487-90.—**Mirovortsev, S. R.** [Open injuries of the joints of the lower extremities] *Sov. med.*, 1939, No. 6, 11-6.—**Mitchiner, P. H.** Penetrating wounds of joints. *S. Thomas Hosp. Gaz.*, Lond., 1939, 37: 182-6. Also *Brit. M. J.*, 1940, 1: 101-3. Also in *Treatm. Gen. Pract.*, 1940, 4: 442-9.—**Olivier.** Traitement d'une plaie articulaire du jarret droit sur une mule par l'emploi du sublimé corrosif. *J. méd. vét.*, Lyon, 1851, 7: 366-70.—**Plaies (Des)** pénétrantes des articulations. *J. méd. Toulouse*, 1866, 4. sér., 5: 1: 33.—**Plisson, L.** Les principes généraux du traitement des lésions articulaires ouvertes d'origine traumatique. *Progr. méd.*, Par., 1927, 41: 1352-5. Also *Med. Press & Circ.*, Lond., 1928, n. ser., 126: 51-3.—**Poate, H. R. G.** Perforating injuries of joints. *Med. J. Australia*, 1939, 1: 339-42.—**Pontrandolfi, P.** Sul trattamento di urgenza delle ferite di guerra degli arti. *Policlinico*, 1940, 47: sez. prat., 803-9.—**Pool, E. H.** Wounds of joints. In *Med. Dep. U. S. Army in the World War*, Wash., 1927, 11: pt 1, 317-41.—**Rey.** Des plaies articulaires. *J. méd. vét.*, Lyon, 1854, 10: 241; 289; 348; 427; 497; 547.—**Rodríguez, R.** & **Sackmann Sala, A.** La sulfamidoterapia local en las heridas articulares. *Prensa méd. argent.*, 1943, 30: 473-5.—**Saegesser, M.** Die Behandlung der offenen Gelenkwunde und der Gelenkeiterung. *Med. Klin.*, Berl., 1911, 37: 298.—**Schöne, G.** [Prophylactic surgical therapy of (joint) wounds at the front] *Bull. War M.*, Lond., 1942-43, 3: 387 (Abstr.)—**Surgical procedures in military hospitals in Britain; treatment of wounds of joints.** *Med. J. Australia*, 1940, 2: 483.—**Sweetapple, H. A.** The treatment of some late results of perforating injuries of joints. *Med. J. Australia*, 1939, 1: 342-5.—**Tschmarke, G.** Zur Behandlung der offenen Verletzungen kleiner Gelenke. *Chirurg*, 1937, 9: 170-4.

— Injury: Treatment.

CURRY DA CAMARA CABRAL, J. *As feridas articulares e a cirurgia conservadora. 93p. 8° Lish., 1869.

PLOGMEIER, F. *Ueber die Anwendung von Einspritzungen bei Verletzungen und Erkrank-

kungen der Gelenke [München] 17p. 21cm. Werne a. d. Lippe, 1936.

Rocca, J. *Etude critique de la valeur des infiltrations anesthésiques dans le traitement des traumatismes articulaires sans fracture. 63p. 25cm. Marseille, 1935.

St CLAIR, F. P. Manipulative treatment of athletic injuries to joints. 88p. 23½cm. [Hollywood, 1941]

Tsoutsos, A. *Contribution à l'étude de la suture primitive précoce des plaies articulaires. 56p. 8° Par., 1934.

Anderson, W. S. The treatment of injured joints. J. Tennessee M. Ass., 1926-27, 19: 136-8.—Arnulf, G., & Frich, P. Traitement immédiat des traumatismes articulaires sans fracture par les injections intraligamentaires de novocaïne. Presse méd., 1934, 42: 597-9.—Aureggio, E. Mémoire sur le traitement des lésions traumatiques des synoviales articulaires et tendineuses et des plaies, en général par l'emploi de la glycérine. Mém. Soc. centr. méd. vét., Par., 1879, No. 4, 1-43.—Bobbio, L. Cura generale delle lesioni articolari traumatiche. Gior. med. mil., 1935, 83: 305-10.—Brentano. Gelenkschüsse. In Beitr. Kriegsheilk. Deut. Ver. Rot. Kreuz, Lpz., 1908, 105-10.—Cardi, G. Sul valore terapeutico delle infiltrazioni periarticolari di novocaína, col metodo di Lériché, nelle distorsioni e nelle artriti traumatiche. Policlinico, 1936, 43: sez. prat., 1442-5.—Catterina, A. Gelenkresektionen bei Schussverletzungen. Arch. klin. Chir., 1936, 186: 528-36.—Chuche, C. Traitement physiothérapique des lésions articulaires chez les sportifs. C. rend. Congr. internat. méd. éduc. phys. (1934) 1936, 2 Congr., 220-2.—Denslow, J. S. Strictly manipulative; a discussion of joint lesions which frequently complicate the treatment of fractures. J. Osteopathy, 1939, 66: No. 9, 19-22.—Didié, J. La part de la roentgenthérapie dans le traitement des affections articulaires traumatiques. Paris méd., 1937, 103: 119-25.—Dowden, J. W. The principle of active movement in relation to injury and disease. Tr. Med. Chir. Soc. Edinburgh, 1923-24, sers. 103, 217-22, 2 pl.—Faldini, G. Ancora sull'infiltrazione metallica delle sinoviali nelle ferite d'arma da fuoco endo-articolari. Riv. radiol., 1930, 2: Suppl., 11-6.—Fragon, F., Levaxelaire, R., & Robert P. La cure thermique d'Aix-les-Bains dans les séquelles de traumatismes. Rev. rhumat., Par., 1937, 4: 720-3.—Frankau, C. The principles of treatment in gunshot wounds of joints. Brit. M. J., 1939, 2: 27.—Franz, C. Die Schussverletzungen der Gelenke. Münch. med. Wschr., 1940, 87: 189 (Abstr.).—Friedland, M. O. [Gunshot wounds of the joints and their treatment] Sovet. med., 1942, 6: No. 10, 3-5.—Frund. Zur Behandlung infizierter Gelenkschüsse. Bull. War M., Lond., 1942-43, 3: 438-40 (Abstr.).—Gebhardt, K., & Büsssem, W. Klinische und röntgenologische Beobachtungen von Gelenkveränderungen während der Nachbehandlung nach Knochen- und Gelenkverletzungen. Deut. Zschr. Chir., 1930, 223: 172-8.—Glass, E. Praktischer Ratschlag zur Verbandstechnik von kleineren Wunden an den Gelenken. Zbl. Chir., 1931, 58: 80-2.—Griffiths, H. E. Rehabilitation of joint injuries. Med. Press & Circ., Lond., 1943, 209: 166-8.—Hickson, S. Gunshot wounds of joints. Rep. Surg. Cases S. Afr. War (Stevens, W. F.) Lond., 1905, 197-218, 6 pl.—Hundemer, W. Erfahrungen über Gelenkschüsse. Bull. War M., Lond., 1942-43, 3: 268-70 (Abstr.).—Johnson, H. F. Reconstruction procedures in traumatic lesions of bone and joint where conservative methods fail. Nebraska M. J., 1932, 17: 234-7.—Kazakov, M. M. [Treatment of gun-shot wounds of the joints] Ortop. travmat., 1940, 14: No. 5, 40-8.—Knoll, C. Plaie articulaire pénétrante du boulet, synovite et arthrite consécutives; emploi du sublimé corrosif; guérison. J. méd. vét., Lyon, 1858, 14: 63-8.—Krabbel, M. Die Behandlung der Gelenkverletzungen im Kriege. Med. Klin., Berl., 1940, 36: 649; passim.—Lewin, P. The immediate treatment of joint injuries. Surg. J., 1927-29, 34: 290-3.—Litchfield, J. W. First aid in injuries to joints. Nurs. Times, Lond., 1939, 35: 260-2.—Magnus, G. Ueber Gelenkschüsse. Münch. med. Wschr., 1939, 86: 1549.—Mangione, G., & Bugliari, R. G. Sul trattamento con infiltrazione novocaínica dei traumatismi articolari. Minerva med., Tor., 1934, 25: pt 2, 885-92.—Maragliano, V. La marconiterapia nelle artropatie traumatiche. Arch. ital. chir., 1938, 52: 785-8.—Marks, V. O. [Gun-shot injuries of the joints] Ortop. travmat., 1940, 14: 21-9.—Mock, H. E. Some principles of treatment of injuries to joints. Internat. J. Surg., 1927, 40: 349; 409.—Moeris, J. Traitement électrique des traumatismes articulaires. Ann. Traitement élect. phys., Anvers, 1931, 24: 8-10.—Muzzarelli, G. L'anestesia locale nel trattamento dei traumi articolari. Ann. ital. chir., 1938, 17: 881-94.—Northway, W. H. Injuries to joints. Chir., 1938, 17: 881-94.—Northway, W. H. Injuries to joints. Arch. Phys. Ther., 1942, 23: 467-73.—Robert. Encore une preuve de l'efficacité de l'onguent égyptiac dans le traitement des plaies articulaires. J. méd. vét., Lyon, 1860, 16: 358-62.—Roviralta, E. Prophylactic treatment of the free callus in articular trauma of children. J. Bone Surg., 1931, 13: 697-700.—Schöne, G. Vorbeugende operative Wundbehandlung an der Front. Med. Klin., Berl., 1940, 36: 703-5.—Serra, A. Su di quanto si può guadagnare in validità con mezzi chirurgici nelle lesioni articolari. Rass. previd. sociale, 1927, 14: No. 8, 18-23.—Tunik, G. S. [Treatment of gun-shot wounds of the joints] Nov. khir. arkh., 1940, 47: 173-6.—Weber, A. J.

Value of physical therapy in the treatment of acute trauma to joints. Arch. Phys. Ther., 1927, 8: 246-51.—Wertheimer, P. L'infiltration anesthésique dans le traitement des traumatismes ostéoarticulaires récents. Rev. chir., Par., 1937, 75: 654-61.—Willems, C. The end-results of immediate active mobilization in the treatment of joint injuries. Practitioner, Lond., 1927, 118: 48-54. — Documents d'un enquête sur les résultats éloignés de la mobilisation active immédiate dans le traitement des lésions articulaires. J. chir., Par., 1928, 31: 1-27.

Intraarticular pressure.

HILLEBRAND, E. *Ueber Gelenkbinnendruckmessungen an menschlichen Leichengelenken. 15p. 8° Würzb., 1936.

HIMMELSEHER, K. *Ueber Messungen des Gelenkbinnendruckes am lebenden Tier. 16p. 21cm. Würzb., 1936.

Müller, W. Ueber den negativen Luftdruck im Gelenkraum. Dent. Zschr. Chir., 1929, 218: 395-401.—Vara López, R. Sobre la presión negativa de las articulaciones. Med. ibera, 1930, 26: pt 1, 69-71.

Laxity.

See also Dermatitis, hyperelastic: Ehler-Danlos type.

Auroousseau, L. Articulations ballantes congénitales; clonisme congénital. In Traité chir. orthop. (Ombredanne) Par., 1937, 1: 550-4.—Bennett, G. E. The use of fascia for the reinforcement of relaxed joints. Arch. Surg., 1926, 13: 655-66.—Costello, J. A. Injection treatment of hypermobile joints. Clin. Osteopath., 1940, 36: 261-6.—Cozzolino, O. Articolazioni anormalmente mobili in un lattante senza mongolismo e quale stigmata familiare. Lattante, 1932, 3: 32-5.—Czabanowna, W., & Handzel, J. [Case of congenital multiple flaccidity of joints in a child of 21 months (Roche's disease)] Warsz. czas. lek., 1937, 14: 153.—Heiss, F. Straffung von Gelenkkapsel und Sehnenewebe durch Eigenblut-Clauden-Injektion. Münch. med. Wschr., 1939, 86: 9.—Key, J. A. Hypermobility of joints as a sex linked hereditary characteristic. J. Am. M. Ass., 1927, 88: 1710-2.—Kohl, R. D. Blood injections in hypermobile joints. Clin. Osteopath., 1940, 36: 267-9.—Nikiforova, E. K. [Treatment of loose joints] Nov. khir. arkh., 1936, 35: 501-17.—Rocher, H. L. Une nouvelle dysmorphose articulaire congénitale: laxités articulaires congénitales multiples. In Livre jubilé (Hartmann, H.) Par., 1932, 553-63.—Saxl, A. Das lockere Gelenk. Wien. klin. Wschr., 1932, 45: 677-81. Also Aerzt. Prax., Wien, 1933, 7: 205-9. Also Mitt. Volksgesundh., Wien, 1933, Aerzt. Prax., 205-9.—Schachter, M. Etude clinique sur les hyperlaxités articulaires de type familial et congénital. Arch. pédiat. Uruguay, 1935, 6: 457-61.—Schultz, L. W. A new method of stabilizing weak joints. Illinois M. J., 1937, 72: 350.—Trèves, A. Laxité articulaire anormale. Bull. Soc. pédiat. Paris, 1937, 35: 379.—Valdoni, P. Articolazione ballante o ciondolante. In Man. chir. (Alessandri, R.) Roma, 1934, 1: 601-48.—Valentin, B. Die multiple angeborene Gelenkschlaffheit. In Morph. Missbild. (Schwalbe, E.) Jena, 1937, 3. T., 1. Abt., 497-501.

Ligaments.

Le Roy des Barres. Trois cas d'ostéomes métatraumatiques des ligaments articulaires. Bull. Soc. nat. chir., Par., 1932, 58: 282-91.—Rouvière, H., & Cordier, G. De la résistance des ligaments des grandes articulations des membres. Ann. anat. path., Par., 1938, 15: 948-50.—Spirt, J. U. [Diseases of articular ligaments] Odess. med. J., 1929, 4: 553-8.

Lipomatosis and xanthomatosis.

Baroni, B. Ricerche isto-chimiche su un caso di lipomatosi arborescente articolare sistemica. Tumori, Milano, 1928, 14: 478-99.—Bennet, K., & Hinrichson, H. [Case of intraarticular xanthomatous giant-cell sarcoma] Tskr. mil. hälsöv., 1935, 60: 89-92.—De Santo, D. A., & Wilson, P. D. Xanthomatous tumors of joints. J. Bone Surg., 1939, 21: 531-58, tab.—Ghormley, R. K. Lipoma of the capsule of the joint removed successfully: presentation of three cases. Minnesota M., 1934, 17: 62.—Matthaeus, G. Ueber intraartikuläre Xanthome. Zbl. Chir., 1939, 66: 1051-4.—Metzler, F. Ueber einen Fall von Gelenkslipom. Deut. Zschr. Chir., 1926, 196: 326-9.—Roci, G. Lipomatosi e pseudolipomatosi articolare. Patologia, Genova, 1934, 26: 38-47.—Willeneger. Ueber intraartikuläre Xanthome. Med. Klin., Berl., 1940, 36: 846 (Abstr.).

Loose body.

See also subheading Chondromatosis; also Osteoarthritis; Osteochondritis dissecans.

BIENERT [W.] F. *Freie Gelenkkörper und Unfall. 44p. 8° Lpz., 1933.

GARDEFF, G. P. *Ueber Gelenkmäuse. 40p. 8° Münch., 1929.

GOCKEL, K. *Die Entstehung der Gelenkörper und ihre Wachstum unter besonderer Berücksichtigung der Chondromatose [Münster] 35p. 8°. Quakenbrück, 1934.

HAHN, L. *Ueber die Entstehung der Gelenkörper bei Arthritis deformans. 33p. 8°. Lpz., 1919.

Also Deut. Zschr. Chir., 1919, 149: 289-321.

REICHART, H. W. *Zur Differential-Diagnose der Gelenkmauskrankheit und der Gelenkapselchondromatose. 23p. 22½cm. Berl., 1938.

TÖFFER, H. *Die Gelenkmauserkrankungen mit besonderer Berücksichtigung ihrer Ursache, aus den Jahren 1921 bis 1936 der chirurgischen Universitätsklinik Würzburg [Würzburg] 27p. 22½cm. Eisfeld, 1938.

Bartoli, O. Genesi dei corpi mobili articolari di origine sinoviale. Chir. org. movim., 1929, 14: 494-606. — Sui corpi mobili articolari di origine sinoviale. Arch. Soc. ital. chir., 1930, 36: 973. — Bastos, M. Ein Beitrag zur Pathogenese der Gelenkmäuse. Verh. Deut. orthop. Ges. (1928) 1929, 23. Kongr., 298-313. — González Aguilar, J. Nueva contribución a la patogenia de los cuerpos libres articulares. Arch. med. Madr., 1929, 30: 343-7. — Brandt, G., & Klages, F. Untersuchungen über die histologischen Veränderungen bei den Epiphyse nekrosen; eine eigenartige Form der freien Gelenkkörperbildung bei Perthescher Krankheit. Arch. klin. Chir., 1931, 166: 474-99. — Chaudhuri, U. N. R. Loose bodies in joints. Calcutta M. J., 1927-28, 22: 396, 2 pl. — Cole, W. H. Free joint bodies; report of 2 unusual cases. Minnesota M., 1931, 14: 354. — Concrezioni cartilaginee nelle articolazioni. Gior. progr. pat., Venez., 1841, 15: 86. — Curtis, G. M. Osteocartilaginous loose body arising from an articular surface. Surg. Clin. N. America, 1929, 9: 415-20. — Osteocartilaginous loose body arising as an osteophyte in chronic osteoarthritis. Ibid., 420-4. — Ferbert. Demonstration zur Chondromatose und Mausebildung der Gelenke. Verh. Deut. orthop. Ges. (1931) 1932, 26. Kongr., 141-6. — Finácy, E. [Mus articulares] Orvosképzés, 1935, 25: dec. külf. (T. Verébely Festschr.), 292-301, pl. — Fischer, M. Beitrag zur Kenntnis vom Wachstum freier Gelenkkörper. Virchows Arch., 1928, 269: 239-53. — Franceschini, P., & Magliulo, A. Sopra la struttura e l'aerescimento dei corpi articolari liberi (a proposito di un caso di corpo mobile articolare da causa traumatica) Ann. ital. chir., 1930, 9: 892-920.

— Su alcune particolarità di struttura rilevate in un corpo mobile articolare. Monit. zool. ital., 1931, 42: Suppl. 221-4. — Gioia, T., & Bianchi, A. E. Contribución al estudio de la genesis de los cuerpos móviles intraarticulares. Congr. argent. cir., 1930, 594-611. — Also Sem. méd., B. Air., 1930, 37: pt 2, 940-7. — Häbler, C. Freie Körper in Gelenken und Unfall. Mschr. Unfallh., 1933, 40: 446-53. — Hamant, A., & Bodard, A. De l'origine vaso-motrice possible de certains corps étrangers articulaires. Rev. méd. est, 1930, 58: 37-48. — Mills, G. P. Loose bodies in joints. Birmingham M. Rev., 1926, n. ser., 1: 362-5. — Also Clin. J., Lond., 1927, 56: 241-3. — Pfab, B. Ueber freie Gelenkkörper. Arch. orthop. Unfallchir., 1934-35, 35: 618-39. — Platt, H. Loose bodies in joints. Brit. M. J., 1927, 1: 947-50. — Prüssner, L. Ueber die Gestaltungsvorgänge an den freien Gelenkkörpern. Veröff. Heer. San., 1938, II. 105. 249-57. — Schubert, M. Zum strukturellen Aufbau der freien Gelenkkörper. Beitr. klin. Chir., 1932, 155: 553-70. — Schum, H. Klinische Beiträge zur Kenntnis der freien Gelenkkörper. Ibid., 1927, 141: 111-70. — Klinische Beobachtungen über freie Gelenkkörper. Med. Klin., Berl., 1927, 23: 357-9. — Seeliger. Ein Beitrag zur pathologischen Physiologie der Gelenke unter Berücksichtigung der Gelenkmausbildung. Arch. klin. Chir., 1926, 142: 606-9. — Segovia, J. Contribución a la histopatología y patogenia de los cuerpos libres articulares. Arch. med., Madr., 1925, 19: 289-314. — Shkurov, B. I. [On the growth and resorption of intra-articular bodies] Ortop. travmat., 1941, 15: 75-9. — Sultan, G. Zur Aetiologie der freien Gelenkkörper. Zbl. Chir., 1930, 57: 1049-52. — Tammann, H. Ueber den Bau der freien Gelenkkörper (Schnitt-Röntgen-Analyse) Beitr. klin. Chir., 1935, 162: 434-40. — Williams, W. L. Loose bodies in joint cavities. Cornell Vet., 1940, 30: 541.

— Lubrication.

Jones, E. S. Joint lubrication. Lancet, Lond., 1934, 1: 1426; 1936, 1: 1043. — Riemke, V. [Intra-articular vaseline injections] Hospitalstidende, 1930, 73: 57-63.

— Lymphatics.

Kuhs, J. G. Lymphatic drainage of joints. Arch. Surg., 1933, 27: 345-91. — Smith, M., & Campbell, J. R., jr. Observations on the lymphatic drainage of joint cavities. Proc. Soc. Exp. Biol. N. Y., 1928-29, 26: 395-7. — Starkow, A. W. Beiträge zur Kenntnis der Lymphgefäße der Gelenksynovialmembranen. Latv. Univ. rak., 1929, 1: 1-14, 8 pl.

— Manipulation and massage.

See also subheading Ankylosis; Treatment; also Exercise; Gymnastics; Osteopathy.

Canter, B. M. Manipulation of joints. Internat. J. M. & S., 1933, 46: 363-72. — Coulter, J. S. Manipulation; limited motion in joints. In Cyclop. Med. (Piersol-Bortz) Phila., 1939, 9: 641-4. — Denslow, J. S. Strictly manipulative; a case report which reveals the need for carefully planned therapeutics in joint reconstruction. J. Osteopathy, 1939, 66: No. 3, 19-21. — Forrester-Brown, M. The place of forcible manipulation in the treatment of joints. Brit. J. Phys. M., 1941, 4: 53-8. — Fredette, J. W. Manipulative surgery. Arch. Phys. Ther., 1943, 24: 93-9. — Heyman, C. H. Manipulation of joints. J. Bone Surg., 1930, 12: 23-32. — Kohlrausch, W. Die Behandlung der rheumatischen Erkrankungen; Massage und Gymnastik bei Gelenkerkrankungen. Fortsch. Ther., 1929, 5: 720-6. — Liniger. Ueber Massage bei Gelenkerkrankungen. Rapp. Congr. internat. physiothér., 1905, 1. Congr., No. 9, 1-9. — Massart, R. La mobilisation des articulations douloureuses et l'art du rebouteux. Rev. rhumat., Par., 1938, 5: 295-303. — Mennell, J. Joint manipulation (upper extremity). Proc. R. Soc. M., Lond., 1933, 26: Phys. Med., 881-8, 11 pl. — Müller, A. Die Massage bei Gelenkerkrankungen. Verh. Deut. orthop. Ges. (1927) 1928, 22. Kongr., 211-4. Also Zschr. ges. phys. Ther., 1927-28, 31: 225-38. — Die Massagebehandlung der Gelenkverletzungen und -erkrankungen. Chirurg, 1936, 8: 55-60. — Perkins, G. Manipulation of difficult joints. Brit. M. J., 1938, 2: 1269. Also in Treat. Gen. Pract., Lond., 1940, 4: 203-9. — Sweetapple, H. A. Manipulation of joints. Australas. Nurs. J., 1937, 35: 188; 218. — Weisz, E. Bewegung und Heilgymnastik in der Gelenktherapie. Wien. med. Presse, 1905, 46: 880; 926. — Williams, I. H. L. On the manipulation of joints. J. R. Army M. Corps, 1940, 74: 86-91.

— Mechanism.

See also subheading Movement; also under names of individual joints.

MÜLLER, W. Biologie der Gelenke. 170p. 4°. Lpz., 1929.

Baeyer. Le mécanisme des mouvements articulaires en général. Liège méd., 1933, 26: 1142-7. Also Rev. gén. clin. thér., 1933, 47: Suppl., 2005-8. — Buttersack. Gelenkphysiologie, nicht Gelenkmeehanik. Münch. med. Wschr., 1941, 88: 72-74. — Fick, R. Uebersicht über die Fragen der Gelenk- und Muskelmechanik. Zschr. orthop. Chir., 1929, 51: 320-37. — Grammel, R. Theoretische Grundlagen der Gelenkmechanik. In Handb. biol. Arbeitsmeth. (Abderhalden) Berl., 1936, 5: pt 5 A, 245-346. — Kopits, I. [Mechanics of joints and muscles] Gyógyászat, 1934, 74: 209; 232. — Leun, W. Die Bedeutung der Gelenkachsen. Klin. Wschr., 1940, 19: 774. — Nicolas, E. Sur la conformation et les mouvements de l'articulation du pied du cheval. Bull. Soc. centr. méd. vét., Par., 1904, 58: 250-5. — Schrock, R. D. Fixation position for optimum joint function. Nebraska M. J., 1934, 19: 211-4. — Storck, H. Körperschwere und Gelenke. Arch. orthop. Unfallchir., 1930-31, 29: 1-25. — Walsley, T. The articular mechanism of the diarthroses. J. Bone Surg., 1928, 10: 40-5. — Wetzel, G. Eine Besonderheit des Kiefergelenkes und das statische Prinzip des Knochengerüsts. Anat. Anz., 1935-36, 81: 345-9.

— Meniscus.

See under Knee joint.

— Morphology and structure.

MARTIN, P. *Contribution à l'étude des articulations des membres chez l'embryon humain. 56p. 8°. Lausanne, 1929.

Bonin, G. von. Bemerkungen zur Einteilung der Gelenke. Anat. Anz., 1930-31, 71: 460-4. — Diterichs, M. M. [Form of the articulations in the human body] Ortop. travmat., 1931, 5: 25-34. — Dwight, T. The size of the articular surfaces of the long bones as characteristic of sex; an anthropological study. Am. J. Anat., 1904, 4: 12-31. — Hecker, P. Les sillons paraglenoïdes chez l'homme. Rev. anthropol., Par., 1926, 36: 58-62. — Martin, C. P. A comparison of the joints of the arm and leg and the significance of the structural differences between them. J. Anat., Lond., 1934, 68: 511-20. — Noposa, F. Ueber die Orientierung konvexo-konkaver Gelenkflächen. Anat. Anz., 1930, 70: 401-16.

— Movement.

See also such headings as Gait; Locomotion; Locomotor system, etc.

Ashhurst, A. P. C. The motions of the larger joints. Internat. Clin., 1926, 36, ser. 1: 74-91. — Baeyer. Il meccanismo dei movimenti articolari in generale. Arch. ital. chir., 1933, 35: 852-5. — Delitala & Scherb. Le mécanisme des mouvements articulaires en général. Marseille méd., 1933, 70: 354-7. — Belou, P. Consideraciones al analizar la comunicación por el prof. Dr Juan José Cirio, titulada: sobre la

necesidad de unificar criterio respecto de los movimientos de oposición, flexión y extensión. Arch. Inst. Benjamin Baptista. Rio, 1939, 5: 41-57.—**Brunstrom, S.** Some observations of muscle function; with special reference to plurarticular muscles. Physiol. Rev., 1942, 22: 67-75.—**Danckelman, A. von.** Untersuchungen über die Abhängigkeit des Bewegungsablaufes in gesunden und kranken Gelenken von der mechanischen Eigenschaften der Kapsel. Deut. Zschr. Chir., 1936-37, 248: 723-61.—**De Garis, C. F.** Movable joints and joint movements. J. Internat. Coll. Surgeons, 1942, 5: 380-9.—**Glanville, A. D., & Kreezer, G.** The maximum amplitude and velocity of joint movements in normal male human adults. Human Biol., 1937, 9: 197-211.—**Grigorovich, M. N.** [Mobility of the joints as constitutional symptom] J. eksp. biol., 1929, 11: 27-35.—**Hayek, H. von.** Das Verhalten der Arterien bei Beugung der Gelenke. Zschr. Anat. Entw., 1935-36, 105: 25-36.—**Herzog, C.** Grenzwerte, Maximal- und Minimalwerte, bei Alltags- und Berufsbewegungen menschlicher Gliedmassen und ihre Bedeutung für die Praxis. Arch. klin. Chir., 1940, 200: 137-4. Also Münch. med. Wschr., 1940, 87: 794.—**Sinelnikov, E., & Grigorovich, M.** Die Beweglichkeit der Gelenke als sekundäres geschlechtliches und konstitutionelles Merkmal. Zschr. ges. Anat., 2. Abt., 1929-31, 15: 679-93.

— Mycosis.

Chiurco, G. A. Micosi articolari sperimentali da Monilia. Arch. biol., Genova, 1930, 7: 11-21.—**Fedeli, F.** Micosi articolari sperimentali da Cryptococcus interdigitalis. Riv. pat. sper., 1928, 3: 222-42, 5 pl.—**Mendola, G., & Agosta, A.** Lesioni articolari sperimentali da Monilia tropicalis Castellani. Arch. Soc. ital. chir. (1927) 1928, 34: 645-53.—**Silva Lacaz, C. da.** Micosis com lesões osteo-articulares. An. paul. med. cir., 1942, 43: 151.

— Nerve supply.

Ghetie, V. Die Innervation der Gelenkkapseln an den Gliedmassen des Pferdes (für Kliniker) Arch. wiss. prakt. Tierh., 1939-40, 75: 134-43.—**Leriche, R.** Recherches sur le rôle de l'innervation sensitive des articulations et de leur appareil ligamentaire dans la physiologie pathologique articulaire. Presse méd., 1930, 38: 417.—**Oda, M.** Ueber die Nervenendigungen, die sich in Gelenkkapsel und Synovialhaut verteilen, und über die Nerven in den Knorpelgewebe. Mitt. Med. Akad. Kioto, 1935, 14: 677-9.—**Sasaoka, S.** Ueber das Kaliber der markhaltigen Nervenfasern im Gelenk. Jap. J. M. Sc., 1938-39, 7: Anat., 315-22.

— Nutrition [incl. dystrophy]

See also names of deficiency diseases.

Bywaters, E. G. L. The metabolism of joint tissues. In Rep. Chron. Rheum. Dis. (Buckley, C. W.) Lond., 1936, No. 2, 104-8. Also J. Path. Bact., Lond., 1937, 44: 247-68, pl.—**Cerulli, G.** Ricerche sperimentali sulle vitamine in rapporto alla fisiopatologia articolare. Sperimentale, 1935, 89: 248-71.—**De Francesco, F.** Ricerche sperimentali sulla respirazione dei tessuti articolari. Osp. maggiore, Milano, 1935, 23: 17-24.—**Fang, H. C., & Miltner, L. J.** The effects of hypercalcaemia on joints. J. Bone Surg., 1936, 18: 909-13.—**Finocchio, E.** La distrofia dislocante o distrofia luxans. Prensa méd. argent., 1934-35, 21: 652.—**Paviot, J., Lagèze, P., & Naussac, H.** Les arthropathies protéiniques, en particulier celles d'origine alimentaire. J. méd. Lyon, 1933, 14: 53-63.—**Strauch.** Stoffwechsel und Gelenkerkrankung. Nervenarzt, 1938, 11: 1-5.—**Weil, M. P.** Manifestations articulaires et calcémie; les arthrites par carence calcique. Gaz. méd. France, 1930, 467.

— Osteoarthritis.

See Osteoarthritis.

— Osteoarthritis deformans endemica [Kaschin-Beck disease]

See also Iron, Metabolism: Disorder: Excess.

IRKUTSK. VOSTOCHNOSIBIRSKY KRAEVOI MEDICINSKY INSTITUT; OTDEL ZDRAVOOKHRANENIA [The Urov disease (osteoarthritis) in Trans-Baikal] 208p. 21cm. Irkutsk, 1936.

Aiiso, M., & Hayasi, N. Pathologic-anatomical studies of Kaschin-Beck's disease. J. Orient. M., Dairen, 1936, 25: 49-51.—**Banaitis, S. I.** [Endocrine factors in Kaschin-Beck's disease] Ortop. travmat., 1935, 9: 37-42.—**Baronov, S. F., & Levinson, M. Z.** [Clinical aspect of Kaschin-Beck's disease] Ibid., 12-26.—**Chasanow, M.** Ueber die Beckische Krankheit, zugleich ein Beitrag zur Frage der Zusammenhänge zwischen Gelenkveränderungen und vegetativem Nervensystem. Arch. Psychiat., Berl., 1926, 79: 83-95.—**Damperov, N. I.** [Ourovsk disease (Kaschin-Beck) in Manchuria] Klin. med., Moskva, 1937, 15: 830-3. — **& Sergievsky, F. I.** [Achondroplasia in the Urov disease] Vest. endokr., 1935, 5: 722-6.—**Fedorov, N. I.** [Symptomatology of nervous disorders in Urov disease] Tr. Vost. Sibir. med. inst., 1935, No. 2, 15-25. — [Reserve working capacity of the Urov inhabitants in gold mining] Ibid., 26-32. — [The muscular system in Kaschin-

Beck's disease] Ibid., No. 3, 291-6.—**Goldstein, D., & Nikiforov, P.** Ueber die sogenannte Kaschin-Becksche Krankheit. Fortsch. Röntgenstrahl., 1931, 43: 321-36.—**Gratsiansky, V. P.** Die Kaschin-Becksche Krankheit im Röntgenbilde. Ibid., 1934, 50: 367-76. Also Ortop. travmat., 1935, 9: 27-36. — **& Baronov, S. F.** [New data on growth and changes in the bones and joints in children with Kaschin-Beck's disease] Ibid., 1937, 11: 42-51.—**Hershberg, A. L.** [On endemic osteoarthritis deformans] Sovet. vrach. J., 1937, 2: 185-90.—**Hiramatu, J.** Zwei Fälle der sogenannten Kaschin-Beckschen Krankheit. Jap. J. M. Sc., 1933-35, 3: Int. Med., 133-60.—**Hiyeda, K.** The cause of Kaschin-Beck's disease. Ibid., 1939, 4: Path., 91-106.—**Kaschin-Beck's disease.** Brit. M. J., 1940, 1: 490.—**Kireev, M. P.** [Clinical data of Beck's disease (osteoarthritis endemica)] Mosk. med. J., 1927, 7: 41-51.—**Mikhailov, M. P.** Das Röntgenbild der Knochenveränderungen bei der Beckischen Krankheit (Osteo-chondroarthrosis deformans endemica) Fortsch. Röntgenstrahl., 1928, 38: 364-7. — **& Zhinkin, V. N.** [Data on treatment of Kaschin-Beck's disease] Tr. Vost. sibir. med. inst., 1935, No. 3, 283-90.—**Mochalin, N. Z.** [Clinical aspect of Urov disease] Med. biull., Irkutsk, 1939, No. 2, 70-80.—**Okonskaia, E.** Hemophilia in areas of endemic polyarthritides in Trans-Baikal district (Kaschin-Beck disease) Vest. khir., 1927, 10: 33-40.—**Oparin, S. V.** [Phosphorus-calcium metabolism in Urov disease] Med. biull., Irkutsk, 1939, No. 2, 81-92.—**Oseretsky, N., Plotnikova, O., & Khofina, S.** [Psychoneurological characteristics in children with Kaschin-Beck's disease] Ortop. travmat., 1935, 9: 43-7.—**Raskin, J.** [Morphology of capillary system in endemic polyarthritides in Trans-Baikal district (Kaschin-Beck disease)] Vest. khir., 1927, 10: 11-7.—**Rokhlin, D. G.** [On the geographical spread of Beck's disease and its rudimentary, characteristic changes] Vest. rentg., 1938, 21: 61-72, 2 pl.—**Rubasheva, A. E., & Sergievsky, F. P.** [Urov or Kaschin-Beck disease in the light of clinical roentgenological and paleo-pathological data] Ibid., 1934, 13: 115-30.—**Ryo, S.** Clinical observations of Kaschin-Beck's disease found in Fushun, Manchoukuo. J. Orient. M., Dairen, 1936, 24: 70.—**Schwartzman, M.** [Endemic osteoarthritis deformans in Trans-Baikal] Sovet. vrach. J., 1937, 2: 181-4.—**Sergievsky, F. P.** [Urovsk disease; data of the Urovsk Institute] Klin. med., Moskva, 1937, 15: 822-9. — [Does the Urov disease (Kaschin-Beck) affect adults?] Arkh. biol. nauk, 1940, 60: No. 2, 7-10.—**Shipachev, V.** [Pathogenesis of arthritis deformans endemica in Trans-Baikal region] Vest. khir., 1927, 10: 24-32. — **Die Kaschin-Becksche Krankheit (Osteoarthritis endemica)** Deut. Arch. klin. M., 1931, 170: 133-45.—**Takamori, T.** Studien über die Kaschin-Becksche Krankheit. Jap. J. M. Sc., 1938-39, 5: Proc. Int. Med., 56.—**Tsui Zen Sai.** Ueber die Schilddrüsenfunktion bei der Kaschin-Beckschen Krankheit. Ibid., 252.—**Turner, G. I.** [Kaschin-Beck's disease] Ortop. travmat., 1935, 9: 5-11.—**Vulpe, I. N.** [Pathogenesis and spreading of arthritis deformans endemica] Omsk. med. J., 1928, 3: 12-8.—**Yamanaka, T.** Studien über die Kaschin-Becksche Krankheit; über die Blut-Wasserstoffionenkonzentration und ihre Pufferwirkung bei der Kaschin-Beckschen Krankheit. J. Orient. M., Dairen, 1939, 31: 10-2.

— Osteoarthropathy.

See Osteoarthropathy.

— Osteochondritis dissecans [König]

See Osteochondritis dissecans.

— Osteochondrosis.

See Osteochondrosis.

— Osteoma.

See under subheading Chondromatosis.

— Pain [Arthralgia]

Bohlken [Tonsillar tuberculosis and pain in the joints] Geneesk. tsschr. Ned. Indie, 1939, 79: 1400.—**Dittmar, O.** Zur Behandlung von Gelenk- und Muskelschmerzen. Med. Welt, 1932, 6: 849.—**Faber.** Ueber Immetallbehandlung. Verh. Deut. orthop. Ges. (1937) 1938, 32: 224-8.—**Faber, A.** Zur Frage der Histaminbehandlung schmerzhafter Muskel- und Gelenkerkrankungen. Münch. med. Wschr., 1933, 80: 1249.—**Fitz, R.** Three cases with intermittently painful joints, splenomegaly and anemia. Med. Clin. N. America, 1935, 18: 1053-66.—**Hall, F. C.** The importance of mechanical trauma in joint pain. Ibid., 971-87.—**Healey, C. E.** The cause of joint pain, occurring during active immunization with scarlet fever streptococcus toxin. J. Am. M. Ass., 1937, 108: 628-30.—**Intermittent joint pain.** N. England J. M., 1940, 223: 422-7.—**Jauson, Giard & Kouchner.** Algies et arthralgies herpétiques. Rev. rhumat., Par., 1939, 6: 581-6.—**Jüngling, O.** Behandlung schmerzhafter Gelenkzustände. Med. Welt, 1934, 8: 183-6.—**Mallory, T. B.** Joint pains. N. England J. M., 1941, 225: 151-5.—**Most, A.** Tubercula dolorosa. Beitr. klin. Chir., 1926, 136: 252-9.—**Pap, L.** Ueber eine Form endokriner Arthralgie. Wien. klin. Wschr., 1931, 44: 1189-92. — **De l'arthralgie endocrinienne.** Rapp. Congr. internat. rhumat.

(1932) 1934, 3. Congr., 86-91.—**Pascone, O.** Sulle artalgie, Gazz. osp., 1936, 57: 37-40.—**Pasteur, F.** Galvanothérapie à haute tension des arthralgies traumatiques, J. radiol. électr., Par., 1934, 18: 325.—**Rentschler, E. B.** Arthritic pain in relation to changes in weather, Proc. Mayo Clin., 1929, 4: 137-9.—**Vanant, F. R., & Rowntree, L. G.** Arthritic pain in relation to changes in weather, J. Am. M. Ass., 1929, 92: 1995-2000.—**Saxl, A.** Arthrogene Neuralgien, Wien. klin. Wschr., 1934, 47: 44; 74. — Gelenkneuralgien; Gelenkschmerzen (Arthralgien) Ibid., 485-90.—**Severe joint pains.** N. England J. M., 1940, 223: 822-5.—**Steinbrocker, O., McEachern, G. C.** [et al.] Experience with cobra venom in the arthralgias and related conditions, J. Am. M. Ass., 1940, 114: 318-22.—**Sucupira, A.** Observações clínicas: dores articulares, Rev. flora med., Rio, 1942, 9: 203-5.—**Tecoz, R. M.** Le traitement des mouvements douloureux par l'anesthésie de surface, Praxis, Bern, 1942, 31: 709.—**Trevor, D.** Painful joints and their treatment, Med. Press & Circ., Lond., 1939, 201: Suppl., p. xi-xvi.

— Periarticular tissue.

See also Arthritis, Periartthritis; Juxtaarticular node.

Becker, R. Gelenkuntersuchungen bei einem Falle von Periartthritis destruens (Umbel) Virchows Arch., 1927, 264: 266-79.—**Canigiani, T.** Zur Röntgenbehandlung periartikulärer Entzündungen, Wien. klin. Wschr., 1942, 55: 628-31.—**Cohen, S. S.** On some angioneural arthroses (periartroses, pararthroses) commonly mistaken for gout or rheumatism, Am. J. M. Sc., 1914, 147: 228-43.—**Gordon, D.** Periarticular fibrosis, Indust. M., 1936, 5: 604-8.—**Hoche, O.** Ueber eine ausserordentlich seltene periartikuläre Tumorerkrankung, Deut. Zschr. Chir., 1936, 247: 535-47.—**Jirasek, A.** Traitement des inflammations périarticulaires post-traumatiques chroniques, Mém. Acad. chir., Par., 1938, 64: 1069-75.—**Lorenzen, T.** Om periartthritis, Hospitalstidende, 1909, 5 R., 2: 121-9; 157.—**Nyrop, E.** [Treatment of periarticular diseases with paraffin packs] Ugeskr. læger, 1934, 96: 248.—**Petrignani, R.** Les périarthrites traumatiques, Rev. orthop., Par., 1932, 3. ser., 19: 101-42.—**Stocumb, C. H.** Differential diagnosis of periarticular fibrositis and arthritis, Ann. Rheum. Dis., Lond., 1940, 2: 108-13.—**Sternberg, M.** Ueber eine eigenartige periartiritische Erkrankung; Sclerodermia periarticularis pigmentosa, Med. Klin., Berl., 1934, 30: 1490.—**Umbel, E.** Die endokrine Periartthritis, Deut. med. Wschr., 1926, 52: 1631-3.—**Zeitlin, A. A.** [Origin of sesamoid ossicles near the articulations] Orthop. travmat., 1934, 8: 49-55.

— Periarticular tissue: Calcification.

Cornejo Saravia, E., & Muleahy, J. Ossificaciones intra-articulares paraarticulares (de la articulación del hombro) Bol. Soc. cir. B. Aires, 1933, 17: 17-23.—**Dufour.** Contribution à l'étude des ossifications périarticulaires, Bull. Soc. radiol. méd. France, 1936, 24: 364-6.—**Dussman, M. I.** [Roentgen diagnosis of periarticular calculus and its rôle in industrial diseases] Orthop. travmat., 1930, 4: 123-8.—**Ferguson, A. B.** Calcification in fat pads about the joints, J. Bone Surg., 1934, 16: 418-22.—**Füllsack, H.** Ein Fall von multipler, vorwiegend paraartikulärer Knotenbildung mit Kalkablagerungen, Fortsch. Röntgenstrahl., 1928, 37: 340-2.—**Hitchcock, H. H.** Calcium deposits about joints, West. J. Surg., 1937, 45: 353-61.—**Niederle, B.** [Para-articular ossification after trauma] Cas. lek. česk., 1936, 75: 183-8.—**Pellegrini, A.** Ossificazioni post-traumatiche paraarticolari, O. P. P. Arch. ital. chir., 1938, 53: 501-63.—**Piulachs, P., & Pelayo, M.** Tratamiento de las ossificaciones y calcificaciones periarticulares con la infiltración anestésica, Medicina, Madr., 1943, 11: 190-8.—**Stefanini, J.** Les ossifications post-traumatiques para-articulaires, Rev. chir., Par., 1933, 71: 121-46.—**Stegemann, H.** Die chirurgische Bedeutung paraartikulärer Kalkablagerungen, Arch. klin. Chir., 1923, 125: 718-38.—**Vos, P. A.** [Periartthritis traumatica ossificans] Ned. tsehr. geneesk., 1935, 79: 5900-4.

— Pharmacology.

Francillon, M. R. Beitrag zur Gelenkhiologie; über die Einwirkung von Acetylcholin auf ruhiggestellte Gelenke, Schweiz. med. Wschr., 1936, 66: 342.—**Frend, E.** Ueber die Wirkung des Phenolcamphers (Solutio Chlumsky) auf das normale Gelenk, Deut. Zschr. Chir., 1931, 233: 313-28.—**Rhineland, F. W., 2d, Bennett, G. A., & Bauer, W.** Exchange of substances in aqueous solution between joints and the vascular system, J. Clin. Invest., 1939, 18: 1-13.—**Zeller, J. W., Bywaters, E. G. L., & Bauer, W.** The passage of thiocyanate and glucose from the blood stream into the joint spaces, Am. J. Physiol., 1941, 132: 150-6.

— Physiology.

See also subheadings (Mechanism; Movement)

Policard, A. Physiologie générale des articulations à l'état normal et pathologique, 214p. 8° Par., 1936.

Baer, W., Ropes, M. W., & Waine, H. The physiology of articular structures, Physiol. Rev., 1940, 20: 272-312.—**Bowie, M. A.** The physiology of joint tissue, Med. Clin. N. America, 1940, 24: 1621-32.—**Hackenbroch, M.** Gelenkphysiologie und Gelenkmeehanik, Münch. med. Wschr., 1941, 88: 283.—**Häbler, C.** Kolloidchemische Physiologie und Pathologie der Gelenke, In Med. Kolloidlehre (Lichtwitz) Dresd., 1935, 357-64.

— Pseudoarthrosis.

ALTER, E. *Ueber Pseudarthrosen. 17p. 8° Berl., 1917.

BERGER, E. *Die Pseudarthrose und ihre Bedeutung für den Träger der Reichsunfallversicherung. 51p. 8° Berl. [1935]

DÜRST, F. Ueber Pseudarthrosen. 30p. 8° Bonn., 1896.

FINDLING, H. *Ueber Pseudarthrosen. 34p. 8° Berl., 1935.

HOHMANN, G. Die Pseudarthrosen und die durch Knochendefekte entstandenen Schlottergelenke. 61p. 8° Stuttg., 1921.

RIEDER, E. *Ueber Vorkommen, Ursachen und Behandlung der Pseudarthrose (auf Grund eines Materials von 21 Fällen, die in den Jahren 1923-1933, in der Heidelberger chirurgischen Universitäts-Klinik beobachtet oder operiert wurden) [Heidelberg] 30p. 8° Bottrop, 1934.

SCHLINKE, H. M. F. *Ueber Pseudarthrosen in der Vorgeschichte und der Jetztzeit. 30p. 8° Halle, 1934.

SCHMIDT, J. *Ueber Pseudarthrosen und Schlottergelenke (Auszug) [Leipzig] 7p. 8° [Altenburg] 1923.

WIRTHS, E. *Der heutige Stand der Pseudarthrosen unter besonderer Berücksichtigung der operativen Behandlung der Knochenbrüche [Würzburg] 23p. 21cm. Ochsenfurt, 1936.

Bergmann, E. Ueber Pseudarthrosen, Deut. med. Wschr., 1933, 59: 609-11.—**Brandt, G.** Beitrag zur Pseudarthrosenfrage, Arch. klin. Chir., 1932, 173: 848-51 [Discussion] 198-200.—**Brinn, H.** Das Problem der Pseudarthrosen, Schweiz. med. Wschr., 1934, 64: 60.—**Cunco, A.** Sulla pseudoartrosi di Iloffa, Arch. ortop., Milano, 1907, 21: 386-93.—**Davidson, W. C.** Note on a case of pseudoarthrosis, West Afr. M. J., 1933, 7: 94.—**Fèvre, M., & Judet, J.** Etat de la moelle osseuse dans la pseudoarthrose congénitale, Ann. anat. path., Par., 1936, 13: 223.—**Juzta, K.** Ein Fall von Pseudoarthrose am Skelet eines Skythen, Klin. Wschr., 1935, 14: 1474.—**Kreke, A.** Pseudarthrosen an Gliedmassenknochen, In his Beitr. prakt. Chir., Münch., 1934, 580-4.—**Lafourende, J.** Cinq observations de pseudoarthrose, Arch. prov. chir., Par., 1900, 9: 585-95.—**Massart, R., & Vidal-Naquet, G.** Les pseudoarthroses, In their Prat. orthop., Par., 1938, 733-6.—**Mathieu, P.** Les pseudoarthroses, In Traité chir. orthop. (Ombredanne) Par., 1937, 1: 145-74.—**Milch, H.** Epiphyseal pseudoarthrosis, J. Bone Surg., 1942, 24: 653-62.—**Mitterstiller, S.** Zur Histologie der Pseudoarthrose, Beitr. path. Anat., 1931, 87: 169-203.—**Müller, W.** Beobachtungen aus dem Gebiet der Pseudarthrosen, Zbl. Chir., 1938, 65: 2051-3.—**Pitzen, Die Pseudarthrosen.** Ibid., 1941, 68: 20.—**Tagliavini, A.** Le pseudoartrosi di casa lunghie del cavallo, Clin. vet., Milano, 1935, 58: 528-41.—**Viganò, A.** In tema di pseudoartrosi. Osp. maggiore, Milano, 1934, 22: 133-50.

— Pseudoarthrosis: Etiology.

See also Fracture, Malunion; Fracture, Non-union.

WENGEN, H. A. *Zur Frage der Aetiologie der Pseudarthrosenbildung [Zürich] 43p. 23cm. Zür., 1935.

BERNHAMMER, A. *Ursachen und Behandlung der Pseudarthrosen der langen Röhrenknochen [Giessen] 31p. 22cm. Würzb., 1938.

BRANDT, G. Verzögerte Knochenbruchheilung und Pseudarthrosenbildung; ihre Ursachen und Behandlung. 175p. 8° Lpz., 1937.

GARDAZ, E. *Contribution à l'étude de l'étiologie et du traitement des pseudoarthroses congénitales [Lausanne] 47p. 8° Fribourg, 1934.

HAMANN, F. *Zur Aetiologie und Behandlung der Pseudarthrosen. 24p. 8° Berl., 1933.

INBERG, K. R. *Experimentelle Beiträge zur Frage der Entstehung von Pseudarthrosen. 133p. 8°. Helsin., 1931.

Also Acta Soc. med. Duodecim, 1930-31, 13: ser. B.

SÜPFLE, H. *Zur Frage der Entstehung, Bedeutung und Behandlung der Pseudarthrosen. 99p. 8°. Lpz., 1935.

WALDECK, H. *Ueber angeborene Pseudarthrosen. 24p. 8°. Heidelb., 1929.

WALTER, F. [O. H.] *Ueber Festwerden von Pseudarthrosen nach Belastung [Berlin] 39p. 21cm. Reichenbach, 1938.

ZURBRÜGGEN, A. *Ueber die Aetiologie der Spontanpseudarthrosen und deren Beziehung zur dissezierenden Körperbildung im epiphyseären Knorpelknorpelgewebe [Münster] 31p. 8°. Oelde, 1931.

Argüelles, R. El factor mecánico en la génesis y en el tratamiento de la pseudartrosis. Medicina, Madrid, 1941, 9: 369-79.—Block. Einiges über Häufigkeit und Ursachen der Pseudarthrosen. Zbl. Chir., 1941, 68: 21.—Bohler, L. Die Ursachen der Pseudarthrosenbildung und ihre Behandlung. Klin. Wschr., 1928, 7: 1332-4.—Bondarchuk, A. V. [Traumatische pseudarthrosis] Vest. khir., 1932, 26: 154.—Bonome, A. Intorno alla patogenesi delle pseudartrosi. Arch. sc. med., Tor., 1886-87, 10: 367-96.—Buresch, A. Pseudarthrose und Muskel. Arch. klin. Chir., 1926, 143: 739-62.—Cacero, J. C., & Mainetti, H. La circulación diafisaria en los huesos largos; su importancia en la etiología de las pseudoartrosis. An. Inst. clin. méd., B. Air., 1932, 12: 198.—Comper, E. L. Localized osteitis fibrosa in the new-born and congenital pseudarthrosis. J. Bone Surg., 1936, 18: 513-23.—Daniels, A. Pseudarthrosenheilung durch Infekt. Zbl. Chir., 1936, 63: 2887-9.—Debrunner, Ueber verzögerte Konsolidation und Pseudarthrose. Verh. Deut. orthop. Ges. (1932) 1933, 27. Kongr., 448-52.—Elensky, K. F., & Otchuk, P. P. [Pathogenesis and pathological anatomy of pseudarthroses] Ortop. travmat., 1935, 9: 3-15.—Green, W. T., & Rudof, N. Pseudarthrosis and neurofibromatosis. Arch. Surg., 1943, 46: 639-51.—Hellstadius, A. A clinical study of the causation of pseudarthrosis of the diaphyses of the long bones of the extremities. Acta chir. scand., 1933, 73: 111-60. Ueber die Ursachen der Diaphysenpseudarthrosen an den langen Röhrenknochen der Extremitäten. Med. Welt, 1935, 9: 186-8.—Helminen, H. [Frequency of pseudarthrosis in the long bones following diaphysary fractures] Duodecim, Helsin., 1938, 54: 713-23.—Jessen, H. Ueber die Bedeutung des Periosts bei der Entstehung und Behandlung der Pseudarthrosen. Arch. klin. Chir., 1925, 137: 289-99.—Katzstein, M. Die wechselseitigen Störungen der Knochenhaut und des Knochenmarks im Knochenaufbau; ein Beitrag zur Entstehung der Pseudarthrose. Ibid., 1927, 145: 461-79.—König, F., & Wirth, E. Knochenbruchbehandlung und Pseudarthrosen in deutschsprachigen Ländern und ihre unfallmedizinische Bedeutung. Arch. orthop. Unfallchir., 1936-37, 37: 448-52.—Krompecher, I. [Mechanism of development and histology of pseudarthrosis] Gyógyászat, 1939, 79: 143.—Küntsch, Ueber die Bedeutung der mechanischen Ursache der Pseudarthrosen. Zbl. Chir., 1937, 64: 1063-5.—Lewer, E. W. Fehler der Frakturbehandlung und ihre Beziehung der Pseudarthrosen. Arch. klin. Chir., 1937, 189: 216-8 [Discussion] 30.—Lorenz, A. Konservatismus bei verzögerter Callusbildung mit Pseudarthrose. Zbl. Chir., 1935, 62: 2662-7.—Maier, O. Zur Frage der Entstehung der Gelenkform (an Hand eines Falles von pseudarthrotischem Kugelgelenke) Anat. Anz., 1930, 70: 278-86.—Massart, R. A propos des pseudarthroses et des troubles de consolidation des fractures. Bull. Soc. chir. Paris, 1930, 22: 497-500.—Meisenbach, R. O. Pseudarthrosis produced by interposing sheet silk and bayberry wax. Am. J. Orthop. Surg., 1914, 11: 648-55.—Nicod, P. Pseudarthroses congénitales. Helvet. med. acta, 1937, 4: 695-8.—Odelberg-Johnson, G. On defects and pseudarthroses of the bony bridge following paraspinal bone transplantation in growing rabbits. Acta orthop. scand., 1939, 10: 160-219.—Oserow, A. Zur Klinik der Rezidive von Pseudarthrosen bei Verletzungen und Erkrankungen der peripheren Nerven. Fol. neuropath. eston., 1925, 34: 188-93.—Pickett, J. C. Delayed union and pseudarthrosis. West Virginia M. J., 1937, 33: 547-53.—Redwitz, E. von. Der derzeitige Stand der Pseudarthrosenfrage. Arch. klin. Chir., 1935, 182: 649-84. Also Zbl. Chir., 1935, 62: 2574-83.—Rizvash, S. I. [Splenectomy as a cause of pseudarthrosis] Ortop. travmat., 1939, 13: No. 3, 57.—Rostock, P. Rezidivpseudarthrose beim Kleinkind. Zbl. Chir., 1938, 65: 939-43.—Schmidt, A. Histologische Untersuchungen bei experimentellen Pseudarthrosen. Beitr. klin. Chir., 1926, 136: 463-95.—Sinn, H. D. Ueber die Bedeutung der mechanischen Ursachen der Pseudarthrosen. Zbl. Chir., 1937, 64: 1054-8.—Vasiliev, A. A., & Epstein, G. J. [Pathogenesis of pseudo-joints] Arkh. pat. anat., Moskva, 1939, 5: No. 3, 41-53.—Viñas, M., & Rivara, L. T. Pseudoarthrosis congenita. Sem. méd., B. Air., 1937, 44: pt 1, 473-88.—Walter, Ueber die Spontanpseudarthrose, der Osteochondritis und verwandter Prozesse und ihre Beziehung zur Entstehung selbstständiger Knochenkerne. Verh. Deut. orthop. Ges. (1934) 1935, 29. Kongr., 78-101.

Pseudoarthrosis: Treatment.

BILLIARD, A. *Traitement par le chlorure de zinc des pseudarthroses en général et d'un cas particulier du pseudarthrose consécutif à la résection du genou. 64p. 8°. Par., 1897.

BÜNGER, P. [E. F.] *Beitrag zur Behandlung der Pseudarthrose. 33p. 8°. Greifswald, 1890.

CHUTRO, P. Tratamiento de la pseudoartrosis por los injertos óseos. 299p. 24cm. B. Air., 1938.

DOERNHOEFFER, H. *Therapie der Pseudarthrosen in alter und neuer Zeit. 35p. 8°. Bonn, 1935.

DYCKERHOFF, D. *Die Behandlung der schlecht heilenden Frakturen und Pseudarthrosen an der Kieler Universitätsklinik während der letzten 10 Jahre; mit Ausnahme der Schenkel-pseudarthrosen [Kiel] 24p. 23cm. Quakenbrück, 1937.

FRANKE, H. *Operation schwerer Pseudarthrosen [München] 17p. 8°. Würzb., 1936.

FREDERIKSE, F. J. *De behandeling van de pseudarthrose en van de vertraagde consolidatie van beenbreuken [Amsterdam] 117p. 8°. Nijkerk, 1925.

GIRNDT [J.] L. *Behandlungsmethoden veralteter, schlecht geheilter Frakturen und Pseudarthrosen. 36p. 8°. Greifsw., 1930.

HERBST, W. *Beitrag zur Klinik und Therapie der Pseudarthrose. 21p. 20½cm. Königsb., 1937.

HEULER, F. M. *Beitrag zu der operativen Behandlung der Pseudarthrosen. 24p. 8°. Münch., 1882.

HÖCHERL, J. [B. S.] *Ueber die Behandlungsergebnisse der autoplastischen Knochentransplantation bei Pseudarthrosen an der Würzburger chirurgischen Universitätsklinik von 1935 mit 1937. 24p. 22½cm. Würzb., 1938.

HOPPE, W. *Beitrag zur Behandlung der verzögert heilenden Brüche und Pseudarthrosen [Göttingen] 17p. 8°. Lehrte i. Hann., 1931.

KLOTH, M. A. *Beitrag zur Klinik und Behandlung der Pseudarthrose. 32p. 23cm. Berl., 1938.

KOSS, W. *Ueber Pseudarthrosen; ihre Ursachen und ihre Behandlung mittels freier Knochentransplantation [Freiburg i. B.] 25p. 8°. Kaaden, 1929.

KÜHNEL [F. M.] G. *Ueber Pseudarthrosen und Knochentransplantation [Leipzig] 52p. 8°. [Zeulenroda] 1931.

MAYR, E. *Ueber Pseudarthrosen und deren Behandlung. 58p. 8°. Nürnberg, 1919.

PENNARTZ, J. *Ein Beitrag zur Pseudarthrosenbehandlung. 29p. 8°. Bonn, 1928.

PETROF, T. *Contribution à l'étude du traitement des pseudarthroses. 91p. 8°. Lyon, 1897.

REIN, R. T. *Erfahrungen bei der Behandlung von Pseudarthrosen mit der Bohrung nach Beck. 24p. 8°. Königsb., 1936.

ROQUES, G. *Les pseudarthroses ostéomyélitiques après résection; traitement par les greffes osseuses. 99p. 24cm. Toulouse, 1934.

RUPRECHT, H. *Zur Frage der Pseudarthrosen und ihrer Behandlung [Freiburg] 57p. 22cm. Hamb., 1937.

SCHIRMER, K. H. *Pseudarthrosen und ihre Behandlung während der letzten zwölf Jahre an der Kieler Universitäts-Klinik [Kiel] 20p. 8°. Gütersloh, 1933-34.

WENNER, R. *Zur Therapie der Pseudarthrosen unter besonderer Berücksichtigung der Resultate mit der Umkehrplastik nach Brun [Zürich] 29p. 8°. Basel, 1936.

- Albec, F. H. Traumatic pseudarthroses and treatment by automatic machinery. Opera Internat. Congr. Indust. Accid. (1928) 1929, 5. Congr., 17-22.—**Arnaud, L.** Les greffes osseuses par enchevêtrement dans le traitement des pseudarthroses traumatiques des grandes diaphyses. Bruxelles méd., 1938-39, 19: 1080-90.—**Aumont.** Trois cas de pseudarthrose des membres; greffes osseuses par un procédé mixte (greffe libre intra-segmentaire, greffe ostéopériostique) Bull. Soc. nat. chir., Par., 1929, 55: 154-6.—**Baeyer, H. von, & Horn, C.** Neues in der Pseudarthrosenbehandlung. Zbl. Chir., 1932, 59: 721.—**Baj, L.** L'azione del siero dei fratturati sulle pseudoartrosi e sui ritardi di consolidazione delle fratture. Gior. batt. immun., 1928, 3: 529-39.—**Bastos Ansart.** Sobre el tratamiento de la pseudoarthrosis. Arch. med., Madr., 1936, 39: 171.—**Bauer, K. H.** Erfahrungen mit dem Kirschnerschen Aufsplittungsverfahren bei Pseudarthrosen. Chirurg, 1928-29, 1: 871-7.—**Das Aufsplittungsverfahren bei Pseudarthrosen.** Ibid., 1931, 3: 993-5.—**Berckel, K. C. van.** [Nail plastic in pseudoarthrosis] Ned. tscr. geneesk., 1936, 80: 4952-4.—**Biesin, A.** Zur operativen Behandlung der Pseudarthrosen im Kindesalter. Verb. Deut. orthop. Ges. (1931) 1932, 26. Kongr., 112-26.—**Birt, E.** Frakturenbehandlung und Pseudarthrosen. Arch. klin. Chir., 1938, 191: 327-46.—**Bode, F.** Ueber Pseudarthrosenoperationen. Zbl. Chir., 1928, 55: 769-72.—**Bohm, G. S.** [Comparative value of auto- and heterotransplants in treatment of pseudarthroses and delayed union] Orthop. traumat., 1936, 10: 107-13.—**Boliarsky, N. N.** [Cow's horn as plastic material in treating false joints and fractures] Vest. khir., 1927, No. 26-27, 244.—**Bolten, G. C.** [Treatment of idiopathic pseudoarthrosis] Ned. tscr. geneesk., 1934, 78: 4537-41.—**Boppe, M., & Fresnais, J.** Le traitement des retards de consolidation et des pseudarthroses par la perforation des fragments (méthode de Beck) J. méd. Bordeaux, 1937, 114: 577-94.—**Brandes, M.** Ueber altes und neues Bohren der Knochen bei Pseudarthrose und anderen pathologischen Zuständen. Zbl. Chir., 1932, 59: 1366-71.—**Zur Behandlung von Pseudarthrosen und verzögerter Konsolidation nach Frakturen.** Ibid., 1938, 65: 2829.—**Also Zschr. Orthop., 1939, 70: 99-109.**—**Brandt, G.** Verhütung und Behandlung der Pseudarthrosen. Ther. Gegenwart, 1938, 79: 153-7.—**Breuer, F.** Rippenumhüllung zur operativen Behandlung von Pseudarthrosen der langen Röhrenknochen. Arch. orthop. Unfallchir., 1934-35, 35: 50.—**Also Deut. Zschr. Chir., 1934-35, 244: 445-51.**—**Brun, H.** Pseudarthrose und verzögerte Konsolidation. Schweiz. med. Wschr., 1927, 57: 540.—**Typische Pseudarthrosenoperationen.** Ibid., 1931, 61: 1217-220.—**Ueber die Indikation zur Operation der Pseudarthrosen.** Helvet. med. acta, 1938, 5: 866-71.—**Also Zbl. Chir., 1938, 65: 2511.**—**Calissano, G.** La cura delle pseudoartrosi e dei ritardi di consolidazione col metodo di Beck. Arch. ital. chir., 1938, 50: 709-21.—**Chlunsky, V.** Ein Vorschlag zur operativen Behandlung der Pseudarthrosen und reitenden Knochenbrüche. Zbl. Chir., 1928, 55: 403.—**Chutro, P.** De tratamiento de la pseudoartrosis de los huesos largos por medio del injerto subperióstico. In his Lec. clin. quir., B. Air., 1938, 4: 7-57.—**Courtilier, L.** Ostéothérapie des brèches osseuses et des pseudarthroses par une nouvelle méthode. Bull. Soc. méd. Paris, 1937, 425-49.—**Daniels, A.** Beitrag zur Behandlung von Pseudarthrosen. Chirurg, 1936, 8: 251-5.—**Debrunner, H., & Frosch, L.** Experimentelle und klinische Studien zur Pseudarthrosenfrage. Arch. orthop. Unfallchir., 1925, 23: 10; 1926, 24: 261.—**Delahaye, A.** Treatment of quiescent tumor albus and pseudoarthrosis of tuberculous origin in children. J. Bone Surg., 1936, 18: 51-3.—**Delrez, L., Lambert, G., & Blavier, L.** Retards de consolidation et pseudarthroses des fractures diaphysaires; fréquence et traitement. Liège méd., 1934, 27: 273-90.—**Dujarié, C.** Traitement des pseudarthroses congénitales. Rev. orthop., Par., 1927, 3. ser., 14: 641-700.—**Epstein, G. J.** [Beck- and Jaboulet-Leriché operation in retarded consolidation and pseudoarthrosis] Orthop. traumat., 1935, 9: 67-75.—**Also J. chir., Par., 1936, 48: 34-45.** [Beck's operation in delayed union and pseudoarthrosis] Vest. khir., 1937, 52: No. 8, 194-9.—**Erlor, F.** Beitrag zur Behandlung von Pseudarthrosen. Zschr. orthop. Chir., 1932, 56: 31-44.—**Fekete, G.** [Prevention and treatment of false joint] Budapesti orv. ujs., 1931, 29: 1201-6.—**Felsenreich, F.** Behandlung von Pseudarthrosen mittels Trepanbohrung. Wien. med. Wschr., 1934, 84: 245.—**Pseudarthrosenbehandlung durch Trepanbohrung und Trepanzerstörung.** Zbl. Chir., 1934, 61: 440-7.—**Ferstl.** Ergebnisse der Refraktierung bei Pseudarthrosen. Arch. klin. Chir., 1937, 189: 233-9 [Discussion] 30.—**Fischer, A. W.** Resektion einer Pseudarthrose am Orte einer osteomyelitischen Fraktur. Zbl. Chir., 1936, 63: 950-2.—**Fontaine, R.** A propos de 8 cas de retard de consolidation et de pseudarthrose, traités par la sympathectomie périorbitale. Rev. chir., Par., 1926, 64: 95-104.—**Frankenthal, L.** Die Bedeutung der Beckischen Bohrung bei verzögerter Konsolidation und Pseudarthrose. Arch. klin. Chir., 1935-36, 184: 30-8.—**Gaudier, H.** Pseudoarthroses et ostéosyntheses. Mém. Acad. chir., Par., 1935, 61: 1332.—**Heile.** Zur Behandlung von Pseudarthrosen mit Kontraktionsschienen. Arch. orthop. Unfallchir., 1930, 28: 240-8.—**Helbing, C.** Ueber Pseudarthrosen und Nachbehandlung der Frakturen. Behndl. Kriegsverletz. & Kriegs-

krankh. in d. Heimatlazar., Jena, 1915, Teil 1, 87-101.—**Ianas, A., & Popesco, C.** Quelques cas de fractures non réduites et de pseudarthroses traitées chirurgicalement. Rev. chir., Bucur., 1940, 43: 531-40, 5 pl.—**Imbert, R.** Le traitement des pseudarthroses par les injections de sérum de fracture. Bull. Soc. nat. chir., Par., 1933, 59: 406-15.—**Judet, H.** Trois observations de pseudarthroses traitées par l'avivement et la réduction à ciel ouvert suivis d'ostéosynthese par le fixateur externe. P. verb. Congr. fr. chir., 1935, 44: 1198-201.—**Also Presse méd., 1935, 43: 1655.**—**Khakhtov, S. D.** [Treatment of pseudoarthrosis by transplantations] Vest. khir., 1926, 6: 173-86.—**Kleinschmidt, O.** Durch Knochenaufsplittung nach Kirschner operierte und geheilte Pseudarthrose. Zbl. Chir., 1926, 53: 1041-4.—**Die Pseudarthrose und ihre Behandlung.** Chirurg, 1936, 8: 313-25.—**König, F.** Ueber Verhütung örtlich bedingter Pseudarthrosen; ein Ergebnis der rationalen Osteosynthese. Arch. klin. Chir., 1930, 162: 720-34 [Discussion] 233-41.—**Kreutzmann.** Ursachen der Pseudarthrosenbildung an der Hand von 25 Fällen und deren Behandlung im Koppert-Kubans Frauenburg. Zbl. Chir., 1938, 65: 2053.—**Kuhle, J.** Erfahrungen mit dem Aufsplittungsverfahren nach Kirschner bei Pseudarthrosen und verzögerter Callusbildung. Chirurg, 1932, 4: 487-9.—**Laflitte.** Sept cas de fractures anciennes et de pseudarthroses traitées par la greffe osseuse intra-médullaire. Bull. Soc. nat. chir., Par., 1933, 59: 11-23.—**Le Fort.** Traitement des pseudarthroses par l'électrolyse. P. verb. Congr. fr. chir., 1888, 3: 580-5.—**Levander, G.** The operative treatment of some forms of pseudoarthrosis. Acta chir. scand., 1940, 84: 280.—**Einige Gesichtspunkte zur operativen Pseudarthrosebehandlung.** Ibid., 1941, 85: 148-64, pl.—**Lexer, E.** Operation und Erfolge bei veraltetem, mehrfach operierten Pseudarthrosen. Zbl. Chir., 1936, 63: 913-27.—**Lindemann.** Zur Behandlung der Pseudarthrose (Aufsplittung nach Kirschner) Arch. orthop. Unfallchir., 1928, 26: 287-90.—**Llambias, A.** A propósito del astillado en el tratamiento de las pseudoartrosis. Prensa méd. argent., 1937, 24: 1535-8.—**Magnus, G.** Wesen und Behandlung der Pseudarthrose. Arch. klin. Chir., 1937, 189: 191-211 [Discussion] 30.—**Martin, B.** Die Behandlung der Pseudarthrosen. Med. Welt, 1937, 11: 420-3.—**Matti, H.** Ueber die Behandlung von Pseudarthrosen mit Spongiosa-transplantation. Arch. orthop. Unfallchir., 1933, 31: 218-31.—**Also Schweiz. med. Wschr., 1933, 63: 930.**—**Technik und Resultate meiner Pseudarthrosenoperation.** Zbl. Chir., 1936, 63: 1442-54.—**May, H.** Anzeigstellung zur Behandlungsart der Pseudarthrosen der langen Röhrenknochen. Deut. Zschr. Chir., 1933, 239: 184-204.—**Mayeda, T.** Die Anwendung der Knochenvorpflanzung (Axhausen) zur Behandlung der Pseudarthrosen langer Röhrenknochen. Ibid., 1932, 236: 159-64.—**Meyer, O.** Zur Pseudarthrosenbehandlung. Ibid., 1931, 232: 436-8.—**Minne, J., & Loorius, R.** Un cas de pseudoarthrose post-traumatique traitée par la greffe osseuse. Echo méd. nord, 1934, 3. ser., 2: 297.—**Mommens, F.** Mechanisch-biologische Gesichtspunkte für die unblutige Behandlung der verzögerten Frakturheilung und Pseudarthrose mit Angabe einer biologischen Behandlungsmethode. Zschr. orthop. Chir., 1929, 51: 472-88.—**Nitsche, F.** Erfahrungen mit der mechanisch-biologischen Pseudarthrosenbehandlung [Discussion] Verb. Deut. orthop. Ges. (1932) 1933, 27. Kongr., 497-502.—**Zur Behandlung der Pseudarthrosen.** Zbl. Chir., 1939, 66: 2618-23.—**Nowotelnov, S. A.** Belebung der regenerativen Tätigkeit eines 25 Jahre alten Pseudarthrosen-Transplantats. Arch. orthop. Unfallchir., 1935-36, 36: 188-91.—**Osman.** Ergebnisse der Pseudarthrosenbehandlung in der Leipziger Chirurgischen Klinik. Deut. Zschr. Chir., 1927, 56: 88-118.—**Otaño, A.** Tratamiento de las pseudoartrosis a cielo abierto. Bol. Soc. cir. B. Aires, 1934, 18: 953-63.—**Paal, E.** Beiträge zur Pseudarthrosenbehandlung. Zbl. Chir., 1939, 66: 2380-3.—**Palagi, P.** Contributo al trattamento operativo delle pseudoartrosi di guerra. Arch. Soc. ital. chir. (1919) 1921, 26: 80-4.—**Pascalis, G.** Traitement des pseudoarthroses par greffe osseuse. In Prat. chir. illust. (Pauchet, V.) 3. éd., Par., 1934, 19: 261-81.—**Pfäb, B.** Ueber Pseudarthrosen. Deut. Zschr. Chir., 1927, 201: 71-83.—**Erfahrungen über eine 10jährige Pseudarthrosenbehandlung (1926-35)** Arch. orthop. Unfallchir., 1937, 38: 90-113.—**Plisson, L.** Traitement des pseudoarthroses. Progr. méd., Par., 1927, 42: 2066-75.—**Regele, H.** Zur Arbeit von Matti: Technik und Resultate meiner Pseudarthrosenoperation. Zbl. Chir., 1936, 63: 2308.—**Rocher, H. L., Pouyane, L., & Rocher, C.** Pseudarthrose congénitale à retardement traitée par greffe osseuse et, consécutivement, par forage et injection d'Ossical; guérison. Bordeaux chir., 1936, 7: 478-81.—**Rostock, P.** Die Pseudarthrosen der langen Röhrenknochen und ihre Behandlung. Med. Welt, 1941, 15: 502-4, pl.—**Rottenstein, G.** Résultats éloignés de l'ostéo-synthèse métallique dans les pseudoarthroses, suite de fractures de guerre. P. verb. Cong. fr. chir., 1922, 31: 213-6.—**Rykusuev, S. G.** [Beck's operation in delayed formation of callus and pseudoarthrosis] Khirurgia, Moskva, 1938, No. 3, 131-7.—**Schilling, W.** Das Pseudarthroseproblem und seine Beziehungen zur normalen Knochenregeneration. Beitr. klin. Chir., 1933, 157: 121-53.—**Schreiber, A.** Zur Verhütung und Behandlung der Pseudarthrosen. Münch. med. Wschr., 1893, 40: 653; 674.—**Schwarz, E.** Ueber die operative Verlängerung von Röhrenknochen und die Behandlung von Pseudarthrosen. Chirurg, 1931, 3: 793-6.—**Seeman, H. von.** Neues Operationsverfahren bei Pseudarthrosen und Gelenkbandverletzungen. Arch. klin. Chir., 1936, 186: 547-61.—**Solé, R.** Nuevo aporte de casos de pseudoartrosis tratadas por nuestro método a cielo abierto. Bol. Soc. cir.

B. Aires, 1927, 11: 9-25. Also Sem. méd., B. Air., 1927, 34: pt 1, 437-41.—**Sommer, G.** Unsere Erfahrungen über die Pseudarthrosenbildung und ihre operative Behandlung. Med. Klin., Berl., 1937, 33: 1708-10.—**Squirru, C. M.** Resultados de los injertos óseos en la pseudoartrosis. Rev. san. mil., B. Air., 1937, 36: 741-66.—**Sternberg, H.** Zur Behandlung der Pseudarthrosen [Discussion] Verh. Deut. orthop. Ges. (1932) 1933, 27. Kongr., 505-13.—**Tailhefer, A.** Le traitement actuel des pseudoarthroses dans les hôpitaux de Paris. Vie méd., 1926, 7: 2401; 2440.—**Tourneux, J. P.** Les pseudoarthroses. Concours méd., 1940, 62: 113-5. — Le traitement des pseudoarthroses. Ibid., 235-7.—**Tremblay, J., Archambault, F., & Sobrino.** Interventions anglantes dans les pseudoarthroses. Union méd. Canada, 1942, 71: 1130-2 (Abstr.).—**Trueta Raspall, J.** Tratamiento de la pseudoartrosis por el método de Beck. Med. ibera, 1934, 29: pt 2, 65.—**Vauer, K. H.** Zur Aufspaltung von Pseudarthrosen. Arch. klin. Chir., 1931, 167: 51.—**Verbrugge, J.** El rol de la osteosíntesis metálica en el tratamiento de las pseudoartrosis. Bol. Soc. cir. B. Aires, 1933, 17: 989-1002.—**Vézina, C., & Roy, L. P.** Traitement des pseudoarthroses et des retards de consolidation par la méthode de Beck. Laval méd., 1939, 4: 367-72. Also J. chir., Par., 1940, 56: 182.—**Vilardell, J. M.** Tres casos de injertos osteo-periosticos por pseudoartrosis. An. Hosp. S. Cruz, Barcel., 1928, 2: 120-6.—**Weiss, A.** Zur Casuistik der operativ behandelten Pseudarthrosen. Deut. Zschr. Chir., 1899, 53: 236-63.—**Wenzl, O.** Kippspanplastik zur Behandlung von Pseudarthrosen. Chirurg, 1937, 9: 292-8.—**Zakharzhevsky, V. P.** [Operative treatment of pseudoarthrosis of traumatic origin] Ortop. travmat., 1939 13: No. 1, 24-6.

Radiology.

See also subheading Examination.

Piombo, F. S. Arthro-neumo-radiografia. 92p. 27cm. B. Air., 1939.

Alksnis, A. [Roentgen anatomical investigation of normal joints in the horse, dog and cat] Latv. Univ. rak., 1938, 2: 1-85.—**Beisheim, W.** Die Bedeutung der Röntgenbilder in der Diagnostik der Gelenkerkrankungen. Zschr. wiss. Bäderk., 1929-30, 4: 457-67.—**Bernstein, A.** Röntgenologische Fortschritte auf dem Gebiete der Gelenkkrankheiten. Röntgenpraxis, 1930, 2: 49-74.—**Bircher, E.** Pneumoradiographie des Kniees und der anderen Gelenke. Schweiz. med. Wschr., 1931, 61: 1210, 4 pl.—**Bobbio, A., & Picco, A.** Ricerche sperimentali sullo studio delle articolazioni mediante l'introduzione di liquidi opachi. Arch. ital. chir., 1933, 34: 213-21.—**Böhm, M.** Die Darstellung des Gelenkknorpels und der Epiphysen im Röntgenbild. Verh. Deut. orthop. Ges. (1931) 1932, 26. Kongr., 126-31 [Discussion] 131.—**Borak, J., & Goldhamer, K.** Weitere experimentelle Beiträge zur Röntgenanatomie und -pathologie der Gelenke. Fortsch. Röntgenstrahl., 1927, 36: 128-32.—**Bückart, K.** Kontrastdarstellung der Gelenke. Zbl. Chir., 1933, 60: 2185.—**Buxton, St. J. D.** A radiographic survey of the normal joints. Brit. J. Radiol., B. I. R. Sect., 1927, 32: 199-213, 6 pl.—**Clavel, Visibilité méniscale directe.** Bull. Soc. électroradiol. méd. France, 1939, 27: 519.—**Denier, J.** L'oxydant comme agent de contraste pour l'étude radiologique des articulations et des tissus mous. Bull. Soc. radiol. méd. France, 1933, 21: 727-9.—**Didiée, J.** Sur le concept radiologique de l'interligne articulaire. Gaz. hôp., 1931, 104: 1117-20.—**Eisler, F.** Die Röntgendiagnose der chronischen Gelenkerkrankungen. Med. Klin., Berl., 1927, 23: 1332-4. — Zur Röntgendiagnose der Gelenkerkrankungen. Wien. klin. Wschr., 1936, 49: 1088-90.—**Giraudi, G., & Marziani, R.** Sull'impiego dell'uroselectan B nell' studio roentgenologico delle articolazioni. Atti Congr. ital. radiol., 1934, 11: pt 2, 295. Also Arch. ortop., Milano, 1934, 50: 757-63.—**Held, A.** Fortschritte in der Röntgendiagnostik der Gelenkleiden. Deut. med. Wschr., 1935, 61: 90.—**Jepson, P. N.** Injection of sterilized oil into joints for diagnostic purposes. Delaware M. J., 1938, 10: 59-62.—**Keller, H.** Arthrographic interval X-ray series as a means of diagnosis. Internat. J. M. & S., 1931, 4: 78-82.

A comparative evaluation for arthrographic purposes, hipuran, and arthropsin used for arthrographic purposes. Med. Rec., N. Y., 1935, 141: 76-8.—**Kienböck, R.** Klinische, radiologische und pathoanatomische Befunde. Radiol. Clin., Basel, 1939, 8: 26-30.—**Knoll, W., & Matthies, T.** Darstellung von Gelenken mittels Jodipinfüllungen. Fortsch. Röntgenstrahl., 1931, 43: 85-91.—**Kobes & Militzer.** Das Schicksal intraartikulär applizierten Jodipins im Hinblick auf die diagnostische und therapeutische Verwendung bei Gelenkerkrankungen nach Sievers. Deut. Zschr. Chir., 1927, 207: 42-50.—**Kreuscher, P. H., & Kelikian, H.** The use of iodized oil (lipiodol and iodipin) in the diagnosis of joint lesions. Surg. Gyn. Obst., 1930, 50: 888-90.—**Krogdahl, T.** [On roentgenology of true joint space] Nord. med., 1939, 1: 862-7.—**Laarmann, H.** Die Darstellung des Gelenkinneren im Röntgenbild. Arch. orthop. Unfallchir., 1936-37, 37: 433.—**Leman, R. M.** General technique for radiography of the joints. Brit. J. Radiol., 1932, n. ser., 5: 501-12, 4 pl.—**Lindholm, K.** Resultat av artrografi i knäled, Hansson, C. J., & Axén, O. Resultat av artrografi i knäled, fotled och skulderled. Nord. med., 1941, 10: 1161 (Abstr.).—**Lupo, M.** Considerazioni su qualche aspetto radiologico delle più comuni artropatie croniche. Gazz. med. ital., 1938, 97: 330-7.—**Magnusson, W.** Ueber die Bedingungen des Hervortretens der wirklichen Gelenkspalte auf dem Röntgenbilde.

Acta radiol., Stockh., 1937, 18: 733-41.—**Majer.** Zur Arthro-pneumoradiographie. Sitzber. Frankf. med. Ges., 1936, 21.—**Mastumaru, H., & Ueda, F.** Arthrography with contrast media. Jap. J. M. Sc., 1934-36, 4: Surg., 203.—**Meyer-Wildisen, R.** Zur Technik der Gelenk-Luftfüllungen. Schweiz. med. Wschr., 1938, 68: 991.—**Nordheim, Y.** Eine neue Methode, den Gelenkknorpel, besonders die Kniegelenkmensken, röntgenologisch darzustellen (ohne Zuhilfenahme eingespritzten Kontrastmittels) Fortsch. Röntgenstrahl., 1938, 57: 479-95.—**Oberholzer, J.** Die Arthro-Pneumoradiographie. Beitr. klin. Chir., 1933, 158: 113-56. — L'arthropneumoradiographie (méthode de Bircher) J. radiol. électr., 1936, 20: 18-23, 2 pl. — I metodi di contrasto articolare in radiografia. Chir. org. movim., 1936-37, 22: 363-72.—**Pannewitz, G. von.** Neuropathische Gelenkerkrankungen und ihre röntgenologische Frühdiagnose. Med. Klin., Berl., 1936, 32: 1171-4.—**Robert, P., & Forestier, J.** Le diagnostic radiologique des arthrites et des arthroses. Rev. rhumat., Par., 1936, 3: 768-73.—**Roberts, R. E.** Radiological appearances in common diseases of bones and joints. Med. Press & Circ., Lond., 1941, 206: 393-5.—**Rubin, E. L.** The delineation of articular cartilage by X-rays without the aid of contrast media. Brit. J. Radiol., 1939, 12: 649-57.—**Schoen, H.** Zur Technik der Gelenk-Kontrast-Darstellung. Röntgenpraxis, 1940, 12: 363.—**Schroeder, E. F., & Schnelle, G. B.** Veterinary radiography; the stifle joint. North Am. Vet., 1941, 22: 353-60.—**Schüller, D.** Die Kontrastdarstellung der Gelenke. Verh. Deut. orthop. Ges. (1935) 1936, 30. Kongr., 318-34.—**Schuster, R.** Zwei Demonstrationen; Röntgenogramme. Rapp. Congr. internat. rhumat. (1932) 1934, 3. Congr., 477-80.—**Shimada, N.** Diagnostic and therapeutic value of the pneumoarthrogram. Jap. J. M. Sc., 1934-36, 4: Surg., 203.—**Sievers, R.** Röntgenographie der Gelenke mit Jodipin. Fortsch. Röntgenstrahl., 1926, 35: 16-28.—**Steier, L.** Die Nachteile der sogenannten axialen Röntgenaufnahmen von Schulter und Hüfte und ihre Vermeidung durch das Stereobild. Zbl. Chir., 1937, 64: 1521-9.—**Widmann, B. P., & Stecher, W. K.** Roentgenographic demonstration of the true articular space. Radiology, 1936, 27: 541-4.—**Zakharov, I. D.** [Two projections in roentgenography of the shoulder- and hip-joints] Nov. khir. arkh., 1936, 37: 118-22.

Reflex.

See also Extremity, Reflex; Tendon, Reflex; also under names of joints.

Leighton, B. *Ueber die Bedeutung der sogenannten Gelenkreflexe (Léri'sches Vorderarmzeichen, Mayer'scher Fingergrundreflex) [Basel] 14p. 8° Lörrach-Stetten, 1936.

Smyslow, G. G. Das digitopronale Phänomen und seine Beziehung zu den tiefen Gelenkreflexen, im speziellen zum Phänomen K. Mayers. Deut. Zschr. Nervenh., 1930, 112: 124-39.—**Stiefler, G.** Zur Genese und Klinik des Grundgelenkreflexes. Ibid., 1928, 102: 13-24. — Ueber den Grundgelenkreflex und seine Brauchbarkeit in der allgemeinen Praxis. Mitt. Volksgesundh., Wien, 1929, Aertzl. Prax., 335-7.—**Trömmner, E.** Neue (Gelenk-) Reflexe der Beine. Klin. Wschr., 1926, 5: 1464-6.

Regeneration and wound healing.

See also subheading Injury.

AMMENWERTH, W. *Versuche über rasche und bleibende Ausfüllung von Oberflächen-defekten an den freien Knorpelknochenenden der Gelenke [Würzburg] p.435-47. 8° Berl., 1931.

Also Arch. orthop. Unfallchir., 1931, 30:

Fiorini, E. Sulla rigenerazione dei menischi articolari. Chir. org. movim., 1932-33, 17: 350-4.—**Haldeman, K. O.** The healing of joint fractures; a clinical and experimental study. J. Bone Surg., 1938, 20: 912-22.—**Löw-Beer, L.** Ueber die Heilung von Gelenksbrüchen. Virchows Arch., 1929, 273: 191-249.—**Mason, M. L.** Ueber den Heilungsvorgang der Gelenksbrüche. Beitr. klin. Chir., 1926, 138: 58-75.—**Walter, H.** Funktionelle Neubildung in arthritischen Gelenken. Arch. orthop. Unfallchir., 1926-27, 24: 620-32.

Rheumatism.

See Arthritis, atrophic; Rheumatic fever; Rheumatism.

Sensation.

See also subheading Nerve supply.

BRETERNITZ, W. H. A. *Ueber die Tourtualsche Täuschung. p.146-65. 8° Jena, 1934. Also Zschr. Psychol. Physiol. Sinnesorg., 2. Abt., 1934, 65:

PAULING, K. G. L. *Das Tastmass bei Gelenkbeanspruchung. p.189-214. 8° Jena, 1934.

Also Zschr. Psychol. Physiol. Sinnesorg., 2. Abt., 1934, 65:

Renqvist, Y. Ueber die Spannungsempfindung bei Reibungsbewegungen. Skand. Arch. Physiol., 1930, 59: 33-52.

— snapping.

Fick, R. Bemerkungen über die Schnappgelenke. Morph. Jahrb., 1931, 66: Teil 1, 1-21.—**Palmgren, A.** Zur Kenntnis der sogenannten Schnappgelenke; die Ursache des Federungsphänomens nebst einigen Bemerkungen über die Fossae nudaee des Ellenbogengelenkes beim Pferde. Zschr. ges. Anat., 1. Abt., 1928-29, 88: 710-45. — Zur Kenntnis der sogenannten Schnappgelenke; die physiologische Bedeutung des Federungsphänomens. Ibid., 1929, 89: 194-200. — Bemerkungen über die Schnappgelenke. Morph. Jahrb., 1932, 69: 380-93.

— Sprain [Distorsion]

See also subheading Injury.

GRIVEL, A. *Contribution au traitement des entorses par l'infiltration anesthésiante, méthode du Professeur Leriche. 71p. 24½cm. Par., 1938.

ROSTAN, J. *Du traitement des entorses et arthrites traumatiques par les ondes courtes [Marseille] 56p. 24½cm. Alger, 1936.

TANOWITZ, H. *Zur Behandlung der Distorsionen mit Lokalanästhesie. 24p. 23cm. Zür., 1941.

THOMAS, M. J. G. *Traitement des entorses et des séquelles des contusions articulaires par les injections locales d'une solution anesthésique sulfo-iodée. 56p. 24cm. Par., 1938.

Award to physician for sprain held excessive (Lebrecht v. United Railways Co. (Mo.), 237 S. W. R. 112) J. Am. M. Ass., 1922, 79: 401.—**Axford, M.** The treatment of sprains, acute and chronic. N. Zealand M. J., 1937, 36: 118-29.—**Baldwin, H. A., & Worstell, H. P.** Sprains of the foot and ankle, with appropriate treatment. Internat. J. M. & S., 1935, 48: 210.—**Barba Inclán, A.** El esguince; su concepto moderno. Cir. ortop. traumat., Habana, 1941, 9: 120-8.—**Beau, H.** Traitement physiothérapique de l'entorse. Rev. physiothér., Par., 1939, 15: 45-8.—**Bernard, E.** Quelques précisions au sujet des infiltrations anesthésiantes dans les entorses. Bull. Soc. chir. Paris, 1939, 31: 332-6.—**Bonnet.** Le traitement des entorses par le mouvement et les injections périarticulaires de novocaïne suivant Leriche. Bull. Soc. méd. mil. fr., 1938, 32: 455-60.—**Bristow, W. R.** Acute and chronic sprain. Brit. M. J., 1934, 2: 320; 669-72.—**Brunschwig, A., & Jung, A.** The importance of the periarticular innervation in the pathological physiology of sprained joints. J. Bone Surg., 1932, 14: 273-6.—**Büssens, W.** Die Wichtigkeit der Röntgenuntersuchung bei Verstauchungen. Med. Welt, 1936, 10: 1112, 4 pl.—**Buka, A. J.** Strains and sprains. Am. J. Surg., 1931, n. ser., 12: 290-3.—**Burns, L.** The osteopathic pathology of strains and sprains. J. Am. Osteopath. Ass., 1933, 32: 265-9.—**Campbell, W. G.** On minor injuries. J. R. Nav. M. Serv., 1938, 24: 48-55.—**Colson, G.** Le traitement de l'entorse simple aiguë par la faradisation. Prat. méd. fr., 1926, 5: 432-5.—**Denslow, J. S.** A discussion of the pathology commonly found in a joint which is subject to frequent sprains. J. Osteopathy, 1940, 47: 19-22.—**Desjardins, E.** L'entorse. Union méd. Canada, 1941, 70: 175.—**Ehmslie, R. C.** Sprains and allied injuries. Clin. J. Lond., 1936, 65: 395-403.—**The treatment of joint sprains and strains.** Brit. M. J., 1938, 1: 527-9.—**Esquerdo, A.** Tratamiento de las torceduras articulares. Arch. ter. méd. quir., Barcel., 1883-84, 2: 21-30.—**Fitch, R. R.** Injections of procaine for sprains and dislocations. J. Am. M. Ass., 1934, 102: 148.—**Forton & Panzat.** Valeur comparative de la méthode anesthésique de l'infiltration alcoolico-cocainique et de l'infiltration anesthésique simple dans l'entorse. Bordeaux chir., 1936, 7: 436.—**Fränkel, W. K.** Behandlung frischer Verstauchungen. Med. Welt, 1931, 5: 378.—**Frankel, E. L.** Treatment of sprains by injection of procaine. Lancet, Lond., 1939, 2: 597.—**Gamgee, L.** Sprains and joint injuries. Clin. J., Lond., 1929, 58: 181-7.—**Hallows, N.** Sprains and strains. Practitioner, Lond., 1931, 126: 139-46.—**Heald, C. B.** Sprains and strains. Practitioner, Lond., 1936, 136: 422-8.—**Houot, A.** Au sujet des risques encourus dans la mobilisation des entorses sans novocaïnisation. Bull. Soc. méd. mil. fr., 1939, 33: 337-40.—**Jakob, F.** Zur Behandlung der Gelenkdistorsionen. Schweiz. med. Wschr., 1939, 69: 700-2.—**Jennings, W. K.** The novocaïne treatment of simple sprains. Illinois M. J., 1936, 69: 538-41.—**Sprains.** Surg. Clin. N. America, 1936, 16: 171-89.—**Kraus, H.** Neue Distorsionsbehandlung. Aerzt. Prax., Wien, 1936, 10: 102-4.—**Laquerrière, A.** Réflexions sur quelques observations d'entorses traitées par la faradisation. J. radiol. électr., 1937, 21: 353-9.—**Leriche, R.** Qu'est-ce qu'une entorse? Gaz. hôp., 1934, 107: 325-8.—**Arnulf, G.** Treatment of sprains by interligamentary injection of novocaïne. Am. J. Surg., 1936, 32: 45-7.—**Leriche, R., & Fontaine, R.** De la valeur thérapeutique des infiltrations périarticulaires à la novocaïne dans les entorses et les arthrites traumatiques. Presse méd., 1932, 40: 280-2.—**Linden, P. van der.** Periarti-

kuläre Novokaineinspritzungen als Behandlung der Verstauchungen und traumatischen Arthritiden. Zschr. orthop. Chir., 1934, 61: 119-28.—**Marching** with a sprain; importance of local procaine infiltration in war. What's New, North Chic., 1943, No. 6, 12.—**Mayer, C.** Le traitement des entorses par les infiltrations anesthésiques selon la méthode de Leriche. Bruxelles méd., 1935-36, 16: 838-43.—**Miltner, L. J., & Hu, C. H.** Experimental reproduction of joint sprains. Proc. Soc. Exp. Biol., N. Y., 1933, 30: 883.—**Fang, H. C.** The pathology and treatment of joint sprain. Chin. M. J., 1935, 49: 521-8.—**Experimental joint sprain.** Arch. Surg., 1937, 35: 234-40.—**Miralić, C.** Le traitement actuel de l'entorse. J. méd. Paris, 1935, 55: 466.—**Moynahan, E. J.** Treatment of acute sprains by procaine infiltration (Leriche's method) Brit. M. J., 1939, 1: 671.—**Muroya, S.** Ueber Trauma, besonders über Distorsio articularis. Zschr. mil. Aerzte, Tokyo, 1911, No. 24, 25.—**Ochsner, E. H.** The treatment of simple sprains. Med. Rec., N. Y., 1937, 145: 294-8.—**Oxford, T. M.** Sprains and strains (acute). Tristate M. J., 1935-36, 8: 1704.—**Papin, E.** Les succès des infiltrations anesthésiques dans le traitement des entorses. Bordeaux chir., 1936, 7: 425.—**Parker, W. R.** Sprains. Railw. Surg. J., 1917, 23: 151.—**Parnox, C.** Le traitement moderne de l'entorse par la méthode de Leriche. Arch. méd. pharm. nav., Par., 1935, 125: 658-64.—**Pasquie, A.** Propos du traitement des entorses par la méthode de Leriche. Bull. Soc. méd. mil. fr., 1937, 31: 479-82.—**Passebois, P.** Traitement de l'entorse par la méthode de Leriche. Montpellier méd., 1939, 3. ser., 15: 75-8.—**Patton, E. F.** Treatment of a sprain. California West. M., 1934, 40: 116.—**Peña Treviño, R.** La anestesia local en las esguinces. Cir. ciruján, Méx., 1935, 3: 167-70.—**Piet, P.** Les foulures et leur traitement. J. sc. méd. Lille, 1923, 41: pt 2, 105-11.—**Plisson, L.** Les principes généraux du traitement des entorses et des luxations articulaires. Progr. méd., Par., 1927, 42: 1007-15.—**Porto, F.** A infiltração novocainica (método de Leriche) no tratamento das entorses e arthrites traumáticas. Impr. med., Rio, 1941, 17: No. 333, 76-8. Also Medicina, Paraíba, 1941, 10: 21-7.—**Saxl, A.** Statische Bandzerrung. Wien. klin. Wschr., 1938, 51: 44-8.—**Schüle, F.** Nachuntersuchungen von Distorsionen grosser Gelenke mit besonderer Berücksichtigung sympathischer Dystrophien. Arch. orthop. Unfallchir., 1937-38, 38: 621-33.—**Smart, M.** Pathology and treatment of sprains. Brit. M. J., 1931, 2: 673-5.—**Swartout, H. O.** First aid for sprains and dislocations. Health, Mount. View, 1943, 10: No. 2, 11.—**Treatment of sprain.** Brit. M. J., 1934, 1: 1038.—**Trèves, A.** Les infiltrations de novocaïne dans les entorses. Bull. Soc. chir. Paris, 1939, 31: 340-3.—**Tripodi, M.** Il metodo Leriche, trattamento delle distorsioni e delle fratture articolari per infiltrazione novocainica dei legamenti, applicato alla cura dei reumatismi cronici monoarticolari. Policlinico, 1938, 45: sez. prat., 789-95.—**Vairel, J.** Le traitement des entorses par le mouvement sans injections périarticulaires de novocaïne; une autoobservation d'entorse du genou, sans épanchement articulaire, traitée uniquement par le mouvement. Bull. Soc. méd. mil. fr., 1939, 33: 60-2.—**Vezina, C., Roy, L. P.** Le traitement des entorses par la novocaïne. Laval méd., 1936, 1: 19-23.—**Worstell, H. P.** Sprains. Proc. Postcolleg. Clin. Assembl. Coll. M. Ohio Univ., 1939, 6: 198-200.

— Stiffness.

Beluffi, E. L. Primi risultati nel trattamento con acetilcolina delle rigidità articolari post-traumatiche. Boll. Soc. med. chir., Pavia, 1939, 53: 1075-91.—**Benson, S.** Relative influence of diathermy and other physical therapy measures on stiffened joints. Res. Q. Am. Phys. Educ. Ass., 1930, 1: 52-73, 2 pl.—**Cozen, L.** Ethyl chloride spray as a means of mobilizing stiff joints. Physiother. Rev., 1941, 21: 151.—**Ducño, F. P.** Las rigideces de la articulación del hombro como consecuencia de traumatismos. Arch. med., Madr., 1932, 35: 301-10.—**Henderson, M. S.** Mobilization of stiff joints. Surg. J., 1925-26, 32: 73-9.—**Physical therapy and the management of stiff joints.** Arch. Phys. Ther., 1936, 17: 562-6.—**Henson, E. B.** The use of oxygen in the mobilization of stiff joints. South. M. J., 1936, 29: 586.—**Hodgson, F. G., & Smith, W. R.** Stiff joints. Ibid., 1927, 20: 452.—**Jones, R.** The problem of the stiff joint delivered at the Liverpool Medical Institution November 19th, 1931. Brit. M. J., 1931, 2: 1019-26.—**Martin, W.** Treatment of stiff joints by vibration. Am. J. Electrother., 1918, 36: 25.—**Mennell, J.** Stiff joints. Lck. wojsk., 1943, 35: 8-14.—**Salaghi, M.** Della convenienza di applicare in un maggior numero di casi il metodo della mobilizzazione graduale senza narcosi per la cura di gravi rigidità articolari. Chir. org. movim., 1931-32, 16: 104-10.—**Smart, M.** Stiff joints. Clin. M. & S., 1939, 46: 289.—**Stamm, T. T.** Post-traumatic joint stiffness. Guy's Hosp. Gaz., Lond., 1934, 48: 446-8.—**Vance, E. B. M.** The stiff joint. Med. J. Australia, 1939, 1: 139-45.

— Surgery.

IBÁÑEZ BENAVENTE, A., & CALVO VERA, A. Cirugía reparadora de las lesiones de las articulaciones. 115p. 23cm. La Paz, 1939.

Ertl, J. [Surgery of the joints] Budapesti orv. ujs., 1926, 24: 1077-82.—**Gebhardt, K., & Stumpfegger, L.** Wundheilungsstörungen bei Gelenkoperationen. Münch. med. Wschr., 1941, 88: 569-71.—**Klapp.** Demonstrationen aus der

Gelenkchirurgie. Arch. klin. Chir., 1928, 152: 136-43 [Discussion] 144-56.—**Mouchet, A., & Roederer, C.** La chirurgie ostéo-articulaire et la chirurgie infantile in 1938. Paris méd., 1938, 107: 509-21.—**Mumford, E. B.** Joint surgery. J. Indiana M. Ass., 1931, 24: 1-3.—**Payr, E.** Entwicklung, Gegenwart und Zukunft der Gelenkchirurgie. Zbl. Chir., 1926, 53: 842-51. — Der heutige Stand der Gelenkchirurgie. Arch. klin. Chir., 1927, 148: 404-521 [Discussion] 134-52. Also Med. Klin., Berl., 1927, 23: 888. — Die kinetische Kette; Tonuspathologie. Acta chir. scand., 1932, 72: 318-30.—**Plission, L.** Notions générales concernant la chirurgie orthopédique et réparatrice des lésions articulaires. Progr. méd., Par., 1927, 42: 1459-67. — Notions générales préables à la chirurgie articulaire. Ibid., 1928, 43: 1469-79.—**Rehn, E.** Ueber Fortschritte der Gelenkchirurgie. Zbl. Chir., 1934, 61: 1563-7.—**Schöne, G.** Gelenkchirurgie im Kriege. Ibid., 1938, 65: 1137-49.—**Tschmarke, G.** Experimentelle Untersuchungen über die Rolle des Muskeltonus in der Gelenkchirurgie; zur Frage der Entstehung und Beeinflussung lokaler Hypertonien. Arch. klin. Chir., 1929, 156: 43-55. — Experimentelle Untersuchungen über die Rolle des Muskeltonus in der Gelenkchirurgie; zur Frage der Beziehungen zwischen Muskeltonus und Muskelatrophie. Ibid., 1930, 159: 858-72.—**Valdoni, P.** Chirurgia delle articolazioni. In Man. chir. (Alessandri, R.) Roma, 1934, 1: 579-86.—**Verrall, P. J.** Operations on joints. In Mod. Oper. Surg. (Turner, G. C.) Lond., 1934, 1: 82-124.

Surgery: Anesthesia.

Hayek, W. von. Längerdauernde Anästhesie von Gelenken. Zbl. Chir., 1936, 63: 499-501.—**Rietz.** Anesthésie intra-articulaire. P. verb. Congr. Soc. internat. chir., 1932, 9. Congr., 3: 870.—**Rosenak, S.** Bemerkung zur Arbeit: Langdauernde Anästhesie von Gelenken von W. von Hayek. Zbl. Chir., 1936, 63: 1173.

Surgery: Methods.

Abbott, L. C., & Gill, G. G. Surgical approaches to the epiphyseal cartilages of the knee and ankle joints. Arch. Surg., 1943, 46: 591-7.—**Albanese, A.** La causticazione ignea dei capi articolari privi di cartilagine. Arch. ortop., Milano, 1932, 48: 863-94.—**Ammenwerth, W.** Versuche über rasche und bleibende Ausfüllung von Oberflächendefekten an den freien Knorpelknochenenden der Gelenke. Arch. orthop. Unfallchir., 1931, 30: 435-47.—**Forrester-Brown, M.** Simplifications of technique in some joint operations. Proc. R. Soc. M., Lond., 1939-40, 33: Sect. Orthop., 149-57.—**Fuchs, J.** Die Streifenstechnik in der Praxis der Gelenkerkrankungen. Chirurg, 1928-29, 1: 633-43.—**Kirsch, R.** Die Spaneinpflanzung bei chronischen Arthritiden (ausser Tuberkulose). Erg. Chir. Orthop., 1939, 32: 227-60.—**Kreischer, P. H.** Incisions for approach to major joints. Surg. Clin. N. America, 1928, 8: 515-22.—**Magnuson, P. B.** Joint débridement: surgical treatment of certain types of arthritis. Surgery, 1941, 9: 295.—**Pacetto, G.** Chirurgia delle parti molli degli arti. In Man. chir. (Alessandri, R.) Roma 1934, 1: 113-42.—**Payr, E.** Schonende Technik bei Gelenkoperationen an Hand einiger Beispiele. Deut. Zschr. Chir., 1930, 227: 386-98. — Neuere und bewährte Methoden zur Erschliessung der Gelenke. Zbl. Chir., 1931, 58: 906-12.—**Smith-Petersen, M. N., Aufranc, O. E., & Larson, C. B.** Useful surgical procedures for rheumatoid arthritis involving joints of the upper extremity. Arch. Surg., 1943, 46: 764-70.

Surgery: Methods: Arthrodesis and arthrorhisis.

BRITAIN, H. A. Architectural principles in arthrodesis. 132p. 25½cm. Edinb., 1942.

Aberle von Horstenegg, W. Ueber Arthrosen. Verh. Verein. Orthop. Wiens (1937) 1938, 35-9 [Discussion] 50-3.—**Albee, F. H.** Extra-articular arthrodesis with autogenous bone graft. Surg. Gyn. Obst., 1926, 43: 393-5.—**Aschelev, O. N.** [Operation for arthrodesis in children] Ortop. travmat., 1935, 9: 48-53.—**Baumann, J.** Extraartikuläre Spanversteifung. Zbl. Chir., 1939, 66: 738.—**Belogorodsky, V. M.** [Arthrodesis of the joints; coupling of the knee and ankle-joints] Vest. khir., 1938, 55: 195-8.—**Bristow, W. R.** Arthrodesis. Proc. R. Soc. M., Lond., 1927-28, 21: Sect. Orthop., 1-7. Also Brit. J. Surg., 1927-28, 15: 401-13.—**Castillo Odona, I.** Resultado obtenido en una artrodesis de hombro. Rev. As. méd. argent., 1939, 53: 929.—**Diessl, F.** Resultate der Arthrodesenoperationen. Beitr. klin. Chir., 1931, 152: 487-94.—**Forrester-Brown, M.** Arthrodesis in young children. Proc. R. Soc. M., Lond., 1936-37, 30: 432-40.—**Goetz, A. G.** Arthrodesis. Rep. Wayne Co. M. Soc., 1933-34, 4: 99.—**Grigoriev, A. M.** [Regime of economy in arthrodesis and united fractures] Nov. khir. arkh., 1936, 35: 542-4.—**Hackenbroch, M.** Arthrodesis oder Arthrorrhise? Münch. med. Wschr., 1936, 83: 170.—**Hanák, F.** Zur Frage der Operationstechnik bei der paraartikulären Arthrodesis. Zbl. Chir., 1937, 64: 288-91.—**Hass.** Formgestaltung der Gelenkenden bei der Arthrodesis. Verh. Deut. orthop. Ges. (1927) 1928, 22. Kongr., 384-7.—**Hatt, R. N.** The central bone graft in joint arthrodesis. J. Bone Surg., 1940, 22: 393-402. Also Arch. Surg., 1943, 46: 664.—**Heberling, J. A.** Artificial ankylosis of joints. Pennsylvania M. J., 1935-36, 39: 848-52.—**Heilstad, A.** Apparatus for firm apposition of resectional

surfaces in intra-articular arthrodesis. Acta orthop. scand., 1940, 11: 190-8.—**Lange, F.** Zur Arthrodesenfrage. Deut. Zschr. Chir., 1931, 232: 4-11.—**Marottoli, O. R.** Tecnica de la artrorrisis posterior; con presentación de film. Relat. Congr. argent. cir., 1937, 9. Congr., 1029-34.—**Massart, R., & Vidal-Naquet, G.** Les arthrodeses par enchevêtrement trans-articulaire. Rev. gén. clin. théor., 1933, 47: 385-7.—**Reinhard, W.** Unsere Ergebnisse mit der Umdrehungsarthrodesis nach Schüller. Deut. Zschr. Chir., 1937, 249: 287-96.—**Robertson Lavalle, C.** Tratamiento por injertos de las gonitis, coxalgias y todas las osteoartritis tuberculosas. Crón. méd. quir. Habana, 1926, 52: 117-33.—**Rocher, H. L.** Arthrodesis mixte de la hanche gauche et arthrodesis tibio-tarsienne du pied gauche; résultat fonctionnel parfait. Bordeaux chir., 1934, 5: 288.—**Roeren, L.** Die Drehversteifung. Zschr. orthop. Chir., 1929, 52: 271-5.—**Schrick, Th.** Technik der Arthrodesen. Verh. Deut. orthop. Ges. (1935) 1936, 30. Kongr. 313-7.—**Seiffert, K.** Erfahrungen über die Arthrodesis. Beitr. klin. Chir., 1931, 152: 495-501.—**Topa, P.** [Observations on arthrodesis] România med., 1937, 15: 298-300.—**Tovaru, S., & Condesescu, M.** [Accidents in surgical ankylosis in osteo-articular tuberculosis] Rev. chir., Bucur., 1937, 40: 239-64.—**Vidal-Naquet, G.** Les arthrodeses par enchevêtrement trans-articulaire. Bull. Soc. chir. Paris, 1933, 25: 111-20.—**Weil, S.** Die Arthrodesis und Arthrorrhise. Erg. Chir. Orthop., 1931, 24: 385-539.

Surgery: Methods: Arthrotomy.

SILVA BASTOS, E. DA. *Nova técnica de artrotomia do Joelho. 105p. 27cm. S. Paulo, 1938.

König, F. Ueber Arthrotomie. Fortsch. Ther., 1927, 3: 781-3.—**Meyer-Wildisen, R.** Ueber die Nachbehandlung von Arthrotomien und Gelenk-Binnenverletzungen, speziell am Knie. Schweiz. med. Wschr., 1938, 68: 1297-9.—**Olsen, A.** [Aseptic arthrotomy; mobilization after operation] Hospitals-tidende 1926, 69: [Jydske med. selsk. forh.] 169-84.

Surgery: Methods: Resection.

ALBRECHT, J. *Ueber den Ausgang fungöser Gelenkentzündungen und die Bedeutung der Gelenkresection bei solchen [Zürich] 142p. 8°. Lpz., 1883.

Beaton, G. T. A case of excision of knee and elbow joints by Lord Lister; condition 40 years after. Brit. M. J., 1927, 1: 662, pl.—**Catterina, A., jr.** Le resezione delle articolazioni. Chir. org. movim., 1934, 20: 545-76. — Tecnica delle resezioni articolari. Arch. ital. chir., 1935, 39: 892. Also Zbl. Chir., 1935, 62: 2254-69.—**Chutro, P.** De consideraciones generales sobre resecciones articulares. In Lee, clin. quir., B. Air., 1938, 1: 71-82.—**Franz, C.** Zur Frage der Gelenkresection. Bull. War M., Lond., 1942-43, 3: 322-4 (Abstr.).—**Haas, S. L.** Growth disturbances following resection of joints. Arch. Surg., 1926, 13: 56-63.—**Kennedy, D.** Some cases of joint excision. Med. Press & Circ., Lond., 1905, n. ser., 79: 319-21.—**Tornatore, A.** Resezioni articolari post-traumatiche. Arch. Soc. ital. chir. (1926) 1927, 33: 759-63.

Surgery: Methods: Synovectomy.

Koch, K. F. [Synovectomy; its purpose and successful execution] Bratisl. lek. listy, 1935, 15: 311-9.—**Payr.** Zwei Fälle von Synovectomie. Med. Klin., Berl., 1927, 23: 1473.—**Swett, P. F.** The present status of synovectomy. Am. J. Surg., 1929, n. ser., 6: 807-10. — A review of synovectomy. J. Bone Surg., 1938, 20: 68-76.—**Wolcott, W. E.** Regeneration of the synovial membrane following typical synovectomy. Ibid., 1927, 9: 67-78.

Surgery, orthopedic.

See also Orthopedics.

Epstein, G. J., & Garibdzhanian, G. A. [Application of the Gorbunov-Leontiev apparatus for passive, slow movements in the joint] Sovet. khir., 1934, 6: 877-81.—**Gorbunoff, W. P.** Das Prinzip gleichmässig-langsamere Bewegungen kranker Gelenke und ihre Ausführung vermittelt eines Apparates. Arch. klin. Chir., 1931, 166: 332-44.—**Hickinson, L. M.** Anatomical considerations and technique in using occupations as exercise for orthopedic disabilities; hip, knee and ankle. Occup. Ther. Rehabil., 1934, 13: 30-4.—**MacAusland, W. R.** The brace of mechanical support in the treatment of bone and joint lesions. J. Health, Ann Arb., 1934, 5: 16.—**Pap, K.** [Apparatus promoting reformation of joints] Orv. hetil., 1941, 85: 150.—**Stotzer, E.** Der Kautschukdruckverband bei der Behandlung von Gelenkaffektionen. Schweiz. med. Wschr., 1934, 64: 797.—**Strohl.** Arthromoteur universel. Bull. Soc. nat. chir., Par., 1935, 61: 62.—**Sucha, W. L.** New and effective support for joints. Nebraska M. J., 1939, 24: 342-4.—**Woodruff, B. C.** Apparatus for the treatment of rheumatic and arthritic conditions. U. S. Patent Off., 1938, No. 2, 131,360.

Surgery, plastic.

See also other subheadings.

VOEGELI-ARYA. *Beitrag zur freien Gelenkplastik. 24p. 8°. Berl., E. 1927.

- Albee, F. H. The principles of arthroplasty. *J. Am. M. Ass.*, 1931, 96: 245-9. — Original features of arthroplasty of the hip and knee. *Ibid.*, 1933, 101: 1691-9. — The present status of arthroplasty. *N. York State J. M.*, 1939, 39: 2118-25. — Antonoli, G. Contributo clinico sulle plastiche articolari. *Minerva med.*, Tor., 1926, 6: 80-8. — Bier, A. Zur Geschichte der operativen Nearthrosen. *Deut. Zschr. Chir.*, 1931, 232: 1-3. — Calissano, G. Contributo sperimentale allo studio delle neartrosi. *Arch. ital. chir.*, 1929, 23: 221-5. — Campbell, W. C. The physiology of arthroplasty. *J. Bone Surg.*, 1931, 13: 223-45. — Carrell, W. B. Arthroplasty of the hip and knee. *Texas J. M.*, 1926-27, 22: 384-7. — Dainelli, M. Artroplastica con lembi aponevrotici fissati. *Chir. org. movim.*, 1929, 14: 555-72. — Eletzky, A. G. [Arthroplasty] *Vest. khir.*, 1926, 8: No. 22, 52-83. — Fitte, El injerto óseo en las artritis crónicas. *Bol. Acad. argent. cir.*, 1940, 24: 187. — Fohl, T. Weitere Versuche über die Transplantation der Knorpelfuge. *Arch. klin. Chir.*, 1929, 155: 232-43. — Giangrosso, G. Risultati sperimentali di plastiche con lamine di gomma, praticate in lesioni di articolazioni. *Boll. Soc. ital. biol. sper.*, 1938, 13: 930. — Plastiche con lamine di gomma in lesioni articolari sperimentali. *Ann. ital. chir.*, 1940, 19: 289-326. — Grzywa, N. Zur extraartikulären Arthroplastik bei latenter Infektion. *Zbl. Chir.*, 1932, 59: 2640-3. — Hass, H. Resultate der Keil- und Kegelgelenkplastik. *Verh. Deut. orthop. Ges.* (1927) 1928, 22. Kongr., 380-4. — Neue Gesichtspunkte zur Arthroplastik. *Ibid.* (1925) 1926, 20. Kongr., 251-5 [Discussion] 269-73. — Henderson, M. S. Arthroplasty of the elbow and of the knee; report of cases. *Proc. S. Mayo Clin.*, 1929, 4: 129. — Hey Groves, E. W. Arthroplasty. *Rapp. Congr. Soc. internat. chir.*, 1924, 6. Congr., 133-53. — Jaroschy, W., & Spira, E. Erfahrungen mit der Arthroplastik am Ellbogen- und Kniegelenk. *Med. Klin.*, Berl., 1937, 33: 265-8. — Kofmann, S. Bemerkungen zu der Mitteilung von Privatdozent Dr. Julius Haas: Neue Gesichtspunkte zur Arthroplastik. *Zbl. Chir.*, 1926, 53: 1125. — Krompecher, S., & Goertler, K. Die Grundlagen einer experimentellen Gelenkbildung. *Verh. Anat. Ges.* (1938) 1939, 46: 43-55. — Lehmann, K. Le coffrand employé comme matière à interposition dans les arthroplasties. *Acta orthop. scand.*, 1930, 1: 347-55. — Lenormant, C. L'arthroplastie degli arti. *Gazz. osp.*, 1926, 47: 679-81. Also *Presse méd.*, 1926, 34, 673-6. — Leriche, R. Discussion sur les arthroplasties. *Rapp. Congr. Soc. internat. chir.*, 1924, 6. Congr., 145-60. — MacAusland, W. R. Address on arthro-plasty. *Proc. Med. Surg. Sect. Am. Railw. Ass.*, 1927, 7. meet., 42-61. — The present status of arthroplasty. *Wisconsin M. J.*, 1935, 34: 95-100. — Maselli Campagna, V. La condrognesi nelle artroplastiche sperimentali con auto-innesto libero di fascia lata. *Clin. chir.*, Milano, 1938, 41: 831-48. — Massari, R. Réflexions sur les arthroplasties. *Bull. Soc. chir. Paris*, 1935, 27: 482-6. — May, H. The regeneration of joint transplants and intracapsular fragments. *Ann. Surg.*, 1942, 116: 297-310. — Meyer, A. W. Gelenktransplantation aus der Leiche (14 Monate lang funktionell belastungsfähig gebliebenes homioplastisches Kniegelenktransplantat) *Deut. Zschr. Chir.*, 1931, 232: 473-8. — Payr, E. Plastik an Kniegelenken. *Arch. klin. Chir.*, 1926, 142: 728-71 [Discussion] 132. — Petrov, A. A. [Autoplasty in excision of joints for malignant tumors] *Vest. khir.*, 1928, 14: 32-43. — Puky, P. [Arthroplasty] *Orv. hetil.*, 1940, 84: mell. 82. — Putti, V. Artroplastiche. *Rapp. Congr. Soc. internat. chir.*, 1924, 6. Congr., 233-65. — Vingt ans d'expérience d'arthroplastie. *Presse méd.*, 1934, 42: 1321-4. — Rehn, E. Zur Wiederherstellungschirurgie der Gelenke. *Arch. klin. Chir.*, 1934, 180: 395-400. — Samson, J. E. Quelques considérations sur l'arthroplastie. *Union méd. Canada*, 1934, 63: 637-60. — Santy, P. Les arthroplasties. *Rapp. Congr. Soc. internat. chir.*, 1924, 6. Congr., 107-31. — Schoofield, B. L. The present status of arthroplasty. *Texas J. M.*, 1926-27, 22: 382-4. — Sitenko, M. I. L'arthroplastie. *Acta med. URSS*, 1938, 1: 643-56. — Speed, J. S., & Smith, H. Arthroplasty: a review of the past 10 years. *Surg. Gyn. Obst.*, 1940, 70: Suppl., 224-30. — Stamm, T. T. The technique of arthroplasty. *Proc. R. Soc. M. Lond.*, 1941-42, 35: 221-4. — Wilmoth, C. L. Tunica vaginalis in arthroplasty of small joints. *J. Bone Surg.*, 1936, 18: 165-8. — Young, F. The use of autogenous rib cartilage grafts to repair surface defects in dog joints. *Surgery*, 1940, 7: 254-63.
- **Synovia.**
See also **Synovia.**
JACOB, D. *Ueber die Einwirkung der Synovialflüssigkeit auf den Knochen. 12p. 8°. Basel, 1936.
Achard, C., & Piettre, M. Sur la nuécine des liquides articulaires. *C. rend. Acad. sc.*, 1930, 191: 1412-4. — Cafori, F. A., & Pemberton, R. The chemical composition of synovial fluid in cases of joint effusion. *J. Biol. Chem.*, 1928, 76: 471-80. — Chesney, A. M., Kemp, J. E., & Baetjer, F. H. An experimental study of the synovial fluid of patients with arthritis and syphilis. *J. Clin. Invest.*, 1926-27, 3: 131-48. — Comroe, B. I. The synovial fluid. In his *Arthritis*, Phila., 1940, 48-55. — Forkner, C. E. The synovial fluid in health and disease with special reference to arthritis. *J. Lab. Clin. M.*, 1929-30, 15: 1187-214. — Shands, A. R., & Poston, M. A. Synovial fluid in chronic arthritis: bacteriology and cytology. *Arch. Int. M.*, 1928, 42: 675-702. — Key, J. A. Cytology of the synovial fluid of normal joints. *Anat. Rec.*, 1928, 40: 193-209, pl. — Nyström, G. An inquiry into the cytology of joint effusions as an aid to the diagnosis of diseases of the joints. *Acta chir. scand.*, 1936, 78: 210. — Ragan, C., & De Lamater, A. Hydrolysis of hyaluronic acid of human joint fluid in vivo. *Proc. Soc. Exp. Biol.*, N. Y., 1942, 50: 349-51. — Ropes, M. W., Bywaters, E. G. L., & Bauer, W. The cause of low synovial fluid glucose concentrations in joint disease. *J. Clin. Invest.*, 1942, 21: 639. — Serological examination of joint fluids. *Month. Bull. Emerg. Pub. Health Lab. Ser.*, Lond., 1943, 2: April, 36. — Takemura, K. Weiteres über die Gelenkflüssigkeit. *Jap. J. M. Sc.*, 1925-27, 1: Biochem. Tr., 153-9. — Tarantino, C. La reazione attuale dei liquidi articolari in varie forme di artropatie. *Arch. Soc. ital. chir.*, 1936, 42: 688-97.
- **Synovial membrane.**
See also **Bursa; Synovial membrane.**
Franceschini, P. Ricerche istologiche sulle articolazioni. *Arch. ital. anat.*, 1929, 27: 76-179, 2 pl. — Loreti, F. Il comportamento alla colorazione vitale e la struttura dello strato sinoviale articolare. *Monit. zool. ital.*, 1932-33, 43: Suppl., 134-8. Also *Arch. ital. anat.*, 1933-34, 31: 286-311, 3 pl. — Paitre, Dubau, R., & Sohler, R. La biopsie synoviale; sa valeur dans le diagnostic des arthropathies bacillaires à début insidieux et des arthrites (traumatiques) longuement immobilisées. *J. chir., Par.*, 1939, 54: 433-47. — Sigurdson, L. A. The structure and function of articular synovial membranes. *J. Bone Surg.*, 1930, 12: 603-39. — Weil, M. P., & Delarue, J. La biopsie de la synoviale; les enseignements que l'on peut en attendre dans l'étude des affections articulaires. *Ann. anat. path.*, Par., 1933, 10: 745-57. Also *Ter. arkh.*, 1934, 12: 216-22, 6 pl.
- **Synovial membrane: Absorption and permeability.**
Adkins, E. W. O., & Davies, D. V. Absorption from the joint cavity. *Q. J. Exp. Physiol.*, Lond., 1940, 30: 147-54. — Efkind, E. Die Aufsaugungsverhältnisse im Kniegelenk beim Kaninchen. *Acta orthop. scand.*, 1941, 12: 267-308. — Grant, J. C. B. Interarticular synovial folds. *Brit. J. Surg.*, 1930-31, 18: 636-40. — Herrmann, H., & Ruff, G. La inyección intrarticular de sulfamida como contribución al estudio del poder reabsorbente de la cavidad articular. *Prensa méd. argent.*, 1943, 30: 371-7. — Kasahara, K. Experimentelle Studien über die Resorption und die natürliche Immunität des Gelenkes. *Fukuoka acta med.*, 1928, 21: 63-6. — Müller, W., & Lauber, H. J. Experimentelle Untersuchungen über die Gelenkresorption unter verschiedenen physikalischen Bedingungen. *Beitr. klin. Chir.*, 1932, 155: 39-50. — Nakasima, S. Experimental and clinical studies in the resorption of colloidal substances from the joint cavity. *Jap. J. M. Sc.*, 1934-36, 4: Surg., 191. — Pacetto, G. La permeabilità delle pareti articolari (studio clinico e sperimentale). *Policlinico*, 1929, 36: sez. chir., 20-35. — Rynearson, E. H. Studies on the physiology of joints; the mechanism of absorption of various substances from the synovial cavity. *Proc. Mayo Clin.*, 1928, 3: 171-4. — Serzhinin, A. I. [Permeability of the normal joint] *Khirurgia, Moskva*, 1938, No. 2, 45-51. — Siber, O. Ueber die Entstehung und Bedeutung der Gelenkzotten. *Arch. klin. Chir.*, 1932, 170: 458-69. — Sinkawa, T. Experimental and clinical studies on absorption from diseased joints with uratin solution. *Nagoya J. M. Sc.*, 1939, 13: 107-73; 197-261. — Tani, S. Ueber die Resorption und Ausscheidung der Farbstoffe durch die Gelenkhöhle. *Jap. J. Gastroenter.*, 1935, 7: 690-701. — Vara López, R. Contribución al estudio de la fisiopatología articular. *Arch. med.*, Madrid, 1930, 33: 353-8.
- **Synovial membrane: Disease and tumor.**
TRÂN-QUANG-ĐÈ. *Les tumeurs à myélopoxes des synoviales articulaires. 128p. 8°. Par., 1935.
TURETTES, J. G. R. *Contribution à l'étude clinique et thérapeutique des synovites à grains risiformes des grandes articulations. 71p. 25cm. Bord., 1938.
Baker, W. M. The formation of abnormal synovial cysts in connection with the joints, second communication (1885) *Med. Classics*, 1940-41, 5: 805-20. — Becker, R. Beitrag zur chronisch destruierenden Synovitis. *Beitr. klin. Chir.*, 1929, 146: 732-7. — Bogolyubov, V. K. kazuistické novobrazování sustavnhk kapsul. *Russk. chir. arch.*, 1905, 21: 268-72. — Brodie, B. C. Brodie's disease of joints; further observations on the diseases which affect the synovial membranes of joints; published in *Medical and surgical transactions*, London, 5, 239-54, 1814. *Med. Clas. res.*, 1937-38, 2: 919-28. — Cleghorn, G. Two cases of acute purulent synovitis (knee and ankle), treated by incision and washing out with peroxide of hydrogen; no drainage; recovery with perfect joints. *Tr. Intercolon. M. Congr. Australas.* (1892) 1893, 3: 274. — Coggeshall, H. C., Bennett, G. A. [et al.] Synovial fluid and synovial membrane abnormalities resulting from varying grades of systemic infection and edema. *Am. J. M. Sc.*, 1941, 202: 486-502. — Diez, J. El endotelioma sinovial articular. *Prensa méd. argent.*, 1931-32, 18: 487-500. — Hultén,

O., & Gellerstedt, N. Ueber Abnutzungsprodukte in Gelenken und ihre Resorption unter dem Bilde einer Synovitis detritica. *Acta chir. scand.*, 1940, 84: 1-29, 6 pl.—Kofmann, S. Ein Fall von seltener Lokalisation eines Gelenkganglions. *Zbl. Chir.*, 1930, 57: 3040.—Milch, H. Aspiration of joints in the treatment of synovitis; with report of cases. *Med. J. & Rec.*, 1928, 127: 405.—Moulin, F. de. [Separation of the synovial membranes] *Tsch. diergeneesk.*, 1927, 54: 803-17.—Pouyanne, L. Les synovites à grains riziformes des articulations. *Rev. orthop.*, 1939, 3. ser., 26: 305-12.—Sabrazes, J., Bideau, J., & Geyer, A. Production expérimentale d'arthrophytes d'origine synoviale chez le lapin à la suite d'injections intra-articulaires de 1-2 benzopyrène. *C. rend. Soc. biol.*, 1938, 127: 423.—Slocker, y La Rosa, E. Preparación de las sinoviales articulares. *C. rend. Congr. internat. méd.* (1904) 14. Congr., sect. anat., 154-7.—Talbot, A. Les tumeurs à myxolapaxes primitives des synoviales articulaires. *Rev. chir., Par.*, 1928, 66: 399-419.—Wagner, L. C. Intraarticular endothelial tumors arising from synovial membrane. *Ann. Surg.*, 1930, 92: 421-4.

Temperature.

Casuccio, C. Temperatura articolare e fattori climatici. *Arch. ital. chir.*, 1935, 41: 1007-9. Variazioni della temperatura articolare in rapporto a fattori ambientali. *Chir. org. movim.*, 1937-38, 23: 525-36.—Putti, V., & Casuccio, C. Saggi di termometria articolare. *Ibid.*, 1934-35, 19: 417-32.

Tumor.

See also other subheadings.

BRAUN, E. *Ueber zwei Fälle von intra-artikulären Tumoren. 29p. 8°. Erlangen, 1929.
ELBORG, R. *Ueber Gelenktumoren. 34p. 8°. Marb., 1934.

Brunschwig, A. Benign and malignant tumors of joints, tendon sheaths, tendons and bursae. In *Treat. Cancer* (Pack & Livingston) N. Y., 1940, 3: 2343-74.—Chiari, H. Die Geschwülste der Gelenke. In *Handb. spez. path. Anat.* (Lubarsch & Henke) 1934, 9: pt. 2. 75-106.—Comroe, B. I. Tumors of joints and tendon sheaths. In his *Arthritis*, Phila., 1940, 714-21.—De Santo, D. A. Joint tumors. *Internat. Congr. Campaign Cancer*, 1939, 3: Congr., 51.—Machado, C. Tumores articulares e juxta-articulares. *Porto med.*, 1904, 1: 336.—Matthæus. Ueber seltene Gelenktumoren. *Zbl. Chir.*, 1939, 66: 1013.—Razemon, P., & Bizard, G. Les tumeurs primitives des articulations. *Rev. chir., Par.*, 1931, 69: 229-66.—Rokhlin, D. G., & Ossinskaya, V. V. [Roentgen diagnosis of benign intra-articular tumors] *Vest. rentg.*, 1932, 11: 190-208.—Wiess, K. Ueber neoplastische Arthrosen. *Wien. klin. Wschr.*, 1932, 45: 454-7. Ueber die arthrogenen Neubildungen. *Arch. orthop. Unfallchir.*, 1932-33, 32: 107-29.

Joint Committee on Library Research Facilities for National Emergency.

See Cannon, C. L., ed. *Guide to library facilities for national defense*. Rev. ed. 448p. 28cm. Chic., 1941.

JOINT-ILL.

See also Arthritis—in animals; Cattle, Calf: Disease; Horse, Disease, neural; Pyemia; Shigella.

Blakemore, F. Joint-ill (polyarthritis) of lambs in East Anglia. *Vet. Rec.*, Lond., 1939, 51: 1207-18. Elliot, S. D., & Hart-Mercer, J. Studies on suppurative polyarthritis joint-ill, in lambs. *J. Path. Bact.*, Lond., 1941, 52: 57-83, 3 pl.—Kernkamp, H. C. H. Diseases of the joints of swine. *Vet. Med.*, Chic., 1937, 32: 108-11.—Mancinelli, Q. Un caso di onfalo-flebite pioemica aggravata da ematuria e tetania. *Nuovo ercolani*, 1909, 14: 214; 231.—Morgan, E. Maggots as an indirect cause of joint-ill in calves. *Vet. J.*, Lond., 1925, 81: 243-7.—Peggie, W. W. Observations on joint-ill prophylaxis. *Vet. Rec.*, Lond., 1918-19, 31: 164.—Snyder, E. M. Eberthella viscosa (Bact. viscosum equi): etiological factor in joint-ill. *J. Am. Vet. M. Ass.*, 1924-25, 66: 481-6.

equine [Fohlenlähme]

VATH, J. G. *Die Fohlenlähme; ihre Entstehung, Heilung und Verhütung [Bern] 77p. 8°. Hannover, 1909.

Adersen, V. Untersuchungen über die Fohlenlähme. *Mhefte prakt. Tierh.*, 1920, 31: 502-45.—Benesch, F. Zur intravenösen und subkutanen Mutterblutbehandlung beim Fohlen [Fohlenlähmerophylaxe] *Wien. tierärztl. Mschr.*, 1938, 25: 238-40.—Bernhardt. Schützimpfung der Fohlen gegen Fohlenlähme. *Berl. tierärztl. Wschr.*, 1924, 40: 129.—Bossler, H. Zur Diagnose und Behandlung der Fohlenlähme in der Praxis. *Münch. tierärztl. Wschr.*, 1935, 86: 205.—Coisen, L. J. Lähme bei Füllen. *Berl. tierärztl. Wschr.*, 1919, 35: 237-9.—Forscell. Ueber Behandlung von Fohlenlähme mit dem Blute der Mutterstute. *Deut. tierärztl. Wschr.*, 1920, 28: 273.—Kalchschmidt, G. Zur Bekämpfung der Fohlenlähme. *Ibid.*, 1924, 32: 614.—Meyer, O. Ein Beitrag zur

Behandlung der Fohlenlähme. *Ibid.*, 1920, 28: 49-51. — Ueber Fohlenlähme. *Ibid.*, 394.—Mitrowsch, G. Zur Aetiologie der Fohlenlähme. *Berl. tierärztl. Wschr.*, 1908, 649-53.—Reinhardt, R. Beitrag zur Aetiologie der Fohlenlähme. *Mhefte prakt. Tierh.*, 1921, 32: 154-65.—Schubert, F. Versuche zur Bekämpfung der Fohlenlähme mit intravenösen Trypaflavininjektionen. *Wien. tierärztl. Mschr.*, 1938, 25: 133-43.—Schustereit. Neuere Beobachtungen auf dem Gebiete der Fohlenlähme. *Deut. tierärztl. Wschr.*, 1937, 45: 493-8.—Schwerdtfeger. Infektionsweg und Ursache der Fohlenlähme; Gedanken und Erfahrungen aus einer fast 50jährigen Praxis. *Berl. tierärztl. Wschr.*, 1941, 52. Thurner, K. Ueber die Bekämpfung der Fohlenlähme durch Impfungen. *Deut. tierärztl. Wschr.*, 1924, 32: 614. Also *Fortsch. Med.*, 1924, 42: 676-8.—Troitsky, A. V. [Epizootological peculiarities of infectious joint-disease in colts in breeding conditions in the steppes] *Sovet. vet.*, 1940, 17: 16-9.—Wagner, H. Einiges zur Fohlenlähme. *Berl. tierärztl. Wschr.*, 1935, 51: 257-9.—Weichselsdorfer. Die Fohlenlähmebehandlung in der Praxis. *Münch. tierärztl. Wschr.*, 1936, 87: 329.—Wildfeuer. Fohlenlähme und deren Bekämpfung. *Ibid.*, 1934, 85: 137-40.

JOKA, Theodor, 1906—*Ueber die Wirkung kreislaufwirksamer körpereigener Stoffe auf die Diurese [Münster] 16p. 8°. Werne-Lippe, F. Grube, 1935.

JOKAI, Mór, 1825-1904.

Stekel, W. Ein Traum von Maurus Jókai. In his *Fortsch. & Techn. Traumdeut.*, Wien, 1933, 291.

JOKE.

See Humor; Wit.

JOKEL, Isaac, 1910—*Contribution à l'étude du scorbut sporadique chez l'adulte. 42p. 25cm. Par., J. Gamber, 1938.

JOKIVARTIO, Erkki. Ether-soluble plasma phosphatides in schizophrenia. 98p. 24½cm. Kbh., E. Munksgaard, 1939.

Forms Suppl. 21, Acta psychiat. neur.

JOKL, Alexander, 1895—*Vergleichende Untersuchungen über den Bau und die Entwicklung des Glaskörpers und seiner Inhaltsgebilde bei Wirbeltieren und beim Menschen. 249p. 44 pl. 4°. Upps., Almqvist & Wiksells 1927.

JOKL, Ernst, 1907—*Ueber Beeinflussung der immunbiologischen Normalstruktur des menschlichen Serums durch Körperarbeit; das Verhalten der hämolytischen Kraft des aktiven Serums sowie des Normalhämoglobinboceptors im inaktivierten Serum [Breslau] p.460-71. 8°. Berl., J. Springer, 1930.

Also *Zschr. ges. Neur. Psychiat.*, 1930, 129:

— The medical aspect of boxing. 251p. illust. pl. diagr. 21½cm. Pretoria, J. L. Van Schaik, 1941.

See also Cluver, E. H., & Jokl, E. Research in physical education. p.198-277. 24½cm. Johannesburg, 1942.

— CLUVER, E. H. [et al.] Training and efficiency. 188p. tab. pl. diagr. 26½cm. Johannesburg., South African Institute for Medical Research, 1941.

JOLAS, Raymond, 1911—*Contribution à l'étude de la névrose obsessionnelle; son évolution. 207p. 25cm. Lyon, Impr. des facultés, 1937.

JOLICOEUR, Jean, 1908—*Contribution à l'étude des formes hématuriques de la tuberculose rénale. 116p. 8°. Par., Vigot fr., 1933.

JOLIDON, Henri [M. D., 1932, Strasbourg] *L'alimentation en eau potable dans le pays de Montbéliard [Strasbourg] 142p. 2 pl. ch. 8°. Lons-le-Saunier, M. Declume, 1932

JOLIOT, Frédéric, 1900—

For portrait see *Acta Unio internat. cancr.*, Par., 1939, 4: 103. Also *Hist. Chem.* (Moore, F. J.) 3. ed., N. Y., 1939, 354.

JOLIOT-CURIE, Irène, 1897—

For portrait see *Acta Unio internat. cancr.*, Par., 1939, 4: 101.

JOLIVET, Marguerite, 1909—*La prévention des infections dans les collectivités de

nourrissons et en particulier à l'Hospice des Enfants-assistés. 79p. 8°. Par., J. B. Baillière & fils, 1938.

JOLL, Cecil Augustus, 1885- Diseases of the thyroid gland with special reference to thyrotoxicosis. xviii, 682p. pl. 8°. Lond., W. Heinemann, 1932.

See also **Cunning, J. & Joll, C. A.** Aids to surgery. 4. ed. 420p. 16°. Lond., 1919.

— & **LEDLIE, Reginald, C. B.** Aids to surgery. 6. ed. x, 612p. illust. 16°. Lond., Baillière, Tindall & Cox, 1935. Also 7. ed. xi, 654p. 16½cm. 1942.

JOLLES, Adolf, 1863- Die Nahrungs- und Genussmittel und ihre Beurteilung. 2. Aufl. xv, 463p. 8°. Lpz., F. Deuticke, 1926.

JOLLES, Germain, 1884- *Réaction de remplissage; étude d'une réaction thermique spéciale de réinsufflation au cours du pneumothorax artificiel. 51p. 8°. Par., Jouve & cie, 1931.

JOLLOS, Victor, 1887-1941. Editor of *Prowazek, S. von. Taschenbuch der mikroskopischen Technik*. 3. Aufl. 96p. 12° Lpz., 1922.

Brink, R. A. Obituary. *Science*, 1941, 94: 270-2.

JOLLY, Carlos H. [M. D., 1939, B. Aires] *Consideraciones sobre patogenia y tratamiento de las epiforas y dacriocistitis. 76p. illust. tab. 27cm. B. Air. [Impr. A. López] 1939.

JOLLY, Douglas Waddell [B. S., 1930, N. Zeal.] Field surgery in total war. xiv, 242p. illust. pl. 19cm. Lond., H. Hamilton, 1940.

JOLLY, Ellen Ryan. Nuns of the battlefield. ix, 336p. illust. 8°. [Providence, Providence visitor pr., 1927]

JOLLY, Jean D. Operating room procedures for nurses. 147p. illust. 12°. Lond., Faber & Faber, 1936. Also another ed. 153p. 18½cm. 1941.

JOLLY, Justin [Marie Jules] 1870- Sang; propriétés générales et morphologie. p.1-59. 8°. Par., Masson & cie, 1934.

In *Traité physiol. norm. path.* (Roger & Binet) 2. éd., 1934, 7.

See also **Milian, G.** Biographie. *Paris méd.*, 1939, 114: 97, portr.

JOLLY, Pierre, 1910- *Contribution à l'étude de l'ostéopathie hypertrophique (syndrome de Cadiot et Ball) chez les carnivores domestiques [Vet.]. 87p. 8°. Lyon, Bosc fr., 1937.

JOLLY, William A., 1878-1939.

For obituary see *Brit. M. J.*, 1939, 2: 373. Also *Nature*, Lond., 1939, 144: 143.

For portrait see *S. Afr. J. M. Sc.*, 1939, 4: front.

JOLLY body.

See *Erythrocyte* subheadings (Inclusions; Nuclear remnants)

JOLOWICZ, Ernst [M. D., 1907, Leipzig] Suggestion therapy [and] Hypnosis and hypnotherapy by Gustav Heyer; transl. by Arnold Eiloart. 237p. 12°. Lond., C. W. Daniel co. [1931]

— *Praktische Psychotherapie*. 242p. 8°. Zür., M. Niehans [1935]

JOLTRAIN, Edouard, 1879- Les urticaires; crises hémoclasiques; avec biographie du prof. Fernand Vidal. lv, 417p. pl. 12°. Par., G. Doin & cie, 1930.

— & **BAUFLE, P.** L'examen clinique des intestinaux; entéritiques et faux entéritiques; notes de séméiologie pratique. 88p. 12°. Par., A. Maloine & fils, 1919.

JOLY, Francis, 1911- *Contribution à l'étude de la syphilis dans la ville de Rennes [Paris] 57p. 8°. Rennes, Imp. Prov. Ouest, 1937.

JOLY, François, 1902- *Les épanchements pleuraux des cardiaques. 190p. 8°. Par., M. Vigné, 1935.

See also **Flandin, C., Bernard, J., & Joly, F.** L'intoxication par les somnifères. 116p. 8°. Par., 1934.

JOLY, Henry, 1905- *La collapsothérapie hypotensive appliquée au traitement médico-chirurgical de la tuberculose pulmonaire. 314p. 8°. Par., G. Doin & cie, 1936.

JOLY, Jean, 1911- *Traitement des cavernes du lobe inférieur [Paris] 63p. 24cm. Tours, Arrault, 1939.

JOLY, John Swift [M. D., Dublin, 1902] Stone and calculus disease of the urinary organs. xviii, 568p. 8°. 4 pl. Lond., W. Heinemann, 1929.

JOLY, Louis, 1911- *Contribution à l'étude des kystes aériens du poumon chez l'adulte. 108p. 5 pl. 25cm. Lyon, E. Vitte, 1938.

JOLY, Magdeleine. *Contribution à l'étude de l'action de l'oxyde de magnésium sur les glucides [Pharm.]. 128p. tab. 25cm. Par., Vigot fr., 1936.

JOLY, Maurice, 1902- *De l'ouverture spontanée dans la vessie des salpingites suppurées et de son traitement. 75p. 8°. Par., Jouve & cie, 1926.

JOLY, Max, 1907- *Réflexions à propos des bandages herniaires et plus particulièrement du bandage inguinal. 66p. 5 diag. 8°. Par., Jouve & cie, 1933.

JOLY, Paul, 1874-1935. Gardette, V. *Néerologie*. *Presse therm. clim.*, Par., 1935, 76: 105, portr.—*Néerologie*. *Bull. Soc. méd. Paris*, 1936, 16.

JOLY, Pierre, 1912- *Contribution à l'étude du traitement local des brûlures par le tannin. 63p. 24½cm. Par., Vigot fr., 1939.

JOLYET, Félix, -1922.

Sellier, J. *Néerologie, et notice sur les principaux travaux scientifiques de M. le professeur Félix Jolyet*. *Bull. Sta. biol. Arcaehon*, 1923, 20: 5-7.

JOMAIN, Jean, 1905- *L'uréthrographie. 79p. 8°. 13 pl. 8°. Par., E. Le François, 1936.

JOMIER, François, 1917- *Contribution à l'étude des méningites typhiques aiguës microbiennes [Paris] 24p. 25cm. Vanves, Francisc. Miss., 1939.

JOMIER, Monique Marie, 1908-

See *Hyon, Monique Marie née Jomier*.

JOMINI, Edmond Charles F. *Contribution à l'étude expérimentale du vaccin de Goldenberg dans la pyorrhée alvéolaire [Genève] 22p. 8°. Zür., Imp. Berichthaus., 1924.

For portrait see *Méd. dent. Canton Vaud (O. Lazar)* Genève, 1938, 42.

JOMINI, Pierre. For portrait see *Corps méd. Vaudois (O. Lazar)* Genève, 1937, 16.

JONA, Judah Leon [M. D., 1913, Melbourne] Kidney pain; its causation and treatment. vii, 94p. illust. 8°. Lond., J. & A. Churchill, 1937.

JONA, Moisé, 1830-1926. Giordano, D. *Necrologio*. *Riv. stor. sc. med.*, 1926, 17: 107.

JONARD, Karl, 1902- *De la cure des grandes cystocèles vaginales. 44p. 5 pl. 8°. Par., E. Le François, 1933.

JONAS, Adolf, 1903- *Ueber zwei Fälle von Stenose der Aorta an der Ansatzstelle des Ligamentum Botalli [Greifswald] 29p. 8°. Stettin, F. Hessenland [1928]

JONAS, Armin, 1909- *Die Aetiologie und Therapie der akuten Osteomyelitis am unteren Femurende. 63p. 8°. Kiel, W. Röhrs, 1933.

- JONAS, August Frederick, 1858-1934.**
[Biography] In Hist. Med. Nebraska (Tyler, A. F.) Omaha, 1928, 105, portr.—Long, F. A. Biography. Surg. Gyn. Obst., 1938, 66: 937-9, portr.
See also Brown, A. J. Memoir. Tr. Am. Surg. Ass., 1936, 54: 428-30, portr. Also Ann. Surg., 1936, 103: 478-80, portr.—Necrology. P. verb. Congr. Soc. internat. chir., 1936, 10. Congr., 1: 140.—Obituary. Nebraska M. J., 1934, 19: 469.
- JONAS, Charles.** A complete pronouncing dictionary of the English and Bohemian languages for general use. 3. ed. 723p. 16cm. [Chic., F. Pancner, 1941]
- JONAS, Charlotte** [geb. Winckler-Kraemer] 1891—*Dextrosebelastungskurven bei Verwandten von Diabetikern. 39p. 3 tab., 4 ch. 21cm. Berl., Neuland-Dr., 1936.
- JONAS, Elisabeth, 1906—***Ueber Desinfektion durch physiologische Chlorlösung. 11p. 8°. Borna-Lpz., R. Noske, 1934.
- JONAS, Else, 1909—***Veränderungen des Profilverlaufs und der Gesichtswerte nach orthodontischer Behandlung. 49p. 8°. Bonn, H. Trapp, 1937.
- JONAS, Ernst, 1872-1934.**
Goldstein, M. A. [Biography] Week. Bull. S. Louis M. Soc., 1934, 29: 70.—[Obituary] Tr. South. Surg. Ass., 1935, 47: 661, portr.
- JONAS, Helma.** *Quantitative Blutdiastasebestimmungen bei verschiedenen Erkrankungen. 32p. 8°. Bonn, A. Brand, 1935.
- JONAS, Johannes** [Julius Ferdinand] 1901—*Beitrag zur Klinik der Carcinomatose des Zentralnervensystems [Jena] 33p. 5 pl. 8°. Borna-Lpz., R. Noske, 1929.
- JONAS, Josef, 1903—***Koitus-Verletzungen und ihre Therapie. 29p. 8°. Lpz., E. M. Löffler, 1928.
- JONAS, Kurt, 1905—***Ueber die Einwirkung des Nebenschalls auf das Tongehör bei Schalleitungs- und Innenohr-Schwerhörigkeit. 12p. 8°. Heidelb., Dr. Kieler Ztg, 1930.
- JONAS, Leon, 1883—**
For portrait see Collection in Library.
- JONAS, Metha Helfritz, 1857-95.**
For biography see in Hist. Med. Nebraska (Tyler, A. F.) Omaha, 1928, 102.
- JONAS, Ottomar, 1885—**Zur Diagnose und Therapie der Kieferfrakturen. 52p. 8°. Lpz., G. Thieme, 1927.
Forms Heft 68, Deut. Zahnh.
- JONAS, Walter, 1901—***Zur Symptomatologie der Hebephrenie. 40p. 8°. Kiel, J. Asmussen, 1927.
- JONAS, Walter, 1903—***Die Bedeutung der fokalen Anfälle für die Lokaldiagnose im Gehirn. 59p. 8°. Bonn, H. Trapp, 1930.
- JONASSEN, Fredrick Julius Holst, 1866—**
Portrait. In Norges læger (Kobro, I.) Krist., 1915, 1: 614.
- JONASSON, Felix.** Suomen puolustusvoimat. 414p. illust. pl. 4°. Porvoo, W. Söderström [1930]
- JONATA, Roberto.** Anatomia dello scheletro umano fetale; morfogenesi, morfologia, anatomia radiografica e riferimenti medico-legali. xix, 285p. illust. tab. 27cm. Bologna, L. Cappelli [1938]
- JONCKER, Albert de, 1913—***Contribution à l'étude des luxations de l'os coxal. 73p. pl. 24cm. Lille, Impr. Douriez-Bataille, 1938.
- JONCQUIERT, Claude, 1914—***L'hipophagie; la viande de cheval et son inspection. 70p. 25½cm. Lyon, M. & L. Riou, 1939.
- JONDEAU, Bernard, 1894—***Du mécanisme de la syncope adrénalino-chloroformique; étude expérimentale et clinique. 83p. 4 ch. 8°. Par., A. Legrand, 1928.
- JONES, Alexander.** An oration delivered before the Central Medical Society of Georgia, at its annual meeting in Milledgeville, on 2d Dec. 1828 [The history of medicine in the Southern states, with a notice of the causes which have retarded its progress] 22p. 8°. Augusta, W. Lawson, 1829.
- JONES, Allen Arthur, 1864—**
For portrait see Nu Sigma Nu Bull., 1942, 31: 246.
- JONES, Anita M.** Manual for teaching midwives. viii, 139p. illust. 25cm. Wash., Gov. Print. Off., 1941.
Forms No. 260, Pub. U. S. Child. Bur.
- JONES, Anson, 1798-1858.**
Anson Jones, president of the Republic of Texas. Physicians' Times Mag., 1930, 2: 120; 133; 136.—Stuck, W. G. Dr Anson Jones, last Texas President. South. Surgeon, 1941, 10: 607-11, portr.
- JONES, Archie, 1890—**The electrochemical status of colloids found in the blood serum. 26p. 8°. [Dundee, Ill., n. p.] 1930.
- JONES, Arthur Bassett, 1870-1935.**
For obituary see Lancet, Lond., 1935, 1: 238.
- JONES, Arthur Curtis, 1887—**
For portrait see Northwest M., 1937, 36: 403.
- JONES, Austin B., 1891-1941.**
Griffith, A. C. [Obituary] Ann. Int. M., 1941-42, 15: 941.
- JONES, Barbara.**
See Lee, R. I., Jones, L. W., & Jones, B. The fundamentals of good medical care. 308p. 23½cm. Chic., 1933.
- JONES, Benjamin Franklin, 1901—**
- FLINN, Robert H. [et al.]** Fatigue and hours of service of interstate truck drivers. xxiii, 286p. 23½cm. Wash., Gov. Print. Off., 1941.
Forms No. 265, Pub. Health Bull., Wash.
- JONES, Bernard E.** How to make and operate moving pictures; a complete practical guide to the taking and projecting of cinematograph pictures. vi, 216p. 8°. N. Y., Funk & Wagnalls co., 1917.
- JONES, Bertrand L., 1878-1926.**
For obituary see J. Am. M. Ass., 1926, 87: 1319.
- JONES, Calvin, 1775-1846.** Treatise on the scarlatina anginosa. vi, 23p. 8°. Catskill, M. Crosswell & co., 1794.
- JONES, Charles Hampson, 1858-1932.**
[Biography] Proc. Conf. Health Author. N. America, 1931, 46: 186.—Unveiling (The) of the memorial portrait of Dr C. Hampson Jones, Baltimore, May 27, 1933. Baltimore Health News, 1933, 10: 51-63, portr.
For obituary see Baltimore Health News, 1932, 9: 34. Also Bull. School M. Univ. Maryland, 1932, 17: 19.
- JONES, Charles Luther, 1898—**
See Quinn, E. L., & Jones, C. L. Carbon dioxide. 294p. 8°. N. Y., 1936.
- JONES, Chester Morse, 1891—**Digestive tract pain; diagnosis and treatment, experimental observations. xi, 152p. illust. pl. 8°. N. Y., Macmillan co., 1938.
See also White, B. V., Cobb, S., & Jones, C. M. Mucous colitis. 103p. 26cm. Wash., 1939.
For portrait see Med. Rec., Houston, 1942, 36: opp. p. 423.
- JONES, Clement Russell, 1871—**
For portrait see in Am. Coll. Physicians (Morgan, W. G.) Phila., 1940, 40.
- JONES, Clifford Buckman, 1886—**
For portrait see in Thirty Years After (Musser, J. H.) N. Orleans, 1938, 37.
- JONES, Daniel Fiske, 1868-1937.**
Allen, A. W. Obituary. Tr. South. Surg. Ass., 1937, 50: 427-9, portr. Also Ann. Surg., 1938, 107: 1037-9, portr.—Gibson, J. H. Obituary. Tr. Am. Surg. Ass., 1938, 56: 459-61, portr.—Obituary. J. Am. M. Ass., 1937, 109: 1058. Also Tr. N. England Surg. Soc., 1937, 20: 217-20.—Rosser, C. Obituary. Tr. Am. Proct. Soc., 1938, 39: 10, portr.
- JONES, Daniel Sexton, 1822-93.**
For biography see in First Century (Philadelphia Coll. Pharm.) Phila., 1922, 377, portr.
- JONES, David, 1824—**On diseases of the bladder and prostate, and obscure affections of

the urinary organs. 5. ed. 200p. 8°. Lond., Simpkin, Marshall & co., 1883.

JONES, David Hughes, 1874-

Biography. In *Hist. N. York Polyclinic* (W. M. Hartshorn) 1942, 195, portr.

JONES, De Witt Clinton, 1868-1937.

For obituary see *Minnesota M.*, 1938, 21: 203.

JONES, Dorsey Dee, 1898-

Edwin Chadwick and the early public health movement in England. 160p. 8°. Iowa City, Univ. Iowa [1931]

JONES, Dudley William Carmalt, 1874-

Elementary medicine in terms of physiology; an introduction to clinical work. vii, 364p. 8°. Lond., H. K. Lewis & co., 1929.

Also editor of *Dunedin, N. Zealand. Univ. of Otago Medical School. Proceedings.* 2v. 8°. Dunedin, N. Z., 1930-36. See also *An appreciation.* N. Zealand M. J., 1939, 38: 376-80, portr.

JONES, Edith Kathleen, 1868- Hospital libraries. xiii, 208p. illust. diagr. form. pl. 21cm. Chic., Am. Libr. Ass., 1939.

JONES, Eli G. Definite medication; containing therapeutic facts gleaned from 50 years' practice. 55p. 8°. Wash., Author, 1932.

JONES, Elmer T.

See *Painter, R. H., Jones, E. T.* [et al.] *Transference of Hessian fly resistance and other characteristics of Marquillo spring wheat to winter wheat.* 55p. 8°. Topeka, 1940.

JONES, Ernest, 1879- Therapie der Neurosen. 175p. 8°. Lpz., Ges. Graph. Industrie, 1921.

— On the nightmare. 374p. pl. 8°. Lond., Hogarth pr., 1931.

For *Festschrift* see *Internat. Zschr. Psychoanal.*, Wien, 1929, 15:

Bibliography of the scientific publications of Ernest Jones. M. D. *Internat. J. Psychoanal.*, Lond., 1939, 20: 493-6, portr.—**Freud, S.** [Biography] *Internat. Zschr. Psychoanal.*, Wien, 1929, 15: 147.

For portrait see in *Hist. Med. Psychol.* (Zilboorg, G.) N. Y., 1941, opp. 472.

JONES, Ernest Lloyd, 1862-1942.

For obituary see *Brit. M. J.*, 1942, 2: 412.

JONES, Everett Foster, 1885-1940.

Stuck, W. G. Obituary. *South. Surgeon*, 1940, 9: 692, portr.

JONES, Frederic Wood, 1879- Man's place among the mammals. xi, 372p. 160 illust. 12 pl. 8°. N. Y., Longmans, Green & co., 1929.

— Measurements and landmarks in physical anthropology. 67p. 8°. Honolulu, Bernice P. Bishop Museum, 1929.

Forms Bull. 63 of Bernice P. Bishop Museum.

— Life and living. ix, 268p. 22½cm. Lond., K. Paul, Trench, Trubner & co. [1939]

— The principles of anatomy as seen in the hand. 2. ed. x, 418p. illust. 24cm. Balt., Williams & Wilkins co., 1942.

— & **PORTEUS, Stanley D.** The matrix of the mind. viii, 424p. illust. 8°. Lond., E. Arnold & co., 1929.

JONES, Frederick Homer, 1889-

For biography see *Mississippi Doctor*, 1941-42, 19: 459, portr.

JONES, George, 1860-

See *Smith, F. J.* London Hospital lectures on forensic medicine and toxicology. 3. ed. 460p. 16°. Lond., 1929.

JONES, George William, BERGER, L. B., & HOLBROOK, W. F. Carbon monoxide hazards from house heaters burning natural gas. 31p. 8°. Wash., Gov. Print. Off., 1917.

Forms No. 337, Tech. Pap. U. S. Bur. Mines.

JONES, George William, MILLER, W. E., & CAMPBELL, John. Ventilation of manholes; effect of vertical ducts in combination with openings in manhole covers on the natural ventilation. 7p. fig. 4° [Wash., n. p.] 1940.

JONES, Glenn Irving, 1883-1942. The value of studies in health and sanitation in war planning. 9 l. 4° [n. p.] 1933.

Typewritten.

For obituary see *J. Am. M. Ass.*, 1942, 120: 221.—**Phalen, J. M.** [Obituary] *Mil. Surgeon*, 1942, 91: 372.

JONES, Hamilton Polk, 1872-1926.

For obituary see *J. Am. M. Ass.*, 1926, 87: 2176.

JONES, Harold Ellis, 1894- & **CONRAD,**

H. S. The growth and decline of intelligence: a study of a homogeneous group between the ages of 10 and 60. p.223-98. 8°. Worcester, Clark Univ., 1933.

Forms No. 3, v.13, Genet. Psychol. Monog.

JONES, Harold Oakland, 1885-

For biography see *Rocky Mountain M. J.*, 1942, 39: 130, portr.

JONES, Harold Spencer, 1890- Life on other worlds. x, 299p. 17 pl. 21cm. N. Y., The Macmillan co., 1940.

JONES, Harold Wellington, 1877- Caricatures, especially medical caricatures. p.108-18. 8°. Menasha, Bull. M. Libr. Ass., 1943.

Repr. from *Bulletin of the Medical Library Association*, Menasha, 1943, 31:

— Charles Bell and the origin of his engravings of the arteries. p.371-80. 12 pl. portr. 8°. N. Y., Froben pr., 1937.

Forms No. 11 of v.44, *Medical Life*, Nov. 1937.

— Central and South American medical literature in the Army Medical Library. p.66-82. 8°. Wash., 1940.

Repr. from *Proc. Convent. Interamer. Bibliogr. Libr. Ass.*, 1940, 3, Convention.

— A consideration of the future relations of the medical libraries with our National Medical Library. p.36-45. 8°. Chic., Libr. Quart., 1941.

Repr. from *Library Quarterly*, Chic., 1941, 11:

— The days gone by; following rainbows 'round the world. p.76-85; p.172-81. 8°. Wash., Mil. Surg., 1932.

Repr. from *Military Surgeon*, 1932, 71:

— A doctor chases the Pulajanes. p.297-316. 8°. Wash., Mil. Surg., 1930.

Repr. from *Military Surgeon*, 1930, 67:

— Green fields and golden apples. 77p. 23½cm. Balt., J. D. Lucas co. [1942]

— A hospital inspector's diary; being an account of the journey of Tobias Watkins, Assistant Surgeon General, U. S. Army. p.210-35. 8°. Balt., Bull. Hist. M., 1939.

Repr. from *Bulletin of the History of Medicine*, 1939, 7:

— Medicine goes to war again. p.583-97. 8°. Wash., Mil. Surg., 1943.

Repr. from *Military Surgeon*, 1943, 92:

— A portrait gallery of physicians. p.517-32. 4°. N. Y., Ann. M. Hist., 1937.

Repr. from *Annals of Medical History*, 1937, 9:

— Some unpublished letters of Florence Nightingale. p.63-9. 8°. Wash., Mil. Surg., 1941.

Repr. from *Military Surgeon*, 1941, 88:

— Some features in the sanitation of army transports of the United States. p.405-9. 8°. Bombay, Med. Congr., 1910.

In *Tr. Bombay M. Congr.* (1909) 1910.

— The Surgeon General's Library and the romance of the Index-Catalogue. p.14-21. 4°. Chic., Hospitals, 1937.

Repr. from *Hospitals*, Chic., 1937, 11:

— A syllabus of lectures in orthopedic surgery. 33p. 23½cm. [S. Louis, Saint Louis Univ., 1904]

— The value of special collections in medical libraries. p.40-55. 8°. Menasha, Bull. M. Libr. Ass., 1941.

Repr. from Bulletin of the Medical Library Association, Menasha, 1941, 30.

Also editor of Hippke, E., Dowalzig, H. [et al.] Transportation of wounded by airplane. v. p. 27cm. Wash., 1940.

Also editor of International Congress of Military Medicine and Pharmacy: Transactions. 2v. Wash., Gov. Print. Off., 1939.

Also editor of Bulletin of the Medical Library Association, v. 30-31., No. 2, 1941-43.

[Biography] In Biogr. Encycl. World, 2. ed., N. Y., 1942, 220, portr.

JONES, Harry Clary, 1865- Electrical nature of matter and radioactivity. 2. ed. viii, 210p. 8°. N. Y., D. Van Nostrand & co., 1910.

JONES, Henry Edward [M. D., 1892, Glasgow] The life, growth and disintegration of cells, and the decomposition of water and organic material. 86p. illust. 8°. Glasgow, J. Smith & son [1935]

JONES, Henry Stuart, 1867-1939.

Editor of Liddell, H. G., & Scott, R. A. Greek-English lexicon. New ed. 2v. 30cm. Oxf., 1925-40.

JONES, Henry Wallace, 1888-, & **CHAMBERLAIN, E. Noble.** Electrocardiograms; an elementary atlas for students and practitioners. 51p. illust. pl. 23½cm. Bristol, J. Wright & sons, 1939.

JONES, Herbert, 1858-1929.

For obituary see Brit. M. J., 1929, 1: 886. Also Lancet, Lond., 1929, 1: 1007.

JONES, Herbert Fay Hempstead, 1897-

[Biography] Mississippi Doctor, 1941-42, 19: 460, portr.—President of the Mid-South postgraduate medical assembly. Ibid., 1939-40, 17: 501.

JONES, Hiram Arthur, 1899-

*The administration of health and physical education in New York State. 155p. 8°. N. Y., Columbia Univ., 1934.

JONES, Horry Matthew, 1885-

The cause of goiter. 241p. pl. diagr. 8°. Chic., Monograph pub. [1937]

JONES, Hugh Edward [M. D., 1886, Roy. Coll. Phys., Lond.] Practical points in eye surgery and dressing for nurses, house surgeons and general practitioners. 27p. 3 tab. 12°. Lond., J. Bale, sons & Danielsson, 1933.

JONES, Isaac Hampshur, 1881-

Flying vistas; the human being, as seen through the eyes of the flight surgeon. 252p. pl. portr. 8°. Phila., J. B. Lippincott co. [1937]

JONES, J. L.

See Flinn, R. H., Jones, J. L. [et al.] Soft coal miners—health and working environment. 118p. 23½cm. Wash., 1941.

JONES, John, 1729-91. Plain concise practical remarks on the treatment of wounds and fractures; to which is added a short appendix on camp and military hospitals; principally designed for the use of young military surgeons, in North America. viii, 92p. 8°. N. Y., John Holt, 1775.

Photostatic copy.

[Biography] Med. J. & Rec., 1927, 125: 198-201.—Hume, E. E. Surgeon John Jones, U. S. Army, father of American surgery and author of America's first surgical book. Am. J. Surg., 1943, 59: 145-58. Also Bull. Hist. M., 1943, 13: 10-32, portr.—Kiser, E. F. Some early American medical authors. J. Indiana M. Ass., 1942, 35: 99, portr.—Lobingier, A. S. Master surgeons of America, John Jones, 1729-91. Surg. Gyn. Obst., 1930, 51: 740-3, portr.

JONES, John Paul, 1747-92.

Hollingsworth, I. P. P. Review of the autopsy reports on the body of Admiral John Paul Jones. Med. World, 1935, 53: 305.

JONES, John Paul, 1897- A physiological study of dormancy in vetch seed. 50p. 8°. Ithaca, N. Y., 1928.

Forms No. 120 of Mem. Cornell Univ. Agr. Exp. Sta.

JONES, Joseph, jr, 1833-95.

Krafka, J., jr. [Biography] J. M. Ass. Georgia, 1942, 31: 353-63, portr.

JONES, Lewis Webster.

See Lee, R. I., Jones, L. W., & Jones, B. The fundamentals of good medical care. 308p. 23½cm. Chic., 1933.

JONES, Llewellyn Wynn, 1879-

An introduction to theory and practice of psychology. x, 308p. illust. diagr. 8°. Lond., Macmillan & co., 1934.

JONES, Lloyd Meredith, 1900-

*A factorial analysis of ability in fundamental motor skills. 100p. 8°. N. Y., Columbia Univ., 1935.

JONES, Lyman Asa, 1865-

The need and value of health inspection work. 13p. 23½cm. Bost. [n. pub.] 1908.

JONES, Marvin Fisher, 1889-

For portrait see Med. Rec., Houston, 1941, 35: No. 10, insert.

JONES, Mary Cover, 1896-

, & **BURKS, Barbara Stoddard.** Personality development in childhood; a survey of problems, methods and experimental findings. vii, 205p. tab. diagr. 22½cm. Wash., Nat. Res. Council, 1936.

Forms No. 4, v.1 of Monogr. Soc. Res. Child Develop.

JONES, Myrna Frances, 1903-

Tape-worms of the genera Rhabdometra and Paruterina found in the quail and yellow-billed cuckoo. 8p. 8°. Wash., Gov. Print. Off., 1929.

JONES, Neville.

The stone age in Rhodesia; with foreword by Sir Arthur Keith. xiv, 120p. pl. 8°. Lond., Oxford Univ. pr., 1926.

JONES, Noble Wiley, 1876-

For portrait see in Am. Coll. Physicians (Morgan, W. G.) Phila., 1940, 153.

JONES, Noble Wymberley, 1732-1805.

Bassett, V. H. Biography. Bull. Georgia M. Soc., 1935-36, 1: 1; 29; 43.

JONES, Oliver P. Cytology of pathologic narrow cells with special reference to bone-marrow biopsies. p.2045-101. illust. pl. 8°. N. Y., P. B. Hoeber, 1938.

In Handb. Hemat. (Downey, H.) N. Y., 1938, 3:

JONES, Percy Lancelot, 1875-1941.

For obituary see J. Am. M. Ass., 1941, 117: 1998.—Phalen, J. M. Obituary. Mil. Surgeon, 1941, 89: 842.

JONES, Philip Harold, jr, 1896-

For portrait see Nu Sigma Nu Bull., 1940-41, 30: 260; 1942, 31: 295.

JONES, Raymond Julius. A comparative study of religious cult behavior among Negroes, with special reference to emotional group conditioning factors. v, 125p. 23½cm. Wash., Howard Univ., 1939.

Forms No. 2, v.2 of Stud. Social Sc. (Howard Univ.)

JONES, Sir Robert, 1858-1933, & **LOVETT, Robert, W.** Orthopedic surgery. 2. ed. xvi, 807p. 8°. N. Y., W. Wood & co., 1929.

See also Robert (The) Jones birthday volume. 434p. 8°. Lond., 1928. Also Watson, F. The life of Sir Robert Jones. 327p. 8°. Lond., 1934.

See also Blair-Bell, W. British masters of medicine: Robert Jones. Med. Press & Circ., Dub., 1935, 191: 4-10, portr. Also in Brit. Masters of Med. (Power, D'A.) Balt., 1936, 176-93, portr.—Lynn-Thomas, J. Robert Jones, an appreciation. In Robert Jones Birthday Vol., Oxf., 1928, 423.

Böhm, M. Nekrolog. Arch. orthop. Unfallchir., 1933, 33: 175.—Henderson, M. S. [Obituary] Surg. Gyn. Obst., 1933, 57: 120-2, portr.—Holland, C. T. [Obituary] Brit. J. Radiol., 1933, 6: 116.—Janse, M. Nekrolog. Zschr. orthop. Chir., 1933, 59: 337-44.—McMurray, T. P. Sir Robert Jones. Liverpool Med. Chir. J., 1933, 41: 11-7, portr.—Obituary. Brit. M. J., 1933, 1: 170; 286.—Robert Jones. Med. J. Australia, 1934, 2: 55.—Turner, G. Nekrolog. P. verb. Congr. Soc. internat. chir., 1936, 10. Congr., 1: 177-80.

For portrait see Tr. N. England Surg. Soc., 1933, 16: frontispiece.

JONES, Robert Randolph, jr, 1902-41.

Gardner, C. E., jr. [Obituary] South. M. & S., 1942, 104: 357.—Obituary. J. Am. M. Ass., 1941, 117: 2268.

JONES, Roy Richard, 1877-1939.

For obituary see J. Am. M. Ass., 1939, 113: 957.

JONES, Sam Houston, 1897-

For portrait see N. Orleans M. & S. J., 1942-43, 95: 483.

- JONES, Solomon, 1756-1822.**
Pierce, L. Doctor Solomon Jones, United Empire loyalist. *Canad. Lancet Pract.*, 1929, 73: 127-35.
- JONES, Stephen George, 1893-**
For biography see in *Biogr. Encycl. World*, 2. ed., N. Y., 1942, 221.
- JONES, Sydney, 1831-1913.**
For biography see *Cat. Portr. R. Coll. Surgeons, Lond.*, 1930, 39.
- JONES, T. John Bull and his new doctor.**
Colored print. London, S. W. Fores, 1829.
- JONES, Theodore Francis, 1885-**
New York University, 1832: 1932. xiv, 459p. pl. portr. map. 8°. N. Y., New York Univ. pr., 1933.
- JONES, Theresa Dower, 1900-**
The development of certain motor skills and play activities in young children; a genetic study of the motor development of preschool children as revealed by their use of wheel play materials. xiv, 180p. tab. diagr. 23½cm. N. Y., Teachers coll. Columbia Univ., 1939.
- JONES, Thomas David, 1879-1941.**
For obituary see *J. Am. M. Ass.*, 1941, 117: 309.
- JONES, Thomas Elsa, 1888-**
*Mountain folk of Japan; a study in method. 132p. 8°. N. Y., Columbia Univ., 1926.
- JONES, Thomas Henry, 1885-**
Detailing the physician; sales promotion by personal contact with the medical and allied professions. 214p. 22cm. N. Y., Romaine Pierson pub. [1940]
- JONES, Tom.** Four anatomical studies of the digestive tract. 6 l. pl. 23x30½cm. [Chic.] G. D. Searle & co. [1942]
Also illustrator of Camp, S. H. & co. *Anatomical studies* [6. ed.] 95p. 8°. Jackson, Mich. [1935] Also Culbertson, C. *Surgery of the female pelvis*. 388p. 8°. N. Y., 1931.
- JONES, Vernon Augustus, 1897-**
*Effect of age and experience on tests of intelligence [Columbia Univ.] 75p. 8°. N. Y., J. J. Little & Ives co., 1926.
- JONES, W. F., & WHITE, A. H.** The pasteurization of milk, cream and dairy by-products. 22p. fig. 8°. Ottawa, 1926.
Forms No. 59, Bull. Canada Dep. Agr.
- JONES, Walter, 1865-1935.**
Clark, W. M. Obituary. *Science*, N. Y., 1935, 81: 307.
For portrait see in *Book of Portraits* (Ulmann, D.) Balt., 1922.
- JONES, Walter Colquitt, jr, 1896-**
For biography see *J. Florida M. Ass.*, 1940-41, 27: 623, portr.
For portrait see *Health Notes*, Jacksonville, 1942, 34: 4.
- JONES, William, 1871-1909.** *Ethnography of the Fox Indians*. ix, 156p. 8°. Wash., 1939.
Forms Bull. 125, Smithsonian. Inst. Bur. Am. Ethnol.
- JONES, William Alexander, 1859-1931.**
Hamilton, A. S. [Obituary] *Tr. Am. Neur. Ass.*, 1931, 57: 547-9.—Obituary. *J. Am. M. Ass.*, 1931, 96: 373.
- JONES, William Alfred, 1892-**
[Biografía] *Rev. radiol. fisioter.*, Chic., 1939, 6: 124, portr.
- JONES, William Howard, 1880-1935.**
For obituary see *Lancet*, Lond., 1935, 2: 278.
- JONES, Winnifred, 1896-**
See Raschke, G. V. N., Jones, W., & Brodman, E., comp. *Directory of biological sciences libraries in the Special Libraries Association*. 71p. 28cm. Newark, 1942.
- JONESCO, Constantin [M. D., Lausanne, 1933]** *La malaria en Roumanie. 64p. 8°. Lausanne, Imp. Commerciale, 1933.
- JONESCO, Constantin, 1903-**
*Les anémies Biermeriennes chez le vieillard; traitement. 52p. 8°. Par., Le François, 1935.
- JONESCO, Constantin N., 1912-**
*Oesophagoplastie dérivatrice préthoracique; procédés et oeophago-dermato-gastrostomie de Jean Jiano [Lausanne] 47p. 23cm. Bucarest, Bucovina, 1938.
- JONESCO-SISESTI, Nicoloy, 1892-**
Tumeurs médullaires associées à un processus syringomyélique. 294p. 24½cm. Par., Masson & cie, 1929.
See also Marinesco, G., Jonesco-Sisesti, N. [et al.] *Le tonus des muscles striés*. 357p. 24cm. Bucur., 1937.
- JONG, Abraham de, 1859-1929.**
Van Diermen [Obituary] *Tschr. diergeneesk.*, 1929, 56: 502.
- JONG, Adrianus de, 1877-1936.**
Weisfelt, W. A. [Obituary] *Ned. tschr. geneesk.*, 1936, 80: 2519, portr.
- JONG, H. de, & BARUK, H.** La catatonie expérimentale par la bulboecapnine; étude physiologique et clinique. 135p. 8°. Par., Masson & cie, 1930.
- JONG, I. de.** *Anatomie pathologique générale de la syphilis*. p.185-206. 8°. Par., Doin, 1931.
In *Traité de la syphilis* (Jeanselme, E.) 1931, 2:
- JONG, Jacobus Jan de [M. D., 1924, Leiden]**
*De bepaling van het haemoglobine-gehalte van het bloed en van het volumen der roode bloedlichaamjes in verband met de betekenis van den kleur-index. 82p. tab. 8°. Leiden, E. Ijdo, 1924.
- JONG, Jan Cornelis de.** *Een nieuwe micro-methode ter bepaling van bromium in organisch materiaal [Amsterdam] 101p. 8°. Purmerend, J. Muusses, 1936.
- JONG, Jan Hendrik de [M. D., 1925, Amsterdam]** *Acute pancreasnecrose. 207p. tab. 8°. Amst., Scheltema & Holkema, 1925.
- JONG, K. de, 1874-**
Reijs [40. anniversary of K. de Jong] *Geneesk. gids*, 1938, 16: 656.
- JONG, Louis de, 1914-**
Holland fights the Nazis. 138p. pl. 22cm. [Lond.] J. Drummond [1941]
- JONG, Samuel Israëls, 1878-1928.**
See *Précis de pathologie médicale*. 2. éd. Vol. 3: *Maladies de l'appareil respiratoire*. 747p. 8°. Par., 1931.
- Bernard, E.** [Nécrologie] *Sem. hôp.*, Par., 1928, 4: 33.—[Nécrologie] *Bull. Soc. méd. hôp. Paris*, 1928, 3. ser., 52: 1834-6.
- JONGE, Hanna de, 1910-**
*Zur Diagnose der Lungenaktinomykose [Freiburg] 11p. pl. 8°. Schramb, Gatzert & Hahn, 1935.
- JONGERYCK, Gérard, 1911-**
*A propos de la méthode temporisatrice dans le traitement de l'ostéomyélite aiguë des os longs. 88p. 23½cm. Par., Vigné, 1938.
- JONGH, Cornelis Laurens de [M. D., 1923, Leiden]** *De tijdsverhoudingen tusschen electro-en mechano-cardiogram. 77p. pl. 8°. Leiden, E. Ijdo, 1923.
- JONGH, Jan de [M. D., 1921, Amsterdam]**
*Experimenteel onderzoek naar het morceel oordeel [Amsterdam] 99p. tab. diagr. 22cm. Crefeld, M. Buscher, 1921.
- JONGH, Samuel Elzevier de.** *Bijdrage tot de pharmacologie van kaliumpermanganaat. 82p. tab. 8°. [Amst., n. p.] 1929.
- JONG-MARTIS, Wilhelmina de [M. D., 1937, Batavia]** *Congenitale syphilis bij inheemsche en Chinesche zuigelingen te Batavia. 234p. illust. tab. 24cm. Batavia, J. Kappee [1937]
- JONKHOFF, Andries Roelof [M. D., 1927, Groningen]** *De betekenis van atrophie en regeneratie voor het ontstaan van het experimenteele carcinoom. 89p. 2 tab. 8°. Groningen, Jan Haan, 1927.
- JONKOFF, Dragia, 1901-**
*Ueber einen Fall von monoamniotischen Zwillingen mit Insertio velamentosa funiculi umbilicalis [Heidelberg] 31p. 8°. Strass. [n. p.] 1926.
- JONKOW, Iwan, 1899-**
*Ueber das Verhalten der roten Blutkörperchen bei Vital-

färbung (ausgenommen die eigentlichen Blutkrankheiten) 35p. 8°. Münch., C. Wolf & Sohn, 1926.

JONKOW, Nestor, 1910– *Die häufigsten Lippengeschwülste aus dem Pathologischen Institut Rostock in den Jahren 1922–33. 19p. 8°. Rostock, C. Hinckel, 1933.

JONNARD, R. Refractométrie interférentielle et structure du sérum sanguin. 154p. tab. 24½cm. Par., Libr. Maloine, 1937.

JONOWSKI, Dischko Stojanoff, 1900– *Zum Typus inversus des Erythema exsudativum multiforme. 23p. 8°. Lpz., H. Arnold, 1934.

JONQUIERE, Georg. Testament eines alten Arztes; praktische Anleitung zu sicherer und angenehmer Verlangsamung des Alterns; Makrobiotik. 2. Aufl. 161p. 8°. Bern, E. Bircher, 1925.

JONQUIERES, Henry. Le clavier neuro-circulatoire à l'état normal et pathologique. xvi, 108p. illust. 8°. Par., G. Doin & cie [1933]

JONQUIL.

See Narcissus.

JONSKE, Erich, 1908– *Die Schwangerenberatung im Freistaat Danzig. 27p. 8°. Berl., Dr. Studentenwerk, 1932.

JONSSON, Eric [M. D., 1939, Stockholm] *Studien über experimentelle Arthritiden und Kardiitiden; ein Beitrag zur Frage der pathogenetischen Bedeutung endokriner Faktoren bei dem sogenannten Gelenkrheumatismus. 122p. 10 pl. 8°. Stockh., Sætherlund & Krook, 1939. Also Acta med. scand., 1939, Suppl. 100.

JONSTON, Johann, 1603–57. Bilikiewicz, T. Johann Jonston (1603–75) und seine Tätigkeit als Arzt. Sudhoffs Arch., 1930, 23: 357–81.

JONTOFSOHN, Kurt, 1904– *Versuche zur Züchtung von Tuberkelbazillen aus dem Blute bei Tuberkulösen [Berlin] p.35–41. 8°. Lpz., A. Barth, 1931. Also Zschr. Tuberk., 1931, 61:

JOOS, Elsa, 1897– *Nachuntersuchungen bei vor mehr als 10 Jahren wegen Lues behandelten Patienten; Resultate bei den weiblichen Patienten, die vom Juni 1916 bis Dezember 1918 in der Zürcher dermatologischen Klinik in Behandlung standen [Zürich] p.639–44. 8°. Berl., J. Springer [1929] Also Arch. Derm. Syph., Berl., 1929–30, 159:

JOOS, Erich, 1900– *Ueber die Kieferaktinomykose unter besonderer Berücksichtigung der Fälle von 1918–33 an der Heidelberger chirurgischen Klinik [Heidelberg] 30p. 8°. Münch., Salesian. Offizin, 1934.

JOOS, Georg, 1894– Editor of *Handwörterbuch der Naturwissenschaften*. 2. Aufl. 10v. 8°. Jena, 1931–35.

JOOS, Gustav, 1902– *Ueber das Ulcus pepticum des Oesophagus [Frankfurt] 39p. 8°. Baden, E. Koelblin, 1926.

JOOS, Reinhard, 1910– *Ueber Extraktionen der Linse in geschlossener Kapsel bei Cataracta complicata (1929–32) [Tübingen] 24p. 8°. Ludwigsburg, Ungeheuer & Ulmer, 1935.

JOOSS, Joseph, 1909– *Tabès et traumatisme. 58p. 24cm. Strasb., Impr. Alsacienne, 1934.

JOOSS, Oelaine Melpomène, 1909– *La protéose d'Oriel chez l'enfant dans les accidents sériques et les dermatoses allergiques. 80p. 8°. Par., E. Le François, 1937.

JOOSS, Theodor, 1908– *Ueber serologische Untersuchungen auf Syphilis an den

Insassen der Strafanstalten Kaisheim und Aichach [München] 11p. 8°. Würzb., R. Mayr, 1934.

JOPKE, Ingeborg, 1909– *Infektiöse Krankheiten der Haustiere als Berufskrankheiten von Tierärzten. 51p. 8°. Bresl., Gebr. Kruppke, 1934.

JÖPPICH, Gerhard, 1903– *Ueber retrograde Inhaltsverschiebungen im menschlichen Dickdarm [Breslau] 23p. 8°. [Lüben i. Schl., P. Kühn] 1931.

JOPSON, Harry Gorgas Michener, 1911– See Mittleman, M. B., & Jopson, H. G. M. A new salamander of the genus Gyrinophilus from the Southern Appalachians. 5p. pl. 24½cm. Wash., 1941.

JORDAN, Anton, 1907– *Zur Frage der Kümmelschen Krankheit. 28p. 8°. Erlangen, K. Döres, 1937.

JORDAN, Carl Fred, 1890–, & **VAUBEL, Ellis K.** Human serum for human ills. 15p. 22cm. Des Moines, Iowa, 1940. Forms v.54, No. 1, Iowa Pub. Health Bull.

JORDAN, Charles Bernard, 1878– Qualitative analysis for students of pharmacy and medicine. viii, 169p. 8°. N. Y., McGraw-Hill, 1928. Also 2. ed. with DeKay, H. G. xii, 178p. 1938.

JORDAN, David Starr, 1851– Dresslar, F. B. Biography. J. Tennessee Acad. Sc., 1930, 5: 150–6, portr.

For portrait see collection in Library. Also Month. Bull. Bd Health Indiana, 1943, 46: 59.

JORDAN, Edwin Oakes, 1866–1936. Report on typhoid fever in Winnipeg, Manitoba. 19p. pl. map. 8°. [Winnipeg, Manitoba] City Coune., 1905.

— Typhoid fever. 19p. 23cm. Helena, State Bd of Health, 1919.

Forms Spec. Bull. No. 14, Montana Dep. Health.

— Epidemic influenza; a survey. 599p. 8°. Chic., Am. M. Ass. [1927]

— A text-book of general bacteriology. 9. ed., rev. 778p. 8°. Phila., W. B. Saunders co., 1928. Also 10. ed. 819p. 1931. Also 11. ed. 825p. 1936. Also 12. ed. 808p. 1938. Also [with W. Burrows] 13. ed. xii, 731p. fold., 1941.

— Food poisoning and food-borne infection. xi, 286p. 8°. Chic., Univ. Chicago pr. [1931]

See also Hudson, N. P. Obituary. J. Bact., Balt., 1937, 33: 243–8, portr.—Obituary. J. Am. M. Ass., 1936, 107: 2051. Also Science, 1936, 84: 411–3.

— & **FALK, I. S., ed.** The newer knowledge of bacteriology and immunology, by eighty-two contributors. x, 1196p. 16 pl. 8°. Chic., Univ. Chicago pr., 1928.

JORDAN, Edwin Pratt, 1902– Editor of *American Medical Association. Standard nomenclature of disease and standard nomenclature of operations*. 3. ed. 1022p. 19½cm. Chic., 1942.

JORDAN, Furneaux, 1830–1911. Barling, G. [Biography] Birmingham M. Rev., 1936, 11: 313–5.

JORDAN, Gerhard, 1903– *Beitrag zur Anwendung der Blutgruppenbestimmung in Fällen strittiger Vaterschaft [Jena] 29p. 8°. Apolda, H. Blume, 1930.

JORDAN, H., MITCHELL, J. P., & HOPKINS, G. H. E. Tropical hygiene and sanitation; a course of study and reference book for sanitary inspectors in the tropics. xiv, 388p. illust. diagr. 17cm. Lond., Baillière, Tindall & Cox, 1939.

JORDAN, H. J., & BECK. Catalogue of the Parisian cabinet of wonders and anatomy. 24p. 18cm. N. Y., Barton & son, 1861.

— Catalogue of the New York Museum of Anatomy. 28p. 17cm. N. Y., Bloom & Smith [1866]

JORDAN, Harvey Ernest, 1878– A text-book of histology. xxviii, 857p. 8° N. Y., D. Appleton & co. [1927] Also 6. ed. xxvii, 738p. illust. diagr. [1934] Also 8. ed. ix, 690p. [1940]

— Comparative hematology. p.703–862. illust. pl. 8° N. Y., P. B. Hoeber, 1938.

In Handb. Hemat. (Downey, H.) N. Y., 1938, 2:

For biography see Sigma Xi Q., 1940, 28: 27, protr.

For portrait see Phi Chi Q., Menasha, 1939, 36: 159.

— & **KINDRED, James Ernest**. A text-book of embryology. xiv, 613p. illust. pl. 8° N. Y., D. Appleton & co., 1932. Also 3. ed. xiv, 613p. [1937] Also 4. ed. xiv, 613p. [1942]

JORDAN, Heinz, 1910– *Biologische Differenzierung der Eiweissstoffe der einzelnen Teile des Weizenkorns mit Hilfe der Methodik der Harnquotientenbestimmung. 16p. 22½cm. Berl., R. Pflau, 1936.

JORDAN [Heinz] Arwed Heinrich Wilhelm, 1909– *Zur Kombination von Pressporzellanmassen mit Metallstiften und Hohlfacetten nach Professor Schröder [Leipzig] 40p. 23cm. Plauen, A. Orbel, 1936.

JORDAN, Henry H., 1897– Orthopedic appliances; the principles and practice of brace construction for the use of orthopedic surgeons and braccemakers. xxii, 412p. illust. diagr. 24cm. N. Y., Oxford univ. pr. [1939]

— Workmen's compensation and the physician; a manual for the use of general practitioners and insurance carriers; with a discussion of traumatic neuroses [by] Paul H. Hoch. xi, 180p. incl. tab. 22cm. N. Y., Oxford univ. pr., 1941.

JORDAN, Henry J. [M. D., 1827, S. Barth. Hosp.] Practical treatise on the skin and its complicated diseases, blood poisoning and impurities. 103p. 32° N. Y., Author, 1888.

JORDAN, Henryk, 1842–1907.

For portrait see Collection in Library.

JORDAN, Hermann Jacques, 1877– Vergleichende Physiologie wirbelloser Tiere. 1. Bd: Die Ernährung. xxii, 738p. 4° Jena, G. Fischer, 1913.

— Allgemeine vergleichende Physiologie der Tiere. xxvii; 761p. 8° Berl., W. de Gruyter & co., 1929.

— & **HIRSCH, G. C.** Uebungen aus der vergleichenden Physiologie; Atmung, Verdauung, Blut, Stoffwechsel, Kreislauf, Nervensystem. viii, 272p. 8° Berl., J. Springer, 1927.

JORDAN, Hugo, 1909– *Entwicklungsgeschichtliche Studien über die Entstehung und Resorption der Zahnleiste [Würzburg] 32p. 8° Kirchheimbolanden, Thieme, 1935.

JORDAN, J. Eugene [M. D., 1888, Hahnemann Med. Coll.] Histogenetic system; the entire revolution of medicine; the story of its discovery and of its trial; together with an arraignment of the so-called medical science of to-day. 2. ed. 189p. 12° Chic., Hanscom print. co., 1888.

JORDAN, James W. [M. D., 1936, Buffalo] *Besnier-Boeck's disease—report of two extensive cases [Buffalo] 32 leaves. 4° Buff., N. Y., 1936. Typewritten.

JORDAN, [Johnson] H. Dr Gunn's [First] domestic physician and home book of health. v. p. 8° Chic., W. H. Moore & co., 1885.

JORDAN, Joseph, 1910– *Das chronische Magen- und Duodenalulkus unter topographisch-histologischen Gesichtspunkten. 26p. 22cm. Erlangen, M. Krahel, 1938.

JORDAN, L. The eradication of bovine tuberculosis. 104p. tab. ch. 8° Lond., H. M. Stat. Off., 1933.

JORDAN, Manfred, 1886– *Die radiikulären und follikulären Zysten der Milchzähne [Göttingen] 30p. 8° Einbeck, J. Schroedter, 1926.

JORDAN, Otto, 1903– *Ueber Avertinnarkose (1000 Fälle) 41p. 8° [Erlangen, n. p., 1929]

JORDAN, Rudolf Arthur, 1908– *Einige Fälle von Zahnmissbildungen aus der Entwicklungszeit. 26p. 8° Tüb., Tüb. Studentenwerk, 1933.

JORDAN, Sara Murray, 1884– For portrait see Kansas City M. J., 1941, 17: No. 10, 10. Also J. Am. M. Ass., 1942, 119: opp. 467.

JORDAN, Siegfried, 1903– *Zur Malaria-behandlung der tabischen Opticusatrophie. 32p. 8° Marburg, J. Hamel, 1929.

JORDAN, Tamás, 1539–85. De aquis medicatis Moraviae commentariolus. [14] 120p. [3] 8° Frankf. a. M., heirs of Andr. Wechel, 1586.

See also Magyary-Kossa, G. Zum Leben von Thomas Jordan, 1539–85. In Ius Ungar. med. Erinner., Bpest, 1935, 269–75.

JORDAN, Werner, 1906– *Die bei stumpfer Gewalteinwirkung auf den Brustkorb beobachteten Verletzungen des Herzbeutels und des Herzens [München] 32p. 8° Würzb., G. Grasser, 1936.

JORDAN, William George. Self-control, its kingship and majesty. 192p. 8° Buffalo, Corlis co., 1907.

JORDANA, Jorge P.

Translator of Jagot, P. C. Método científico moderno de magnetismo, hipnotismo, sugestión. T. 1–2. 3v. 19cm. B. Air., 1938.

JORDANIFORM bacillus.

See Aerobacter.

JORDAN-NARATH, Heinz [M. D., 1922, Heidelberg] & **WOLF, Joseph**. Die Tätigkeit des Durchgangsarztes. 13p. 8° Berl., F. C. W. Vogel, 1932.

Forms No. 13, Hefte Unfallh.

JORDANOFF, Konstantin P., 1904– *Gaumentonsillen und Scharlachinfektion [Frankfurt a. M.] 15p. 8° Münch., J. F. Lehmann, 1928.

JORDANOFF, Michail P., 1903– *Die kombinierte Wurzelfüllung nach Albrecht Sommer. 23p. 8° Lpz., Helm & Torton, 1927.

JORDANS, Josefine, 1896– *Ueber das in die freie Bauchhöhle perforierte Magen- und Duodenalulcus und seine Behandlungsergebnisse. 51p. 8° [Bonn, n. p.] 1926.

JORE d'Arces, Pierre Louis, 1905– *Contribution à l'étude des poudres de viande [Alfort] 45p. 8° Par., Vigot fr., 1930.

JORES, Arthur, 1901– *Das Verhalten der Kapillaren des Herzens in Systole und Diastole [Kiel] 16p. 8° Borna-Lpz., R. Noske, 1927.

— Grundzüge der inneren Medizin für Zahnärzte und Studierende der Zahnheilkunde. 213p. illust. 8° Lpz., G. Thieme, 1935.

— Klinische Endokrinologie; ein Lehrbuch für Aerzte und Studierende. xii, 356p. illust. 25cm. Berl., J. Springer, 1939.

— & NOTHMANN, M. Endokrine Störungen. vii, 469p. Berl., J. Springer, 1937.
Forms Bd 15, Handb. Neur. (Bumke & Foerster)

JORES, Gerhard, 1907— *Die Wirkung einiger Anästhetica auf das hyperästhetische Dentin und das Pulpagewebe. 59p. 8°. Zür., Müller, Werder & co., 1932.

JORES, Leonhard [Albert] 1866-1935. Anatomische Grundlagen wichtiger Krankheiten; ein Lehrbuch für Aerzte und Studierende. 2. Aufl. vi, 525p. 8°. Berl., J. Springer, 1926.

See also Aschoff, L. Nekrolog. Beitr. path. Anat., 1934-35, 94: Hft 3, front.—Berblinger, W. Leonhard Jores. Zbl. allg. Path., 1935, 62: 321-4.—Magnus-Alsleben, E. Nekrolog. Deut. med. Wschr., 1935, 61: 395.—Stammmler, M. Nekrolog. Verh. Deut. path. Ges., 1935, 28: 354-7.

JORGA, Nicolae, 1871-1942.

For obituary see Archeion, Santa Fé, 1942, 24: 286.

JORGE, Antonio Salvador, 1904— *Condições à propos de 3 cas d'exophtalmos pulsatile. 143p. 3 pl. 8°. Par., E. Le François, 1930.

JORGE, Florez C., 1909— *Récent progrès des réactions d'hémolyse et interprétation du B.-W. dans les diverses modalités de la syphilis. 64p. 8°. Par., Ed. Véga, 1935.

JORGE, José M., 1882—

For portrait see Libro de oro (B. Air. Fac. cienc. méd.) B. Air., 1941, 34.

JORGE, Ricardo, 1858-1939.

Aguiar, A. de. Ricardo Jorge; a actividade científica no Porto. Med. contemp., Lisb., 1939, 57: 425-30.—Coelho, E. [Biographia] Ibid., 405-16.—Lessa, A. Nota sobre o homem aos oitenta anos. Ibid., 422.—Loureiro, J. A. M. de [Biographia] Ibid., 404.—Mac Bride, A. Ricardo Jorge na Medicina contemporânea. Ibid., 421.—Monteiro, A. C. O estilo do Prof. Ricardo Jorge. Ibid., 430-3. — Professor Ricardo Jorge [biographia] Archeion, Santa Fé, 1941, 23: 185-205, portr.—Peixoto, A. Ricardo Jorge, sabio e artista. Impr. med., Rio, 1939, 15: 1401.—Ramalhão, C. Ricardo Jorge no Porto. Med. contemp., Lisb., 1939, 57: 423-5, portr.—Santos, R. dos [Biographia] Ibid., 398-402, portr.

See also Celestino da Costa, A. [Nécrologie] Presse méd., 1939, 47: 1513.—[Nécrologie] Bull. Off. internat. hyg. pub., Par., 1939, 31: 1357-60, portr.—Neveu, R. Nécrologie. Ann. hyg., Par., 1940, n. ser., 18: 67.—Obituary. Lancet, Lond., 1939, 2: 455, portr.—P. S., C. E. [Necrologia] Reforma méd., Lima, 1939, 25: 771, portr.

For portrait see Med. contemp., Lisb., 1939, 57: 397; 424. Also Porto med., 1906, 3: 101.

JORGE, Salomon, 1913— *Exploration radiologique des poumons en position couchée avant et pendant le pneumothorax artificiel. 61p. 8°. Par., L. Rodstein, 1937.

JORGENSEN, Christopher. *An analysis of certain psychological tests by the Spearman factor method. 70p. 8°. Lond., E. A. Gold & co., 1932.

JORGENSEN, Philip Burnell, 1906— *The use of convalescent scarlet fever serum in the treatment of post-abortum and post-partum infections with Streptococcus hemolyticus [Wisconsin] 14p. Wauwatosa, Wisc. [n. p.] 1937.

JORGER, Odile Marie Raymonde Julienne, 1909— *Contribution à l'étude d'un nouveau dérivé intra-musculaire de l'arsénobenzol. 96p. 8°. Par., E. Le François, 1934.

JORIS, Pierre, 1907— *Le tétanos post-abortum. 75p. 8°. Par., M. Lac, 1934.

JORISSEN, Armand, 1853-1920.

For biography see Annuaire Acad. Belgique, 1940, 106: 19-37.

JORNAL dos clinicos. Rio, v.15, No. 7, 1934—

JORNAL dos farmacêuticos; órgão do Sindicato nacional dos farmacêuticos. Lisboa, ser. 2, v.1, 1940—

See also Fontoura de Carvalho, S. Jornal dos farmacêuticos. J. farm., Lisboa, 1942, 3, ser., 1-3.

JORNAL de pediatria; clinica, patologia e hygiene infantil. Rio, v.6, 1939—

JORNAL de pharmacia e ciencias medicas da India Portuguesa; publicado pelo Primeiro Pharmaceutico do Hospital Militar, Antonio Gomes Roberto. Nova Goa, v.1-2, 1862-63.

JORNS, William, 1910— *Störungen beim Durchbruch des ersten Molaren und die Ursachen seiner falschen Einstellung [München] 19p. 8°. Würzb., R. Mayr, 1933.

JORPES, Johan Erik, 1894— *Ueber Pentosenucleinsäuren im Tierorganismus unter besonderer Berücksichtigung der Pankreasnucleinsäuren. vi, p.253-82; p.503-73. 8°. Stockh., P. A. Norstedt & söner, 1928.

Also Acta med. scand., 1928, 68:

— Heparin; its chemistry, physiology and application in medicine. xi, 87p. illust. tab. diagr. 22½cm. Lond., H. Milford, 1939.

JORRAND, Louis, 1912— *Essais pneumographiques chez le nourrisson débile et prématuré. 104p. 25cm. Par., Vigot fr., 1939.

JORRITSMA, Andreas Johannes, 1873-1940.

For obituary see Ned. tscr. geneesk., 1940, 84: 4433, portr.

JORROT, Bernard, 1908— *Image radiologique triangulaire paramédiastinale de la base du poumon. 82p. 8°. Par., Jouve & cie, 1935.

JORTZIG, Aurelius [Karl Friedrich] 1910—

*Ergebnisse der Myomtherapie an der Leipziger Universitätsfrauenklinik in den Jahren 1929-34 [Leipzig] 31p. 8°. Zeulenroda, A. Oberreuter, 1935.

JORY, Philip John [M. B., 1919, New Zealand] Nose. p.4689-804. 8°. N. Y., D. Appleton-Century co., 1937.

In Post-Grad. Surg. (Maingot, R.) N. Y., 1937, 3:

JOSAM, Hans, 1901— *Ueber den Einfluss der Ovarien auf die Blutbildung [Mamburg] p.151-61. 8°. Berl., J. Springer, 1927.

Also Zschr. klin. Med., 1928, 107:

JOSCHKO, Rudolf, 1909— *Zur Pathologie des Corpus luteum: Corpus luteum cysticum und Corpus luteum persistens cysticum [Breslau] 39p. 8°. Strehlen, P. Schwarzer, 1934.

JOSCHKO, Wilhelm, 1901— *Angeborene Formanomalien des Wurmfortsatzes. 21p. 8°. Bresl., Bresl. Genoss.-Buchdr., 1930.

JOSE y Flores, M. Francisco, 1901— *La nécessité de l'exploration complète de l'appareil urinaire au cours des pyélonéphrites rebelles. 120p. 8°. Par., Jouve & cie, 1931.

JOSEF, Adolf, 1909— *Beitrag zur chemischen und biologischen Trächtigkeitsdiagnose beim Rind [Zürich] 46p. 2 pl. 24cm. Wald, W. Hess, 1936.

JOSEF, Franz, 1902— *Die Ursachen der Stellungsanomalien der Kiefer und der Zähne; eine Studie an Schädeln. 28p. 8°. [Göttingen, n. p.] 1925.

JOSEFSBERG, Lazare Joseph, 1906— *Rôle hypertenseur et vaso-constricteur de l'hypophyse; déductions thérapeutiques. 50p. 8°. Par., L. Rodstein, 1935.

JOSEFSBERG, Maurice, 1910— *La dilatation à la sonde de Plummer dans le cancer de l'oesophage. 50p. 25cm. Lyon, Paquet, 1938.

JOSEFSON, Arnold Robert, 1870— Die Klinik der hypophysären Störungen. p.203-46. Lpz., C. Kabitzsch, 1928.

In 3 Bd 1 Hälfte, Hirsch. Handb. inn. Sekret.

For biography see Biogr. Encycl. World, 2. ed., N. Y., 1942, 222.

JOSELEVICH, Miguel.

See Martini, T., & Joselevich, M. La estenosis dextro-ventricular (síndrome de Bernheim) 127p. 8°. B. Air., 1931.

JOSELEWICZ, Moïse, 1907— *Sur l'ab-
cès de fixation en ophtalmologie. 30p. 8° Par.,
L. Rodstein, 1935.

JOSELIN, Edward Livingstone. Ventilation;
a textbook for students and engineers. viii,
238p. illust. ch. 8° Lond., E. Arnold & co.,
1934.

JOSEPH II, 1741–90.

Neuburger, M. Joseph II. und die Medizin; eine historische
Skizze. Wien. med. Wschr., 1935, 85: 538–50.—**Steiner, J.**
Kaiser Joseph II. als Reformator des Gesundheitswesens.
Ibid., 1941, 91: 250.

**JOSEPH, Alfred, BURNETT, E. K., &
GROSS, Reuben H.** Practical podiatry; ed. by
Maurice J. Lewi. x, 437p. 8° N. Y., The
First Inst. of Podiatry [1918]

JOSEPH, Alfred, 1882—

See **Buschke, A., Joseph, A., & Birkenfeld, W.** Leitfaden der
Kosmetik [etc.] 224p. 8° Berl., 1932.

JOSEPH, Amalie, 1905— *Missbildung
mit völligem Fehlen des Nabelstranges bei
persistentem Bauchstiel [Heidelberg] 13p. 8°
[Wertheim a. M., Bechstein, 1932]

JOSEPH, Etienne, 1908—

*Résultats
éloignés des opérations antiglaucomeuses. 130p.
8° Par., A. Legrand, 1935.

JOSEPH, Eugen, 1879—

Kystoskopische
Technik; ein Lehrbuch der Kystoskopie, des
Ureterenkatherismus, der funktionellen Nieren-
diagnostik, Pyelographie, intravesikalen Opera-
tionen. iv, 221p. 8° Berl., J. Springer, 1923.

— The same. Lehrbuch der diagnostischen
und operativen Cystoskopie; Cystoskopie, Ureter-
enkatheterismus, funktionelle Nierendiagnostik,
Pyelographie, intravesicale Operationen. 2.
Aufl. vii, 254p. 8° Berl., J. Springer, 1929.

— Die Harnorgane im Röntgenbild. 58p.
[44 l.] pl. 4° Lpz., G. Thieme, 1926.

Forms Ergänzbld 37, Fortschr. Röntgenstrahl.

JOSEPH, Fritz, 1911—

*Ueber die
Ursachen der Stomatitis aphthosa. 32p. 8°
Bonn, A. Brand, 1935.

JOSEPH, George William, 1849–1935.

For obituary see Brit. M. J., 1935, 2: 648.

JOSEPH, Georges, 1913—

*Contribution
à l'étude du chimisme gastrique par l'épreuve
de l'histamine dans les gastropathies et plus
spécialement les gastropathies fonctionnelles.
118p. 8° Lyon, M. & L. Riou, 1937.

JOSEPH, Glenn H. Survey of the world's
medical literature showing the development of
uses of pectin for intestinal disorders, blood
coagulation and wound healing. [I] 11p.; 10p.
20cm. Ontario, Calif., California Fruit Growers
Exchange, 1939–40.

JOSEPH, H. Généralités, hypermétropie,
astigmatisme, anisométrie. p.139–90. 25cm.
Par., Masson & cie, 1939.

In Traité opht., T. 3.

JOSEPH, Hans Fritz Joseph, 1902—

*Ueber spezifische Behandlung der Lungen-
tuberkulose. 26p. 8° Würzb., C. J. Becker,
1925.

JOSEPH, Heinz, 1909—

*Die in den
letzten acht Jahren an der Chirurgischen
Universitätsklinik in Jena beobachteten
Gesichtsfurunkel und die Ergebnisse der ange-
wandten Therapie [Jena] 23p. 8° Born-
Lpz., R. Noske, 1935.

JOSEPH, Henri, 1910—

*Diagnostic de
la leucose des poules; considérations générales
sur les maladies voisines [Alfort; Vet.] 59p.
2½cm. Par., Vigot fr., 1935.

JOSEPH, Isac, 1910—

*De quelques
résultats inattendus ou paradoxaux de la

cutiréaction à la tuberculine. 32p. 8° Par.,
L. Rodstein, 1936.

JOSEPH, Jacques, 1865–1934. Nasenplastik
und sonstige Gesichtsplastik nebst einem Anhang
über Mammoplastik und einige weitere Opera-
tionen aus dem Gebiete der äusseren Körper-
plastik; ein Atlas und Lehrbuch. 842p. pl.
8° Lpz., C. Kabitzsch, 1931.

See also **Coelst. Néerologie. Rev. chir. plast., Brux., 1934–**
35, 4: 83, portr.

JOSEPH, Leon, 1909— *Contribution à
l'étude du syndrome du nerf nasal. 38p. 8°
Par., M. Vigné, 1934.

JOSEPH, Liselotte, 1910— *Experi-
mentelle Untersuchungen über die Wirkung des
Jodkaliums auf den refraktometrischen Index
des Blutserums. 18p. 8° Basel, K. Schahl,
1935.

JOSEPH, Max, 1860–1933. Lehrbuch der
Hautkrankheiten für Aerzte und Studierende.
x, 299p. illust. pl. 8° Lpz., G. Thieme, 1892.
Also 8. Aufl. x, 477p. 1915.

— Kosmetik der Haut, der Haare, der
Nägel und des Mundes; für Aerzte und Studie-
rende. 5. Aufl. 80p. 12° Lpz., J. A. Barth,
1923.

See also **Pinkus, F.** Nekrolog. Derm. Wschr., Lpz., 1933,
96: 238.

JOSEPH, Paul, 1904— *Ueber die
Therapie der Gefässlues. 63p. 8° Bonn,
H. Trapp, 1928.

JOSEPH, Raymond, 1905— *La tension
artérielle chez le vieillard; renseignements
fournis par la méthode des tensions comparées
aux membres supérieurs et aux membres infé-
rieurs. 117p. 4 pl. 8° Par., Jouve & cie, 1935.

JOSEPH, René, 1907— *La diarrhée des
nourissons au sein pendant les 3 premiers mois
de la vie. 68p. 8° Par., Vigot fr., 1936.

JOSEPH, Suzanne Marguerite [née Boutinaud]
1906— *Contribution à l'étude de l'oedème
pulmonaire infectieux épidémique du nourrisson;
broncho-alvéolite spumeuse. 75p. 25½cm. Par.,
L. Arnette, 1939.

JOSEPH, Walter, 1904— *Ueber die
Sterilisation Schwangerer durch hohe Corpus-
amputation mit Implantation der Adnexe nach
Liepmann [Berlin] 27p. 8° Charlottenb.,
Gebr. Hoffmann, 1929.

JOSEPH ben Meir ibn Zabara, fl. 1140. The
book of delight; transl. by Moses Hadas, with an
introd. by Merriam Sherwood. xi, 203p. 8°
N. Y., Columbia Univ. pr., 1932.

Forms Vol. 16 of Records of Civilization; ed. by Dep. of
Hist. Columbia Univ.

JOSEPHS, Alexander F. M., 1910—
*Vergleichende Untersuchungen über neuere
Färbeverfahren für Tuberkelbazillen [Münster]
20p. 21cm. Gelsenkirchen, H. Kunze, 1936.

JOSEPHSON, Bertil August, 1902— *Stu-
dien über Gallen-Säuren und angehörige Ver-
bindungen. 78p. 8° Stockh. [n. p.] 1933.

JOSEPHSON, Carl David, 1858–1939.

Obituary. J. Am. M. Ass., 1939, 113: 1146.—**Olow, J.**
[Obituary] Nord. med., 1939, 3: 2107–10, portr.

JOSEPHSON, Emanuel M., 1895— Glau-
coma and its medical treatment with cortin;
myopia, its cause and prevention. iv, 92p.
illust. diagr. 8° N. Y., Chedney press [1937]

— Near-sightedness is preventable. 46p. [2]p.
illust. 18cm. N. Y., Chedney press [1939]

— Your life is their toy; rackets—social
service and medical. 449p. facs. portr. 24cm.
N. Y., Chedney press [1940]

— Merchants in medicine. 223p. illust.
23cm. N. Y., Chedney press [1941]

JOSEPHSON, O. Jean, 1905- *Les progrès récents de l'héliothérapie; la méthode du solarium tournant [Paris] 32p. 8 pl. 8° Corbeil, Impr. sc., 1933.

JOSEPHTHAL, Fritz, 1905- *Vergleichende Untersuchungen über Veränderungen des Elektrokardiogramms bei menschlicher Diphtherie und bei experimenteller Diphtherietoxinvergiftung [Frankfurt a. M.] p.180-99. 8° Berl., J. Springer, 1930.

Also Zschr. ges. exp. Med., 1930, 74:

JOSEPHUS, Flavius [Josef ben Matathias] 37-97[?] De antiquitatibus ac De bello Judaico. 260 l. fol. Venezia, Albertinus Rubeus, Oct. 23, 1499.

— Famous and memorable workes of Josephus, a man of much honour and learning among the Jewes. 812p. 34cm. Lond., J. L. for A. Hebb, 1632.

— Josephus; with an English translation by H. St J. Thackeray. 4v. 16° Lond., W. Heinemann, 1926-30.

See also **Spivey, T. S.** A brief commentary on Flavius Josephus. In his Revelation, Beverly Hills, 1925, 464-81.

JOSEPHY, Hermann, 1887- Normale und pathologische Anatomie der vegetativen Zentren des Zwischenhirns, des Sympathikus und Parasympathikus. p.662-708. Lpz., C. Kabitzsch, 1932.

In 1. Bd of Handb. inn. Sekret. (Hirsch.)

— Störungen der Anlage (Missbildungen) des Gehirns. p.1-13. 8° Berl., J. Springer, 1936.

In Handb. Neur. (Bumke & Foerster) Berl., 1936, 16:

— Status marmoratus (Vogtsche Krankheit) plaques fibromyeliniques. p.30-4. 8° Berl., J. Springer, 1936.

In Handb. Neur. (Bumke & Foerster) Berl., 1936, 16:

— Tuberöse Sklerose. p.273-88. 8° Berl., J. Springer, 1936.

In Handb. Neur. (Bumke & Foerster) Berl., 1936, 16:

— Familiäre amaurotische Idiotie. p.394-412. 8° Berl., J. Springer, 1936.

In Handb. Neur. (Bumke & Foerster) Berl., 1936, 16:

— Chorea Huntington. p.729-56. 8° Berl., J. Springer, 1936.

In Handb. Neur. (Bumke & Foerster) Berl., 1936, 16:

— Degeneratio hepato-lenticularis (Westphal-Strümpellsche Pseudosklerose, Wilsonsche Krankheit) p.827-48. 8° Berl., J. Springer, 1936.

In Handb. Neur. (Bumke & Foerster) Berl., 1936, 16:

— Jakob Creutzfeldtsche Krankheit (spastische Pseudosklerose Jakob) p.882-6. 8° Berl., J. Springer, 1936.

In Handb. Neur. (Bumke & Foerster) Berl., 1936, 16:

— Familiäre diffuse Sklerose (Pelizaeus-Merzbachersche Krankheit) p.887-94. 8° Berl., J. Springer, 1936.

In Handb. Neur. (Bumke & Foerster) Berl., 1936, 16:

JOSETTI, João Adolfo, -1939. Nogueira Flóres. Necrologio. Arq. rio grand. med., 1939, 18: 518, portr.

JOSIAH Macy, jr, Foundation. See New York, N. Y. Josiah Macy, Jr, Foundation.

JOSIAH Simpson General Hospital.

See under Fort Monroe, Virginia.

JOSIOFF, Mois, 1902- *Uterusruptur nach vorausgegangener Verletzung des Uterus (Perforation-Kaiserschnitt) 30p. 8° Lpz. [n. p.] 1929.

JOSIPOVICI, Jancu, 1910- *Contribution à l'étude des méningites aiguës lymphocytaires bénignes chez l'enfant. 54p. 8° Par., Jouve & cie, 1935.

JOSIPOWICZ, Izaak, 1909- *Séméiologie des lésions unguéales. 31p. 24½cm. Par., J. Peyronnet, 1939.

JOSLIN, Charles Loring, 1888- For portrait see Nu Sigma Nu Bull., 1942, 31: 217.

JOSLIN, Elliott Proctor, 1869- The treatment of diabetes mellitus. 4. ed. xxii, 998p. 8° Phila., Lea & Febiger, 1928. Also 5. ed. 620p. illust. tab. diagr. 1935. Also 6. ed. [with Root, H. F., et al.] 707p. 1937. Also 7. ed. [with Root, H. F., et al.] 783p. 1940.

— A diabetic manual for the mutual use of doctor and patient. 4. ed. viii, 248p. 8° Phila., Lea & Febiger, 1929. Also 5. ed. viii, 224p. 1934. Also 6. ed. 219p. 1937. Also 7. ed. 238p. 1941.

— Diabetes; its control by the individual and the state. 70p. pl. 12° Cambr., Harvard Univ. pr., 1931.

See also [The Distinguished Service Award to Dr Joslin] J. Am. M. Ass., 1943, 122: 510, portr.—**Woodyatt, R. T.** Presentation of the Kober medal to E. P. Joslin, M. D. Tr. Ass. Am. Phys., 1932, 47: 8-10.

For portrait see Mississippi Doctor, 1933-34, 11: No. 8, 19. Also Proc. Am. Diabetes Ass. (1941) 1942, 1: front.

JOSLYN, Maynard Alexander, 1904- See Tressler, D. K., Joslyn, M. A., & Marsh, G. L. Fruit and vegetable juices. 549p. 21cm. N. Y., 1939.

JOSSE, Gabriel Louis Marc, 1905- *Contribution à l'étude de la classification dans les maladies mentales. 48p. 24cm. Par., Jouve & cie, 1937.

JOSSE, Raymond, 1901- *Contribution à l'étude des formes cliniques et du diagnostic des néoplasmes vatriens. 60p. 8° Par., L. Arnette, 1928.

JOSSELIN de Jong, Rodolph de, 1868- For biography see Genesck, gids, 1935, 13: 96, portr. For portrait see Collection in Library.

JOSSELOVITZ, Jacob, 1904- *Die Anwendung der Zange an der Universitäts-Frauenklinik zu Würzburg in den Jahren 1920-26. 30p. 8° Würzh. [n. p.] 1928.

JOSSELYN, Daniel W. Why be tired? 115p. 8° N. Y., Longmans, Green & co., 1936.

JOSSERAN, Pierre Paul, 1906- *Les ulcérations chroniques de la vulve chez les prostituées (Ulcus vulvæ simplex chronicum) 83p. 8° Par., L. Arnette, 1931.

JOSSERAND, Paul, 1906- *Contribution à l'étude de la climatopathologie; les inadaptés urbains. 254p. 8° Lyon, Giraud & Rivoire, 1934.

See also **Mouriquand, G., & Jossierand, P.** Syndromes météorologiques et inadaptés urbains. 126p. 8° Par., 1935.

JOSSERON, Paul, 1913- *La néphrose lipidique et sa forme sèche. 105p. 25½cm. Lyon, M. & L. Riou, 1938.

JOSSET, André, 1897- *Sphacèle des paupières à la suite de phlegmon streptococcique. 43p. 5 pl. 8° Par., A. Legrand, 1927.

JOSSET, Théophile. Les eaux naturelles; études physiologiques et médicales sur les eaux thermo-minérales salées, minérales, douces, bains et boissons, avec 2 tableaux synoptiques indiquant les stations thermales et maritimes les plus renommées en France et à l'étranger. 72p. 18½cm. Par., J. Rothschild, 1866.

JOSSIOFF, Albert, 1905- *Ueber die Lippen-Furunkel; deren Komplikationen und ihre Behandlung [Leipzig] 39p. 8° [Zeulenroda, A. Oberreuter] 1928.

JOSSIFOW, Gordej Maksimovich. See Iosifov, Gordej Maksimovich.

JOSSIMOW, Gdaly, 1900- *Ueber Erfahrungen mit dem neuen Bürkerschen Hämoglobinometer. 23p. 8° Jena [n. p.] 1928.

JOSSO, Alain, 1898- *Contribution à l'étude du botulisme (à propos de 3 nouveaux cas) 88p. 8° Par., Imp. Vertongen, 1926.

JOSSO, Albert, 1910- *Hyperféménisation expérimentale par la folliculine cristallisée et amélioration de la ponte [Alfort; Vet.] 62p. 8° Par., Vigot fr., 1933.

JOST, Anton, 1908- *Ueber den Nachweis der schweißhemmenden Wirkung der Salbeidroge [München] 25p. 8° Bonn, H. Trapp, 1934.

JOST, Arthur Cranswick, 1875- Honorary life membership conferred upon Dr Arthur C. Jost, Delaware. Proc. Conf. Health Author. N. America, 1940, 55. meet., 139.

JOST, Dietrich, 1908- *Untersuchungen über die von Hadziemanuil und Osol angegebenen neueren Verfahren der Färbung von Tuberkelbakterien im Sputum [Rostock] 19p. 8° Rochlitz, E. Vetter, 1935.

JOST, Elfriede, 1902- *Ein Fall von Staphylokokkenmetastase der Iris nach Pneumonie. 15p. 8° Würzb., Werkbund-Dr., 1929.

JOST, Hans, 1894- Ueber die Bedeutung des säurelöslichen organischen Blutphosphors [Frankfurt; Hab.-Schr.] p.171-214. 8° Berl., W. de Gruyter & co., 1927.

Also Hoppe Seyler Zschr., 1927, 165:

JOST, Hans, 1895- *Zur Methodik der Bestimmung der Blutkatalase. 21p. ch. 8° Giessen, W. Herr, 1929.

JOST, Helmut, 1911- *Ueber die Fertilität nach abdominalem Kaiserschnitt. 23p. 21cm. Giessen, O. Kindt, 1937.

JOST, Henry Edward. Ueber die beste Art geistig zu arbeiten, Anhang zum ersten Teil, Einige Proben aus Schopenhauers Schrift Ueber den Satz vom Grunde; Zweiter Teil: Einige Regeln bei der rezeptiven Tätigkeit. 6. Aufl. 128p. 24cm. Berl., Modern-Pädag. & Psychol. Verlag [18. .]

Forms No. 1 of his Schriften.

JOST, Karl, 1909- *Ueber den Einfluss von Arsen auf die Stärkeverzuckerung durch diastatische Fermente [Münster] 19p. 8° Werne-Lippe, F. Grube, 1935.

JOST, Leonhard. *Das Vorkommen von Schwermetallen im Zahnfleisch und in den Speicheldrüsen [Basel] p.117-22. 8° Lpz., H. Meusser, 1933.

Also Deut. Zahn & c. Heilk., 1934, 1:

JOST, Luis José [M. D., 1931, B. Aires] *Anemia perniciosa y aquila gástrica. 77p. 24½cm. B. Air. [Univ. B. Aires] 1931.

JOST, Robert [M. D., 1934, Toulouse] *Les calcifications périarticulaires de l'épaule. 107p. illust. 23½cm. Toulouse, Lion et fils, 1934.

JOST, Walter, 1907- *Beurteilung der akzidentell-traumatischen akuten Osteomyelitis adolescentium. 43p. 8° Stetten-Basel, K. Schahl, 1936.

JOSTEN, Konstanze, 1910- *Erbhygienische Untersuchungen an den Kindern der Hilfsschulen in Neuss und Krefeld-Uerdingen [Münster] 15p. 21cm. Neuss a. Rh., Ges. Buckdr., 1937.

JOSTEN [Wilhelm] Johann, 1905- *Verlauf und Häufigkeit ascendierender Pylonephritis bei Diabetes mellitus [Leipzig] 11p. 8° Zeulenroda, A. Oberreuter, 1931.

JOSURAN, Karl, 1904- *Experimentelle Untersuchungen über die Wirkung langwelliger

(nicht penetrierender) ultraroter Strahlen auf Kaninchenaugen [Zürich] p.353-60. 8° Berl., J. Springer, 1933.

Also Arch. Ophth., Berl., 1933, 129:

JOTTINGS; published occasionally by Boericke & Tafel; v.36, Dec. 1939, Whole No. 90. 24p. illust. 16cm. Phila., 1939.

JOTTKOWITZ, Paul, 1868- Orthopädische Stützapparate. 118p. pl. 8° Berl., R. Hobbing, 1927.

— Lehrbuch der Unfallheilkunde. xi, 280p. 8° pl. Münch., J. F. Lehmann, 1928.

JOUAFFRE, Auguste, 1901- *A propos de 2 épidémies de poliomyélite aiguë en Anjou. 64p. 8° Par., Jouve & cie, 1927.

JOUAN, Adolphe, 1901- *Contribution à l'étude thérapeutique des pyélonéphrites de la gestation et de la puerpéralité. 91p. 8° Par., Jouve & cie, 1926.

JOUAN, François, 1913- *Etude hygiénique sur les conserves alimentaires. 43p. 24½cm. Par., J. Haumont, 1939.

JOUANNARD, André, 1908- *Les ruptures du muscle grand pectoral. 76p. 8° Par., Jouve & cie, 1934.

JOUANNEAU, Marcel, 1902- *Faux syndrome abdominal aigu d'allure chirurgicale par intolérance aux arséno-benzènes. 37p. 8° Par., M. Vigné, 1927.

JOUANNEAU, Pierre Etienne, 1909- *Etude de certaines interventions portant sur les troncs veineux, comme moyens d'arrêt du processus infectieux. 116p. 25½cm. Par., L. Arnette, 1938.

JOUANNIN, Michel, 1912- *Torsion de l'hydatis de Morgagni dans le sexe féminin. 76p. 25½cm. Marseille, Impr. M. Leconte, 1936.

JOUARD, Anne.

Translator of Laforge, R. The relativity of reality. 92p. 23½cm. N. Y., 1940.

JOUBERT, Laurent, 1529-83. Erreurs populaires et propos vulgaires touchant la médecine et le régime de santé. 2 pt in 1. [xvii] 246p.; [viii] 227p. 8° Par., Claude Micard, 1587.

See also Astruc. Le vrai visage de Laurent Joubert. Aesculape, Par., 1927, n. ser., 17: 118.

JOUBERT, Marcel, 1901- *Les occlusions mécaniques précoces d'origine appendiculaire et leur traitement. 66p. 8° Par., Jouve & cie, 1926.

JOUBERT, Pierre, 1900- *Contribution à l'étude de la lèpre; lésions dites otorhinolaryngologiques. 78p. tab. 8° Par., L. Feu, 1926.

JOUBLOT, J.

See Canuyt, G., & Joublot, J. L'anesthésie locale en otorhino-laryngologie. 230p. 8° Par., 1930.

JOUCK, Hanns, 1908- *Degastroenterostomie und Excision des Ulcus pepticum jejuni nach Gastroenterostomie. 46p. 8° Bonn, P. Kubens, 1933.

JOUEN, Jean, 1906- *Sur un cas de maladie de Ritter (avec lésions des glandes endocrines) 56p. 2 pl. 8° Par., E. Le François, 1933.

JOUET, Marcel, 1890- *Etude anatomique et clinique des artérites juvéniles des membres. 89p. 8° Paris, Le François, 1927.

JOUFFREAU, Pierre [M. D., 1933, Toulouse] *Le traitement chirurgical du décollement de la rétine. 64p. 24cm. Toulouse, J. Castelli, 1933.

JOUFFROY, Albert Max, 1907— *Contribution à l'étude des névralgies laryngées et de leur traitement. 65p. 8° Par., L. Arnette, 1935.

JOUHANNEAUD, Georges, 1915— *Contribution à l'étude des compressions lentes de la moelle. 30p. 24cm. Par., Le François, 1940.

JOUIS, Elphège, 1902— *Traitement des hyperchlorhydries par l'extrait hydroalcool-éthéré de jaborandi (Néopancarpine) 80p. 8° Par., Jouve & cie, 1932.

JOUKOVSKY, A., 1870-1936.
Nécrologie. Rev. laryng., Bord., 1936, 57: 615.

JOUKOVSKY, V. P., & ROUSSKIKH, V. N. Etude clinique et anatomopathologique sur la tuberculose des centres nerveux chez l'enfant. 65p. 8° Upps., Almqvist & Wiksell, 1933.

Forms Suppl. 2, 14: Acta paediat.

JOULE, James Prescott, 1818-89.
Crowther, J. G. [Biography] In his Brit. Scientists of 19. Cent., Lond., 1935, 129-97, portr.

JOULE-THOMSON effect.

See under Gas.

JOULIN, Joseph Désiré, 1821-74. Tratado completo de arte de los partos; transl. J. Sáez y Velázquez, & D. A. Rodríguez Rubi. 3v. illust. 8° Madr., Moya y Plaza, 1874.

JOUNIAUX, Robert, 1901— *Contribution à l'étude du traitement des tuberculoses chirurgicales par la méthode de Finikoff. 46p. 8° Par., Imp. Parisiennes Réunies, 1926.

JOUNIAUX, Robert Jules, 1909— *Hygiène et étude sérologique d'une épidémie de fièvre typhoïde [Pharm.] 106p. diagr. 24cm. Lille, Impr. Douriez-Bataille, 1935.

JOUON, Hubert, 1910— *Contribution à l'étude des déséquilibres graves du caractère chez les adolescents; les problèmes pratiques de leurs réactions antisociales. 85p. 23½cm. Par., Vigot fr., 1939.

JOURDAIN, André Ernest Robert, 1910— *Contribution à l'étude de l'anémie pernicieuse gravidique [Bordeaux] 118p. 24cm. Par., Lahure, 1933.

JOURDAIN, Roger, 1914— *Le fer en hydrologie; les boues ferrugineuses des griffons des eaux minérales. 127p. 6 pl. 25cm. Lyon, M. & L. Riou, 1938.

JOURDAN, Alfred Elie, 1907— *Contribution à l'étude des cellules de Kultschitzky. 59p. 25cm. Montpel., Impr. La Presse, 1934.

JOURDAN, Fritz Hans, 1902— *Ueber den zeitlichen Ablauf der Stromstärke der Blutbewegung. 31p. 8° Basel, G. Böhm, 1927.

JOURDAN, Georges, 1898— *Contribution à l'étude de l'hypersécrétion gastrique à propos de quelques aspects radiologiques rares ou peu connus de cette affection. 36p. 8° Par., Legrand, 1927.

JOURDAN, Guy, 1915— *De la présentation du siège; statistiques de la Maison maternelle nationale de Saint-Maurice. 35p. 24cm. Par., Jouve, 1939.

JOURDAN, Henry Louis Adolphe, 1908— *Contribution à l'étude des indications de l'hystérectomie dans les infections puerpérales. 60p. 25½cm. Bord., J. Bière, 1934.

JOURDAN, J. L.
Translator of Hahnemann, S. Doctrina y tratamiento homeopático de las enfermedades crónicas. 2. ed. 276p. 19½cm. Méx., D. F., 1941.

JOURDAN, Pierre, 1903— *A propos du traitement chirurgical des pleurésies purulentes non tuberculeuses de la grande cavité chez l'adulte. 132p. 8° Par., M. Vigne, 1933.

JOURDAN, Walter, 1910— *Ueber Brüche der Fusswurzelknochen. 39p. 8° Münch., Buchdr. Hohenhaus, 1935.

JOURDAN-GAGNEUR, Marthe Madeleine, 1903— *Les hémorragies utérines survenant après la ménopause en l'absence de lésions cervicales. 61p. 8° Par., M. Vigné, 1937.

JOURDAN-LAFORTE, Jean René, 1908— *L'inflammation périfocale; son rôle et son traitement dans la tuberculose pulmonaire. 54p. 24cm. Par., Le François, 1939.

JOURDANT, Josef, 1910— *Ueber Störungen im Ablauf der zweiten Dentition; früher und später Zahnwechsel im Lichte von Konstitution und Vererbung. 39p. 8° Bonn, L. Neuendorff, 1935.

JOURDIN, Emile Alfred, 1910— *La laine du mouton berrichon du Cher; étude zootechnique [Alfort; Vet.] 63p. 8° Par., Vigot fr., 1933.

JOURNAL ...

For journals of corporate bodies see under names of publishing academies, institutes, societies, etc.

JOURNAL (The) of abnormal and social psychology. Albany, v.20, 1925—

Formerly Journal of abnormal psychology, v.1-16, 1906-22; Journal of abnormal psychology and social psychology, v.17-19, 1922-25.

JOURNAL of the aeronautical sciences. N. Y., v.8, 1941—

JOURNAL of agricultural research. Wash., v.1, 1913—

JOURNAL (The) of allergy. S. Louis, v.1, 1929—

JOURNAL (The) of American folk-lore. N. Y., v.1, 1888—

JOURNAL of American insurance. Chic., v.18, 1941—

JOURNAL of American medical hydrology. Chic., v.1, 1932—

JOURNAL of anatomy. Lond., v.51, 1917—

JOURNAL of animal science. Menasha, Wisc., v.2, 1943—

JOURNAL (The) of applied psychology. Athens, Ohio [v. p.] v.1, 1917—

JOURNAL (The) of aviation medicine. S. Paul, v.5, 1934—

JOURNAL (The) of Ayurveda, or the Hindu system of medicine. Calc., v.1, 1924—

JOURNAL of bacteriology. Balt., v.1, 1916—

JOURNAL belge de neurologie et de psychiatrie. Brux., v.33, 1933—

Formerly Journal de neurologie et de psychiatrie, v.29-32, 1929-32.

JOURNAL (The) of biochemistry. Tokyo, v.1, 1922—

JOURNAL (The) of biological chemistry. Balt., v.1, 1905.

— Index, v.101-125, 1933-1938. Comp. by Isaac Neuirth. 498p. 22½cm. New Haven, 1939.

JOURNAL (The) of biophysics. Tokyo, v.1-2, 1923-27.

JOURNAL (The) of bone and joint surgery. Bost., v.4, 1922—

Formerly Journal of orthopaedic surgery, v.1-3, 1919-21.

JOURNAL of calendar reform. N. Y., v.3, No. 4, 1933—

JOURNAL (The) of cancer. Dubl., v.1, 1924—

JOURNAL (The) of cancer research. Lanc., v.1-14, 1916-30.

Changes title with v.15, 1931, to American journal of cancer.

JOURNAL of cellular and comparative physiology. Phila., v.1, 1932—

JOURNAL of chemical education. Easton, Pa., v.11, Nos 4, 9, 11, 1934.

JOURNAL of chemotherapy. Balt., v.4-11, No. 1, 1927-35.

Beginning with v.11, No. 2, 1935, changed title to **Journal of chemotherapy and advanced therapeutics**.

JOURNAL of chemotherapy and advanced therapeutics. North Chic., v.11, No. 2, 1935-

Formerly **Journal of chemotherapy**, v.4-11, No. 1, 1927-35.

JOURNAL de chimie médicale, de pharmacie, de toxicologie, et revue des nouvelles scientifiques nationales et étrangères. Par., 4. sér., v. 7-9, 1861-63; 5. sér., v.1-3, 1865-67; v.5, 1869.

JOURNAL de chimie physique et de physio-chimie biologique. Par., v.8, 1910-

1910-31 title was **Journal de chimie physique**; 1931-39, title was **Journal de chimie physique et revue générale des colloïdes**.

JOURNAL de chirurgie. Par., v.1, 1908-

JOURNAL de chirurgie et annales de la Société belge de chirurgie. Brux., v.1, 1901-

Formerly **Annales de la Société belge de chirurgie**.

JOURNAL (The) of clinical endocrinology. Springf., Ill., v.1, 1941-

JOURNAL (The) of clinical investigation. Lanc., v.1, 1924-

Index. v.1-17, 1924-38.

JOURNAL (The) of comparative neurology. Phila., v.1, 1891-

JOURNAL (The) of comparative pathology and therapeutics. Lond., v.1, 1888-

JOURNAL (The) of comparative psychology. Balt., v.1, 1921-

JOURNAL of consulting psychology. Lanc., v.1, 1937-

JOURNAL (The) of contraception. N. Y., v.1-4, 1935-39.

Beginning with v.5, 1940, changes title to **Human fertility**.

JOURNAL (The) of criminal law and criminology. Chic., v.22, 1931-

Formerly **Journal of the American institute of criminal law and criminology**, v.1-17, 1910-26.

JOURNAL of criminal psychopathology. Woodbourne, N. Y., v.1, 1939-

JOURNAL du Cycle médical. Kiev, v.1-3, 1931-33.

Beginning with v.4, 1934, changed title to **Journal médical**.

JOURNAL of dairy science. Balt., v.8, 1925.

JOURNAL (The) of delinquency. Whittier, Calif., v.5-12, No. 2, 1920-28.

Beginning with v.12, No. 3, 1928, changed title to **Journal (The) of juvenile research**.

JOURNAL (Le) dentaire belge. Brux., v.26, 1935-

JOURNAL (The) of dental research. N. Y., v.1, 1919-

See also Merritt, A. H. Endowment fund for the Journal of Dental Research. J. Am. Dent. Ass., 1942, 29: 310.

JOURNAL de diététique et de bactériothérapie; revues générales et études d'ensemble d'ordre pratique. Par., v.1, 1910.

JOURNAL of documentary reproduction. Chic., v.1, 1938-

JOURNAL (The) of drugless physicians. N. Y., v.3, 1942-

JOURNAL of economic entomology. Geneva, N. Y., v.1, 1908-

JOURNAL (The) of educational psychology. Balt., v.1, 1910-

JOURNAL of education and of science, art, language, and literature. Cincin., v.1, No. 1, 1859.

JOURNAL of electronic medicine. S. Franc., v.1, 1916-

V.1-7, 1916-26 had title **Physico-clinical medicine**.

JOURNAL (The) of endocrinology. Oxf., v.1, 1939-

JOURNAL of exceptional children. Lansing, Mich., v.5, 1938-

JOURNAL (The) of experimental biology. Lond., v.7, 1930-

V.1-6 had title **British journal of experimental biology**.

JOURNAL (The) of experimental medicine. Balt., v.1, 1896-

JOURNAL of experimental podiatry. N. Y., v.1, No. 2, 1940-

JOURNAL of experimental psychology. Lanc., v.1, 1916-

JOURNAL of experimental therapeutics. Tokyo, v.1, 1923.

JOURNAL of experimental zoology. Phila., v.1, 1904-

JOURNAL (The) of general physiology. Balt., v.1, 1919-

JOURNAL of general psychology. Worcester, Mass., v.1, 1928-

JOURNAL of genetic psychology; child behavior, differential and genetic psychology. Worcester, v.35, 1928-

Formerly **Pedagogical (The) seminary**, v.1-34, 1891-1927.

JOURNAL of genetics. Cambr., Engl., v.1, 1910-

JOURNAL (The) of health and physical education. Ann Arb., v.1, 1930-

JOURNAL of helminthology. Lond., v.6, 1928-

JOURNAL (The) of heredity. Balt., v.5, 1914-

JOURNAL of home economics. Balt., v.18, 1926-

JOURNAL (The) of hygiene. Lond., v.1, 1901-

JOURNAL (The) of immunology. Balt., v.1, 1916-

JOURNAL of industrial and engineering chemistry. Easton, Pa., v.3-14, 1911-22.

Beginning with v.15, 1923, title changes to **Industrial and engineering chemistry**.

JOURNAL (The) of industrial hygiene and toxicology. Balt., v.1, 1919-

— Cumulative index, v.1-17 incl. Ed. by H. Lawson. 406p. 24½cm. Balt., The Williams & Wilkins co., 1936.

JOURNAL (The) of infectious diseases. Chic., v.1, 1904-

JOURNAL international de chirurgie; organe de la Société internationale de chirurgie. Brux., v.1, 1936-

JOURNAL of intravenous therapy. N. Y., v.1, No. 2, 1922-

JOURNAL of investigative dermatology. Balt., v.1, 1938-

JOURNALISM.

See also Bibliography; Literature; Periodical.

Anderson, W. The relation of the profession to the lay press. N. Zealand M. J., 1903, 3: 44-51.—[Anthony, L. P.] Journalistic ethics. J. Am. Dent. Ass., 1942, 29: 263-6.—

Britt, S. H., & Lowry, R. L. Conformity behavior of labor newspapers with respect to the A. F. L.-C. I. O. conflict. J. Social Psychol., 1941, 14: 375-87.—

Dawson, L. H. Newspapers and magazines. Britan. Bk 1942, 480-3.—

Fernández, J. S. La diferencia entre la prensa médica y la profana. Actas Congr. med. nac., Habana, 1911, 2. Congr., 403-6.—

Galt, H. R. The medical profession and the press. Minnesota M., 1926, 9: 545-8.—

Garth, T. R. A statistical study of the contents of newspapers. School & Soc., 1916, 3: 140-4.—

Hoffman, F. L. The mutual relations of life insurance and the medical press. Proc. Am. M. Editors Ass., 1910, 41: 135-51.—

Johnston, D. L. A scientific press bureau. Nature, Lond., 1941, 148: 375.—

Pettit, J. W. The relation of the medical profession to the secular press. Illinois M. J., 1909, 15: 623-32.—

Remlinger, P. Quelques réflexions sur le journalisme médical et la publicité autour des spécialités. Paris méd., 1928, 68: annexe, 242-4.

Abstracts, digests, and translations.

See also **Bibliography; Index; Translation.**

Chompert. Création de revues internationales de médecine. Libro de actas Congr. internac. prensa méd. (1903) 1905, 2. Congr., 58-61.—**Codina Castellvi, J.** Concepto fundamental de los periódicos médicos que, publicándose en su país, están redactados en idioma extranjero. *Ibid.*, 173.—**Einheitliche Abkürzungen bei Anführung der Namen medizinischer Zeitschriften und Werke.** Berl. klin. Wschr., 1921, 58: 627. Also *Deut. med. Wschr.*, 1921, 47: 687.—**Journals abstracted in the current medical literature department.** J. Am. M. Ass., 1937, 108: 2265; 1940, 115: 2319.—**List of abbreviations of journals abstracted.** Jap. J. M. Sc., 1940, 5: H. 3, Path., 1-3.

Censorship, and freedom of thought.

Correspondence in regard to the censorship of scientific journals. Science, 1942, 96: 216-21.—**Houssay, B. A.** Houssay resents censorship of medical periodicals addressed to Argentina. J. Am. M. Ass., 1943, 122: 132.—**Hunter, Q. W.** Ament the freedom and liberty of the press. *Med. Age*, 1906, 24: 128-40.—**Josephson, E. M.** Censorship of the press. In his *Your Life is Their Toy*, N. Y., 1940, 261-75.—**Mellanby, E.** Publication of information likely to be of value to the enemy. *Mag. London School M. Women*, 1939-41, 3: 106.—**Palmer, W. H.** Concerning the need for medical censorship of the lay press. N. York M. J., 1909, 89: 470.—**Register, E. C.** The freedom of the medical press. J. Am. M. Ass., 1917, 68: 629-34.—**Regulamento do Serviço de censura e publicidade sanitária do Departamento estadual de imprensa e propaganda.** *Gaz. clín.*, S. Paulo, 1942, 40: 68-70.—**Renseignements et communiqués.** *Presse méd.*, 1940, 48: 688.—**The freedom of the medical press.** J. Am. M. Ass., 1917, 68: 637-9.

Columns, and sections.

Albright, J. D. Medical book reviews. *Proc. Am. M. Editors Ass.*, 1908, 64-73.—**Blondel, R.** De la place donnée aux comptes-rendus des sociétés savantes dans les journaux médicaux. Libro de actas Congr. internac. prensa méd. (1903) 1905, 2. Congr., 97-102.—**Flagg, P. J.** Scientific discussions. *Anesthesiology*, 1942, 3: 336.—**Nelson, T.** Unsigned reviews. *Lancet*, Lond., 1942, 2: 411.—**Witty, P., Smith, E., & Coomer, A.** Reading the comics in grades VII and VIII. *J. Educ. Psychol.*, 1942, 33: 173-82.

Congresses, expositions, and societies.

Berger, H. Plan eines Deutschen Verbandes für die medizinische Literatur. *Münch. med. Wschr.*, 1914, 61: 315.—**Congrès (Ve) international de la presse médicale.** London, 1913. *Mouvement hyg.*, Brux., 1913, 29: 178.—**Congreso (4.) de la prensa médica latina.** *Rev. méd. Barcelona*, 1936, 25: noticias, 298. Also *Reforma méd.*, Lima, 1937, 23: 106-8.—**Congreso (7.) de la Prensa Médica Cubana.** 16 diciembre 1939. *Bol. Liga cáncer, Habana*, Ed. cien., 1939, 14: 353-6. Also *Rev. tuberc.*, Habana, 1939, 3: 69-71.—**Congresso inter-americano de jornalistas.** Caracas, Dec. 1941. *Brasil med.*, 1941, 55: No. 27, 10.—**Congress of the medical press.** Venice, 1936. J. Am. M. Ass., 1937, 108: 131.—**D., A.** Congrès de la Presse médicale latine, Bruxelles, 28-30 septembre, 1930. *J. sc. méd. Lille*, 1930, 48: pt 2, 308-11.—**Federação da Imprensa médica latina; primeira reunião.** Paris, 28-30 abril, 1927. *Rev. gin. obst.*, Rio, 1927, 21: 281-3.—**Federação de la Prensa médica latina.** In *Acad. nac. med.* (González, E.) Caracas, 1929, 253-7.—**Homenaje (El)** a los reporters de la prensa y al jefe de despacho de la Federación médica de Cuba. *Tribuna méd.*, Habana, 1941, 14: 58-63.—**Margine (In)** del 3. Congreso della stampa medica latina. *Riforma med.*, 1934, 50: 1663-9.—**Mukherjee, K. M. K.** Presidential address of Kaviraj M. K. Mukherjee, at All-India Ayurvedic Journalists' Conference, Bangalore, C. E. Ayurveda, 1938-39, 15: 216-33, portr.—**Paz Soldán, C. J.** Un homenaje valioso y espontáneo de la Asociación de la presse médicale belge. *Reforma méd.*, Lima, 1940, 26: 56.—**Primera Exposición del periodismo guatemalteco.** de 1929 a 1910. *Bol. museos, Guatemala*, 1941-42, 1: 197.—**Statuts de l'Association internationale de la presse médicale.** adoptés par la Conférence de Monaco, 7-9 avril 1902. Libro de actas Congr. internac. prensa méd. (1903) 1905, 2. Congr., 180-5.

Cultural and social value.

See also such headings as **Health education; Research, etc.**; also under names of special fields of medicine.

Benario, L. Zur Soziologie der Zeitung. *Zschr. Völkerpsychol.*, 1926, 2: 125-42.—**Blackman, N.** Mental-hospital newspapers. *Ment. Hyg.*, Alb., 1942, 26: 610-6.—**Brown, L. G.** The press in social disorganization. In his *Social Path.*, N. Y., 1942, 535-58.—**Castañeda, G.** Funciones del periodismo médico. *Bol. cienc. méd.*, Méx., 1913-14, 4: 1-4.—**Chassé, C.** L'humour au front; les journaux médicaux du front britannique. *Chron. méd.*, Par., 1917, 24: 195-8, 2 fig.—**Fenton, F.** The influence of newspaper presentations upon the growth of crime and other anti-social activity. *Am. J. Sociol.*, 1910-11, 16: 342; 538.—**Gregory, J.** An evaluation of medical periodicals. *Bull. M. Libr. Ass.*, 1936-37, 25: 172-88; 1938-39, 27: 242-4.—**Kerr, W. A., & Remmers, H. H.** Cultural value

of representative American magazines. *J. Social Psychol.*, 1942, 15: 347-50.—**Kopetzky, S. J.** The role of state medical journals in organized medicine. *Illinois M. J.*, 1940, 77: 112-8. Also *J. Am. M. Ass.*, 1940, 114: 256-60.—**LeSage, A.** Influence sociale de la presse médicale au Canada. *Union méd. Canada*, 1937, 66: 4-41.—**Malo de Poveda Ecija, B.** Medicina popular ó criterio que debe presidir en los trabajos médicos de índole popular, si ellos han de atender á los fines que les son apropiados. Libro de actas Congr. internac. prensa méd. (1903) 1905, 2. Congr., 104-10.—**Park, R. E.** News and the power of the press. *Am. J. Sociol.*, 1941-42, 47: 1-11.—**Passalacqua, P.** A imprensa e os suicídios e crimes. *Arq. polic. civ. S. Paulo*, 1942, 3: 55-68.—**Pérez Noguera, E.** La prensa médica y los progresos de las ciencias militares. Libro de actas Congr. internac. prensa méd. (1903) 1905, 2. Congr., 148-54.—**Ravdin, I. S.** Cooperative research and priority. *Surgery*, 1941, 9: 132.—**Rohde, A. C.** Adverse publicity. *Am. J. Orthodont.*, 1942, 28: 662 (Abstr.).—**Sprigge, S.** Medical journalism and scientific progress. *J. Am. M. Ass.*, 1928, 91: 1990-3. Also *Long Island M. J.*, 1929, 23: 9-15.—**Subirana, L.** Influencia de la prensa en la cultura profesional. Libro de actas Congr. internac. prensa méd. (1903) 1905, 2. Congr., 175-80.—**Trount, J. M.** The value of medical writing. *Mil. Surgeon*, 1929, 65: 536-40.—**Wilkins, W. D.** Periodicals in education. *Summaries Doct. Diss. Northwestern Univ.*, 1941, 9: 142-5.

dental.

See **Dentistry, Periodicals.**

Editing.

See **Editing.**

Health service.

See also **Health education.**

Bauer, W. W., & Hull, T. G. The newspaper in health education. In their *Health Educ.*, 2. ed., Phila., 1942, 145-65.—**Newspaper health supplements.** *Ibid.*, 154-60.—**Health magazines.** *Ibid.*, 202-4.—**Health bulletins.** *Ibid.*, 204-10.—**Dodson, J. M.** Obtaining maximum results from a health magazine. *Wisconsin M. J.*, 1925-26, 24: 344-p. xxii.—**Health supplements.** *J. Am. M. Ass.*, 1942, 120: 842.—**McPhaul, W. A.** The press and public health. *Health Notes, Jacksonville*, 1938, 30: 163-5.—**Medicine, in the news.** *J. Am. M. Ass.*, 1939, 113: 1647.—**Muller, H. C.** Een Grieksch geneeskundig tijdschrift. *Geneesk. courant*, 1909, 63: 369.—**Newspaper medicine.** *Brit. M. J.*, 1907, 1: 765.—**O'Sullivan, J. L.** The function of the Catholic press in health services. *Hosp. Progr.*, 1943, 24: 78-80.—**Public health and the public press.** *Week. Bull. Oregon Bd Health*, 1942, 20: No. 13, 1-4.—**Tribune medical service.** *Indust. M.*, 1942, 11: 69.

History, and geography.

WEEKLY ROSTER AND MEDICAL DIGEST. Thirty-fifth anniversary edition, 1905-40. 168p. 26cm. Phila., 1940.

Alberti, G. Breve storia di una gazzetta medica. *Riforma med.*, 1939, 55: 425-7.—**A** nos abonnés et lecteurs. *J. méd. Bordeaux*, 1939, 116: pt 2, 293.—**Balardo, G.** En el primer centenario de la prensa médica española. *Siglo méd.*, 1934, 93: 2-8.—**Battaglia, M. I.** Llamado a licitación pública para la impresión del Boletín sanitario y sus Suplementos para el año 1938. *Bol. san.*, B. Air., 1937, 1: No. 11, 786.—**Bello, E.** Cabos sueltos. *Crón. méd.*, Lima, 1934, 51: 9-13.—**Cappelletti, G.** Bullettino chirurgico, oftalmologico e tologico. *Gior. progr. pat.*, Venez., 1842, ser. 2, 1: 89; 182; 271; 429; 566; 701; 1842, ser. 2, 2: 52; 238; 552; 701; 1847, ser. 2, 11: 121; 351; 590; 1847, ser. 2, 12: 146; 356; 688.—**Centenary (The) dinner.** January 25, 1939. *Med. Press & Circ.*, Lond., 1939, 201: 129-37.—**Ciechanowski, S.** [The past and future of Polish medical journals] *Nowiny lek.*, 1938, 50: 715-8.—**Cumpston, J. H. L.** The history of medical journalism in Australia. *Med. J. Australia*, 1939, 2: 1-5.—**Delprat, C. C.** [Dutch medical journals from 1680 to 1857] *Ned. tsehr. geneesk.*, 1927, 71: 3-116.—**Dumas, P.** Les médecins de l'Hôtel-Dieu et la littérature médicale canadienne. *J. Hôtel-Dieu Montréal*, 1942, 11: 479-87.—**Eckman, J.** Minnesota's oldest medical journal. *J. Lancet*, 1940, 60: 60-7, 2 portr.—**Anglo-American hostility in American medical literature of the 19th century.** *Bull. Hist. M.*, 1941, 9: 31-71.—**Edwards, A. D.** An old medical journal [London Medical Repository] *Practitioner*, Lond., 1911, 87: 396-400.—**Esparza, O.** Centenario. *Vilaclara méd.*, S. Clara, 1940, 8: 1-4.—**Exposición de revistas médicas cubanas y libros antiguos editados en Cuba durante un siglo, 1840 a 1940.** Vida nueva, Habana, 1940, 45: 54-68.—**Farewell!** *Lancet-Clinic*, 1916, 116: 517.—**Forgue, N. E.** Le journal médical contemporain; le journaliste médical de notre temps. *Gaz. méd. France*, 1931, 623-31.—**Fraenkel, A.** Vor 50 Jahren. *Wien. klin. Wschr.*, 1937, 50: 1.—**G. H.** Con motivo del centenario de la prensa médica de Cuba. *Bol. Soc. cubana pediat.*, 1939, 11: 715-7, portr.—**Gabbi, U.** Storia ed evoluzione della Stampa Medica Italiana. *Gazz. med. lombarda*, 1929, 88: 170-4.—**Gardner, F. T.** Early California medical journals. *Ann. M. Hist.*, 1939, 3, ser., 1: 325-42.—**Gautier, C.** Rapport annuel

Bull. Soc. méd. hôp. Paris, 1938, 3, ser., 54: 1856-9.—Genty, M. La médecine sous la Révolution; le journalisme médical. Progr. méd., Par., 1934, Suppl., 33-7.—Grimaud de Caux, G. Avant-propos de la troisième année. Gaz. san., Par., 1835, 5: 5.—Hailey, M. Books and newspapers in Africa. In his Afr. Survey, Lond., 1939, 1292-6.—Historia de la prensa médica en Cuba. Anuario med. social Cuba, 1937, 1: 53-60.—Horner, N. G. Medical journalism in the British Empire. Lancet, Lond., 1932, 2: 273.—Inman, S. G. Historical development of the journal in Latin America. Digest Proc. Conf. Interamer. Relat. Pub. Libr., 1940, 23-6.—Kirkpatrick, T. P. C. The Dublin medical journals. Irish J. M. Sc., 1932, ser. 6, 243-60, 7 ports.—Krumhaar, E. B. Early medical journalism in North America. Congr. internat. hist. méd., 1932, 66.—Lafont, J. Les débuts du journalisme médical italien. Progr. méd., Par., 1926, 41: 1847.—Lefanu, W. R. British periodicals of medicine; a chronological list. Bull. Inst. Hist. M., Balt., 1937, 5: 735-61.—British periodicals of medicine, a chronological list, part 2, 1900-38. Ibid., 1938, 6: 614-48.—Lévy-Valensi, J. Les origines de la presse médicale française. Presse méd., 1936, 44: 2124.—Histoire de la presse médicale française au XVII^e siècle. Ibid., 1937, 45: 1503-5; 1938, 46: 1229; 1939, 47: 115-7.—Maragliano, E. Dopo cinquant'anni. Clin. med. ital., 1912, 51: 1-5.—Maria Moors Cabot awards to South American newspapers. Bull. Panamer. Union, 1939, 73: 699-703.—Martínez de la Cruz, F. Unificación de la prensa médica cubana. Bol. Col. méd. Camagüey, 1939-40, 2: 147-9.—Mexican medical journals. Bull. M. Libr. Ass., 1941-42, 30: 223.—Oliaro, T. Per il progresso della stampa medica; relazione al III Congresso nazionale della stampa medica, Milano, 2-5 Giugno 1940-XVIII. Minerva med., Tor., 1940, 31: pt. 1, varia, 532-8.—Pascalis, F. Medical Repository, (N. Y.) Observ. sc. méd., 1823, 5: 52.—Pazzini, A. Leggende il primo fascicolo del Giornale dei Letterati. Roma, 1668. Athena, Roma, 1939, 8: 183-5.—Pilcher, J. E. Military medical journalism at the beginning of the 20th century. Columbus M. J. 1904, 28: 289-95.—Polish medical journal continues publication in London. J. Am. M. Ass., 1941, 117: 1371.—R., Z. Deutsches medizinisches Schrifttum vor hundert Jahren. Wien, med. Wschr., 1940, 90: 851-3.—Revistas y periódicos que en Venezuela han servido a la divulgación y al progreso de las ciencias médicas. In Acad. nac. med. (González, E.) Caracas, 1929, 257-60.—Runge, E. Aus den Anfängen des deutschen medizinischen Zeitschriftenwesens. Med. Welt, 1937, 11: 950; 984; 1019.—Saucier, J. Petite histoire du journalisme médical au Canada français. Union méd. Canada, 1936, 65: 1039-49; 1937, 66: 521-5.—Seventy-five years of progress. Good Health, 1941, 76: 3.—Silva Carvalho, A. da. O jornalismo médico português e a medicina contemporânea. Med. contemp., Lisb., 1932, 50: 1-13.—Histoire de la presse médicale au Portugal. Ibid., 1936, 54: 299-304.—Twentieth anniversary, 1920-40. Am. J. Obst., 1940, 40: 545.—Varanini, M. Parma e il giornalismo medico. Med. ital., 1934, 15: 811-37.—Wickersheimer, E. A propos d'un index chronologique des périodiques médicaux de France de 1679 à 1856. France méd., 1908, 55: 377.

— Legal aspect.

See also Copyright.

Contributions from members in the services; a reminder. Radiography, Lond., 1941, 7: 103.—Hagood, N. Criminal newspaper alliances with fraud and poison. Collier's, N. Y., 1905, 25: No. 15.—Pulido, A. Rapports entre la presse médicale et les pouvoirs de l'Etat. Libro de actas Congr. internac. prensa méd. (1903) 1905, 2, Congr., 50-8.—Tesar, O. Ueber Pressrecht. Arch. Krim., 1910, 39: 99-110.—Vaca del Pozo, T. N. El periodismo y las leyes de imprenta periodismo sindical. Rev. Univ. Guayaquil, 1940, 11: 481-657.

— Literature.

See Literature.

— Management [incl. circulation, distribution, etc.]

Bolles, E. D. Concerning plan to supply medical journals to colleagues in military service. California West. M., 1942, 57: 337.—Franzen, R., & Politz, A. Method for determining number of readers per copy of a magazine circulation. J. Appl. Psychol., 1942, 26: 477-81.—H., C. F. Problems of distribution in periodical dental literature. J. Am. Coll. Dentists, 1942, 9: 263-5.—Jenkins, R. L. Cost analysis of medical periodicals. Bull. M. Libr. Ass., 1934, 22: 115-30.—Report of the Committee on the cost of current medical periodicals. Ibid., 213-9.—Seidell, A. Medical literature to China. Current List M. Liter., 1942, 2: No. 7, 2.—Tree, M. Present discontents. Brit. M. J., 1941, 2: 92.—Wakeman, S. The costs of medical journals. Science, 1924, n. ser., 60: 590.

— medical and scientific.

LUSTENBERGER, P. *Schweizerische medizinisch-naturwissenschaftliche Zeitschriften von 1751-1871; ihre Bedeutung und ihre Ziele. 85p. 8°. Zür., 1927.

Allotments and careers. Lancet, Lond., 1939, 1: 292.—Aronstam, N. E. A plea for the independence of medical journalism. Med. Rec., N. Y., 1942, 155: No. 3, 8.—Arceaga, J. F. Nuestra prensa y las sociedades médicas. Rev. med. cir. Habana, 1917, 22: 537-40.—Bastler, A. The special medical journal. J. Am. M. Editors Ass., 1915, 2: 12-4.—Butter, G. F. The medical journal from the standpoint of an outsider. Proc. Am. M. Editors Ass., 1908, 47-57.—Casey, A. E. Influence of individual North American and British journals on medical progress in the United States and Britain. Bull. M. Libr. Ass., 1941-42, 30: 464-6.—[Certain problems of medical journals] Vrach. delo, 1941, 23: 322.—Cile, G. W. Medicine and the press. Cleveland M. J., 1909, 8: 264-7.—Doctor (The) and his state medical journal. J. Kansas M. Soc., 1941, 42: 477.—Efforts to unite the Belgian medical press. J. Am. M. Ass., 1941, 116: 2881.—Fewer medical journals. Lancet, Lond., 1940, 2: 400.—Garrison, F. H. The medical periodical and the scientific society. N. Orleans M. & S. J., 1914.—Grains and scruples. Lancet, Lond., 1936, 2: 1485-7.—Harding, T. S. The sad estate of scientific publications. Am. J. Sociol., 1941-42, 47: 593-601.—The problem of inarticulate science. Med. Rec., N. Y., 1942, 155: No. 4, 20.—Hewitt, R. M. Two and two do not make five. Mod. Hosp., 1936, 46: No. 6, 53-6.—Hofmeyr, H. O. Literature for our ambulances. S. Afr. M. J., 1942, 16: 424.—Ide, M. L'américanisation scientifique. Rev. méd., Louvain, 1928, 77.—Jewett, F. B., Harrison, R. G., & Eisenhart, L. P. Advisory Committee on Scientific Publications. Science, 1942, 95: 166.—Kollarits, J. Der energetische Imperativ (Ostwald) und die medizinischen Zeitschriften. Wien. klin. Wschr., 1913, 26: 758.—Kosmak, G. W. The functions of a state medical association journal. Bull. Lying-in-Hosp. N. York, 1917, 11: 126-30.—Lake, G. B. The function of the independent medical journal. Clin. M. & S., 1939, 46: 82-4.—Leary, T. Medical investigation and newspaper methods. N. York M. J., 1909, 89: 460.—Mayer, C. F. Medical journals. Bull. M. Libr. Ass., 1941-42, 30: 181.—Medical journals and medical progress. J. Am. M. Ass., 1943, 121: 132.—Mellish, M. H. Medical journals from the standpoint of the contributor. J. Lancet, 1917, 37: 568-70.—Mommencu y López Reynoso, J. La prensa y la cultura médica. Libro de actas Congr. internac. prensa méd. (1903) 1905, 2, Congr., 161-4.—Monro, T. K. Some notes on medical journalism. Glasgow M. J., 1928, 109: 133-7.—Part-time (From a) professor. Lancet, Lond., 1939, 1: 537; 597; 661; 717.—Pini. Organizzazione della stampa medica. Italia san., 1909, 5: 355.—S., F. C. Medical journalism and war. Philadelphia M., 1942-43, 38: 63.—Santos Fernández, J. La Prensa, las asociaciones, y los congresos médicos en Cuba. Crón. méd. quir. Habana, 1911, 31: 102-5.—Futuras orientaciones de la Prensa Médica respecto del Hispano-americanismo y el Pan-americanismo científicos. Rev. méd. cubana, 1919, 30: 201-9.—Sherwood, K. K. Relative value of medical magazines. Northwest M., 1932, 31: 273-6.—Simmons, G. H. Medical periodical literature. Bull. Soc. M. Hist. Chicago, 1917-22, 2: 343-59.—Skvortsov, V. I. [New phase in the development of medical journalism] Farm. & toks., Moskva, 1941, 4: 3.—Smith, C. A. Development and problems of a state medical journal. Bull. M. Libr. Ass., 1940-41, 29: 81-5. Also Northwest M., 1941, 40: 21-3.—Sprigge, S. Medical journalism. Glasgow M. J., 1928, 109: 119-9.—Some forgotten medical journals. In Doctors in Shirt Sleeves (H. Bashford) N. Y., 1940, 191-206.—Viassitudes (The) of war. N. England J. M., 1943, 228: 236.

— Publishing and printing.

See also Printing; Publishing.

Barkhorn, H. C. Report of the publication committee. J. M. Soc. N. Jersey, 1934, 31: 269-72.—Bieser, W. P. The company magazine. Personnel J., 1938-39, 17: 56-9.—C., R. Off the record twins and mice; 2 more publicational ghosts. J. Hered., 1942, 33: 16.—Crozier, W. J. A suggestion as to method of publication of scientific papers. Science, 1922, n. ser., 55: 388.—Emerson, R. A. Topsyting the maize ghost. J. Hered., 1942, 33: 92.—New methods of scientific publication and bibliography. J. Am. M. Ass., 1936, 107: 357.—Sarton, G. O columns! Isis, Menasha, 1942-43, 34: 3.

— Reading and collection of journals.

See also Literature; Library; Reading.

American libraries and foreign periodicals. Science, 1943, 97: 36.—Bradford, W. H. Putting a journal club on a permanent basis. Med. Bull. Veterans Admin., 1942-43, 19: 333.—Conservation of scholarly journals. N. England J. M., 1942, 226: 362. Also Phytopathology, 1942, 32: 266.—Conservation of scientific and technical periodicals. Nature, Lond., 1943, 151: 512.—Flesch, R. F. Estimating the comprehension difficulty of magazine articles. J. Gen. Psychol., 1943, 28: 63-80.—Jenkins, R. L. Periodicals for medical libraries. J. Am. M. Ass., 1931, 97: 608-10.—Jones, H. W. The National Research Council Committee on procurement of scientific periodicals. Bull. M. Libr. Ass., 1941-42, 30: 126.—Librarians ferret out Axis journals valuable to U. S. wartime research. Spec. Libr., Newark, 1943, 34: 94.—Meyer, D. A. Keeping up with scientific literature. Am. J. M. Techn., 1942, 8: 45-9.—Miller, E. M. Dates of receipt of the Ohio Journal of Science in the Ohio State University Library. Ohio J. Sc., 1942, 42: 236.—Oster, W. Note on the use of a medical journal.

West, Canada M. J., 1907, 1: 1-3.—Price, J. P. Medical journals dull reading? *Med. Ann.* District of Columbia, 1943, 12: 76.—Van Vleck, J., jr. & Wolf, U. Reader-appeal of religious articles. *Am. Sociol. Rev.*, 1942, 7: 828-32.

— Writing and style.

See Writing.

JOURNAL (The) of juvenile research. Claremont, Calif., v.12, No. 3, 1928—

Formerly **Journal (The) of delinquency**, v.5-12, No. 2, 1920-28.

JOURNAL (The) of laboratory and clinical medicine. S. Louis, v.1, 1915—

Two periodicals celebrate anniversaries. *J. Am. M. Ass.*, 1940, 115: 1638.—Vaughan, W. T. We celebrate our Silver Anniversary. *J. Lab. Clin. M.*, 1940-41, 26: 1-3.

JOURNAL (The) lancet. Minneap., v.32, 1912—

JOURNAL (The) of laryngology and otology. Lond., v.36, 1921—

Formerly **Journal of laryngology and rhinology**, v.1-5, 1887-91; **Journal of laryngology, rhinology, and otology**, v.6-35, 1892-1920.

JOURNAL of mammalogy. Balt., v.1, 1919—

JOURNAL de médecine, années 1781, 1785-7; traduit de l'Anglois par Marie Gabriel Masuyer. 4v. 20cm. Dijon, E. Bidault, 1785-89.

English title *London journal of medicine*.

JOURNAL de médecine de Bordeaux et du Sud-Ouest. Bord., v.8, 1878—

Formerly **Journal de médecine de Bordeaux**, v.8-95, No. 17, 1878-1923; beginning with v.95, No. 18, 1923, full title **Journal de médecine de Bordeaux et du Sud-Ouest**.

JOURNAL de médecine, chirurgie et pharmacie de Toulouse. Toulouse, 2. sér. v.5, 1855; 3. sér. v.2-3, 1857; 4. sér. v.1-5, 1862-66.

JOURNAL de médecine et de chirurgie pratiques. Par., v.1, 1830—

Cent ans du Journal de médecine et de chirurgie pratiques à l'usage des médecins praticiens. *J. méd. chir.*, Par., 1930, 101: 725-35.—Chauffard, A. Tradition et progrès. *Ibid.*, 742-4.

JOURNAL de médecine de Lyon. Lyon, v.1-11, 1841-46; [2. sér.], v.1, 1864—

JOURNAL de médecine de Paris. Par., v.1-15, 1881-88; 2. sér., v.1, 1889—

JOURNAL de médecine vétérinaire. Lyon, v.1-22, 1845-66.

v.4, 1848; v.18-19, 1862-63, missing.

JOURNAL médical [Russian text] Kiev, v.4, 1934—

JOURNAL (Le) médical français. Par., v.1, 1907—

JOURNAL (The) of medical practice. Phila., v.1, 1936—

JOURNAL of medical reform; for the people and the profession; American journal of medical reform. v.5, Nos. 1-5, May-September 1857.

141p. 8°. N. Y., H. M. Sweet, 1857.

v.1-4, had title *American Journal of medical reform*.

JOURNAL (The) of medicine. Cincin., v.7, No. 11-v.22, No. 9, 1927-41.

Formerly **Cincinnati journal of medicine**, v.1-7, No. 10, 1920-27. With v.22, No. 10, 1941, title changed again to **Cincinnati journal of medicine**.

JOURNAL médico-biologique. Moskva, v.1, 1925—

JOURNAL (The) of mental science. Lond., v.4, 1857—

Formerly **Asylum (The) journal of mental science**, v.2-3, 1855-57.

JOURNAL (The) of metabolic research. Morristown, N. J., v.1, 1922—

JOURNAL of microbiology. Kiev, v.6, 1939—

JOURNAL of morphology. Phila., v.52, 1931—

v.1-51, 1887-1931, had title *Journal of morphology and physiology*.

JOURNAL of morphology and physiology. Phila., v.1-51, 1887-1931.

Beginning with v.52, 1931, title reads *Journal of morphology*.

JOURNAL (The) of nervous and mental diseases. Albany, v.1, 1876—

JOURNAL de neurologie et de psychiatrie. Brux., v.29-32, 1929-32.

Formerly **Journal de neurologie**, v.1-11, 1895-1911. Subtitle varies; with v.33, 1933, changed title to *Journal belge de neurologie et de psychiatrie*.

JOURNAL of neurology and psychiatry. Lond., n. ser., v.1, 1938—

JOURNAL (The) of neurology and psychopathology. Lond., v.1, 1920—

JOURNAL of neuropathology and experimental neurology. Balt., v.1, 1942—

JOURNAL of neurophysiology. Springf., Ill., v.1, 1938—

JOURNAL (The) of nutrition. Phila., v.1, 1928—

JOURNAL (The) of obstetrics and gynaecology of the British Empire. Manchester, v.1, 1902—

JOURNAL d'obstétrique et de gynécologie pratiques. Par., v.2, 1931—

JOURNAL (The) of ophthalmology, otology and laryngology. N. Y., v.1, 1889—

Suspended 1904-10.

JOURNAL of oral surgery. Chic., v.1, 1943—

JOURNAL (The) of organic chemistry. Balt., v.1, 1936—

JOURNAL (The) of organotherapy. N. Y., v.5, 1920—

JOURNAL (The) of oriental medicine. Dairen, v.2, 1924—

JOURNAL (The) of orthopaedic surgery. Lincoln, Neb., v.1-3, 1919-21.

Formerly *American journal of orthopaedic surgery*. Beginning with v.4, 1922, title reads *Journal (The) of bone and joint surgery*.

JOURNAL (The) of osteopathy. Kirksville, Mo., v.3, 1896—

JOURNAL of the outdoor life. Camden, N. J., v.2, 1905—

JOURNAL (The) of parapsychology; a scientific quarterly dealing with extra-sensory perception and related topics. Durham, v.7, 1943—

JOURNAL (The) of parasitology. Lanc., v.1, 1914—

JOURNAL (The) of pathology and bacteriology. Lond., v.1, 1892—

JOURNAL (The) of pediatrics. S. Louis, v.1, 1932—

JOURNAL (The) of periodontology. Birm., Mich., v.2, 1931—

JOURNAL de pharmacie et de chimie. Par., 3. sér., v.1-46, 1842-64; 4. sér., v.1-30, 1865-79;

5. sér., v.1-30, 1880-94; 6. sér., v.1-30, 1895-1909; 7. sér., v.1-29, 1910-24; 8. sér., v.1, 1925—

Formerly *Bulletin de pharmacie*, 1. sér., 1809-14, and *Journal de pharmacie et des sciences accessoires*, 2. sér., v.1-27, 1815-41.

JOURNAL (The) of pharmacology and experimental therapeutics. Balt., v.1, 1909—

JOURNAL (The) of philosophy. Lanc., v.18, 1921—

v.1-17, 1904-20, had title *Journal of philosophy, psychology and scientific methods*.

JOURNAL (The) of physical chemistry. Balt., v.23, 1919—

JOURNAL of physical education. N. Y., v.25, 1927—

Formerly *Physical training*, v.13-24, 1916-27.

JOURNAL de physiologie et de pathologie générale. Par., v.1, 1899—

Formerly *Archives de physiologie normale et pathologique*.

JOURNAL (The) of physiology. Lond., v.1, 1878-

JOURNAL (The) of physiology of U. S. S. R. Moskva, v.13, 1930-

JOURNAL (Le) de physique et le radium. Par., 6. sér., v.1, 1920-

JOURNAL des praticiens [at head of tp.: *Revue générale de clinique et de thérapeutique*] Par., v.1, 1887-

JOURNAL (The) of preventive medicine. Balt., v.1-6, 1926-32.

JOURNAL für Psychologie und Neurologie. Lpz., v.1, 1902-

JOURNAL de psychologie, de neurologie et de médecine mentale [Russian text] Moskva, v.1, 1922-

JOURNAL de psychologie normale et pathologique. Par., v.1, 1904-

JOURNAL of psychology. Provincet., v.1, 1935-

JOURNAL de radiologie et d'électrologie. Par., v.1, 1914-

JOURNAL (The) of school health. Buffalo, v.7, 1937-

JOURNAL of science of labour. Kurasiki, Japan, v.5, 1928-

Formerly *Studo (La) por la scienco de laboro*, v.1-4, 1924-27.

JOURNAL des sciences médicales de Lille. Lille, v.1, 1878-

JOURNAL of sexology and psychanalysis. N. Y., v.1-2, 1923-24.

JOURNAL of social hygiene. Albany, v.8, 1922-

Formerly *Social hygiene*, v.1-7, 1914-21.

JOURNAL (The) of social psychology, political, racial, and differential psychology. Worcester, v.1, 1930-

JOURNAL (The) of speech disorders. Columbus, v.1, 1936-

JOURNAL (The) of State medicine. Lond., v.1, 1892-

JOURNAL (The) of thoracic surgery. S. Louis, v.1, 1931-

JOURNAL de traumatologie et des maladies professionnelles. Brux., v.4, 1940-

JOURNAL (The) of tropical medicine and hygiene. Lond., v.1, 1898-

Formerly *Journal (The) of tropical medicine*. Beginning with v.10, 1907, full title is *Journal (The) of tropical medicine and hygiene*.

JOURNAL d'urologie médicale et chirurgicale. Par., v.1, 1912-

Formerly *Annales des maladies des organes génito-urinaires*.

JOURNAL (The) of urology. Balt., v.1, 1917-

JOURNE, Ernest Alexandre, 1890- *Les formes bénignes ou de moyenne gravité de la fièvre aphteuse; contribution à l'étude et au traitement de leurs complications [Alfort] 71p. 8° Par., Vigot fr., 1928.

JOURNE, Henri, 1908- *Etude expérimentale du paludisme dans la malarithérapie. 78p. 8° Par., C. Serre, 1932.

JOURNE, Maurice. Précis de pathologie médicale. 1269p. 4° Par., A. Maloine, 1923.

— & **DESCHAMPS, Pierre Noël.** Manuel de pathologie médicale. 3. éd. 1702p. 8° Par., Masson & cie, 1935.

JOURNE, Paul, 1909- *Le prélèvement direct intra-bronchique du bacille de Koch; division des crachats, technique et résultats. 39p. 8° Par., Les Presses Modernes, 1937.

JOURNEES (Les) médicales de Bruxelles [6. sess., 1925-]

For reports see special numbers of *Bruxelles médicales*.

JOURNIAC, Raoul, 1900- *Considérations sur la survie. 60p. 8° Par., M. Lac, 1930.

JOURNIAUX, Robert Jules, 1909- *Hygiène et étude sérologique d'une épidémie de fièvre typhoïde [Pharm.] 106p. diagr. 24cm. Lille, Impr. Douriez-Bataille, 1935.

JOUSSEAUME, Félix, 1835-1921.

Lamy, E. Nécrologie. Bull. Soc. zool. France, 1921, 46: 137-40.

JOUSSET, André, 1867-1940. La tuberculose; étude pratique; traitement par l'allergine. 141p. 8° Par., G. Doin, 1937.

See also Labey, G. [Nécrologie] Presse méd., 1940, 48: 876, portr.

JOUSSET, Madame André, 1896- *Etude et traitement de la méningite tuberculeuse. 154p. 8° Par., Masson & cie, 1933.

JOUSSET, Emile Robert Georges, 1902- *Une croisière d'assistance aux pêcheurs de morue à Terre-Neuve et au Groenland; campagne de 1935. 44p. 25cm. Par., Impr. Spéciale de Banque, 1937.

JOUE, Alphonse Jean, 1909- *Les données actuelles du problème hérédité-contagion; l'enquête généalogique moyen d'étude de la tuberculose infantile et les recherches modernes. 126p. 25cm. Bord., J. Bière, 1934.

JOUE, André X. [M. D., 1936, Marseille] Les endocardites malignes prolongées. 356p. illust. 8° Par., Masson & cie, 1936.

JOUE, Charles, 1911- *Etude des variations du taux du coefficient de Maillard, du poids, et de la diurèse chez les femmes présentant des vomissements graves de la gestation; 20 graphiques correspondant à 20 observations. 42p. 25½cm. Lyon, M. & L. Riou, 1938.

JOUE, Charles Joseph Antoine, 1902- *Contribution à l'étude du pH gastrique. 70p. 8° Par., A. Legrand, 1928.

JOUE, Marcelle, 1914- *Le syndrome d'hyperréflexivité sino-carotidienne. 83p. diagr. 25cm. Marseille, M. Leconte, 1939.

JOUEVAUX [Lieutenant] 1872- *Le clavier équin dans la lutte contre les affections parasitaires de l'appareil digestif chez le cheval [Alfort] 48p. 8° Le Mans, Impr. Drouin, 1928.

JOUX, Lucien Robert Emmanuel, 1910- *Accidents dus aux différentes voies d'introduction des sérums thérapeutiques et leurs conséquences sur le traitement du tétanus déclaré. 63p. 8° Par., M. Vigné, 1936.

JOUY, Henri, 1905- *La culture du bacille de Koch sur les milieux à l'oeuf (méthode de Loewenstein) 106p. 8° Par., G. Doin & cie, 1934.

JOVA y Jova, Andrés M. [M. D., 1914, George Washington Univ.] Medical report prepared by Dr A. M. Jova, physician for the Central San Isidro, near Quemado de Guines, Santa Clara Province, Cuba. 33 l. 8° Cienfuegos, Cuba, 1935.

Typewritten.

JOVANOVIC-BATUT, Milan, 1847-1940. Stampar, A. [Obituary] Lijeć. vjes., 1940, 62: 463.

JOVICIN, Zivanka, 1902- *Ueber Devitalisation der Zahnpulpa, insbesondere mit dem Präparat Inoid vom Sächsischen Serumwerk. 22p. 8° Lpz., E. M. Löffler, 1927.

JOWERS, Reginald Francis, -1937.

For obituary see Brit. M. J., 1937, 2: 356, portr.

JOY, Harold Henry, 1892-

For portrait see Nu Sigma Nu Bull., 1942, 31: 115.

JOY.

See also **Emotion; Gelotherapy; Happiness; Laughter; Pleasure.**

Argent, H. We must laugh. *Health Cult.*, N. Y., 1941, 47: No. 6, 18; 57.—**Austregésilo, A.** O cultivo da alegria. *Impr. med.*, Rio, 1941, 17: No. 326, 100.—**Benon, R.** L'émotion joie; délire et joie normale. *Ann. méd. psychol.*, Par., 1923, 83: pt 2, 213-5.—**Pascal, G., & Royer, J.** La joie qui guérit. *Hyg. ment.*, Par., 1935, 30: 157-65.—**Podolsky, E.** A note on the disastrous effects of excessive joy. *Pract. Med.*, Delhi, 1925, 23: 181-3.

JOYCE, James Leonard, 1882-1939.

For obituary see *Lancet*, Lond., 1939, 1: 729; 793.

JOYCE, Thomas Athol, 1878-1942.

Braunholtz, H. J. [Obituary] *Nature*, Lond., 1942, 149: 322.

JOYCE, Thomas Martin, 1885-

For portrait see *Nu Sigma Nu Bull.*, 1940-41, 30: 292; 1942, 31: 335.

JOYES, Paul, 1912-

*Indemnisation des affections rhumatismales en lois de réparation sociale; pensions militaires, accidents du travail et maladies professionnelles. 32p. 24cm. Par., E. Le François, 1939.

JOYET-LAVERGNE [Emile Etienne Felix]

Philippe, 1884- La physico-chimie de la sexualité. xi, 457p. tab. diagr. 22½cm. Berl., Gebr. Borntraeger, 1931.

— La théorie physico-chimique de la sexualité. 102p. 12° Par., G. Doin & cie, 1932.

JOYEUSE, Moïse Abraham, 1733-1816.

Niel, J. G. *Eloge. Observ. sc. méd.*, 1823, 6: 81; 129.

JOYEUX, Charles, 1881-

Précis de médecine coloniale. 831p. 8° Par., Masson & cie, 1927. Also 2. éd. [with **Slisé, A.**] viii, 1250p. illust. 1937.

JOYNT, William Grierson, -1942.

Lynch, J. J. [Obituary] *S. Afr. M. J.*, 1942, 16: 149.

JOZAT, Rudolf, 1905-

*Ueber Veränderungen des Periodontiums durch Entlastung [Berlin] 21p. 8° Münch., J. F. Lehmann, 1933.

JUAN, de Aviñon, fl. 14. century.

Paoli, H. J. Juan de Aviñon medico del seculo XIV. *Riv. stor. sc. med.*, 1939, 30: 1-25.

JUAN ben David [Avendaut] of Toledo

[Hispanus] fl. 1135-53.

Millás, J. Una obra astronómica desconocida; Johannes Avendaut Hispanus. In *Osisir, Bruges*, 1936, 1: 451-75.

JUARROS y Ortega, César, 1880-1942.

Tratamiento de la morfomania. 157p. 12° Madr., S. Calleja, 1920.

For obituary see *Actual. méd.*, Granada, 1942, 18: Sec. var. 66. Also *Rev. psiquiat. crim.*, B. Air., 1942, 7: 481.

JUBE, Louis, 1899-

*La transfusion du sang pur en pratique chirurgicale. 112p. 8° Par., A. Legrand, 1929.

JUBELIN, André, 1897-

*Contribution à l'étude de la syphilis de l'estomac. 65p. 8° Par., E. Le François, 1926.

JUBIER, Louis Yves, 1910-

*Sur un procédé de fermeture de la paroi après laparotomie médiane sus-ombilicale (technique de Wilkie) 35p. 8° Par., Presse univ., 1934.

JUBILEE volume.

See also **Book; Journalism, medical; Periodical.**

PRATT, J. H. Scientific contributions in honor of Joseph Hersey Pratt on his 65. birthday. 983p. 260mm. [Lancaster] 1937.

Bancroft, W. D. [Jubilee volume] *J. Phys. Chem.*, 46: No. 1, 1942.—**Borries, G. V. T.** Ueber medizinische Festschriften; eine medizinalhistorische und bibliotechnische Studie. *Acta derm. vener.*, Stockh., 1937, 18: 377-88.—**Osterhout** anniversary volume. *J. Gen. Psychol.*, 1942, 25: No. 2.—**Volumi giubileari.** *Minerva med.*, Tor., 1941, 32: varia, pt 1, 310.

JUBREAU, Gaston, 1902-

*La ceinture eutocique dans ses applications pendant a

grossesse et pendant le travail. 96p. 8° Par., Jouve & cie, 1929.

JUCHET, Pierre Louis Charles Joseph, 1904-

*La médication salicylo-soufrée. 139p. 8° Par., M. Vigné, 1930.

JUCHLI, August, 1913-

*Ueber die vorzeitige Lösung der normal inserierenden Plazenta. 133p. 23cm. Dornach-Basel, O. F. Knobel, 1939.

JUCHLI, Eduard, 1903-

*Beitrag zur Kenntnis der Choanalatresie [Zürich] 44p. 8° Uznach, K. Oberholzer, 1931.

JUCHUM, Martin, 1898-

*Beitrag zur Biologie der Schwangerschaft; die Neutralisationsvorgänge im schwangeren Organismus [Freiburg] 17p. 8° [n. p.] 1926.

JUCKENACK, Adolf, 1870-

Bömer, A., & König, J. [Biography] *Zschr. Untersuch. Lebensmitt.*, 1930, 59: 129-31, portr.

JUCKER, Ernst, 1903-

*Ein Beitrag zur Kenntnis der Cryptotoxine. 20p. 8° Zürich, A. Markwalder, 1931.

JUCKER, Paul [M. D., 1935, Genève]

*Ueber die Nekrose in der arteriosklerotischen Platte und ihre Beziehung zum Atherom [Genève] p.301-33. 8° Würzb., H. Stürtz, 1935.

Also *Virchows Arch.*, 1935, 295:

JUD, Karl [M. D., 1893, Zürich] *Beitrag zur Lehre von der Lebenstätigkeit unzeitig geborener menschlicher Früchte [Zürich] 59p. 8° Bruggen, J. Hauser, 1893.

JUDAISM.

See under **Jew.**

JUDD, Aspinwall, 1868-1942.

For obituary see *J. Am. M. Ass.*, 1942, 119: 362.

JUDD, Edward Starr, 1878-1935.

Adson, A. W. [Obituary] *Tr. West. Surg. Ass.*, 1935, 45: 569-73.—**Balfour, D. C.** Obituary. *Tr. South. Surg. Ass.*, 1935, 48: 447-40, portr.—[Biography] *Minnesota M.*, 1936, 19: 62, portr.—**Cottam, G.** [Obituary] *J. Lancet*, 1935, 55: 810, portr.—**Lewis, D.** [Biography] *Tr. Am. Surg. Ass.*, 1936, 54: 431-3, portr.—**Memoir.** *Ann. Surg.*, 1936, 104: 798-800, portr.—[Necrology] *P. verb. Congr. Soc. internat. chir.*, 1936, 10. Congr., 1: 140-2.—[Obituary] *J. Am. M. Ass.*, 1935, 105: 1930. Also *Pennsylvania M. J.*, 1935-36, 39: 252.—**Wangenstein, O. H.** Memorial tribute to Dr E. Starr Judd. *J. Lancet*, 1936, 56: 570.

For portrait see *Tr. West. Surg. Ass.*, 1929, 39: front. Also *Mississippi Doctor*, 1934-35, 12: No. 7, 36; No. 9, 8.

JUDD, Gerrit Parmelee, 1828-73.

Halford, F. J. [Biography] *Ann. M. Hist.*, 1935, 7: 156-63, portr.

JUDD, Harold D., 1888-1939.

Ohlsson, G. O. [Obituary] *Optic. J.*, 1939, 76: No. 3, 18.

JUDD, Homer, 1820-90.

Thorpe, B. L. Homer Judd, a scholarly pioneer leader, organizer, teacher, and editor of St Louis. In his *Biogr. Pioneer Am. Dentists*, Chic., 1909, 384-91, portr.

For portrait see in *Hist. Dent. Surg.* (Koch, C. R. E.) Chic., 1909, 1: 456.

JUDD, James Robert, 1876-

[Biography] In *Biogr. Encycl. World*, 2. ed., N. Y., 1942, 222.

JUDD, Richard William, 1910-

*The Kettering hypertherm in chorea of Sydenham [Milwaukee Co. General Hosp.] 14 l. 28cm. Wauwatosa, 1939. Typewritten.

JUDE, Gabriel, 1902-

*Contribution à l'étude des accidents observés à la suite de l'injection intra-veineuse de vaccin anti-chaucelleux de Nicolle. 51p. 8° Par., M. Lac, 1931.

JUDE, André Victor Georges, 1908-

*Contribution à l'étude des intoxications chroniques par le manganèse. 118p. 8° Par., M. Vigné 1934

JUDEL, René-François, 1739-1828.

Delaunay, P. Un médecin maire de Chartres sous la Révolution; René-François Judel. *Bull. Soc. fr. hist. méd.*, 1928, 22: 233-54.

JUDET, Jean, 1905- *Technique, indications et résultats éloignés de la greffe ankylosante du rachis dans le traitement des scolioses. 78p. 8° Par., E. Le François, 1935.

JUDET, Robert Louis, 1909- *Traitement chirurgical des pieds-bots de l'adulte. 163p. 8° Par., L. Arnette, 1937.

JUDGE.

See also **Judgment, judicial; Jurist.**

Castellanos, I. La formación científica del juez del crimen. *Rev. med. forense, Habana*, 1941, 1: 81-8.—**Delmas, J.** A propos de l'article du Professeur Mauriac sur les mauvais juges. *Presse méd.*, 1937, 45: 325.

JUDGMENT.

See also **Doubt; Ethics; Logic; Reasoning; Thought.**

BLUMENFELD, W. Urteil und Beurteilung. 623p. 8° Lpz., 1931.

BRIDGES, J. W. An experimental study of decision types and their mental correlates. 72p. 8° Princeton, 1914.

ROGERS, S. The anchoring of absolute judgments. 42p. 25½cm. N. Y., 1941.

STEVANOVIĆ, B. P. An experimental study of the mental processes involved in judgment. 138p. 8° Camb., 1927.

Brit. J. Psychol., 1927, No. 12, Monogr. Suppl.

VOGEL, P. *Untersuchungen über die Denkbeziehungen in den Urteilen des Schulkindes. 65p. 8° Giessen, 1911.

Asch, S. E., Block, H., & Hertzman, M. Studies in the principles of judgments and attitudes; 2 basic principles of judgment. *J. Psychol., Provincet.* 1938, 5: 219-51.—**Blumenfeld, W.** Las leyes psicológicas de la calificación. *An. Inst. psicol. B. Aires*, 1938, 2: 267-96.—**Boodin, J. E.** Truth and agreement. *Psychol. Rev.*, 1909, 21: 55-66.—**Boring, E. G.** On the computation of the probable correctness of differences. *Am. J. Psychol.*, 1917, 28: 454-9.—**Bovet, P.** L'étude expérimentale du jugement et de la pensée. *Arch. psychol., Genève*, 1908-09, 8: 9-48.—**Chen, H. P.** Sex differences in simple syllogistical judgment. *J. Genet. Psychol.*, 1937, 50: 3-13.—**Claremont, C. A.** The psychology of proof. *Rep. Brit. Ass. Advancem. Sc.*, 1935, 438.—**Cohen, N. E.** The relativity of absolute judgments. *Am. J. Psychol.*, 1937, 49: 93-100.—**Coover, J. E.** The influence of mental habit upon judgment. In his *Exp. Psychic. Res.*, Stanford Univ., 1917, 230-90.—**Cummings, J. D.** Variability of judgment and steadiness of character. *Brit. J. Psychol.*, 1938-39, 29: 345-69.—**Dürr, K.** Ist es wahr dass 2 x 2 = 4 ist? eine experimentelle Untersuchung von Fred Bon. *Erster Band: Von den Begriffen den Urteilen und der Wahrheit.* *Arch. ges. Psychol.*, 1915, 34: 208-34.—**Eysenck, H. J.** The validity and reliability of group judgments; reply. *J. Exp. Psychol.*, 1941, 29: 427-34.—**Farmer, E.** Concerning subjective judgment of difficulty. *Brit. J. Psychol.*, 1928, 18: Sect. Gen., 438-42.—**Favre, L.** Psychologie et notation des jugements en matières scientifiques et autres. *Rapp. Congr. internat. psychol.* (1909) 1910, 6. Congr., 643-8.—**Fernberger, S. W., & Irwin, F. W.** Time relations for the different categories of judgment in the absolute method in psychophysics. *Am. J. Psychol.*, 1932, 44: 505-25.—**Frank, J. D.** A comparison between certain properties of the level of aspiration and random guessing. *J. Psychol., Provincet.*, 1937, 3: 43-62.—**Guilford, J. P.** The computation of psychological values from judgments in absolute categories. *J. Exp. Psychol.*, 1938, 22: 32-42.— — & **Cotzin, M.** Judgment of difficulty of simple tasks. *Am. J. Psychol.*, 1941, 54: 38-52.—**Gurnee, H.** A comparison of collective and individual judgments of fact. *J. Exp. Psychol.*, 1937, 21: 106-12.—**Hertzman, M.** Studies in the principles of judgments and attitudes; the functional equivalence of 2 differently structured references. *J. Social Psychol.*, 1940, 2: 3-19.—**Höffding, H.** La doctrine des catégories. *Rev. philos. France*, 1924, 97: 321-50.—**Hudson, B. B., & Henry, F.** An integrator of group judgments. *J. Gen. Psychol.*, 1940, 22: 217.—**Hunt, W. A.** Anchoring effects in judgment. *Am. J. Psychol.*, 1941, 54: 395-403.—**Johnson, D. M.** Confidence and speed in the 2-category judgment. *Arch. Psychol.*, N. Y., 1939, No. 241, 7-52.—**Lehman, E. P.** Is judgment necessarily inarticulate? *Surgery*, 1938, 3: 427-9.—**Lindsay, E. E.** Personal judgments. *J. Educ. Psychol.*, 1921, 12: 413-5.—**Lobsien, M.** Ein Test zur Prüfung der Kritikfähigkeit. *Zschr. pädag. Psychol.*, 1919, 20: 231-4.—**Löde, A.** Experimentelle Untersuchungen über die Urteilsfähigkeit und Urteilsbeständigkeit der Schulkinder.

Ibid., 1914, 15: 327; 369.—**McGehee, W.** Judgment and the level of aspiration. *J. Gen. Psychol.*, 1940, 22: 3-15.—**Markey, F. V.** Variations in judgment. *J. Appl. Psychol.*, 1934, 18: 297-303.—**Marzi, A.** L'atteggiamento critico nella età evolutiva ed i reattivi di frasi assurde. *Riv. psicol.*, 1936, 32: 77-90.—**Naville, A.** Du jugement considéré soit comme acte mental, soit comme matériel logique (critique des doctrines reçues) *Rev. philos. France*, 1929, 107: 321-38.—**Osgood, C. E.** Ease of individual judgment-processes in relation to polarization of attitudes in the culture. *J. Social Psychol.*, 1941, 14: 403-18.—**Preston, M. G.** Note on the reliability and the validity of the group judgment. *J. Exp. Psychol.*, 1938, 22: 462-71.—**Smith, B. B.** The validity and reliability of group judgments; discussion. *Ibid.*, 1941, 29: 420-34.—**Störing, G.** Psychologie der disjunktiven und hypothetischen Urteile und Schlüsse. *Arch. ges. Psychol.*, 1926, 54: 23-84.—**Volkman, J., Hunt, W. A., & McGourty, M.** Variability of judgment as a function of stimulus-density. *Am. J. Psychol.*, 1940, 53: 277-84.—**Weber, P. L.** Judgment today. *Psychol. Rev.*, 1937, 44: 264-6.

Comparison.

Freeman, G. L., & Sharp, L. H. Muscular action potentials and the time-error function in lifted weight judgments. *J. Exp. Psychol.*, 1941, 29: 23-36.—**Pauli, R.** Zahl- und Mengenauffassung bei kurzdauernder Darbietung. *Ber. Deut. Ges. Psychol.* (1933) 1934, 13. Congr., 159-62.—**Thurstone, L. L.** A law of comparative judgment. *Psychol. Rev.*, 1927, 34: 273-86.

Disorder.

See also **Delusional states.**

Menninger, K. A. Judgment defect. In his *Human Mind*, N. Y., 1937, 191.—**Peak, H.** Time order error in successive judgments and in reflexes. *J. Exp. Psychol.*, 1939, 25: 535-65; 1940, 26: 103-15.

evaluating.

See also such terms as **Beauty; Esthetics; Ethics, etc.**

Barkley, K. L. Development of the moral judgment of college students. *Character & Personality*, 1941-42, 10: 199-212.—**Barnhart, E. N.** A spaced order of merit for preference judgments. *J. Exp. Psychol.*, 1939, 25: 506-18.—**Glaser, E. M.** An experiment in the development of critical thinking. *Psychol. Bull.*, 1941, 38: 576.—**Gritten, F., & Johnson, D. M.** Individual differences in judging multiple-choice questions. *J. Educ. Psychol.*, 1941, 32: 423-30.—**Haering, T. jr.** Untersuchungen zur Psychologie der Wertung (auf experimenteller Grundlage) mit besonderer Berücksichtigung der methodologischen Fragen. *Arch. ges. Psychol.*, 1913, 26: 269-360.— — Beiträge zur Wertpsychologie, insbesondere zum Begriff der logischen oder Erkenntniswertung. *Ibid.*, 1917-18, 37: 1-73.—**Jones, A. H.** A method for studying moral judgments; further considerations. *Am. J. Sociol.*, 1942-43, 48: 492-7.—**Peters, H. N.** Experimental studies of the judgmental theory of feeling. *J. Exp. Psychol.*, 1938, 23: 1-25; 1939, 24: 111-34.— — The experimental study of aesthetic judgments. *Psychol. Bull.*, 1942, 39: 273-305.—**Remmers, H. H., Karslake, R., & Gage, N. L.** Reliability of multiple-choice measuring instruments as a function of the Spearman-Brown prophecy formula. *J. Educ. Psychol.*, 1940, 31: 583-90.—**Remmers, H. H., & Sageser, H. W.** Reliability of multiple-choice measuring instruments as a function of the Spearman-Brown formula. *Ibid.*, 1941, 32: 445-51.—**Thibaudet, A.** Jugement et gout. *Ibid.*, 1926, 23: 52-67.

judicial.

See also **Evidence; Justice; Jury; Testimony; Witness.**

GAUDET, F. J. Individual differences in the sentencing tendencies of judges. 58p. 8° N. Y., 1938.

Berger, H. Enttäuschende Gerichtsurteile, Fehlerurteile? *Aerzt. Sachverst. Ztg.*, 1937, 43: 47-51.—**Eysenck, H. J.** The validity of judgments as a function of the number of judges. *J. Exp. Psychol.*, 1939, 25: 650-4.—**Hübner, A. H.** Rechtsprechung. *Fortsch. Neur. Psychiat.*, 1934, 6: 41; 76.—**Niceforo, A.** La instrucción judicial en la novela y en la ciencia. *Psiquiat. & crim.*, B. Air., 1941, 6: 265; passim. Also *Rev. psiquiat. crim.*, B. Air., 1941, 6: 587-96.—**Schmitz, W.** Zwei reichsgerichtliche Urteile von grundsätzlicher Bedeutung. *Med. Welt*, 1936, 10: 1705-7.—**Schroeder, T.** Psychologic review of a judicial decision. *Med. Leg. J., N. Y.*, 1927, 44: 8-17.

JUDICE Pargana, Luis Firmino Furtado [M. D., 1888, Lisbon] *Alguns casos de fracturas tratadas pela massagem. 114p. 8° Lisb., Modesto, 1888.

JUDIN, Konstantin Aleksandrovich, 1874-1932.

[In memory of Prof. K. A. Judin.] Sovet. vest. oft., 1932, 1: 407.—Malkin, B. [Biography] Klin. Mbl. Augenh., 1934, 93: 685, portr.

JUDINE, Serge, 1891- La transfusion du sang de cadavre à l'homme. iv, 114p. 8° Par., Masson & cie, 1933.

JUDITH complex.

See also **Complex.**

Gumpertz, K. Der Judith-Komplex; Versuch einer Analyse von Hebbels Judith und Flauberts Salammbô. Zschr. Sexwiss., 1927, 14: 289-301.

JUDO.

See also in 3. ser. **Jiu-Jitsu.**

LOWELL, F. P. Jiu-jitsu. 83p. 24cm. N. Y. [1942]

JUDOVITS, Nikolaus [M. D., 1937, Basel]
*Die Konzentrationsänderungen einer in den Magen injizierten Glucoselösung allein und zusammen mit oberflächenaktiven Stoffen. 16p. 23cm. Basel, J. Neuberger, 1937.

JUDSON, Clara Ingram, 1879- Soldier doctor; the story of William Gorgas, with illustrations by Robert Doremus. 151p. illust. 21½cm. N. Y., C. Scribner's sons, 1942.

JUDSON, Helen, 1900- Edith Cavell. xvii, 288p. portr. 21cm. N. Y., Macmillan co., 1941.

JUDSON, William Henry, 1854-1933.

Todd, F. P. Obituary. Proc. Connecticut M. Soc., 1934, 142: 303.

JUDT, Werner, 1911- *Untersuchungen über die bakteriologische und chemische Beschaffenheit verschiedener Heilschlamm-Sorten. 19p. 8° Marb.-Lahn, H. Bauer, 1935.

JUDY, William Lewis, 1891- Men and things; 50 essays about human nature, the ways of men and their private and public conduct. 117p. illust. 8° Chic., Judy pub. co., 1927.

— A soldier's diary; a day-to-day record in the world war. 216p. illust. 8° Chic., Judy pub. co., 1930.

JUEDELL, Werner, 1908- *Ueber den Einfluss der Blutabsperung auf das Versorgungsgebiet der Arteriae carotides externae [München] 18p. 8° Düsseldorf, G. H. Nolte, 1933.

JUEDT, Gerhard, 1904- *Die Therapie des tuberkulösen Ulcus der Mundschleimhaut. 24p. 8° Freib. i. B. [n. p.] 1931.

JUEHLING, Karl Ernst, 1899- *Untersuchungen über die Behandlung der Taeniasis des Hundes mit Semen Cucurbitae maxime und Semen Cucurbitae peponis [Leipzig] 16p. 8° Dresd., J. Pässler, 1923.

JUEL, Edvard Valdemar, 1840-75,

Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 615.

JUEL, Ivar Albert, 1861-97.

Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 615.

JUELCH, Helmut, 1910- *Ueber einen ungewöhnlichen Misch tumor in der Bauchhöhle [München] 16p. 8° Düsseldorf, G. H. Nolte, 1935.

JUELICH, Albert, 1908- *Gefahren der Operation von Uterustumoren nach Vorbestrahlung. 23p. 8° Bonn, P. Kubens, 1933.

JUELICH, Siegfried, 1900- *Ein Beitrag zur Klinik und Pathologie des primären Tubercinoms [München] 15p. 8° Bochum-Langendr., H. Pöppinghaus, 1932.

JUELKE, Käthe, 1911- *Die Behandlung der Frühgeburtenanämie mit Bluttransfusionen. 32p. 2 tab. 8° Berl., R. Pfau [1938]

JUELL, Hans Lemmich, 1839-99.

Portrait. In Norges laeger (Kobro, I.) Krist., 1915, 1: 616.

JUENEMANN, George Frederick, 1875-1940.
For obituary see California West. M., 1941, 54: 44. Also J. Am. M. Ass., 1941, 116: 644.

JUENEMANN, Karl, 1909- *Untersuchungen über den Einfluss von Silberlösungen auf Fermente, Bakteriengifte, Antigene und Antikörper und über die katalytischen Leistungen derselben Silberlösungen [Leipzig] 19p. 8° Zeulenroda-Thür., A. Oberreuter, 1934.

JUENGER, Alexander. Kleidung und Umwelt in Afrika; eine anthropogeographische Studie, zugleich ein Beitrag zur Frage nach den Grundprinzipien der Tracht. viii, 165p. 4° pl. maps. Lpz., R. Voigtländer, 1926.

JUENGER, Gerhard, 1908- *Ueber Sarkom der langen Röhrenknochen [Kiel] 39p. 8° Köln, Gutenberg-Dr. Verl., 1933.

JUENGER, Rudolf, 1907- *Die Fluoreszenzfarben von Blutseren [Jena] 46p. 8° Eisfeld-Thür., C. Beck, 1936.

JUENGLING, Armin, 1909- *Kasuistische Beiträge über mehrfachen Kindsmord mit Betrachtungen über die Psychologie und strafrechtliche Würdigung des Kindsmordes im allgemeinen [München] 56p. 2 tab. 8° Erlangen, M. Krahel, 1935.

JUENGLING, Robert, 1910- *Ueber Eileiterdurchblasung [Würzburg] 21p. 21cm. Wertheim a. M., E. Bechstein, 1938.

JUENGST, Fritz, 1912- *Häufigkeit, Art Ursache und Dauer der in der Giessener Medizinischen Klinik behandelten Herzerkrankungen von 1931-35. 18p. 21cm. Giessen, J. Christ, 1937.

JUENGST, Werner, 1904- *Die Leichenzerstückelung [Münster] 43p. 8° Quakenbrück, R. Kleinert, 1932.

JUERGENS, Georg, 1870- Grundlagen der Epidemiologie. ix, 165p. 8° Lpz., J. A. Barth, 1936.

JUERGENS, Franz Josef, 1903- *Beitrag zur Behandlung des blutenden Magen- und Zwölffingerdarmgeschwürs [Münster] 54p. 8° Quakenbrück, R. Kleinert, 1931.

JUERGENS, Friedrich Wilhelm [Eduard Wilfried] 1909- *Ergebnisse der Löwensteinischen Salbenmethode bei aktiver Diphtherie-Immunisierung [Würzburg] 19p. 21cm. Wertheim a. M., E. Bechstein, 1937.

JUERGENS, Hanns Dieter, 1906- *Die chronisch ankylosierenden Spondylarthritiden. 40p. 8° Walldorf-Heidelb., F. Lamade, 1931.

JUERGENS [Heinrich] Rudolf [Otto] 1889- *Studien über die kurzfristige Erzeugung von Aortenherden und den Mechanismus des Lungenödems nach resorptiver Anwendung von Chloramin [Göttingen] 27p. 8° Berl., J. Springer, 1921.

Also Zschr. ges. exp. Med., 1921, 25:

JUERGENS, Heinz, 1905- *Beitrag zur Frage der unspezifischen Diphtherie-Resistenz. 16p. 8° Greifswald, E. Panzig & co., 1932.

JUERGENS [geb. Lewien] Heinz [John Otto] 1911- *Ueber den Nachweis von Kupfer bei Kleiderschüssen zur Bestimmung der Schussentfernung. 15p. 22½cm. Greifswald, H. Adler, 1937.

JUERGENS, Huldreich, 1904- *Ueber Magen-Colonfistel und Duodenum-Colonfistel [Kiel] 20p. 8° Dresd., Risse-Verlag, 1934.

JUERGENS, Magdalene, 1909- *Ueber zwei Fälle von Amotio retinae, die durch Tuber-

kulin geheilt wurden [Würzburg] 22p. 8°. Berl., R. Pfau, 1935.

JUERGENSEN, Rudolf, 1897— *Blutstillungsregulationen unter dem Einfluss von Blutegelextrakt [Leipzig] p.74-89. 8°. [Berl., J. Springer, 1928]

Also Zschr. ges. exp. Med., 1928, 63:
Editor of **Rheumatismus**; Sammlung von Einzeldarstellungen aus dem Gesamtgebiet der Rheumaerkrankungen. Dresd., v.1, 1938—

JUERGENSEN, Johann Jacob, 1909—
*Iritis, Iridocyclitis; Ursachen, Störungen und Lebensdauer (eine Untersuchung von 494 Fällen der Kieler Universitäts-Augenklinik aus den Jahren 1907-15. 39p. 8°. [Kiel, n. p., 1934]

JUERGENSEN, Rudolf, 1909— *Echte Endometritis als Blutungsursache [Kiel] 20p. 23cm. Quakenbrück, R. Kleiher, 1937.

JUERGENSEN, Eva, 1902— *Die Wirkung von frischem und defibriniertem Blut auf den Meerschweinchenblutdarm [Freiburg] 8p. 8°. Lpz., Sigall & co. [1931]

JUERGENSEN, Peter, 1821-1907.
Portrait. In Norges laeger (Kobro, L.) Krist., 1915, 1: 616.

JUERGENSEN, Fritz, 1907— *Die Perforation des lebenden Kindes; unter Benutzung des Materials vom 1. 1. 26 bis 1. 1. 33. [München] 23p. 8°. Kallmünz, M. Lassleben, 1934.

JUERJENS, Peter [M. D., 1926, München]
*Ueber Glossitiden. 46p. 8°. München [n. p.] 1927.

JUETERBOCK, Hilde, 1909— *Beiträge zur Dosierungsfrage in der Radiumemanations- und Radiumsalbtherapie. 16p. 23½cm. Berl., Neuland, 1938.

JUETHNER, Julius, 1866— Körperkultur im Altertum. 76p. 8°. Jena, G. Fischer, 1928.
Forms Heft 12 of Jena, med. hist. Beitr., 1928.

JUETTE, Hans, 1911— *Ueber die Spätergebnisse der Lebertherapie bei perniziöser Anämie. 52p. 8°. [Lpz., n. p.] 1935.

JUETTNER, Georg, 1908— *Ein Beitrag zur Kenntnis und Auswertung des leukozytären Blutbildes bei der Knochen- und Gelenktuberkulose. 24p. 21cm. Berl., Denter & Nicolas, 1938.

JUETTNER, Herbert, 1904— *Klinische Erfahrungen über manuelle Placentarlösung und Austastung an 600 Fällen. 43p. 8°. Tüb., Bölzle, 1938.

JUGAL bone.

See Zygomatic bone.

JUGAND, Jean, 1913— *La transfusion sanguine lente continue, perfusion; résultats cliniques. 84p. 24cm. Par., M. Vigné, 1939.

JUGE, Henri. *Les matières plastiques en prothèse dentaire; la Walkerite. 32p. 8°. Genève, L. Jacquard, 1934.

JUGE, Jean, 1901— *De l'application de l'huile de chaulmoogra en général et du chaulmoogra en particulier au traitement des tuberculoses [Paris] 47p. 8°. Tourcoing, Impr. G. Frère, 1927.

JUGE, Pierre, 1897— *L'histamine dans le traitement des rhumatismes et des arthrites. 40p. 24½cm. Marseille, Impr. Ant. Ged, 1938.

JUGE, René, 1899— *De la protection conférée au cheptel indochinois contre la peste bovine par le vaccin avirulent à base de pulpes d'organes. 88p. 8°. Lyon, Bosc fr., 1935.

JUGEL, Karl [Ernst] 1897— *Ueber Hydrometra und Pyometra nach Radiumbestrahlung [Leipzig] 27p. 8°. Waldheim i. S., R. Tünger, 1928.

JUGEL [Rudolf] Gotthard, 1895— *Die Röntgendiagnostik der Gallenblase und ihre operative Kontrolle [Leipzig] 23p. 8°. [Zeulenroda i. Thür., A. Oberreuter] 1929.

JUGEIT, Hans Viktor, 1891— *Ueber Resektion der Leber bei Echinokokkus hydatidus. 20p. 8°. Marb., J. Hamel, 1926.

JUGENHEIMER, R. W. Hybrid corn in Kansas. 20p. 8°. [Topeka] 1939.
Forms Cire. 196, Kansas Agr. Exp. Sta.

JUGERT, Gerhard [Albert Walter] 1910—
*Ueber die erhöhte seelische und körperliche Anfälligkeit der Frau zur Zeit der Menstruation. 24p. 22½cm. Berl., F. Linke, 1938.

JUGIAU, Jean, 1910— *Etude des trompes sténosées par l'insufflation tubaire kymographique avec l'appareil du Dr Louis Bonnet [Paris] 79p. 24cm. Tours, Arrault, 1939.

JUGLANDACEAE.

See also Nut.

Bedford, C. L. & Joslyn, M. A. Oat flour and hexane extract of oat flour as antioxidants for shelled walnuts and walnut oil. Food Res., 1937, 2: 455-69.—**Borsarelli, F.** Sull'azione difensiva dell'estratto di mallo di noce verso le radiazioni luminose e ultraviolette. Pediat. med. prat., Tor., 1931, 6: 97-105.—**Dufrénoy, J.** Bactéries anaérobies et gomose du noyer. C. rend. Soc. biol., 1921, 84: 132.—**Dustman, R. B.** The storage of black-walnut kernels. Food Res., 1936, 1: 247-53.—**Hennig, K. & Ohske, P.** Der Vitamin C-Gehalt der Früchte und Blätter von Juglans regia und Juglans nigra. Biochem. Zschr., 1940, 306: 16-23.

JUGOSLAVIA.

See Yugoslavia.

JUGUET, Lucien, 1909— *Contribution à l'étude du diagnostic du rein en fer à cheval tuberculeux [Bordeaux] 47p. 25cm. Par., Presses modernes, 1933.

JUGULAR bulb.

See also Jugular vein.

LÄMMERHIRT, F. G. *Experimentelle Untersuchungen über den Bulbuspuls [Greifswald] 32p. 8°. Berl., 1931.

Gauger, K. Untersuchungen über die Genese des hochstehenden Bulbus. Arch. Ohr. & Heilk., 1938, 145: 430-9.—**Grossmann, F.** Konstitution und Entwicklung des Bulbus venae jugularis internae. Mschr. Ohrenh., 1937, 71: 1-15.—**Hofmann, R.** Les affluents du golfe de la jugulaire interne. Ann. otol., Par., 1939, 362-70.—**Mackenzie, G. W.** Fibroma arising from the jugular bulb and invading the middle ear and external auditory canal. Laryngoscope, 1928, 38: 232-43.—**Slobodnik, M.** Pulsation und Durchschneiden des Bulbus venae jugularis durch das intakte Trommelfell mit Beschreibung einiger selbst beobachteter Fälle. Zschr. Hals & Heilk., 1927, 19: 240-9.

Surgery.

Casadesus, F. Ma technique pour aborder le golfe de la veine jugulaire. Acta otol., 1932, 17: 292-5.—**Kulenkampff, D.** Zur Indikation und Technik der Unterbindung des Bulbus jugularis bei eitriger Thrombophlebitis. Münch. med. Wschr., 1941, 88: 703.—**McCoy, J.** The surgical treatment of persistent suppuration of the jugular bulb. Ann. Otol. Rhinol., 1916, 25: [Discussion] 732-4.—**Orator, V.** Zur Chirurgie des Bulbus venae jugularis. Arch. klin. Chir., 1926, 140: 299-304.—**Ramadier, J. A.** Technique nouvelle pour atteindre le golfe de la jugulaire. Ann. otol., Par., 1938, 1141-58. Also Rev. laryng., Bord., 1940, 61: 160.—**Von der Hütten, F.** Zur Bulbusoperation nach Tandler. Beitr. Anat. Ohr., 1928, 27: 63 7.—**Wagener, O.** Zur operativen Freilegung des Bulbus venae jugularis. Zschr. Hals & Heilk., 1928, 21: 609-13.

Thrombosis.

See also Jugular vein, Thrombosis; Lateral sinus, Thrombosis; Otitis media; Mastoiditis; Tonsillitis.

DAVID, R. *Contribution à l'étude de la thrombophlébite primitive du golfe de la jugulaire et particulièrement son diagnostic. 162p. 8°. Par., 1932.

EULENBRUCH, W. R. H. J. *Ueber zwei Fälle primärer Bulbusthrombose. 15p. 8°. Tüb., 1927.

SCHARPENBERG, H. *Beiträge zur Symptomatologie und Therapie der otitischen Bulbusthrombose. 44p. 21cm. Bonn, 1937.

Agra, A., & Games, F. Septicopiohemias por tromboflebitis sinusobulbo-yugular; operación. Rev. As. méd. argent., 1935, 49: 202-4. — & Buljevich, L. P. Tromboflebitis sinusobulbo-yugular; operación de Grunert-Tandler. Ibid., 1936, 50: 273-8.—Arkhipov, A. U. K Kazuistiki tromboza poperechnoi pazukhi i vnutrennei yarennoi veni. Med. obozr., 1904, 61: 14-7.—Blumenthal. Zur Behandlung der Thrombose des Bulbus venae jugularis. Berl. klin. Wschr., 1913, 50: 1681.—Carçò, P. Trombosi del bulbo della giugulare e interventi chirurgici relativi. Otorinol., ital., 1937, 7: 459-66.—Decker, L. Un cas de thrombose du golfe de la jugulaire. Otorhinolaryng. internat., Lyon, 1939, 23: 123.—Dei Rossi, A. Sulla trombosi settica del golfo della giugulare. Arch. ital. otol., 1939, 51: 513-9.—Dintenfass, H. Primary jugular bulb thrombosis in the adult. Tr. Coll. Physicians Philadelphia, 1934, 2: 164.—Dixon, O. J. A new technic for the removal of thrombi from the sigmoid sinus and jugular bulb. Ann. Otol. Rhinol., 1931, 40: 539-41.—Druss, J. Primary jugular bulb thrombosis presenting certain unusual features. Laryngoscope, 1927, 37: 439-41.—Dundas-Grant, J. Thrombo-phlebitis of the bulb of the jugular vein and cerebellar abscess; ligation of vein, evacuation of sinus and bulb, drainage of cerebellar recovery. Proc. R. Soc. M., Lond., 1933, 26: 563.—Feldstein, G. J., & Slesinger, H. A. Jugular bulb thrombosis: a case with recovery following ligation of the internal jugular vein, metaphen and antistreptococic serum. Arch. Pediat., N. Y., 1931, 48: 259-69.—Goldman, I. B. Symposium: thrombophlebitis of jugular bulb; thrombophlebitis of the jugular bulb and lateral sinus of nonotitic origin; important ear findings; origin and extension from throat infections. Laryngoscope, 1936, 46: 604-9.—Gondelman-Einstok, I. S. [Treatment of thrombophlebitis of bulbous venae jugularis] Odess. med. J., 1929, 4: 320-4.—Gradenigo. Sulla trombosi isolata del bulbo superiore della giugulare. Boll. mal. orecchio, 1898, 16: 150.—Guminski, W. [Thrombosis of the sigmoid sinus and the bulbous of the jugular vein] Pediat. polska, 1935, 15: 253-8.—Hasselt, E. H. v. [Thrombophlebitis of the transverse sinus, bulbous and jugular vein and cavernous sinus] Geneesk. tschr. Ned. Indië, 1938, 78: 1099-105 pl.—Henkes, C. [Thrombosis of the bulbous venae jugularis] Ned. tschr. geneesk., 1917, 2: 605.—Hofmann, L. Zur Pathologie und Klinik der otogenen Thrombophlebitis des Bulbus Venae jugularis superior. Deut. Zsch. Chir., 1929, 219: 188-97.—Karelitz, S. Thrombosis of the lateral sinus and jugular bulb of nonotitic origin; a new diagnostic sign. Am. J. Dis. Child., 1936, 51: No. 6, 1349-55.—Kerekes, G. [Case of thrombosis of bulbous venae jugularis] Orv. hetil., 1928, 72: 593-5.—Kipro, I. Trombus na bulb, venae jugularis. Srpski arh. celok. lek., 1911, 17: 564-6.—Krepuska, I. Thrombophlebitis des Bulbus venae jugularis. Verh. ungar. ärztl. Ges., 1929, 1: 152. Also Orv. hetil., 1929, 73: 574. — Beiträge zur Klinik und Pathologie der Bulbusthrombose. Acta otolar., Stockh., 1935, 22: 545-56.—McArthur, G. A. D. Otitic venous thrombosis; a case of direct infection of the jugular bulb. Med. J. Australia, 1926, 2: 486.—McDaniel, F. C. Jugular bulb thrombosis, multiple abscesses; recovery. Laryngoscope, 1927, 37: 428-30.—McKenzie, D. Thrombo-phlebitis of the jugular bulb. Proc. R. Soc. M., Lond., 1928-29, 22: Sect. Otol., 73-9. — Thrombo-phlebitis of lateral sinus and jugular bulb; operations on bulb. Ibid., 79.—McKernon, J. F. Primary jugular bulb thrombosis, a further report. Tr. Internat. Otol. Congr., 1912, 9: 317.—Malis, S. Primary jugular bulb thrombosis, with metastasis; operation; recovery. Laryngoscope, 1933, 43: 132-8.—Mason, W. B. Report of a case of infective jugular bulb thrombosis; typhoid bacillus infection. Tr. Am. Lar. Rhin. Otol. Soc., 1912, 18: 451-3.—Maybaum, J. L. Primary jugular bulb thrombosis; postoperative symptoms of intracranial involvement. J. Mount Sinai Hosp. N. York, 1935-36, 2: 243-5. — Symposium: Thrombophlebitis of jugular bulb; thrombophlebitis of the jugular bulb and lateral sinus of nonotitic origin; important ear findings; retrograde extension to the jugular bulb and lateral sinus; diagnosis and management. Laryngoscope, 1936, 46: 610-5. — & Goldman, I. B. Primary jugular bulb thrombosis. Bull. N. York Acad. M., 1928, 2. ser., 4: 524-31. Also Laryngoscope, 1928, 38: 569-84, ch. — Primary jugular bulb thrombosis; a study of 20 cases. Arch. Otolar., Chic., 1933, 17: 70-84.—Melo Filho, G. de. Trombo-flebite primária do golfo da jugular. Arq. Inst. Penido Burnier, 1939, 5: 302-9.—Pick, J. [Bulbus-thrombosis of jugular vein] Orv. hetil., 1937, 81: 533.—Podesta, R., & Tato, J. M. Sobre una nueva observación de tromboflebitis sinusobulbo-yugular. Rev. As. méd. argent., 1934, 48: 1219-22.—Prévot. Sur es thrombo-phlébites sinusobulbo-yugulaires d'origine otique. Marseille méd., 1927, 64: 647-54.—Rosen, S. Thrombophlebitis of jugular bulb; thrombophlebitis of the jugular bulb and lateral sinus of nonotitic origin; important ear findings; report of 3 cases. Laryngoscope, 1936, 46: 602.—Seal, J. C. Primary jugular bulb thrombosis; report of case. Ibid., 1928, 38: 37-40.—Schlander, E. Zur Therapie der otogenen Bulbusthrombose. Wien. med. Wschr., 1927, 77:

1105-7.—Soherr. Bulbusthrombose; Operation; Heilung. Mschr. Ohrenh., 1918, 52: 277.—Tóbi, D. Bulbus thrombosis cured by means of repeated operations. Acta otolar., Stockh., 1939, 27: 441.—Tommasi, I. Tromboflebite del seno laterale... del bulbo e della giugulare da otite media purulenta cronica. Atti Congr. Soc. ital. laring. (1911) 1912, 14: pt 2, 317.—Várady-Szabó, M. Beiträge zur Kenntnis der Bulbusthrombose. Mschr. Ohrenh., 1929, 63: 1183-8. Also Orv. hetil., 1930, 74: 233-6.—Wieder, H. S., & Bates, W. Primary jugular bulb thrombosis with numerous metastatic infections; operation; recovery. Laryngoscope, 1927, 37: 48-51.—Williams, H. L. Primary thrombosis of the jugular bulb. Proc. Mayo Clin., 1935, 10: 369-71.

JUGULAR foramen.

See also Cranium; Occipital bone; Temporal bone.

Fay, T., & Wycis, H. Congenital stenosis of the jugular foramen; report of a case. Arch. Neur. Psychiat., Chic., 1941, 45: 1043.

JUGULAR glomus.

Guild, S. R. A hitherto unrecognized structure, the glomus jugularis, in man. Anat. Rec., 1941, 79: Suppl., No. 2, 28.—New anatomical structure found in head. Diplomate, 1942, 14: 205.

JUGULAR vein.

See also Jugular bulb.

Bhaduri, J. L. Observation on the course of the facial vein and the formation of the external jugular vein in an American bullfrog Rana catesbeiana. Anat. Anz., 1938, 86: 170-2.—Chermi Bey & Ibrahim Bey. Veine jugulaire externe traversée par un rameau nerveux. Ann. anat. path., Par., 1928, 5: 711.—Dischoek, H. A. E. van. Nasenplethysmometrie als Mittel zur Diagnose der Durchlässigkeit des Sinus sigmoides und der Vena jugularis. Acta otolar., Stockh., 1938, 26: 45-52.—Dos Santos, E. M. Quelques variations du système de la veine jugulaire externe. Fol. anat. Univ. Conimbr., 1927, 2: No. 9, 1-6.—Fontes, V. Um caso de variação dos sistemas das veias jugulares interna e externa. Arq. anat., 1936, 17: 23-31.—Gomez, D. M., & Langevin, A. Le piéziographie. Presse méd., 1934, 42: 1732.—Luisada, A. Il focolaio di ascoltazione del giugulo nella diagnostica delle malattie dell'aorta e della polmonare. Rass. internaz. clin. ter., 1937, 18: 733; 791.—Ogo, M. On the jugular veins of the Japanese. Jap. J. M. Sc., 1934-36, 4: Surg., 233.—Potain, C. E. P. On the movements and sounds that take place in the jugular veins, transl. by J. F. Wozencraft. In Cardiac Classics (Willius, F. A.) S. Louis, 1941, 533-56.—Rodrigues, L., & Adriaño, M. Variation de la veine jugulaire interne; absence de jugulaire externe; rameau nerveux traversant une veine. Fol. anat. Univ. Conimbr., 1931, 6: No. 8, 1-6.—White, P. D., & Cooke, W. T. The recognition and significance of marked and chronic systolic pulsation of the deep jugular veins. Tr. Ass. Am. Physicians, 1939, 54: 199-209.

Aneurysm and dilatation.

See also Carotid, Aneurysm.

FAUQUET, M. J. *Sur un cas d'anévrisme jugulo-carotidien. 77p. 24cm. Lille, 1937.

HASSAN-NAGA, M. *Contribution à l'étude des anévrismes jugulo-carotidiens. 77p. 24½cm. Toulouse, 1934.

Maggiorotti, U. Voluminosa flebeectasia della giugulare anteriore destra in un ragazzo dodicenne. Valsalva, 1936, 12: 329-31.—Marinelli, M. Gran golfo venoso de la jugular anterior. Sem. méd., B. Air., 1935, 42: pt 2, 2031-6.

Bloodpressure.

Alzona, L. Rapporti fra pressione venosa e flebogramma giugulare raccolto col metodo fotografico. Cuore & circol., 1932, 16: 177-203.—Merwarth, H. R., & Clineo, A. A. Futility of routine jugular pressure readings. Med. Times, N. Y., 1939, 67: 355-60.—Myerson, A., & Loman, J. Internal jugular venous pressure in man, its relationship to cerebrospinal fluid and carotid arterial pressures. Tr. Am. Neur. Ass., 1931, 57: 414-24. Also Arch. Neur. Psychiat., Chic., 1932, 27: 836-46.

Compression [Queckenstedt test]

See also Dural sinus, Thrombophlebitis; Diagnosis.

Aird, R. B. Prolonged jugular compression; a diagnostic test of neurologic value. Arch. Neur. Psychiat., Chic., 1941, 45: 633-48. — & Naffziger, H. C. Prolonged jugular compression; a new diagnostic test of neurological value. Tr. Am. Neur. Ass., 1940, 66: 45-9.—Aubry, M., & Sigwald, J. L'épreuve de Queckenstedt-Stookey en otologie. Ann. otolar., Par., 1935, 911-4.—Aymès, G. Compression des jugulaires et tests sémiologiques. Marseille méd., 1941, 78: pt 1, 123-31.—Bedford, T. H. B. The effect of prolonged occlusion of

the external jugular veins on the cerebrospinal fluid and the torcular venous pressures of the dog. *Brain*, Lond., 1936, 59: pt 3, 324-36. The origin of the fall in the pressure of the cerebrospinal fluid after its artificial elevation by jugular occlusion. *Ibid.*, 1938, 61: 62-9.—**Canuyl & Klotz, A.** Quelques considérations sur le signe de Queckenstedt à propos d'un cas de thrombophlébite du sinus latéral opéré et guéri. *Rev. otoneur.*, Par., 1929, 7: 513-9.—**Collet, F. J.** L'épreuve de Queckenstedt en otologie. *Ann. otol.*, Par., 1935, 471.—**Freedman, A., & Melton, G.** A suggested modification of the Tobey-Ayer test for lateral sinus thrombosis. *J. Lar. Otol.*, Lond., 1942, 57: 353-65.—**Heineken, C.** Case of apoplexy from pressure of the internal jugular vein, applied to cheek hemorrhage from a wound of that vein. *Month. J. Foreign Med.*, 1828, 2: 350.—**Hilding, A.** False response to the jugular compression (Tobey-Ayer) test due to anomaly of the lateral sinus. *Arch. Otol.*, Chic., 1937, 26: 143-5.—**Kopetzky, S. J.** An observation on the diagnosis of lateral sinus thrombosis contradictory to the results of Tobey and Ayer. *Ibid.*, 1928, 7: 532.—**Mayoux, R.** Valeur sémiologique de l'épreuve de Queckenstedt dans les thromboses du sinus latéral. *Lyon méd.*, 1928, 141: 494-6. L'épreuve de Queckenstedt en otologie; causes d'erreur; interprétation des résultats. *Rev. prat. mal. pays chauds*, 1928, 8: 563-8.—**Muck, O.** Ueber den Jugularisdruckversuch und seine klinische Verwertbarkeit. *Zschr. Hals & Kehlk.*, 1933-34, 35: 362-5.—**Neel, A. W., Tomasson, H., & Jacobsen, O.** Ueber Spinalflüssigkeitsveränderungen infolge kurzdauernder Kompression ad modum Queckenstedt. *Zschr. ges. Neur. Psychiat.*, 1929, 122: 253-76.—**Neri, V.** La compressione delle giugulari rivelatrice di sofferenza radicolare. *Bull. sc. med.*, Bologna, 1940, 112: 8-15.—**Perwitzschky, R.** Die Diagnose der obturierenden oder stenosierenden Prozesse des Sinus sigmoides, Bulbus und der Jugularvenen durch Lumbalpunktion bei rechts- oder linksseitiger Kompression der Jugularvenen. *Arch. Ohr. & Kehlk.*, 1926-27, 116: 169-79.—**Tobey, G. L.** An attempt at the differential diagnosis of lateral sinus infection. *Boston M. & S. J.*, 1926, 194: 53-7.—**Weill, G. A.** Effets de la compression jugulaire sur l'oreille. *Rev. otoneur.*, Par., 1934, 12: 524.

Injury.

Bellin. Hémorragie de la veine jugulaire ouverte dans l'oreille moyenne au cours d'une otite aiguë. *Bull. Soc. belge otol.*, 1908-9, 14: 119-21.—**Caltewaert, H.** Hémiplegie à la suite d'hémorragie jugulaire et de tamponnement de l'espace sous-carotidien. *Bruxelles méd.*, 1935-36, 16: 812. Also *J. belge neur. psychiat.*, 1936, 36: 235-9.—**Leriche.** Fistule artério-veineuse jugulo-carotidienne de la base du crâne. *Gaz. hôp.*, 1940, 113: 390.

internal.

Almeida Prado, J. N. de. Puncção da jugular interna como recurso semiológico em neuropsiquiatria. *Actas Jornad. neuropsiquiatr. panamer.* (1939) 1940, 2: 329-31.—**Charugin, A. V.** [Case of complete absence of the left internal jugular vein with arteriovenous aneurysm of the common carotid artery and right internal jugular vein]. *Odess. med. J.*, 1928, 3: 83.—**Hoover, W. B.** A technic for phlebotomy of the internal jugular vein. *Proc. Mayo Clin.*, 1943, 18: 161-3.—**Jianu, I.** Résection partielle et suture latérale de la veine jugulaire interne. *Bull. Soc. méd. hôp. Bucarest*, 1926, 8: 263.—**Mouchelet, A., & Noureddine, A.** Variations du système veineux jugulaire interne. *Ann. anat. path.*, Par., 1934, 11: 638-41.—**Okazaki, M.** Ueber die Anomalie der V. jugularis interna. *Otorhinolaryngologia*, Tokyo, 1936, 9: 442.—**Portmann, G., & Despons, J.** L'intervention chirurgicale dans les infections du sinus latéral et de la veine jugulaire interne. *Rev. chir.*, Par., 1927, 65: 244-84.—**Vermes, E.** Ueber die Häufigkeit der Kollateralen der kranialen Hälfte der Vena jugularis interna beim Menschen. *Zschr. ges. Anat.*, 1. Abt., 1928, 88: 522-5.

Ligation and resection.

See also **Lateral sinus. Thrombosis: Treatment; Tonsil. Abscess.**

SCHREIBER, E. *Sepsis und Jugularisunterbindung. 46p. 24cm. Marb., 1936.

Azeona Medina, J., & Ferrer, E. A. Consideraciones acerca de 5 casos de tromboflebitis del seno lateral, tratados con ligadura de la jugular interna. *Actas Congr. méd. mil. (Spain)* 1939, 1. Congr., 33-41.—**Barajas, L.** La ligadura de la yugular en las tromboflebitis del seno. *Libro de actas Congr. españ. otorinol.*, 1910, 3. Congr., 422-9.—**Björk, H.** Ueber die intrakranielle venöse Stauung bei otogener Sinusthrombose und nach Jugularisligatur; ein differentialdiagnostisches Zeichen. *Acta otol.*, Stockholm, 1941, 29: 227-35.—**Brown, J. M.** Bilateral jugular ligation with recovery. *Ann. Otol. Rhinol.*, 1941, 50: 280-2.—**Chérédjian, Z.** Trombophlébite du sinus latéral après opération pour mastoïdite compliquée; ligature de la veine jugulaire; guérison. *Rev. méd. Suisse rom.*, 1929, 49: 521-8, pl.—**Cheval.** Un cas de mastoïdite de Bezold avec abcès temporo-cervical, compliquée de thrombo-phlébite du sinus latéral et de la jugulaire interne; ligature de la veine jugulaire interne; eurentage du sinus; guérison. *Bull. Soc. belge otol.*, 1902, 7: 19-23.—**Creyssel, J., & Douillet, M.** Des accidents encéphaliques après ligature ou résection unilatérale

de la jugulaire interne. *Rev. chir.*, Par., 1930, 68: 62-74.—**Degtiarev, G. V.** [Natural compensation in a case of partial excision of the jugular vein in an army horse]. *Sovet. vet.*, 1939, 16: 109.—**Duthéillet de Lamothe.** Thrombose du sinus latéral évoluant sans infection générale chez un ancien paludéen; trépanation du golfe, ligature de la jugulaire; guérison. *Ann. otol.*, Par., 1933, 972-4.—**Ersner, M. S., & Myers, D.** Outstanding signs and symptoms in sinus thrombosis; merits and demerits of internal jugular ligation in the treatment of lateral sinus thrombosis. *Pennsylvania M. J.*, 1935-36, 39: 579-85.—**Evans, M. G.** Bilateral jugular ligation following bilateral suppurative mastoiditis. *Ann. Otol. Rhinol.*, 1942, 51: 615-25.—**Fernando, A. S., & De Ocampo, G.** Ligation of the jugular vein in lateral sinus thrombosis; report of a case. *J. Philippine Islands M. Ass.*, 1938, 18: 637-43.—**Georges.** Ouverture spontanée du sinus latéral; début de septicémie; tamponnement du sinus; ligature de la jugulaire; guérison. *Ann. otol.*, Par., 1933, 354.—**Haymann, L.** Zur Frage der Jugularisunterbindung und der toten Thrombektomie. *Beitr. Anat. Ohr.*, 1926, 24: 264-79.—**Hubin, E.** Trombophlébite du sinus latéral; septicémie; ligature de la veine jugulaire. *Ann. Soc. méd. chir. Liège*, 1936, 64: 69-72. Also *Liège méd.*, 1936, 29: 581-6.—**Jung, L., Auger, L., & Chavanne, F.** Effets de la ligature des jugulaires sur le débit carotidien chez le chien. *C. rend. Soc. biol.*, 1930, 104: 202. Action de la ligature de la jugulaire sur la circulation. *Otorhinolaryngol. internat.*, Lyon, 1930, 14: 440-2.—**Kadowaki, T.** Experimentelle Studien über den Einfluss der Jugularisunterbindung auf die Sinusthrombose. *Okayama igakkai zasshi*, 1930, 42: 280.—**Lemaître, Rémy-Néris, G., & Van den Bossche, P.** Un exemple de thrombo-phlébite et de septicémie d'origine otitique (hémo-culture positive à streptocoques) guérie par résection de la jugulaire interne et par sérothérapie de Vincent associée à l'hémunotransfusion. *Ann. otol.*, Par., 1934, 171-3.—**McCarthy, M. F.** Experiences in the surgery of the lateral sinus and internal jugular vein. *West Virginia M. J.*, 1935, 31: 171-6. Also *J. Med.*, Cincinnati, 1935-36, 16: 614-20.—**Mauret.** Tromboflebitis del seno lateral derecho consecutiva a una otitis media aguda de seis días de fecha en un niño; abertura del seno, ligadura de la yugular, drenaje del extremo superior de ésta y del seno; curación. *Bol. lar. otol.*, Madrid, 1904, 4: 419.—**Nicolini, R. C.** Resección de la yugular interna de ambos lados. *Bol. Inst. clin. quir.*, B. Air., 1938, 14: 1228. Also *Bol. Soc. cir. B. Aires*, 1938, 22: 425-8. Also *Prensa méd. argent.*, 1938, 25: pt 2, 1750.—**Noviek, J. N.** Ligation of internal jugular vein in lateral sinus thrombosis. *Laryngoscope*, 1937, 47: 325-44.—**Ohnacker, P.** Zirkulatorisch bedingte Hirnerscheinungen im Anschluss an Sinus- und Jugularisaußschaltung. *Arch. Ohr. & Kehlk.*, 1932, 131: 1-12.—**Portmann, G.** Résection de la veine jugulaire interne dans un cas de thrombo-phlébite. *Gaz. sc. méd. Bordeaux*, 1926, 47: 137-9. La résection de la veine jugulaire interne dans les thrombo-phlébitis de ce vaisseau. *Presse méd.*, 1926, 34: 1297-9.—**Preece&tdil, A.** Contribution to the question of disturbances in blood circulation within the cranial cavity in cases of thrombosed sigmoid sinus and of ligatured jugular vein. *Psychiat. neur. bl.*, Amst., 1934, 38: 526-33.—**Richards, L.** The pros and cons of jugular ligation in lateral sinus thrombosis. *Kentucky M. J.*, 1935, 33: 351-4.—**Rott, O. M.** Why ligate the jugular vein in cases of lateral sinus thrombosis? *Arch. Otol.*, Chic., 1931, 14: 272-81.—**Traina, S.** Tromboflebite del seno laterale in una bambina di un anno, con accesso perisinusale esterizzato in corrispondenza della fontanella asterica; intervento; legatura della jugulare; guarigione. *Valsalva*, 1927, 3: 116-9.—**Turtur, G.** Considerazioni sulla patogenesi della tromboflebite del seno laterale; stato attuale della indicazione della legatura della jugulare. *Boll. mal. orecchio*, 1939, 57: 445-69.

Phlebitis.

See also **subheading Thrombophlebitis.**

Bucica, I., & Cliza, S. [Surgical treatment of suppurative phlebitis of the jugular vein in a horse]. *Rev. san. mil.*, Bucur., 1928, 27: 426-30.—**Hinojar Pons, C.** Las lesiones secundarias de las flebitis sinusovulgares. *Med. ibera*, 1931, 15: pt 1, 345-9.—**Meyer, O.** Die latente chronische Entzündung der Jugularvenen. *Zbl. inn. Med.*, 1937, 58: 753-7. Latente Jugularphlebitis als Ursache von Kopfstauung. *Schweiz. med. Wschr.*, 1939, 69: 340-2.—**Rey.** Phlébite suppurative de la jugulaire; anatomie pathologique; traitement par l'extraction de la veine malade. *J. méd. vét.*, Lyon, 1855, 11: 241-97.—**Termoes, V.** [Case of sinus and jugularis phlebitis with dilatation of arm veins]. *Hospitalstidende*, 1934, 77: (Dansk. otol. selsk. forh.) 29-31.

Thrombophlebitis.

See also **Lateral sinus, Thrombosis.**

HOFFMEISTER, E. *Ueber Sinus- und Jugularisthrombosen ohne wirkliche beziehungsweise nur scheinbare Temperaturerhöhung [Frankfurt] 27p. 8°. Lengerich, 1937.

Aubry, M. Application de l'épreuve de Queckenstedt aux thromboses sinus-jugulaires. *Ann. mal. oreille*, 1927, 46: 175. — L'hypertension intra-cranienne provoquée pour le diagnostic des thrombo-phlébitis sinus-jugulaires. *Progr. méd.*, Par., 1927, 42: 212-5.—**Babcock, J. W.** Sympo-

- sium on sinus thrombosis; cases of jugular thrombophlebitis following infections of the face and throat. *Laryngoscope*, 1934, 44: 360-2.—**Beck, A. L.** Symposium on otolaryngological problems in sepsis; parapharyngeal infections and internal jugular vein thrombosis: diagnosis and treatment. *Ibid.*, 43:1-47.—**Boisvert, P. L.** Lateral sinus and jugular vein thrombosis following ear infection, with recovery. *Week. Bull. S. Louis M. Soc.*, 1935-36, 30: 353-5.—**Bucica, I., & Cliza, S.** Eitrige Thrombo-Phlebitis der Jugularvene beim Pferde und ihre operative Behandlung. *Berl. tierärztl. Wschr.*, 1929, 45: 469-71.—**Caliceti, P.** Sul trattamento delle flebiti e tromboflebiti sinuso-jugulari. *Otorinol. ital.*, 1933, 3: 337-63.—**Corréa, A. P.** Tromboflebite do seio lateral e da jugular interna; tratamento e cura. *Pub. méd., S. Paulo*, 1941-42, 13: No. 10, 3-8. Also *Labor. clin.*, Rio, 1942, 22: 283-5.—**Dischoeck, H. A. E. van** [A new therapeutic and diagnostic means in thrombosis of the jugular vein] *Ned. t. sch. geneesk.*, 1939, 83: 1175-8.—**Dixon, O. J., & Helwig, F. C.** Thrombophlebitis in the internal jugular vein as complication of tonsillitis. *Ann. Otol. Rhinol.*, 1930, 39: 1137-49, 5 pl.—**Ferrari, U., & Cirinei, A.** Considerazioni sulla legatura bilaterale della giugulare interna e sulle sue applicazioni nella cura delle setticemie da tromboflebite otogena bilaterale; contributo clinico. *Gior. med. mil.*, 1940, 88: 725-36.—**Flett, R. L.** Jugular thrombosis after tonsillitis. *Brit. M. J.*, 1941, 2: 223-5.—**Gaillard, R., & Mayoux, R.** Sur l'épreuve de Queckenstedt dans les thromboses sinuso-jugulaires. *Rev. laryng.*, Par., 1927, 48: 700-5.—**Gilmore, G. B.** Internal jugular vein thrombosis secondary to lateral pharyngeal abscess: case report. *Laryngoscope*, 1939, 49: 106-10.—**Guillermin, M. G.** Thrombo-phlébite suppurée sinuso-jugulaire; arthrite suppurée sterno-claviculaire du même côté. *Ann. otol.*, Par., 1936, 179-81. — & **Pesme, J. L.** Diagnostic et traitement des thrombophlébites sinuso-jugulaires. *Rev. Serv. san. mil.*, Par., 1938, 108: 385-420.—**Heller, I. M.** A case of primary jugular thrombosis. *Ann. Otol. Rhinol.*, 1912, 21: 380-5.—**Hennebert.** Thrombo-phlébite sinuso-jugulaire otitique. *Bull. Soc. belge otol.*, 1903, 8: 56-62.—**Jents, E.** Ein Fall von Jugularisthrombose. *Msehr. Ohrenh.*, 1939, 73: 168.—**Krekel, H.** Ueber eitrige Thrombose der Vena jugularis interna post partum. *Zbl. Gyn.*, 1930, 54: 2008.—**Lallasse & Lesbroc.** Un cas de thrombose jugulo-sous-clavière chez un cardiaque. *Lyon méd.*, 1926, 137: 14-7.—**Leibowitz, P., & Weinstein, S.** Post-tonsillitic deep cervical abscess and internal jugular vein thrombophlebitis; a report of 6 cases. *Laryngoscope*, 1939, 49: 1205-24.—**Lillie, H. I., & Williams, H. L.** Pain as a symptom of thrombosis of the internal jugular vein. *Surg. Clin. N. America*, 1932, 12: 883.—**Lund, R.** [Two cases of tonsillar jugofacial thrombosis (post-tonsillitic sepsis) Hospitaltidende, 1935, 78: [Dansk. otol. selsk. forh.] 28-31.—**MacMillan, W.** A case of jugular thrombophlebitis extending into the innominate. *Laryngoscope*, 1931, 41: 422-5.—**McNamara, F. P.** Jugular thrombosis following tonsillar infection. *J. Iowa M. Soc.*, 1935, 25: 262-5.—**Menger, L. C.** Thrombophlebitis of the internal jugular vein following acute tonsillitis; report of a case. *Laryngoscope*, 1936, 46: 198-202.—**Mounier-Kuhn, P., & Hugonniere, R.** Un cas de thrombo-phlébite généralisée des sinus de la dure-mère et des jugulaires jusqu'à la veine cave supérieure comprise, d'origine otique. *Lyon méd.*, 1940, 164: 104-7.—**Mygind, S. H.** [Three cases of operative post-tonsillitic jugular thrombosis] Hospitaltidende, 1935, 78: [Dansk. otol. selsk. forh.] 31-4.—**Pagano, A.** Considerazioni su 7 casi di tromboflebite del seno laterale e della giugulare interna. *Arch. ital. otol.*, 1930, 41: 209-24.—**Pallestrini, E.** Sulla trombosi secondaria della giugulare interna di origine otica. *Ibid.*, 1927, 38: 240-56.—**Pattee, G. L.** Thrombosis of the sigmoid sinus and jugular vein in which blood culture was positive for *Pneumococcus* type III. *Proc. Mayo Clin.*, 1931, 6: 225-7.—**Pearson, W.** Thrombosis of internal jugular vein. *Tr. R. Acad. M. Ireland*, 1914, 22: 149.—**Pertmann, G.** Considerations sur le traitement de phlébites et thrombo-phlébites sinuso-jugulaires. *Rev. laryng.*, Par., 1931, 52: 523-30.—**Peters.** Ueber einen Fall der vollständigen Thrombosierung und Zerreißung der Vena jugularis. *Deut. tierärztl. Wschr.*, 1930, 38: 807.—**Petterino Patriarca, A.** Sindrome paralitica associata da lesione periferica dei nervi cranici IX-X-XI-XII da periflebite del seno laterale, del golfo e del tronco della giugulare. *Osp. maggiore Novara*, 1937, 14: 453-7.—**Portmann, G.** Traitement chirurgical des phlébites et thrombo-phlébites sinuso-jugulaires. *J. neur. psychiat.*, Brux., 1934, 34: 211-7.—**Ramadier, J. A.** Thrombo-phlébite sinuso-jugulaire à forme cérébrale et de siège atypique. *Ann. otol.*, Par., 1938, 554-7.—**Rebattu, J., & Bertain, R.** Les septicémies avec thrombo-phlébite de la jugulaire dans les phlegmons péri-amygdaliens. *J. méd. Lyon*, 1938, 19: 451-6.—**Richter, H.** Ueber operative Heilung einer fortschreitenden und rückläufigen otogenen Thrombophlebitis der Halsvenen. *Zschr. Laryng.*, 1934, 25: 336-40.—**Römer.** Seltener Drüsenbefund (branchiogene Zyste) bei Jugularisthrombose. *Hals &c. Arzt*, 2. T., 1939, 49: 150.—**Rüttin, E.** Vollständige Zerstörung des grössten Teiles der Jugularis bei alter Sinus-Jugularisthrombose. *Msehr. Ohrenh.*, 1937, 71: 1129.—**Sargnon, Talbot & Parlange.** Thrombo-phlébite sinuso-jugulaire à pneumobacille de Friedländer: localisations multiples; évolution complexe. *Ann. otol.*, Par., 1937, 953-7.—**Stone, F. E., & Berger, M. D.** Retrograde sinus thrombosis complicating primary thrombosis of the jugular vein. *Arch. Otol.*, Chic., 1936, 24: 141-57.—**Tédenat.** Thrombose de la jugulaire interne consécutive à une angine. *Nouv. Montpellier méd.*, 1898, 7: 420.—**Uffenorde.** Die auf den Bulbus der V. jugul. int. beschränkte Thrombose. *Zschr. Hals &c. Heilk.*, 1933, 34: 280-93 [Discussion] 314-6.—**Van den Wildenberg, L.** La thrombophlébite sinuso-jugulaire. *Rev. méd., Louvain*, 1927, 161-5, pl.—**Wasowski, T., & Hurynowicz, J.** Die Veränderungen der Vaguserregbarkeit nach der künstlich gesetzten Thrombose der Jugularis, die mit Hilfe der chronaktischen Methode bestimmt werden. *Msehr. Ohrenh.*, 1935, 69: 196-207.—**Wasowski, T., & Samborski, J.** Pathologisch-anatomische Veränderungen im Bereiche des N. vagus, die durch eine künstlich gesetzte Thrombose in der Vena jugularis interna hervorgerufen wurden. *Ibid.*, 1244-7.—**Worms, G., & Lacaze.** Thrombo-phlébite suppurée sinuso-jugulaire; ouverture du sinus latéral; résection de la jugulaire interne; guérison. *Bull. Soc. nat. chir., Par.*, 1929, 55: 138-42.—**Zöllner.** Unterbindung der Vena anonyma bei absteigenden Jugularisthrombosen; ein neues Vorgehen. *Zschr. Hals &c. Heilk.*, 1935, 38: 96-100 [Discussion] 108-21.
- JUHASZ-SCHAEFFER, Alexander.** Le vitamine nei loro rapporti con l'oftalmologia. p.271-409. 25½cm. Zür., Documenta press, 1938.
In *Docum. ophth.*, Zür., v.1.
Also editor of *Documenta ophthalmologica*. Zür., 1938-
- JUHNKE, Alfred [August Albert] 1900-**
*Zur Kenntnis der Banginfektion beim Menschen. 48p. 8°. Rostock, C. Hinstrorff, 1931.
- JUICE.**
See Digestive juice; Fruit juice; Intestinal juice, etc.
- JUILLE, Maurice, 1908-** *Les lésions spléno-hépatiques au cours de l'endocardite maligne lente. 65p. 8°. Par., Maloine, 1936.
- JUILLERAT, Maurice [M. D., 1930, Basel]**
*Beiträge zur Harnsäurebestimmung [Basel] 16p. 8°. Bern, A. Schmid & cie, 1930.
- JULLIOT, Charles Louis, -1940.**
See **Des Gouttes, P., & Julliot, C. L.** Recueil de documents sur la neutralisation des aéronets sanitaires. 89p. 24cm. Genève, 1925.
See also **Des Cilleuls, J.** Nécrologie. *Bull. internat. Serv. santé, Liège*, 1940, 13: 152.
- JULLY, George Hippolyte, 1877-** Practical surgery of the abdomen; with a foreword by W. Wayne Babcock. 2v. xvii, 1275p. [paged consecutively] 8°. Phila., F. A. Davis co., 1928.
- JUKES, Augustus Louis, 1821-1905.**
Augustus L. Jukes; a pioneer surgeon. *Hist. Bull., Calgary*, 1937-38, 2: No. 4, 1-4.
- JUKIELZON, Samuel, 1910-** *Sur l'intoxication par un produit dit Solvant. 54p. 24cm. Strasb., Horo, 1936.
- JUKOLA, Martti, 1900-** Athletics in Finland. 152p. illust. 8°. Helsinki, Soderström osakeyhtio porvoo, 1932.
- JULEP.**
See under Syrup.
- JULER, Jes [Johannes Madsen] 1897-**
*Beitrag zur Kenntnis der Afterzeiten des Rindes; ihre Bewertung als Milchzeichen und ihr Verhalten im Erbgange (auf Grund von Studien am Angler Rinde) 46p. 8°. Kiel [n. p.] 1927.
- JULHIEN, Michel, 1897-** *Les troubles digestifs dans l'éventration diaphragmatique; leurs raisons anatomiques. 61p. 8°. Par., M. Vigné, 1928.
- JULIA, Albert, 1904-** *Considérations sur l'apoplexie du fibrome dans les suites de couche (nécrose aseptique) 67p. 8°. Par., E. Le François, 1934.
- JULIA, Carlos Manuel, 1908-** *Traitement des hydronéphroses bilatérales. 92p. 8°. Par., Vigot fr., 1935.
- JULIAN [Ernst] Günter Wilhelm, 1903-**
*Ein Beitrag zur angeborenen Duodenalatresie. 11p. 8°. Berl., E. Ebering, 1929.

JULIAN, F. Bennett. Psychological casualties in air raids and their first-aid treatment. 23p. 18cm. Lond., Soc. Promot. Christ. Knowledge [1941?]

JULIAN, Jean. 1901— *Contribution à l'étude de la dextrocardie par attraction [Paris] 45p. 8° Kremlin-Bicêtre, Boivent, 1934.

JULIAN, Otto. 1910— *Principes de l'accouchement médical et ses résultats en 1933. 53p. 24cm. Strasb., Horo, 1935.

JULIANELLE, Louis Alphonse. 1895— The etiology of trachoma. xv, 248p. pl. diagr. map. 8° N. Y., Commonwealth fund, 1938.

JULIANUS, Flavius Claudius [Apostata] 332–363. *Ἐπιστολαί. p.1146–138a. 4° Venez., 1499. See Collect. epist. Graec. Venet., 1499, 114b–138a.

JULIA Rosés, Don Rafael. Translator of Duval, P. Cirugía del aparato urinario. 265p. 19½cm. Barcel., 1921.

JULIEN, André. 1901— *L'éréthisme pulsatile de l'aorte abdominale; contribution à l'étude des dyspepsies (dyspepsies pulsatiles) 70p. 3 pl. 8° Par., A. Legrand, 1933.

JULIEN, Eugène Louis Ernest, Bishop of Arras, 1856–1930.

Besson. Nécrologie. J. se. méd. Lille, 1930, 48: pt 1, 201.

JULIEN, Jacques. *Contribution à l'étude du pouvoir rotatoire de quelques alcaloïdes en fonction du p_H; strychnine, brucine, pilocarpine. 118p. 8° Strasb., C. & J. Goeller, 1936.

JULIEN, Jean Marie Eugène. 1904— *Le syndrome angine de Vincent. 109p. 8° Par., Le François, 1934.

JULIEN, Jules. 1901— *De l'influence de l'accouchement sur certains accidents toxico-infectieux au cours de la seconde moitié de la grossesse. 36p. 8° Par., Jouve & cie, 1932.

JULIEN, Pierre. 1909— *L'amibiase pulmonaire dans la région de Lyon. 108p. 8° Lyon, Bosc fr., 1934.

JULIEN, Pierre. 1910— *Le traitement médical dans la sténose hypertrophie de pylore chez le nourrisson [Strasb.] 73p. 8° Toul, Imp. Toulaise, 1936.

JULIEN le Parquier, Madeleine. 1903— *Contribution à l'étude des fumées et des gaz nocifs dans la région rouennaise. 66p. 8° Par., Jouve & cie, 1931.

JULIENNE, Pierre Arthur Henri. 1906— *La strongylose larvaire chez les poulains; le gros danger qu'elle présente pour l'élevage, notamment du pur sang [Alfort] 86p. 8° Par., Presses modernes, 1929.

JULIUSBERG, Fritz. 1872—, & **RIECKE, E.** Lichen ruber, Pityriasis rubra pilaris, Epidermolysis bullosa, Impetigo herpetiformis, Pemphigus. vi, 803p. illust. 8° Berl., J. Springer, 1931.

Forms Bd 7., Teil 2. of Handb. Haut- u. Geschlechtskr. (Alexander) Berl., 1927–32.

JULIUS Rosenwald Fund for the Wellbeing of Mankind.

See Rosenwald Fund.

JULLER, Ernst, & KOEHLER-WIEDER, Rudolf. Tabellen zur Bestimmung der wichtigeren mitteleuropäischen Giftpflanzen in blütenlosen Zustand. vi, 105p. illust. 23½cm. Jena, G. Fischer, 1938.

JULLICH, Lucien Ernest. 1913— *Sur un cas de tuberculose de la glande parotéide. 45p. 24cm. Par., Le François, 1938.

JULLIEN, A. 1891— *Des réactions comparées des coeurs de vertébrés et d'invertébrés vis-à-vis des électrolytes et des drogues. Lyon. 205p. 2 pl. 8° Trévoux, G. Patissier, 1936.

— Travaux pratiques de physiologie et principes d'expérimentation. iii, 500p. illust. tab. ch. 8° Par., J. B. Baillière, 1935.

JULLIEN, Claudius. 1910— *Diagnostic des lésions hépatiques par les variations du coefficient de Maillard chez le chien. 56p. 8° Lyon, Bosc fr., 1935.

JULLIEN, Louis Adolphe. 1850–1913. Beeson, B. B. Two French pioneers in urology and venereology; Paul Horteloup, Louis Adolphe Jullien. Urol. Cut. Rev., 1934, 38: 810.

JULLIEN, Michel Jean Marie. 1909— *L'anesthésie trans-sacrée; application à la prostatectomie. 50p. 8° Par., Jouve & cie, 1934.

JULLIEN, Robert. 1912— *Le métabolisme de base du cobaye normal: ses rapports avec la réserve hépatique spontanée en vitamine A. 89p. tab. diagr. 24cm. Marseille, Impr. Aut. Ged, 1938.

JULLIEN, Robert Jean. 1901— *Contribution à l'étude des résultats éloignés du traitement de la luxation récidivante de l'épaule. 47p. 8° Par., E. Le François, 1934.

JULLIEN-VIEROZ, Raymond Jean Paul. 1910— *La transfusion du sang conservé chez l'homme. 94p. 25cm. Bord., Delmas, 1934.

JULSRUD, Einer Carsten. 1888— Portrait. In Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 178.

JULSRUD, Hans Gunnar Adolf. 1896— Portrait. In Norges laeger (Kobro, I.) Oslo, 1927, Suppl., 179.

JUMAR.

See also **Crossing.**

Zirkle, C. The jumbar or cross between the horse and the cow. Isis, Menasha, 1941, 33: 486–506.

JUMMEL, Friedrich. 1908— *Beiträge zum Krankheitsbilde des Aneurysma cirsoïdes an Hand eines Falles von Aneurysma der Arteria subclavia dextra. 21p. 8° Kiel, H. Schmidt, 1933.

JUMON, Henri. 1883— L'asthme infantile et les réactions associées; asthme, dermatoses prurigineuses, insuffisance hépatique. 139p. 12° Par., N. Maloine, 1931.

JUMP, Henry Draper. 1867— For portrait see Philadelphia M., 1941–42, 37: 1409.

JUMPING.

See also **Sport.**

BAER, C. *Sportschädigungen beim Kunst- und Turnspringen. 28p. 23cm. Bern, 1940.

Krakower, H. Skeletal symmetry and high jumping. Res. Q. Am. Ass. Health, 1941, 12: 218–27.—**McCloy, C. H.** A study of landing shock in jumping for women. Arbeitsphysiologie, 1931–32, 5: 100–11.—**Mellby, R. E.** Rope jumping. J. Health, Ann Arb., 1936, 7: 93; 126.—**Saitos olimpicos.** Educ. fis., Rio, 1941, No. 52, 14.—**Yeager, W. S.** A corrida com barreiras. Ibid., No. 55, 16–9.

JUN, Martha. 1904— *Beitrag zur Eropathologie des Hydrophthalmus. 23p. 2 pl. 2 ch. 23cm. Berl., R. Pfau, 1938.

JUN, Meta. 1905— *Ueber einen Fall von angeborenem Dünndarmverschluss. 10p. pl. 8° Heidelb., E. Beckstein, 1932.

JUNCK, Agathe. 1904— *Die Uebertragung des Vagantgefäßschadens vom mütterlichen auf den kindlichen Organismus im Tierexperiment [Leipzig] p.265–81. 8° Berl., J. Springer, 1932.

Also Virchows Arch., 1932, 283:

JUNCK, Harry. 1912— *Die Darstellung der Kieferhöhlen im Röntgensichtverfahren [Berlin] 35p. 3 pl. 21cm. Bottrop i. W., W. Postberg, 1937.

JUNCK, Heinz, 1911— *Die Zähne in den deutschen Lehrbüchern der Pathologie von 1830–55. 63p. 23cm. Berl., K. & R. Hoffmann, 1938.

JUNCKER, Erich [Louis Hermann] 1900— *Aneurysma verum et spurium des Kopfes und Halses. 15p. 8°. Kiel, Schmidt & Klaunig, 1932.

JUNCKER, Kurt, 1907— *Pharmakologische Untersuchungen über die kombinierte Wirkung von Chinin und Hypophysen-Hinterlappenextrakt auf die überlebende Gebärmutter. 21p. 8°. Erlangen, K. Dörres, 1935.

JUNDELL, Isak, 1867— *Bibliographia Jundelliana. Acta paediat., Upps., 1932, 13: 11–9, portr.*

JUNDT, Paul, 1906— *Gestation et accouchement chez les primipares âgées. 63p. 8°. Par., M. Brenner & cie, 1934.

JUNDT, Werner, 1910— *Zur Gallenwegs-Chirurgie; Erfahrungen bei 739 Gallenwegsoperationen. 20p. 8°. [Freib. i. B., n. p., 1931]

JUNET, Robert Maurice [M. D., 1938, Genève] *Histopathologie du squelette acromégale et ses modifications sous l'influence de l'hyperthyroïdisme; à propos de 3 observations personnelles. 112p. 5pl. 23cm. Genève, Atar, 1938.

JUNET, William [M. D., 1937, Genève] *Les péritonites biliaires sans perforation; étude pathogénique. 38p. 2 pl. 23cm. Genève, Atar, 1937.

JUNG, Adolf, 1905— *Ueber das primäre Lebercarcinom bei Kindern [Frankfurt] 31p. 8°. Heidelb., P. Baus, 1932.

JUNG, Albert [M. D., 1927, Basel] *Ueber den Einfluss der Wasserstoffionenkonzentration auf die Löslichkeit der Harnsäure [Basel] 26p. 8°. 1p., F. C. W. Vogel, 1927.

JUNG, Albert, 1905— *Massage und Sport in Altertum und Gegenwart. 36p. 8°. Bonn, P. Kubens, 1930.

JUNG, Anton, 1901— *Die entzündlichen Augenerkrankungen der Neugeborenen in der Nachkriegszeit unter besonderer Berücksichtigung des Materials in der Frankfurter Universitäts-Frauenklinik vom Jahre 1919 bis zum Jahre 1926. 83pp. 8°. Frankfurt a. M. [n. p.] 1926.

JUNG, Bernhard, 1906— *Klinische Erfahrungen mit der Evipan-Natrium-Narkose. 43p. 21cm. Berl., M. Eisenstaedt, 1936.

JUNG, Bruno, 1906— *Ueber intramedulläre Rückenmarks-Tumoren. 32p. 8°. Halle a. S., H. John, 1935.

JUNG, Carl Gustav, 1875— Der Inhalt der Psychose; akademischer Vortrag gehalten im Rathause der Stadt Zürich am 16. Jänner 1908. 2. Aufl. 44p. 8°. 1p., F. Deuticke, 1914.

— Contributions to analytical psychology. Transl. by H. G. and C. F. Baynes. xi, 410p. 8°. Lond., K. Paul, Trench, Trubner & co., 1928.

— [The same] Essais de psychologie analytique. Traduits de l'allemand par Yves Le Lay. xviii, 198p. 12°. Par., Libr. Stock, 1931.

— Die Beziehungen der Psychotherapie zur Seelsorge. 30p. 8°. Zür., Rascher & cie, 1932.

— La théorie psychanalytique (Versuch einer Darstellung der psychoanalytischen Theorie). Traduit de l'allemand par Mme Schmid-Guisan. 125p. 8°. Par., Ed. Montaigne [1932]

— The psychology of dementia praecox. Transl. by A. A. Brill. ix, 150p. 8°. N. Y., Nerv. & Ment. Dis. pub. co., 1936.

— Psychology and religion. 3p., 131p. 8°. N. Haven, Yale Univ. pr., 1938.

— The integration of the personality. Transl. by Stanley M. Dell. 313p. illust. 23½cm. N. Y., Farrar & Rinehart [1939]

— Modern man in search of a soul. Transl. by W. S. Dell & Cary B. Baynes. ix, 282p. 22½cm. N. Y., Harcourt, Brace & co., 1939.

See also Jacobi, J. The psychology of C. G. Jung. 2. ed. 169p. 23cm. Lond. [1943]

[Biography] Current Biogr., N. Y., 1943, 4: No. 4, 26, portr.—Curtius, O. Prof. Dr C. G. Jung zum 60. Geburtstag. Zbl. Psychother., 1935, 8: 145, portr.—Fordham, M. Jung's psychology. Brit. M. J., 1942, 2: 260.—Hankin, C. The Jung psychology. Med. Press & Circ., Dubl., 1933, 135: 32; 52.—Jung, C. G. Freud and Jung, contrasts. In his Modern Man in Search of a Soul, N. Y., 1939, 132–42.—Long, C. E. Jung's papers on analytical psychology. Brit. M. J., 1916, 2: 439.—Mackenzie, M. Jung's contribution to clinical psychiatry. Proc. R. Soc. M., Lond., 1934–35, 28: 1051–64.—Mehlich, R. Os tipos na doutrina psicológica de C. G. Jung. Atas Congr. paul. psicol. (1938) 1939, 1. Congr., 189–98. Also Rev. neur. psiquiat. S. Paulo, 1942, 8: 26.—Morawitz-Cadio, A. v. Streiflichter über C. G. Jungs Geburts-Horoskop. In Kultur. Bedeut. d. kompl. Psychol., Berl., 1935, 516–23.—Ray, M. B. Doctor Jung. In her Doctors of the Mind, Bost., 1942, 142.—Rittmeister, J. C. G. Jungs Energetik der Seele. Aerzt. Rdsch., 1930, 40: 17–20.—Stephenson, W. Methodological consideration of Jung's typology. J. Ment. Sc., Lond., 1939, 85: 185–205.

For portrait see S. Barth. Hosp. J., Lond., 1936–37, 44: 59.

JUNG, Charles Alexandre Alfred, 1902— *Recherches physiologiques sur la créatinurie; influence de variations expérimentales de l'équilibre acide-base sur le rapport entre la créatine et la créatinine. 46p. 8°. Par., A. Legrand, 1930.

JUNG, Edwin, 1907— *Ueber die Heilungstendenz geplatzter Extrauterin graviditäten nach Operation unter Zurücklassung von flüssigem Blut und Coagula in der freien Bauchhöhle [Halle] 16p. tab. 8°. Lippstadt-Westf., Thiele [1934]

JUNG, Elisabeth Eleonore, 1909— *Ueber eine Sippe mit angeborener Maculadegeneration. 20p. 8°. Giessen, E. Seibert, 1937.

JUNG, Emil, 1903— *Zur Frage der weiblichen Genitaltuberkulose kombiniert mit Adenomyosis [Zürich] 20p. 8°. Aarau, Aargauer Tagbl., 1930.

JUNG, Ernst [M. D., 1927, Zürich] *Refraktometrische und viscosimetrische Untersuchungen an Hirudinplasma [Zürich] 13p. 8°. Winterthur, Geschw. Ziegler, 1927.

JUNG, Ernst, 1909— *Indikation und Konstruktion von Kippmeidern beim partiellen Zahnersatz [Breslau] 31p. 8°. Liebau-R., H. Hiltmann, 1934.

JUNG, Erwin, 1909— *Ueber die Durchbruchzeiten der Milchzähne bei Kindern aus dem Kreis Eschwege. 45p. 8°. Greifswald, H. Adler, 1938.

JUNG, Felix [Heinrich Guido] 1877— *Beitrag zur Lehre von der conjugalen Paralyse. 16p. 8°. Kiel, H. Krause, 1907.

JUNG, Franz, 1909— *Ueber Entero- und Koproolithen sowie Faecaltumoren. 18p. 22½cm. Berl., F. Linke, 1937.

JUNG, Frederic Theodore, 1898— Exercise in the arithmetic of prediction; an introduction to biometry. 40 l. 22½cm. [Evanston, Author, 1942]

For biography see Phi Chi Q., Menasha, 1934, 31: 429.

— **BENJAMIN, Anna Ruth, & EARLE, Elizabeth Carpenter.** Anatomy and physiology. xxii, 637p. illust. 22cm. Phila., F. A. Davis co., 1939.

- JUNG, Fritz, 1901–** *Ueber Clavicularknackturen und ihre Behandlung und Erfolge an der Schmieden'schen Klinik in den Jahren 1929–27 [Frankfurt a. M.] 55p. 8°. Neu-Issenb., A. Koch, 1929.
- JUNG, Fritz, 1903–** *Studien über Einbettungsmassen und ihren Einfluss auf die Oberflächengestaltung von Gussarbeiten [Breslau] 21p. 8°. [Berl., H. Pusch], 1926.
- JUNG, Fritz, 1910–** *Die Bluttransfusion und ihre Bedeutung für den Zahnarzt [Würzburg] 20p. 21cm. Bottrop i. W., W. Postberg, 1937.
- JUNG, Georg, 1908–** *Ueber drei in der Marburger medizinischen Klinik beobachtete Fälle von Seminom unter besonderer Berücksichtigung ihrer Strahlenempfindlichkeit [Marburg] 38p. 21cm. Bochum-Langendr., H. Pöppinghaus, 1937.
- JUNG, Guido [M. D., 1931, Basel]** *Ueber extrarenal bedingte Harnstoffretention [Basel] p.546–59. 8°. Berl., J. Springer, 1931.
Also Zschr. klin. Med., 118:
- JUNG, Hans [Wilhelm Alwin] 1902–** *Ueber den Verlauf von 51 an der medizinischen Poliklinik zu Leipzig mit Eigenserum behandelten Lungentuberkulosen [Leipzig] 22p. 8°. Oschatz, C. Morgner, 1927.
- JUNG, Helmut, 1906–** *Beitrag zum Problem der Haemolyse; Beeinflussung der Saponinhaemolyse durch bestimmte Pharmaka. 42p. 8°. Marb., H. Kilber, 1933.
- JUNG, Helmut, 1909–** *Ueber die Wärmestrahlung der menschlichen Haut bei den verschiedenen Arten von Hyperämie [München] 15p. 8°. Düsseldorf, G. H. Nolte, 1934.
- JUNG, Helmut, 1913–** *Die Säuglingssterblichkeit in Würzburg in den Jahren 1905–34 [Würzburg] 32p. 21cm. Ochsenfurt a. M., Fritz & Rappert, 1938.
- JUNG, Herbert, 1908–** *Die operative Behandlung bei Depressionen. 30p. 8°. Berl., R. Pfau, 1934.
- JUNG, Hermann, 1908–** *Ueber die Exstirpation retrobulbärer Sarkome mit Erhaltung der Funktion des Auges [Freiburg] 38p. 8°. Köln, H. Zimmermann, 1932.
- JUNG, Josef [Heinrich Michael] 1909–** *Ein Beitrag zur kapillar-mikroskopischen Untersuchung in der Zahnheilkunde. 14p. 8°. Münch. [n. p.] 1932.
- JUNG, Joseph, 1908–** [of Kempton] *Klinisches und Pathologisch-Anatomisches über drei tödlich verlaufene Fälle von Knollenblätterschwammvergiftung. 17p. 8°. Münch., Salesian. Off., 1935.
- JUNG, Joseph, 1908–** [of Offenbach] *Untersuchung über Geruchsschwellen. 29p. 8°. Würzb., R. Mayr, 1936.
- JUNG, Karl, 1889–** Laboratoriumskunde des Zahnarztes. 2. Aufl. 127p. 12°. Berl., F. E. Haag, 1921.
- JUNG, Karl Georg, 1906–** *Untersuchungen über Reizspeichel [Frankfurt] 20p. 8°. Berl., Berlin. Verl. [1931]
- JUNG, Marie Antoinette Constance [M. D., 1938, Strasbourg]** *Contribution à l'étude clinique et endocrinologique de l'obésité pré-pubertaire. 142p. tab. 24½cm. Strasb., Impr. St Thomas, 1938.
- JUNG, Moses, 1891–** , ed. Modern marriage. xiv, 420p. illust. pl. diagr. 22½cm. N. Y., F. S. Crofts & co., 1940.
- JUNG, Oskar, 1907–** *Ueber Kälteschadigungsversuche an der Kaninchenleber [Kiel] 27p. 8°. Libau, G. D. Meyer, 1930.
- JUNG, Otto, 1913–** *Beitrag zur Kenntnis der weissen Edelmetalllegierungen [Berlin] 15p. 23cm. Lpz., W. Vobach & co., 1937.
- JUNG, Paul.**
Guggisberg & Labhardt [Biography] Schweiz. med. Wschr., 1936, 66: 25, portr.
- JUNG, Peter, 1903–** *Die Entwicklung des Schweine-Eierstockes bis zur Geburt [Zürich] p.27–74. 23½cm. Lpz., Akad. Verl., 1937.
Also Zschr. mikr. anat. Forsch., 1937, 41:
- JUNG, Ralf, 1911–** *Zur Pathogenität des Enterococcus [Heidelberg] 16p. 21cm. Speyer a. Rh., Pilger, 1937.
- JUNG, Rudolf, 1908–** *Beitrag zur Kenntnis der Lungenembolie [München] 15p. 8°. Borna-Lpz., R. Noske, 1934.
- JUNGBAUER, Gustav, 1912–** Deutsche Volksmedizin; ein Grundriss. viii, 248p. 23cm. Berl., W. de Gruyter & co., 1934.
- JUNGBAUER, Josef, 1912–** *Die Epulis und ihre Behandlungsverfahren unter besonderer Berücksichtigung der Strahlenbehandlung [München] 47p. 21cm. Deggendorf, A. Hiel, 1938.
- JUNGClaus, Kurt, 1912–** *Zur Bewertung der Wasserstoffionenkonzentration für die Beurteilung des Fleisches notgeschlachteter Rinder und Schweine. 53p. 8°. Giessen, H. Bauer, 1938.
- JUNGE, Werner, 1905–** *Aneurysma-bildung auf luischer Grundlage bei einem 19jährigen Mädchen [Rostock] 18p. 8°. Dresd., T. Steinkopff, 1931.
- JUNGE, Wolfgang, 1899–** *Die Diagnostik Simons und ihre Auswirkung auf die Therapie der Klasse II nach Angle. 23p. 8°. Frankf. a. M., Walther & Geitzhaus, 1928.
- JUNGEBlODT, Fritz, 1895–** *Ueber den Wert des Luminals bei der Behandlung von Geisteskranken unter besonderer Berücksichtigung eines Falles von schwerem Luminalexanthem mit bedrohlichen Allgemeinerscheinungen [Giessen] 48p. 8°. Münster i. W., Aschendorf. Verlagsdr., 1927.
- JUNGEBlOED, Joseph, 1908–** *Ein Beitrag zur Kenntnis der Resorption wässriger Lösungen durch die Säugetierlunge [Leipzig] 25p. 23½cm. Zeulenroda, A. Oberreuter, 1937.
- JUNGERMANN, Ludwig, 1572–1653.**
Wein, K. Caspar Bauhin an Ludwig Jungermann; ein Beitrag zur Geschichte der Botanik des 17. Jahrhunderts. Sudhoffs Arch., 1937, 30: 152–66.
- JUNGERMANN, Werner, 1910–** *Ueber Keratitis superficialis punctata [Würzburg] 16p. 21cm. Zeulenroda, B. Sporn, 1936.
- JUNGFER, Günther, 1908–** *Wahrer und nicht angeborener oesophagealer Bruch des Zwerchfells. p.463–85. 8°. Berl. [n. p.] 1933.
Also Virchows Arch., 1933, 289:
- JUNGFERMANN, Walter Franz, 1904–** *Die internistische und chirurgische Zusammenarbeit bei der Behandlung des Diabetes mellitus. 38p. 8°. Berl. [n. p.] 1932.
- JUNGFLEISCH, Heinrich, 1909–** *Komplikationen nach Elliot'scher Trepanation [Giessen] 38p. 8°. Homburg-Saar, Kath. Knaben-Erziehungsheim [1935]
- JUNGFLEISCH, Walter J., 1908–** *Ueber das Verhalten der Blutgase im Kohlensäurebad [Frankfurt] 11p. 8°. S. Ingbert, Westpfälz. Verl., 1937.
- JUNGHANNs, Herbert [Georg Walter] 1902–** *Ueber Dauererfolge der supracondylären Keilosteotomie des Femur bei Genu valgum, nebst einigen Bemerkungen zur Aetiologie und Pathologie dieser Deformität. 34p. 11 tab. 8°. Lpz. [A. Pries] 1927.

— Die Zottengeschwülste des Dickdarms und Mastdarms. 208 l. illust. 4°. Frankf. [1935?]

Typewritten.

— Die Pathologie der Wirbelsäule. p.216–429. 25½cm. Berl., J. Springer, 1939.

In Handb. spez. path. Anat. Histol. (O. Lubarsch, & F. Henke) Bd 9, T. 4.

— Der Stütz- und Bewegungsapparat; Knochengerüst, Gelenke, Muskeln, Sehnen, Sehnencheiden und Schleimbeutel. ix, 118p. 24½cm. Lpz., J. A. Barth, 1939.

T. 1, Path.-physiol. Grundle. Chir.

JUNGHANS, Erich, 1910— *Ueber die Beziehungen zwischen Trauma und Lungentuberkulose [Halle-Wittenberg] 24p. 21cm. Würzb., R. Mayr, 1937.

JUNGHANS, Hans, 1908— *Beitrag zu den subcutanen Pankreas-Verletzungen [Freiburg] 20p. 8°. Schramberg (Württemb.) Gatzler & Hahn, 1932.

JUNGHANS, Helmut, 1910— *Die Fulguration als unterstützendes Verfahren der Strahlenbehandlung der Carcinome mit besonderer Berücksichtigung der Collum-Carcinome [München] 16p. 22cm. Düsseld., G. H. Nolte, 1937.

JUNGHAUS [Richard Gustav] Erich, 1906— *Ueber 5000 Spülungen mit dem subaqualen Darmbad. 28p. 8°. Lpz., A. Edelmann, 1932.

JUNGHERR, Erwin.
See Pappenheimer, A. M., & Goettsch, M., & Jungherr, E. Nutritional encephalomalacia in chicks ... 121p. 23cm. Storrs, Conn., 1939.

JUNGHOLT, Heinz, 1900— *Ueber das Verhalten der elastischen Fasern in der Zungen-schleimhaut bei fortschreitendem Lebensalter. 46p. 8°. Erlangen, Höfer & Limmert, 1932.

JUNGIUS, Joachim, fl. 17. century.
Lüdke, H. Des Joachimi Jungii Lubecensis handschriftlicher Nachlass. Sudhoffs Arch., 1936–37, 29: 366–405. — Materialien über die Beziehungen zwischen Jungius und Descartes. Ibid., 409–22. — & Meyer, A. Zur Aktualität des Joachim Jungius. Ibid., 406–8.

JUNGK, Gerhard [Friedrich Waldemar] 1914— *Der Einfluss der Aussentemperatur auf die Verbrennungsgeschwindigkeit des Äthylalkohols beim Kaninchen. 24p. 21cm. Berl. [n. p.] 1939.

JUNGLE.

See also Tropical medicine; Tropics.

UNITED STATES WAR DEPARTMENT. Basic field manual FM 31–20: Jungle warfare. 87p. Wash., 1941.

Carter, H. P. Medical problems in jungle warfare. Mil. Surgeon, 1942, 91: 640–7. — Freyd, A. Pathologie d'Amazonie Péruvienne. Rev. méd. hyg. trop., Par., 1930, 22: 145–88. — Jungle (At a) first aid station in Panama. J. Am. M. Ass., 1943, 121: 1223.

JUNGLE yellow fever.

See under Yellow fever.

JUNGMANN, Alfred, 1910— *Gibt es geheilte Fälle von Lymphogranulomatose oder die Möglichkeit bei diesen Leiden Heilung zu erzielen? 51p. 21cm. Berl., B. Levy, 1936.

JUNGMICHEL, Gottfried [M. D.], 1927, Greifswald] Alkoholbestimmung im Blut; Methodik und forensische Bedeutung. vii, 124p. tab. diagr. 8°. Berl., C. Heymann, 1933.

JUNGNE, Pierre, 1907— *Contribution à l'étude de la loi des assurances sociales; l'assurance maladie, l'assurance maternité; leurs fonctionnement, les premiers résultats. 76p. 8°. Par., Jouve & cie, 1931.

JUNGNICKEL [Otto Emil] Joachim, 1912— *Histochemischer Nachweis von Cadmium im Kieferknochen und Zahnhartgewebe bei experimenteller Cadmiumfütterung. 16p. 22½cm. Lpz., A. Edelmann, 1937.

JUNGNITZ, Alfred, 1891— *Beiträge zur Frage der operativen Behandlung der Prostatahypertrophie und des Prostatacarzinoms [Rostock] 23p. 8°. Berl., E. Ebering, 1920.

JUNGSBLUTH, Anton, 1897— *Beiträge zur Diagnose und Behandlung der arteriellen Embolie. 29p. 8°. Tüb., E. Göbel, 1930.

JUNG-STILLING, Johann Heinrich, 1740–1817.

Leibbrand, W. Neue Mystik. In his Göttl. Stab d. Aeskulap, Salz., 1939, 338–44. — Ramsauer, R. Jung-Stilling (1740–1817) als Naturforscher. Sudhoffs Arch., 1937–38, 30: 282–94.

JUNIPERUS.

See also Coniferae.

VERNET, A. M. *Sur les essences de deux Juniperus: Juniperus sabina L. et Juniperus phoenicea L. 180p. 8°. Lyon, 1935.

Assay of juniper for volatile oil content. Bull. Nat. Formulary Com. U. S., 1939–40, 8: 162–4. — Bredemann, G., & Köter, W. Zur Entwicklungsgeschichte der Wacholderbeeren (Fructus juniperi) Arch. Pharm., Berl., 1931, 269: 167–75. — Foschi, M. Sull'azione oitocica della sabina e sulle sue pratiche applicazioni. Clin. vet., Milano, 1938, 61: 474–81. — Guinier, P. Notes biologiques sur un genévrier des Alpes françaises (Juniperus thurifera L.) C. rend. Soc. biol., 1929, 100: 1142–4. — Heurre, R. Sur les essais de l'huile de cade, Bull. sc. pharm., 1921, 28: 508–12. — A propos de l'essai de l'huile de cade. J. pharm. chim., Par., 1926, 8. ser., 4: 65. — Kagaya, Y. Zur Pharmakologie der Sabina. Arch. exp. Path., Lpz., 1927, 124: 245–7. — Lehman, A. J., & Lynn, E. V. The leaf oils of Washington conifers: Juniperus scopulorum. J. Am. Pharm. Ass., 1930, 19: 1071–5. — Lord, L. W. Oil of cadeberry; a little known drug that is valuable in certain dermatoses. Arch. Derm. Syph., Chic., 1933, 28: 29–31. — Lynn, E. V., & Fischer, L. The leaf oils of Washington conifers: Juniperus occidentalis. J. Am. Pharm. Ass., 1935, 24: 613–5. — Massy, R. Sur l'examen polarimétrique des huiles de cade. J. pharm. chim., Par., 1926, 8. ser., 4: 61–5. — Montuori, S., & Rigoletti, L. Studio comparativo sulla tossicità dell'essenza di ginepro e dell'essenza di sandalo. Arch. ital. mod. sper., 1939, 4: 163–6. — Papavassiliou, M. J. Sur deux cas d'intoxication par la sabine; la perméabilité placentaire à l'essence de sabine. Ann. méd. lég., 1935, 15: 778–81. — Patoir, A., Patoir, G., & Bédrine, H. Action toxique de l'essence de sabine et de l'armoise sur l'organisme. C. rend. Soc. biol., 1938, 127: 1325. — Revol, L. Genévrier à encens Juniperus thurifera L. et son essence. Bull. sc. pharm., Par., 1935, 42: 577–89. — L'essence constituée-t-elle l'unique principe actif des Juniperus de la section sabina? action physiologique d'extraits de J. sabina, J. phoenicea, J. thurifera. Ibid., 1936, 43: 139–44. — Walther, K. Biologie und Systematik des Wacholders (Juniperus communis L.) Deut. Heilpflanze, 1940, 6: 28–30. — Wright, E., & Slagg, C. M. Some tentative conclusions resulting from plot analyses of Phomopsis-blighted juniper seedlings in Great Plains Nurseries during 1941. Phytopathology, 1942, 32: 19. — Zöllner, E. Der Wacholder in der deutschen Volkskunde. Deut. Heilpflanze, 1937–38, 4: 197.

JUNIUS [pseud.] [Letters] 2v. xxxv, 318p. [paged consecutively] illust. portr. facs. 22cm. Lond., T. Bensley, 1801.

JUNIUS, Adrian, 1511–75. Animadversorum lib. VI. [28] 432p. 8°. Basel, 1556.

JUNIUS, Paul, 1871— Die entschädigungspflichtigen Berufskrankheiten des Auges. 51p. 8°. Stuttg., F. Enke, 1907.

Forms Beilh. v. 99, Klin. Mbl. Augenh.

— & KUHN (Hermann). Die scheibenförmige Entartung der Netzhautmitte (Degeneratio maculae luteae disciformis) vii, 132p. 8°. Berl., S. Karger, 1926.

JUNK, Erich, 1906— *Quantitative, vergleichende Untersuchungen über die krampflösende Wirkung einiger neuerer Spasmolytika beim experimentell erzeugten myogenen und neurogenen Krampf am isolierten Kaninchendarm. 23p. 8°. Erlangen, K. Döres, 1936.

JUNK, Ernst, 1873— *Beiträge zur Genese und Therapie der Aktinomykose des Menschen unter gleichzeitiger Berücksichtigung der neuesten Forschungen in der Tiermedizin [Berlin] 44p. 8°. Charlottenb., K. & R. Hoffmann, 1937.

JUNK, Wilhelm, 1866— Scientiae naturalis bibliographia. Haag, v.1, 1937—
Also editor of *Tabulae biologicae*. Berl., 1925-29.

JUNK [incl. junk dealer]

See also **Refuse; Salvage; Waste.**

Brill, J. G., & Payne, E. G. Junking. In *Their Adolescence & Crime Prev.*, N. Y., 1938, 141-5.—**Cabot, P. C.** The salvage of rubber and metals. *J. Am. M. Ass.*, 1942, 119: 184.—**Codling, J. H.** Salvage operations in refuse disposal at Birmingham. *J. R. San. Inst.*, 1937-38, 58: 414-26.—**Gair, J.** Refuse disposal by separation and salvage. *Tr. Internat. Conf. San. Engin.*, 1924, 1. Congr., 325-34.—**Peck, A. P.** Domestic rubber plantations; scrap rubber, reclaimed, can go far to fill the gap in military and in some civilian needs. *Se. American*, 1942, 167: 105-7.—**W., T. S.** Worn rubber goods for national defense. *Am. J. Surg.*, 1941, 53: 1.

JUNKENITZ, Karl, 1900— *Ueber das 3. Fragment bei Knochenbrüchen. 16p. 8°. Würzb., F. Staudenraus, 1927.

JUNKENITZ, Nikolaus, 1907— *Ueber pathologisch-anatomische Organveränderungen bei Katzen die mit gechlorten Kohlenwasserstoffen akut vergiftet wurden (Methodik, Ergebnisse, Literatur) 39p. 8°. Würzb., G. Grasser, 1933.

JUNKER, Erika Lisa, 1907— *Das Rhinophyma und seine Behandlung [Leipzig] 22p. 8°. Zeulenroda, A. Oberreuter, 1933.

JUNKER, Fritz Hermann, 1911— *Die Diagnostik des Carcinoms durch die Bestimmung der atoxylresistenten und Gesamtlipase im Blutserum und durch die Carcinomreaktion nach H. J. Fuchs. 19p. 8°. Giessen, W. Herr, 1935.

JUNKER, Wilhelm, 1910— *Die therapeutischen Untersuchungen bei der Pneumonie in den letzten 35 Jahren. 27p. 4 tab. 8°. Bonn, A. Brand, 1937.

JUNKERFEUERBORN, Heinrich, 1913— *Ein Beitrag zur Bedeutung und Notwendigkeit der Schulzahnpflege im Kreise Wiedenbrück-Nord [Münster] 23p. 8°. Lengerich i. W., Lengerich. Handelsdr. [1937]

JUNKMANN, K. Thyreotropes Hormon und verwandte Hormone. p.1027-111. 8°. Berl., Urban & Schwarzenberg, 1938.
In *Handb. biol. Arbeitsmeth.* (Abderhalden, E.) Berl., 1938, 5: T. 3. B. 2. Hälfte.

JUNOD, Edouard, 1870-1927.

T. E. [Nécrologie] *Rev. méd. Suisse rom.*, 1927, 47: 113.

JUNOLD [Paul] Johannes, 1909— *Ueber das diastatische Ferment im Speichel anurer Amphibien. 30p. 8°. Lpz. [n. p.] 1933.

JUNOT, Andoche, 1771-1813.

Ehlers. [General Junot's mental derangement and dramatic death] *Ugeskr. læger*, 1928, 90: 961-3.

JUNQUEIRA Franco, João, [M. D., 1933, S Paulo] *Do emprego do soro precipitante antihumano secco na reacção de Uhlenhuth. 39p. 8°. S. Paulo, *Rev. dos Tribunaes*, 1933.

JUON, Martin [M. D., 1927, Lausanne] *Recherches sur les cutiréactions spécifiques des infections allergisantes et leurs rapports avec la vitesse de sédimentation [Lausanne] 24p. 8°. Basel, Benno Schwabe & co., 1927.

JUOZAPAVICIUS, Kazys, 1906— *Contribution à l'étude de la grippe asphyxique. 65p. 8°. Par., L. Rodstein, 1933.

JUPE, Franz, 1901— *Beitrag zur Analyse der verkalkten Epitheliome der Haut. 19p. 8°. Bresl., Quader Dr., 1928.

JUPEAU, Michel, 1915 *Considérations psychologiques sur le reclassement social des tuberculeux sortant de sanatorium. 35p. 24cm. Par., E. Le François, 1939.

JUPITZ, Otto, 1900— *Ueber die Lage von Profilkpunkten an Schädeln der Blumenbach'schen Sammlung des Anatomischen Instituts in Göttingen [Würzburg] 31p. 4 pl. 4 diagr. 8°. Erlangen, K. Döres, 1928.

JUPITZ, Walter [Erwin] 1908— *Ueber einen Fall von Osteofibrosarkom der Nasennebenhöhlen (ein Beitrag zur Frage der Nasennebenhöhlentumoren) 36p. 8°. Bonn, P. Kubens, 1932.

JUQUELIER, A.
See **Porcher, P., & Juquelier, A.** *Précis de technique radiographique*. 332p. 25cm. Par., 1938.

JURAIN, Henri, 1914— *Recherches expérimentales sur la respiration des globules rouges nucléés; influence de l'adrénaline, de l'acétylcholine, de la thyroxine, de l'iode et des sérums humains normaux et pathologiques. 115p. 24cm. Lyon, Salut Public, 1939.

JURASZ, Antoni Aleksander Tomasz, 1882— *Honorary fellowship for Prof. Jurasz. Brit. M. J.*, 1942, 1: 277.—*Polish professor honored. J. Am. M. Ass.*, 1942, 119: 200.

JURBLUM, Boruch, 1910— *Contribution à l'étude des éliminations urinaires des complexes hormonaux antehypophysaires et de la folliculine. 57p. 8°. Par., Jouve & cie, 1935.

JURBLUM, Sora Chana [M. D., 1925, Genève] *La réaction de Kahn et sa valeur comparative avec la réaction de Bordet-Wassermann pour le diagnostic de la syphilis. 15p. 8°. Genève, J. Guerry, 1925.

JURBORSKIS, Mejeris L., 1903— *Procedés actuels de l'avortement criminel. 31p. 8°. Strasb., La Bourse, 1933.

JURETSCHKE, Bernhard, 1896— *Ueber Myelome des Schädels mit Beteiligung der Orbita. 30p. 10 pl. 8°. Berl., Michel, 1934.

JURETSCHKE, Walter, 1904— *Foetus mortuus im Röntgenbild. 47p. 22½cm. Würzb., R. Mayr, 1938.

JURETTKO, Paul, 1889— *Beiträge zur Toxikologie des Knollenblätterschwammes (*Amanita phalloides*) 34p. 8°. Bresl., H. Kramer, 1925.

JURGENS, Henry Joseph, 1872-1941.
For obituary see *Month. Bull. Adams Co. M. Soc.*, 1941, 18: 23, portr.

JURGENS, Indrik Karlovich, 1888-1917.
Danilov, S. [Obituary] *J. Russ. fiz. khim. obsheh.*, khim. ch., 1917, 49: 119-22.

JURIE, R. [M. D., 1938, Toulouse] *Traitement curatif du tétanos par l'éthanol en injections endoveineuses associée à la sérothérapie. 52p. 24cm. [Toulouse] Impr. Toulousaine, 1938.

JURISPRUDENCE.

See also **Law**; also specific legal subjects and terms as **Abattoirs; Laws; Abortion; Accidents; Medico-legal aspects; Adolescence; Forensic aspects; Adultery; Advertising; Criminal law; Health law, etc.**

CARACAS. COLEGIO DE ABOGADOS DEL DISTRITO FEDERAL. Revista. Caracas, v.4, 1940—

CURRENT LEGAL THOUGHT. N. Y., v.2, 1935—
DOCTOR (THE) AND THE LAW. Wheaton, v.5, [1938]—

[Annual] index to the nation's legal periodicals. *Current Legal Thought*, 1940-41, 7: 541-653.—**Arthur, W. R.** [Legal] glossary. In *his Law of Drugs*, 2. ed., S. Paul, 1940, p. xxv-xxx.—**Besso, M. A.** Neue Rechtsinstitute als Erkenntnis-mittel und als Auswirkung der bei der Rechtsbildung wirkenden Kräfte. In *Festschr. H. Zangger, Zür.*, 1935, 1: 504-14.—

Brown, L. G. Legal factors in social disorganization. In his *Social Path.*, N. Y., 1942, 516-34.—**Canyes, M. S.** The Pan American Union and comparative law studies in the Americas. *Bull. Panamer. Union*, 1942, 76: 681-9.—**D'Amelio, M.** Misure di sicurezza nel Codice Civile. *Arch. antrop. crim.*, Milano, 1938, 58: 1-10.—**Del Picchia Filho, J.** O Código do processo civil brasileiro e o assistente-técnico. *Rev. Arq. mun.*, S. Paulo, 1941, 7: No. 73, 251-4.—**Fleiner, F.** Kausalitätsprobleme im Verwaltungsrecht. In *Festschr. H. Zangger Zür.*, 1935, 1: 496-503.—**Florian, E.** L'insegnamento del diritto e della procedura penale. *Scuola posit.*, 1926, 36: 34-6.—**Guzmán, P.** Apuntaciones sobre el método tradicional de interpretación de las leyes. *Rev. Col. abogados, Caracas*, 1940, 4: No. 16, 21-53.—**Hartter, G.** Das Gottesgericht bei den Ewe. *Zschr. Ethnol.*, 1937-38, 69: 63-72.—**Haff, K.** Rechtspsychologie; Forschungen zur Individual- und Massenpsychologie des Rechts und zur modernen Rechtsfindung. In *Handb. biol. Arbeitsmeth.* (Abderhalden, E.) *Berl.*, 1935, Abt. 6, Teil C. II, 1, (Bd 2) 1-118.—**Lowie, R. H.** The Cheyenne Way; Conflict and Case Law in Primitive Jurisprudence, by K. N. Llewellyn and E. Adamson Hoebel; Norman, 1941. *Am. Anthropol.*, 1942, 44: 478.—**Mellwain, C. H.** Our heritage from the law of Rome. *Foreign Affairs*, 1940-41, 19: 597-608.—**Maday, A. de.** Essai d'une explication psychologique de l'origine du droit; théorie de la valeur des droits. *Rapp. Congr. internat. psychol.* (1909) 1910, 6. Congr., 717-28.—**Meggendorfer, F.** Zur Ablösung des BGB. *Fortsch. Neur. Psychiat.*, 1938, 10: 1-16.—**Polsky, S., & Beresford, S.** Some probative aspects of the early Germanic codes, Carolina and Bambergensis. *Ann. Int. M.*, 1943, 18: 841-5.—**Pound, R.** Science and legal procedure. *Am. J. Psychiat.*, 1928, 8: 33-51.—**Powers, E.** Psychology and the law. *J. Abnorm. Psychol.*, 1937, 32: 258-74.—**Radbruch, G., & Pizani, R.** El relativismo en la filosofía del derecho. *Rev. Col. abogados, Caracas*, 1940, 4: No. 16, 7-15.—**Raitzin, A.** Los informes médicos policiales. *Rev. espec.*, B. Air., 1928, 3: 530-5.—**Remund, M. H.** Beeinflussung der Rechtssicherheit durch ausserrechtliche Faktoren. In *Festschr. H. Zangger, Zür.*, 1935, 1: 400-21.—**Seagle, W.** Sociological trends in modern jurisprudence. In *Contemp. Soc. Theory* (Barnes, H. E., et al.) N. Y., 1940, 669-87.—**Syme, D.** Reports of the proceedings in the high court of judicary. *Month. J. Foreign Med.*, 1828, 2: 179-83.—**Thurnwald, R.** Ethnologische Rechtsforschung; das Recht bei Völkern erwachenden Bewusstseins. In *Lehrb. Völkerk.* (R. Thurnwald) *Stuttg.*, 2. Aufl., 1939, 280-306.—**Wallace, J. A.** Medicine and the law. *Irish J. M. Sc.*, 1940, 6. ser., No. 179, 748-55.—**Weihofen, H.** Revoking probation, parole or pardon without a hearing. *J. Crim., Chic.*, 1941-42, 32: 531-9.—**Zangger, H.** Aufgaben der kausalen Forschung in Medizin und Recht. *Schweiz. med. Wschr.*, 1935, 65: 170-4.—**Zürcher, E.** Recht und Wahrheit. In *Festschr. H. Zangger, Zür.*, 1935, 1: 379-87.

— medical.

See Forensic medicine.

JURIST, Alexandre, 1907— *Etude pathologique de la pellagre. 43p. 8°. Par., Jouve & cie, 1937.

JURIST.

See also Coroner; Judge; Lawyer, etc.

Ferrari, G. C. Psychologie der Juristen. *Zschr. angew. Psychol.*, 1930, 36: 209-14.—**Hartzfeld, C. A. J.** De la typologie des juristes. *Arch. psychol.*, Genève, 1938-39, 27: 89-99.—**Kraus, L.** Die Eignung für die juristischen Berufe: Richter, Verwaltungsbeamter, Advokat. *C. rend. Conf. internat. psychotechn.* (1934) 1935, 8. Conf., 436-41.

[JURNAL akusherstva i zhenskikh boleznei] Журнал акушерства и женских болезней. Ленинград, v.1-44, 1887-1933. Beginning with No. 1, 1937, title reads *Akusherstvo i ginekologia*.

[JURNAL detskikh boleznei] Журнал детских болезней. Ленинград, v.1, Nos 1-3, 1925.

[JURNAL eksperimentalnoi biologii i mediciny] Журнал экспериментальной биологии и медицины. Москва, No. 1, 1925—

[JURNAL epidemiologii i mikrobiologii] Журнал эпидемиологии и микробиологии. Москва, Nos 1-12, 1932-33.

Beginning with v.16, 1936, title reads *[Jurnal mikrobiologii, epidemiologii i immunobiologii]*

[JURNAL po izuchenniu rannevo detskovo vozrasta] Журнал по изучению раннего детского возраста. Москва, v.9-11, 1929-31.

Beginning with v.12, 1932, title reads *[Jurnal po ranнему detskomu vozrastu]*

[JURNAL mikrobiologii, epidemiologii i immunobiologii] Журнал микробиологии, эпи-

демиологии и иммунобиологии. Москва, v.16, 1936—

Formerly *[Jurnal epidemiologii i mikrobiologii]* Nos 1-12, 1932-33, and *[Jurnal mikrobiologii i immunobiologii]* v.8-9, 1931-33.

[JURNAL mikrobiologii i immunobiologii] Журнал микробиологии и иммунобиологии. Москва, v.8-9, 1931-33.

Formerly *[Jurnal mikrobiologii, patologii i infektsionnykh boleznei]* v.2-5, 1925-28; beginning with 1935 title reads *pato [Jurnal mikrobiologii, epidemiologii i immunobiologii]*

[JURNAL mikrobiologii, patologii i infektsionnykh boleznei] Журнал микробиологии, патологии и инфекционных болезней. Москва, v.2-5, 1925-28.

Title changes in 1930 to *[Jurnal mikrobiologii i immunobiologii]*

[JURNAL nevropatologii i psikiatrii] Журнал невропатологии и психиатрии. Москва, v.1-24, 1901-31.

Beginning with v.2, 1933, title reads *[Sovetskaja nevropatologia, psikiatria i psikhogigiena]*

[JURNAL profilakticheskoi, subtropicheskoi i klinicheskoi mediciny] Журнал профилактической, субтропической и клинической медицины. Tashkent, v.4, 1934—

[JURNAL po ranнему detskomu vozrastu] Журнал по раннему детскому возрасту. Москва, v.12, 1932—

Formerly *[Jurnal po izuchenniu rannevo detskovo vozrasta]* v.9-11, 1929-31.

[JURNAL teoreticheskoi i prakticheskoi mediciny] Журнал теоретической и практической медицины. Баку, v.1, 1924—

[JURNAL ushnykh, nosovykh i gorlovykh boleznei] Журнал ушных, носовых и горловых болезней. Харьков, v.16, 1939—

[JURNAL dlia usovershenstvovaniya vrachei] Журнал для усовершенствования врачей. Ленинград, v.4, 1926—

JURSS, Charles Darwin, 1902— *Injection treatment of varicose veins [Marquette] 17p. 4°. Wauwatosa, Wis., 1931. Typewritten.

JURY [incl. juror]

Corres, K. H. Der Wahrspruch der Geschworenen und seine psychologischen Grundlagen. *Jurist. psychiat. Grenzfr.*, 1903, 1: H. 2 & 3, 1-96.—**Herschmann, H.** Schwurgerichtskrise und forensische Psychiatrie. *Beitr. gerichtl. Med.*, 1929, 9: 56-68.—**Koch, C. R. E.** Exemption of dentists from jury duty. In his *Hist. Dent. Surg.*, Chic., 1909, 1: 852-4.—**Weld, H. P., & Danzig, E. R.** A study of the way in which a verdict is reached by a jury. *Am. J. Psychol.*, 1940, 53: 518-36.

JURYTKO, Anton, 1908— *Die Lumbalpunktion als therapeutischer Eingriff, mit besonderer Berücksichtigung der Kopfverletzungen. 48p. 8°. Berl., Gebr. Hoffmann, 1935.

JUSATZ, Helmut Hugo Joachim, 1907— *Untersuchungen über die Möglichkeit, menschliche Colibakterien von tierischen durch die Präzipitation zu unterscheiden, zugleich ein Beitrag zur Serologie des *Bacillus coli*. p.39-60. 8°. Jena, G. Fischer, 1932. Also *Zbl. Bakt.*, 1. Abt., 1932, 124:

JUSEK, Hans Georg Albert, 1908— *Die Kehlkopf-tuberkulose in ihrer Beziehung zu den Allergiestadien der Lungentuberkulose [Breslau] 20p. 8°. Ochsenfurt a. M., Fritz & Rappert, 1938.

JUS primae noctis.

See also Marriage; Virginity.

Buschan. Die Prostitution in der Völkerkunde; Jus primae noctis. In *Handb. Sexwiss.* (Moll, A.) 3. Aufl., Lpz., 1926, 1: 351.—**Jus primae noctis on Malabar Coast.** In *Untrodd. Fields Anthropol.*, 1898, 2: 134.—**Metzger-Hoesch, O.** Jus primae noctis. *Arch. Frauenk.*, 1914, 1: 432-4.

JUSSEAUME, Gérard Edmond Jacques, 1907—
*De l'emploi du bactériophage de d'Herelle
comme traitement des otites moyennes suppurées.
56p. 8° Par., Impr. Vieillemand, 1931.

JUSSIEU, Christophe-de, fl. 18. century.
Ferran, C. A propos de la cérémonie de la confection de la
thériaque à l'hôtel de ville de Lyon sous Louis XIV. Bull.
Soc. fr. hist. méd., 1934, 28: 166-73.

JUSSIEUA.

BANDONI, A. J. Jussieua bonariensis. 71p.
26cm. B. Air., 1940.

JUST, Ernest Everett, 1883-1941. Basic
methods for experiments on eggs of marine
animals. x, 89p. 23½cm. Phila., P. Blakiston's
son & co. [1939]

— The biology of the cell surface. xi, 392p.
illust. 23½cm. Phila., P. Blakiston's son & co. [1939]

See also **Lillie, F. R.** [Obituary] Anat. Rec., 1942, 82:
suppl., 17. Also Science, 1942, 95: 10.—[Obituary] J. Wash-
ington Acad. Sc., 1942, 32: 124.

JUST, Günther, 1892— Erbpsychologie
der Schulbegabung. p.538-91. 25cm. Berl.,
J. Springer, 1939.

In Handb. Erbbiol. Mensch. (G. Just) Bd 5, T. 1.
Also editor of Zeitschrift für menschliche Vererbungs- und
Konstitutionslehre. Berl., 19: 1935—

Also editor of Handbuch der Erbbiologie des Menschen.
Berl., v.1, 1939—

JUST, Kurt, 1905— *Fisteln dentalen
Ursprungs [Heidelberg] 23p. 8°. Mannheim,
A. Hinze & Söhne, 1928.

JUST, Otto, 1897— *Der klimatische
Bubo in der Reichsmarine auf Grund der von
1924-32 beobachteten Fälle (eine zusammen-
fassende Uebersicht über den augenblicklichen
Stand) 36p. 8° Kiel, E. Mittler & Sohn, 1933.

JUST, Rudolf. Fasten und Fastenkuren;
Beobachtungen und Erfahrungen aus langjähriger
praktischer Arbeit. 2. Aufl. 113p. 8°. Bad
Harzburg, Author, 1929.

JUST, Theodore Hartmann, 1886-1937.

Obituary. S. Barth. Hosp. Rep., Lond., 1937, 70: 9-14,
portr.—Scott, S. R. Obituary. S. Barth. Hosp. J., Lond.,
1936-37, 44: 99, portr.

JUST, Walter, 1904— *Ueber Pneumo-
kokkenmeningitis (in den Jahren 1923 bis
August 1928, an der Kieler Medizinischen Klinik
beobachteten Fälle) 22p. 8°. Kiel, Kieler Ztg,
1929.

JUST, Werner, 1910— *Tierexperimen-
telle Untersuchungen über die Wirkung neuer
Insuline. 28p. 21½cm. Würzb., R. Mayr, 1938.

JUSTEN, Ralph Theodore, 1913— *Pseu-
do-hemophilia; a review of the literature [Col-
umbia Hosp.] 11 l. 28cm. Milwaukee, 1941.
Typewritten.

JUSTER, Emile. Traitement des affections
neuro-cutanées (prurits, dermites provoquées ou
simulées, dermatoses neuro-humoro-circulatoires,
infections neuro-cutanées) préface de M. A.
Louste. viii, 126p. 8° Par., Masson et cie, 1929.

JUSTER, Jacqueline, 1912— *Contribu-
tion à l'étude des érythroblastoses de l'adulte.
91p. 8° Par., Le François, 1937.

JUSTI, Eduard Wilhelm Leonhard, 1904—
Spezifische Wärme, Enthalpie, Entropie und
Dissoziation technischer Gase. vi, 157p. illust.
8° Berl., J. Springer, 1938.

JUSTICE.

See also Judgment; Jurisprudence; Law;
Reward; Punishment.

Berglin, C. G. [The public sense of justice fantasy] Sven.
läk. tidn., 1938, 35: 1672-6.—**Ioteyko, I.** Rapport sur le
sentiment de la justice; enquête faite dans deux écoles normales.
Rev. psychol., Brux., 1911, 4: 55-69.—Justice in a war-time

Army. Mil. Rev., Fort Leavenw., 1942, 22: No. 86, 31-6.—
Kelsen, H. Conditions of international justice. In Science &
Man (Anshen, R. N.) N. Y., 1942, 375-97.—**Pekelis, A. H.**
Administrative discretion and the rule of law. Social. Res.,
1943, 10: 22-37.—**Schmeing, K.** Justiz und Evidenz. Mschr.
Krim. Psychol., 1937, 28: 113-28.—**Sunner, F. C., & Campbell,
A. S.** Attitudes toward the administration of justice. J.
Psychol., Provincet., 1939, 8: 23-52.—**Ueda, T.** The psychol-
ogy of justice. Pedagog. Semin., Worcester, 1912, 19: 297-349.—
Williams, F. E. Group sentiment and primitive justice. Am.
Anthrop., 1941, 43: 523-39.—**Zilboorg, G.** Some primitive
trends in civilized justice. J. Crim. Psychopath., 1942-43,
4: 599-604.

JUSTIN, Florence, 1895—, & **SNYDER,
Mary Eunice**. Directed observation in child
development. x, 165p. diagr. 28cm.
Bost., Houghton, Mifflin co. [1938]

JUSTIN-BESANÇON, Louis Eugene, 1901—
See **Lemierre, A., & Justin-Besançon, L.** Thérapeutiques
hydro-climatologiques des maladies du rein et des voies urinaires.
137p. 8° Par., 1934. Also **Villaret, Maurice, & Justin-
Besançon, L.** Clinique et thérapeutique hydro-climatiques.
254p. 8° Par., 1932. — Contribution à l'étude des
spasmes vasculaires. 268p. 21½cm. Par. [1937]? Also
Villaret, M., Justin-Besançon, L., & Cachera, R. Recherches
expérimentales sur quelques esters de la choline. 254p. 8°
Par., 1934.

See also in 4. ser. **Besançon, Justin Louis Eugene**.

JUSTITZ, Heinz, 1909— *Melanotische
Präcancerose. 30p. 8° Zür., 1935.

JUSTO, Juan B., 1865-1928.

Gutiérrez, A. [Neerologio] Rev. cir., B. Air., 1928, 7:
1-11, portr.

JUSTO, Sara, —1941.

Neerologia. Prensa méd. argent., 1941, 28: pt 2, 2030.

JUSTO del Carril, Mario. La difteria en la
infancia; estudio clínico y terapéutico. 177p.
illust. diagr. 23½cm. B. Air., A. G. Buffarini,
1931.

JUSTUS, frater, fl. 6. cent.

Durodié. A propos du moine Justus et de l'institution du
Trentain. Bull. Soc. méd. chir. Bordeaux, 1917, 68-72.

JUTE.

See also Textile.

Andrade, A. C. de. Podridão das raízes, Roscellinia, em
juta indiana. Biológico, S. Paulo, 1942, 8: 217.—**Imshenetsky,
A. A., & Kokurina, N. A.** [Destruction of jute coverings on
ships by microorganisms] Microbiology, Moskva, 1941, 10:
739-51.—Jute cultivation in Russia. Current Sc., Bangalore,
1941, 10: 158.—**Stevens, F. A., & Jordani, L.** Sensitization to
jute. J. Allergy, 1937-38, 9: 610-2.

JUTTE, Max Ernest, 1875— You must
eat meat; fancies, foibles and facts about meat.
xi, 164p. illust. diagr. 8° N. Y., G. P. Putnam's
sons, 1936.

JUUL, Jens, 1896-1938. Experimental studies
on Roentgen treatment of malignant tumors.
104p. 2 pl. 8° Kbh., Levin & Munksgaard, 1929.
Forms Suppl. 9. Acta radiol.

Krebs, C. Nekrolog. Acta radiol., Stockh., 1938, 19: 1-3.
Also Hospitalstidende, 1938, 81: 173-5, portr.

JUUL, Kai Aksel, 1904— *Kaudruck und
Zerkleinerungsfähigkeit bei Kindern mit normaler
und abnormaler Occlusion. 39p. 4pl. 8° Bonn,
H. Trapp, 1932.

JUVARA, Ernest, 1870-1933.

Christidi [Obituary] Rev. st. med., Bucur., 1933, 22:
420-3.—**Cosăcescu** [Obituary] Ibid., 417-9.—**Făgărășanu, I.**
[Obituary] Spitalul, 1933, 53: 241-3.—**Necrologie**. P. verb.
Congr. Soc. internat. chir., 1936, 10. Congr., 1: 209.

JUVENALIS, Decimus Junius, ca 60— ca 140.
Cordell, E. F. The medicine and doctors of Juvenal.
Bull. Johns Hopkins Hosp., 1903, 14: 283-7.

JUVENILE court.

See Court [juvenile]

JUVENILISM.

See Dwarfism; Infantilism.

JUVIN, Max, 1908— *Recherches sur
les dérivés bismuthique et stibié du thio-pro-
panolsulfonate de sodium. 84p. 8° Lyon,
Bosc fr., 1934.

JUXTAARTICULAR nodosity.

See also **Fibrositis; Granuloma; Lipoidosis; Subcutis**; also under names of primary diseases as **Arthritis, Periarthritis; Rheumatic fever; Rheumatism; Syphilis**, etc.

Alexander, A. Zur Frage der Lipogranulomatosis subcutanea. *Klin. Wschr.*, 1929, 8: 2138.—Alieva, T. K. [Juxta-articular nodosities]. *Zbl. Hautkr.*, 1929, 29: 190 (Abstr.).—Aramaki, Y. Ein Fall von Nodositis juxta-articulares beobachtet bei einem Japaner. *Ibid.*, 829 (Abstr.).—Asencio Camacho, F. Juxta articular nodules. *Bol. As. méd. Puerto Rico*, 1936, 28: 99-102. Subcutaneous nodules of juxta-articular variety. *Ibid.*, 1937, 29: 296-300.—B., R. W. Haygarth's nodosities. *N. England J. M.*, 1941, 224: 568.—Banzi, A. Un caso di nodosità juxta-articolare. *Cult. med. mod. Pal.*, 1926, 5: 551-4.—Becker, S. W., & Obermayer, M. E. Juxta-articular nodules. *Arch. Derm. Syph., Chic.*, 1935, 31: 744.—Bernard, R. Les nodosités des saillies osseuses. *Bruxelles méd.*, 1925-26, 6: 212-5; 1926-27, 7: 1083-6. Also *Urol. Cut. Rev.*, 1927, 31: 643-7.—Breijer, H. B. G., Eisbach, E. M., & Hermans, E. H. [Exotic affections in Netherlands; juxta-articular nodules]. *Acta leiden.*, 1935-36, 10: 11: 30-43, 2 pl. Also *Ned. tschr. geneesk.*, 1936, 80: 1100-6.—Brochet, L. Nodositis juxta-articulares chez le cheval. *Zbl. Hautkr.*, 1928, 25: 429 (Abstr.).—Burlamaqui Benchimol, N. Molestia de Lutz-Jeanselme. *Rev. med. cir. Brasil*, 1939, 47: 246-9.—Castronuovo, C. Nodosità juxta-articolare. *Gior. ital. mal. esot.*, 1929, 2: 351.—Coste, F., Saeuz, A., & Costil, L. Bacilles acido-résistants dans une nodosité juxta-articulaire. *Bull. Soc. méd. hôp. Paris*, 1933, 49: 3, ser., 1369-73.—Delanoe, P. Un cas de nodosité juxta-articulaire sensible au traitement antisyphilitique. *Arch. Inst. Pasteur Algérie*, 1929, 7: 202.—Del Favero, E. Le nodosità juxta-articolare. *Zbl. Hautkr.*, 1928, 25: 429 (Abstr.).—Ebert, M. H. Juxta-articular nodules. *Arch. Derm. Syph., Chic.*, 1935, 32: 675.—Fabian, A. [Juxta-articular nodules (Jeanselme-Lutz disease)]. *Cesk. derm.*, 1936, 16: 63-7.—Fenner, F. J. The occurrence of juxta-articular nodules in Australia. *Med. J. Australia*, 1938, 2: 412-7, pl.—Fontoyont, M., Girard, G., & Woltz, H. Nouvelle conception pathogénique des nodosités juxta-articulaires des Malgaches, avec les déductions qu'elle comporte. *Bull. Soc. path. exot.*, Par., 1931, 24: 209-14.—Franchi, F. Due casi di nodosità juxta-articolare arseno-noistati in indigeni eritrei. *Gior. ital. derm. sif.*, 1937, 78: No. 1, Suppl., 18-21.—Gadrat, J., & Salvador, Nodositis juxta-articulaires et tuberculose. *Bull. Soc. fr. derm. syph.*, 1934, 41: 669-73.—Gros, H. Nodositis juxta-articulaires chez les indigènes Musulmans de l'Algérie. *Bull. méd. Algérie*, 1907, 18: 145-8.—Hanau, G. Nodosità juxta-articolare. *Gazz. osp.*, 1933, 54: 1305.—Heft, B. B. [Juxta-articular nodules]. *Vrach gaz.*, 1929, 33: 2422-4.—Higoumenakis, G. C. Contribution à l'étude des nodosités juxta-articulaires de Lutz-Jeanselme. *Ann. mal. vénér.*, 1938, 33: 649-66, 5 pl.—Hirsch [Nodositis juxta-articulaires]. *Przegl. derm.*, Warsz. 1936, 31: 97.—Hoffmann, H. Juxta-artikuläre Knoten. p.419-98. 8°. Berl., 1932. In *Handb. Haut Geschlkr.* (Jadassohn, J. et al.) Berl., 1932, Bd XII/1.—Hopkins, H. H. Subcutaneous nodules of the juxta-articular type. *Bull. Johns Hopkins Hosp.*, 1931, 49: 5-16.—Huc, G. Becs, épines, ossifications juxta-articulaires et rhumatisme. *Rev. rhumat.*, Par., 1938, 5: 272-85.—Hudson, E. H. Juxta-articular nodules in Euphrates Arabs. *Tr. R. Soc. Trop. M. Hyg.*, Lond., 1934-35, 28: 511-22, 2 pl.—Izeki, K. A study on nodosités juxta-articulaires, with special reference to their treatment with salvarsan. *Acta derm.*, Kyoto, 1933, 22: 108.—Jeanselme, E. Des nodosités juxta-articulaires observées sur les indigènes de la presqu'île indo-chinoise. *Rev. méd. hyg. trop.*, Par., 1905, 2: 11-6. Des nodosités juxta-articulaires; leur répartition géographique; leur structure; leur étiologie. *Rev. derm. argent.*, 1925-26, 11: 73-83. — & Eliashev, O. Examen histologique de 2 nodosités juxta-articulaires. *Bull. Soc. méd. hôp. Paris*, 1926, 3, ser. 150: 1404-7. Contribution à l'étude de la structure des nodosités juxta-articulaires. *Schweiz. med. Wschr.*, 1927, 57: 25-7.—Kadaner. Un cas de nodosités juxta-articulaires chez un blanc. *Ann. Soc. belge méd. trop.*, 1928, 8: 57.—Lapa, A. Contribuição para o estudo da etio-patogenia das nodosidades juxta-articulares. *Lisboa méd.*, 1930, 7: 455-81.—La Terza, C. Nodulos juxta-articulaires de Lutz e Jeanselme; un caso. *Gaz. clin.*, S. Paulo, 1930, 28: 35-8.—McCoy, G. W., & Hollmann, H. T. Juxta-articular nodules. *Am. J. Trop. Dis.*, 1915-16, 3: 458, pl.—Margeridon, P. Des nodosités juxta-articulaires, leur répartition en Afrique équatoriale. *Presse méd.*, 1926, 34: 1579.—Matras. Nodositas juxta-articularis. *Zbl. Haut Geschlkr.*, 1935-36, 52: 274.—Meer, H. H. van der [Nodositis juxta-articulaires]. *Ned. tschr. geneesk.*, 1940, 84: 2292.—Memorskij, W. Nodositas juxta-articularis ohne Syphilis. *Arch. Derm. Syph., Berl.*, 1934-35, 171: 610.—Montel, L. R. Nodositis juxta-articulaires chez les Annamites; traitement par le novarsénobenzol. *Bull. Soc. path. exot.*, Par., 1920, 13:

554-6. — Nodositis juxta-articulaires. *Ibid.*, 1933, 26: 458-61.—Montenegro, J. Nodosidades juxta-articulares de Lutz-Jeanselme. *Rev. Inst. Adolfo Lutz*, S. Paulo, 1941, 1: 447-56, incl. 2 pl.—Mutel & Corret, Tuberculosos juxta-articulaires. *Rev. méd. Nancy*, 1938, 66: 234-7.—Navarro, J. C., & Beretervide, E. Las nudosidades reumáticas. *Rev. As. méd. argent.*, 1920, 32: Sect. Soc. med., 112-25.—Nobl, G. Zur Kenntnis der juxta-artikulären Knotenbildung (Jeanselme) *Derm. Wschr.*, 1933, 97: 1008-12.—Nogue, Malade atteint de nodosités juxta-articulaires et non guéri par l'arsénobenzol. *Bull. Soc. path. exot.*, Par., 1922, 15: 488.—Novaes Rebelo, A. Nodosidades juxta-articulares de Jeanselme. *Med. contemp.*, Lisb., 1939, 57: 185-7.—Olessov, I. N. [Etiology of juxta-articular nodosities Lutz-Jeanselme]. *Russk. klin.*, 1926, 6: 220-8. Also *Ann. derm. syph.*, Par., 1927, 6, ser., 8: 22-33.—Onorato, R. Le nodosità juxta-articolare in Tripolitania. *Arch. ital. sc. med. col.*, 1924, 5: 65; 97.—Oppenheim, M., & Cohen, D. Juxta-articular nodules. *Arch. Derm. Syph., Chic.*, 1943, 47: 456.—Orlandini, P. Tre casi di nodosità juxta-articolare osservati in uno stesso villaggio sul bassopiano occidentale di Cambela in A. O. I. *Gior. ital. mal. esot.*, 1939, 12: 145-8.—Patanè, C. Seconda osservazione in Cirenaica di nodosità juxta-articolare in soggetto luetico. *Arch. ital. sc. med.*, 1927, 8: 20-5.—Perdomo Hurtado, B. Nota preliminar sobre un caso de nudosidades juxta-articulares de Lutz y Jeanselme. *Rev. med. cir.*, Caracas, 1926, 9: 75-9.—Peyrol, J., & Boissezon, P. De. Un cas de nodosités juxta-articulaires (Jeanselme) chez une femme n'ayant jamais quitté la France. *Ann. derm.*, Par., 1933, 7, ser., 4: 538-42.—Pierini, L. E., & Bosq, P. Nudosidades juxta-articulaires. *Prensa méd. argent.*, 1936, 23: 2517-23.—Piscane, C. Su di un caso di nodosità juxta-articolare di Jeanselme. *Arch. ital. derm.*, 1935, 11: 526. Contributo allo studio delle nodosità juxta-articolare. *Ibid.*, 1937, 13: 308-18.—Pittaluga, G. Nudosidades juxta-articulares en la Isla de Fernando Póo [majama ó mahama]. *Rev. clín. Madrid*, 1911, 5: 216.—Policaro, R. D. Di un caso di nodosità juxta-articolare. *Gior. ital. derm. sif.*, 1936, 77: Suppl., 45.—Prokopchuk, A. J. [On juxta-articular nodules (Jeanselme-Lutz)]. *Vener. derm.*, Moskva, 1929, 6: 5-11.—Rabello, E. Nodosidades juxta-articulares de Jeanselme. *Brasil med.*, 1916, 30: 339.—Rossow, A. W. Zur Klinik und Diagnostik der Nodositis juxta-articulaires. *Arch. Derm. Syph., Berl.*, 1929, 157: 677-84.—Rousset, J., & Gonthier, B. Nodositis juxta-articulaires. *Bull. Soc. fr. derm. syph.*, 1931, 38: 1036-9.—Rummo, R. Le nodosità juxta-articolare de Jeanselme. *Riforma med.*, 1928, 44: 320.—Sannicandro, G. Le nodosità juxta-articolare di Jeanselme: eziologia, clinica, anatomia patologica. *Gior. ital. derm. sif.*, 1927, 68: 1418-32, 2 pl.—Silva, F. Contributo to the study of juxta-articular nodosities of Lutz-Jeanselme. *Urol. Cut. Rev.*, 1937, 41: 443-6.—Sobel, N. A case for diagnosis (syphilitic juxta-articular nodules)? *Arch. Derm. Syph., Chic.*, 1943, 47: 876.—Steiner, L. Quelques mots à propos de l'article de M.M. E. Jeanselme et O. Eliascheff: Contribution à l'étude de la structure des nodosités juxta-articulaires. *Schweiz. med. Wschr.*, 1927, 57: 395.—Strong, R. P., & Shattuck, G. C. Juxta-articular nodules. In *Afr. Rep. Liberia* (Strong, R. P.) Camb., 1930, 1: 258-71.—Takasaki, S. Ueber sogenannte nodosités juxta-articulaires; weitere Mitteilung über die Histologie des Leidens. *Acta derm.*, Kyoto, 1927, 10: 585. — & Ikegami, Y. Contribution to the etiology of nodosités juxta-articulaires. *Jeanselme. Ibid.*, 483.—Tomikawa, R. Nodositis juxta-articulaires. *Hukuoka acta med.*, 1933, 26: 81-4.—Ultmo, A. Un cas de nodosités juxta-articulaires. *Bull. Soc. fr. derm. syph.*, 1934, 41: 193-5.—Van Hoof, L. A propos des nodosités juxta-articulaires. *Ann. Soc. belge méd. trop.*, 1926, 6: 53-6, 4 pl.—Veneroni, C. Contributo allo studio delle nodosità juxta-articolare. *Arch. ital. sc. med. col.*, 1928, 9: 481-3.—Vielle, P. L. Micor-traumatismes et topi juxta-articulaires. *Rev. rhumat.*, Par., 1936, 3: 801.—Welfi, M. H. Ueber Nodositas juxta-articularis (nodosités juxta-articulaires Lutz-Jeanselme) *Arch. Derm. Syph., Berl.*, 1929-30, 159: 541-50.—Wilkins, J. T. [Case of juxta-articular nodosities]. *Ned. tschr. geneesk.*, 1927, 71, pt 2, 1079-81.—Wolf, M. Zur Kenntnis der juxta-artikulären Knoten. *Wien. klin. Wschr.*, 1934, 47: 1420-2.—Zakon, S. J., & Allen, H. S. Palmar juxta-articular nodules; a brief review of the literature and a report of a case. *Q. Bull. Northwest Univ. M. School*, 1940, 14: 270-3.

JUXTARESTIFORM body.

See under **Cerebellum**.

JWASCHKIEWITSCH - KLEWTSCHINSKY, Marie.

See Ivashkievich-Klevchinsky, Marie.

JZIKOWITZ, Moïse, 1907— *Les tumeurs malignes de la rétine. 72p. 24cm. Par., L. Rodstein, 1937.

